577.0 ± 17.0 ** # 1404
KA/biot/granite Burro Creek granite Shafiqullah and others, 1980
Burro Creek area — Near rest area on Hwy. 93, 8 km northwest of Bagdad road intersection. Date is reduced on this Precambrian pluton. Arrastra Mtn. NE quad., YA county (34° 28.55', 113° 19.37'). L-1, K%= 7.5, *Ar=93, #UAKA-64-19.

612.0 ± 6.0 ** # 1405
KA/musc/granite Solitude Granite Creasey, 1980
Pinal Mtns. — Northern end, south of Miami. Date is reduced age on Precambrian muscovite granite. Pinal Peak quad., GI county (33° 21.32', 110° 52.40'). L-3, K%= 8.6, *Ar=99, #C80:59.

639.0 ± 70.0 ** # 1406
FT/sphe/granite xenolith Garnet Ridge diatreme Naeser, 1971
Chinle Valley -- Xenolith from pipe 2 of the Garnet Ridge kimberlite diatreme complex. Sphene age suggests partial annealing. Dennehotso quad., AP county (36° 55.60', 109° 46.90'). L-2, #GR3.

649.0 ± 60.0 ** # 1407
KA/chlo/granite Enterprise granite Shafiqullah and others, 1980
Hualapai Mtns. -- Date is reduced age on this Precambrian porphyritic granite. Hualapai NE quad., MO county (35° 8.78', 113° 49.24'). L-1, K%= 1.2, *Ar=100, #UAKA-57-22.

683.0 ± 7.0 ** # 1408
KA/biot/granodiorite Willow Spring Granodiorite Creasey, 1980
Globe-Miami area -- Northwest of Inspiration Mine. Date is reduced age. Inspiration quad., GI county (33° 24.88', 110° 54.75'). L-3, K%= 6.0, *Ar=85, #C80:49.

711.0 ± 80.0 ** # 1409
FT/zirc/quartz monzonite xenolith Garnet Ridge diatreme Naeser, 1971
Chinle Valley -- Xenolith from pipe 2 of the Garnet Ridge kimberlite diatreme complex. Zircon age suggests partial annealing. Dennehotso quad., AP county (36° 55.60', 109° 46.90'). L-2, #GR4.

712.0 ± 5.0 ** # 1410
KA/musc/vein White Hills vein Theodore and others, 1982
Lake Mead area -- Secondary mica in quartz vein, 3 km southwest of Salt Spring Bay on Lake Mead. Probably hybrid reset age from 1660 m.y. mineralizing event. Senator Mtn. quad., MO county (35° 58.75', 114° 15.70'). L-3, K%= 8.8, *Ar=98, #735.

755.0 ± 23.0 ** # 1411
KA/plag/pegmatite White Picacho pegmatite Laughlin, 1969
Hieroglyphic Mtns. -- White Picacho district. Precise location not reported. Generalized latlon. Red Picacho quad., MA county (33° 55.00', 112° 35.00'). L-1, K%= 0.4, *Ar=97, #AWL-19-66F.

760.0 ± 8.0 ** # 1412
KA/biot/granodiorite Willow Spring Granodiorite Creasey, 1980
Globe-Miami area -- Southwest of Copper Cities Mine. Date is reduced age. Inspiration quad., GI county (33° 25.57', 110° 53.72'). L-3, K%= 6.3, *Ar=95, #C80:47.

766.0 ± 25.0 ** # 1413
KA/biot/schist Yavapai Supergroup Shafiqullah and others, 1980
Prescott area -- About 8 km east on Hwy. 69 from junction of Hwys. 89 and 69. Reduced age. Prescott quad., YA county (34° 33.08', 112° 22.58'). L-1, K%= 5.5, *Ar=80, #UAKA-57-04.

790.0 ± 20.0 ** # 1414
KA/w.r./basalt Cardenas Lavas McKee and Noble, 1974
Grand Canyon -- Eastern part. Basalt from the lower part of the Cardenas lavas. Date is too young. Vishnu Temple quad., CN county (36° 6.12', 111° 49.75'). L-3, K%= 3.5, *Ar=99, #B-4.

799.0 ± 8.0 ** # 1415
KA/biot/granodiorite Willow Spring Granodiorite Creasey, 1980
Globe-Miami area -- North of Inspiration Mine. Date is reduced age on pluton that probably correlates with Madera Diorite. Inspiration quad., GI county (33° 24.95', 110° 52.73'). L-3, K%= 7.7, *Ar=92, #C80:55.

800.0 ± 0.0 ** # 1416
FT/zirc/granodiorite Continental Granodiorite Marvin and Cole, 1978
Rincon Mtns. -- Tanque Verde area. Coarse porphyritic 1400 m.y. rock. Partially reset age due to thermal annealing related to early or midddle Tertiary events. Tanque Verde Peak quad., PM county (32° 12.00', 110° 44.00'). L-2, #74D57.

801.0 ± 20.0 ** # 1417
KA/w.r./basalt Cardenas Lavas McKee and Noble, 1974
Grand Canyon -- Eastern part. Upper part of Cardenas Lavas. Date is too young. Vishnu Temple quad., CN county (36° 7.00', 111° 51.25'). L-3, K%= 2.8, *Ar=95, #TB-6.

820.0 ± 20.0 ** # 1418
KA/w.r./basalt Cardenas Lavas McKee and Noble, 1974
Grand Canyon — Eastern part. Upper part of Cardenas Lavas. Date is too young. Vishnu Temple quad., CN county (36° 7.00', 111° 51.25'). L-3, K%= 2.6, *Ar=98, #B-8.

821.0 ± 8.0 ** # 1419
KA/biot/diorite Madera Diorite Creasey, 1980
Globe-Miami area — North of Inspiration Mine. Date is reduced age. Inspiration quad., GI county (33° 25.87', 110° 53.73'). L-3, K%= 7.6, *Ar=97, #C80:58.

822.0 ± 50.0 ** # 1420
KA/horn/diabase Diabase Creasey, 1980
Globe-Miami area — North of Inspiration Mine. Date is reduced age. Inspiration quad., GI county (33° 26.00', 110° 54.30'). L-3, K%= 0.4, *Ar=33, #C80:34.

822.0 ± 6.0 ** # 1421
KA/musc/vein White Hills vein Theodore and others, 1982
Lake Mead area — About 3 km southwest of Salt Spring Bay. Secondary mica in quartz vein. Senator Mtn. quad., MO county (35° 58.75', 114° 15.70'). L-3, K%= 8.9, *Ar=95, #735-1.

825.0 ± 24.0 ** # 1422
KA/plag/pegmatite White Picacho pegmatite Laughlin, 1969
Hieroglyphic Mtns. — White Picacho district. Precise location not reported. Red Picacho quad., MA county (33° 55.00', 112° 35.00'). L-1, K%= 0.5, *Ar=99, #AWL-19-66C.

843.0 ± 34.0 ** # 1423
KA/w.r./basalt Cardenas Lavas Elston and McKee, 1982
Grand Canyon — Eastern part, Palisades Creek. Age is younger than Rb-Sr ages. Vishnu Temple quad., CN county (36° 7.80', 111° 48.00'). L-3, K%= 1.7, *Ar=98, #EM:1.

853.0 ± 15.0 ** # 1424
KA/w.r./basalt Cardenas Lavas Ford and others, 1972
Grand Canyon — Eastern part. Generalized lat-lon based on likely collection area. Precise location not reported. Date is probably too young. Vishnu Temple quad., CN county (36° 10.00', 111° 50.00'). C-?, K%= 2.0, *Ar=97.

854.0 ± 18.4 ** # 1425
KA/w.r./diabase Diabase Balla, 1972
Sacaton Mtns. — Northwest part. Date is probably too young on this N50W-trending dike. Average of two dates on the same sample. Gila Butte SE quad., PN county (33° 2.50', 111° 51.17'). L-6, K%= 0.7, *Ar=88, #KA-71-71.

870.0 ± 18.4 ** # 1426
KA/musc/granite Sacaton granite Balla, 1972
Sacaton Mtns. -- Western end. Significance of date on this muscovite granite is uncertain. Average of two dates on the same sample. Casa Grande West quad., PN county (32° 59.58', 111° 50.57'). L-6, K%= 8.0, *Ar=100, #KA-71-70.

875.0 ± 30.0 ** # 1427
KA/biot/granite Ladybug Saddle granite Shafiqullah and others, 1980
Pinaleno Mtns. -- Sphene-bearing, porphyritic granite at Lady Bug Saddle. Date is reduced age. Mt. Graham quad., GM county (32° 37.40', 109° 49.80'). L-1, K%= 7.2, *Ar=100, #PN-1.

895.0 ± 20.0 ** # 1428
KA/musc/quartz monzonite Twin Peaks quartz monzonite Shafiqullah and others, 1980
Tucson Mtns. — Twin Peaks. Rock in fault contact with Paleozoic strata south of Arizona Portland Cement Quarry, Busterville. Date is reduced age. Avra quad., PM county (32° 21.00', 111° 11.75'). L-1, K%= 8.7, *Ar=99, #UAKA-74-20.

904.0 ± 100.0 # 1429
AR/w.r./diabase Diabase Elston and McKee, 1982
Grand Canyon -- Central part, Tapeats Creek. Age is 40Ar/39Ar isochron from seven-step incremental heating of a holocrystalline sample of diabase sill. Powell Plateau quad., CN county (36° 22.80', 112° 28.80'). L-3, *Ar=96, #EM:AR1.

907.0 ± 35.0 # 1430
AR/pyro/diabase Diabase Elston and McKee, 1982
Grand Canyon — Central part, Tapeats Creek. Age is 40Ar/39Ar total fusion age from diabase sill. Powell Plateau quad., CN county (36° 22.80', 112° 28.80'). L-3, *Ar=52, #EM:AR2.

913.0 ± 40.0 # 1431
KA/pyro/diabase Diabase Elston and McKee, 1982
Grand Canyon — Eastern part, Hance Rapids. Diabase sill. Date is younger than Rb-Sr dates, but similar to Ar-Ar dates. Vishnu Temple quad., CN county (36° 3.00', 111° 55.80'). L-3, K%= 0.3, *Ar=64, #EM:2.

915.0 ± 9.0 ** # 1432
KA/biot/quartz monzonite Lost Gulch Quartz Monzonite Creasey, 1980
Globe-Miami area — Near Pinto Valley Mine. Date is reduced age on pluton that is probably correlative with Ruin Granite. Inspiration quad., GI county (33° 25.17', 110° 57.60'). L-3, K%= 7.2, *Ar=96, #C80:41.

920.0 ± 0.0 ** # 1433
SR/micr/granite Weaver Mtns. granite Wasserburg and Lanphere, 1965
Weaver Mtns. -- Roadcut near Yarnell on U.S. Hwy. 89. Age is too young. A Sr86/Sr87 age of 831 m.y. is reported for biotite from the same sample, and is interpreted as a minimum age. Sri=0.7110+/-0.0000, 2 pts. Congress quad., YA county (34° 10.00', 112° 45.00'). L-8, #A-46.

920.0 ± 0.0 ** # 1434
SR/w.r./granite Montezuma granite Pushkar and Damon, 1974
Sierra Estrella — South end of range. Age is too young. Rock yields 1350 m.y. age if assumed Sri=0.705. K-Ar ages from biotite cluster around 300 m.y. age and reflect Tertiary partial resetting. Sri=0.7330+/-0.0000, 5 pts. Montezuma Peak quad., PN county (33° 7.95', 112° 8.78'). L-1, #PED-14-65.

921.0 ± 9.0 ** # 1435
KA/biot/quartz monzonite Lost Gulch Quartz Monzonite Creasey, 1980
Globe-Miami area — Near Copper Cities Mine. Date is reduced age. Globe quad., GI county (33° 27.43', 110° 52.00'). L-3, K%= 7.5, *Ar=96, #C80:40.

922.0 ± 0.0 ** # 1436
KA/orth/granite Ruin Granite Livingston and others, 1967
Salt River Canyon area — Mud Spring Wash. Porphyritic granite with poikilitic phenocrysts of microperthite, biotite and microcline. Date much younger than dates on other minerals from same sample. Location from Livingston (1969). Rockinstraw Mtn. quad., GI county (33° 35.00', 110° 50.00'). L-1, K%=10.1, *Ar=91, #DEL-03-62.

946.0 ± 0.0 ** # 1437
KA/orth/granite Oracle Granite Livingston and others, 1967
Oracle area -- Coarse-grained porphyritic granite. Date is younger than date on other minerals from same sample. Oracle quad., PN county (32° 35.00', 110° 45.00'). L-1, K%=11.8, *Ar=100, #DEL-13-62.

954.0 ± 30.0 # 1438
KA/plag/diabase Diabase Elston and McKee, 1982
Grand Canyon -- Eastern part, Tapeats Creek. Diabase sill. Date is younger than Rb-Sr ages on similar rocks, but similar to Ar-Ar dates. Powell Plateau quad., CN county (36° 22.80', 112° 28.80'). L-3, K%= 1.1, *Ar=93, #EM:3.

958.0 ± 30.0 ** # 1439
KA/biot/granite Clear Creek granite Elston and McKee, 1982
Grand Canyon -- Eastern part. Reduced age on granite-gneiss basement rocks. Bright Angel quad., CN county (36° 5.40', 112° 2.40'). L-3, K%= 7.8, *Ar=99, #EM:4.

994.0 ± 39.0 ** # 1440
KA/biot/granite Cotton Center gneissic granite Eberly and Stanley, 1978
Gila Bend Mtns. -- Eastern end, between Buckeye and Gila Bend. Cotton Center quad., MA county (33° 3.17', 112° 42.83'). L-B, K%= 7.0, *Ar=99, #ES:98.

1020 ± 30 ** # 1441
KA/w.r./quartz monzonite Polecat quartz monzonite Erickson, 1981
Dos Cabezas Mtns. -- Reduced age on large, coarse-grained, porphyritic quartz monzonite pluton that intrudes Pinal Schist, Rough Mountain gneiss, and Eaton gneissic granite in the northern Dos Cabezas Mtns. Dos Cabezas quad., CH county (32° 10.25', 109° 39.67'). L-1, K%= 5.0, *Ar=96, #RCE-802-65.

1042 ± 27 ** # 1442
SR/w.r./pegmatite Stockton Pass granite Swan, 1976
Pinaleno Mtns. — Pegmatite in Stockton Pass granite. Three-point isochron yielded an anomalously high initial ratio. This age is considered minimum. Model age is 1204+/-20 Ma assuming 0.7100 initial ratio. Sri=0.7485+/-0.0060, 3 pts. Stockton Pass quad., GM county (32° 33.76', 109° 47.60'). L-1, #73-49 to -51.

1050 ± 30 # 1443
KA/biot/diabase Diabase Banks and others, 1972
Globe-Miami area — Near Miami, in contact with Schultze Granite. Inspiration quad., GI county (33° 29.00', 110° 55.00'). L-3, #B72:23.

1050 ± 30 ** # 1444
KA/biot/pegmatite Cerbat Mtns. pegmatite Shafiqullah and others, 1980
Cerbat Mtns. -- Pegmatite in schistose metasediments. Reduced age. Kingman NW quad., MO county (35° 14.80', 114° 8.40'). L-1, K%= 6.3, *Ar=97, #UAKA-57-20.

1052 ± 10 # 1445
KA/biot/diabase Diabase Creasey, 1980
Globe-Miami area — Near Pinto Valley Mine. Inspiration quad., GI county (33° 24.70', 110° 58.60'). L-3, K%= 5.7, *Ar=47, #C80:35.

1054 ± 50 # 1446
PB/zirc/granophyre Diabase Silver, 1960
Sierra Ancha — Granitic differentiates of diabase sills intrusive into Apache Group. Considered a minimum age. Approximate lat-lon. No analytical data reported. Buzzard Roost Mesa (?) quad., GI county (34°0.00', 111°0.00'). L-8, C-2.

1056 ± 0 ** # 1447
SR/w.r./granite Exxon State 14-1 granite Eberly and Stanley, 1978
Palomas Plain — Near Hyder. Exxon State (14)-1 well. Model age. K-Ar date of 167 m.y. on same sample reported. K-Ar age is reduced. Sample is a gneissic granite recrystallized in the Mesozoic(?). Sri=0.7090+/-0.0005, 1 pt. Hyder NE quad., YU county (33° 8.00', 113° 21.00'). L-1, #UAKA-72-57.

1058 ± 0 ** # 1448
SR/w.r./gneissic quartz monzonite Hualapai Mtns. gneiss Wasserburg and Lanphere, 1965
Hualapai Mtns. -- Porphyritic granitic rock. Isochron constructed from plagioclase, microcline and whole rock. Anomolous biotite and cross-cutting pegmatite points reported. Age is too young. Sri=0.7100+/-0.000, 3 pts. Greenwood Peak quad., MO county (34° 30.00', 113° 35.00'). L-8, #A-40.

1067 ± 70 # 1449
SR/w.r./basalt Cardenas Lavas McKee and Noble, 1974
Grand Canyon -- Eastern area. Isochron constructed from samples from six different basalt flows that lie above the Dox Sandstone. Sri=0.7065+/-0.0015, 6 pts. Vishnu Temple quad., CN county (36° 7.00', 111° 51.25'). L-3, #B-3 TO B-8.

1068 ± 39 # 1450
KA/biot/diabase Diabase Creasey, 1980
Globe-Miami area -- Northwest of Copper Cities Mine. Inspiration quad., GI county (33° 28.42', 110° 54.50'). L-3, K%= 6.2, *Ar=98, #C80:37.

1070 ± 300 # 1451
SR/w.r./diabase Diabase Elston and Mckee, 1982
Grand Canyon -- Central area. Samples taken from Bass Rapids on the Colorado River near Shinumo Creek. Age of emplacement. Sri of the sill is sufficiently different from that of the Cardenas Lavas, so they are not comagmatic. Sri=0.7042 +/-0.0007, 5 pts Havasupai Point quad., CN county (36° 14.70', 112° 20.82'). L-3, #SEVERAL.

1074 ± 10 ** # 1452
KA/biot/aplite Lost Gulch (?) aplite Creasey, 1980
Globe-Miami area -- North of Inspiration Mine. Dike cuts and is probably related to Lost Gulch Quartz Monzonite, a Ruin Granite equivalent. Inspiration quad., GI county (33° 26.00', 110° 54.30'). L-3, K%= 7.9, *Ar=95, #C80:57.

1077 ± 161 ** # 1453
SR/w.r./pegmatite Hualapai Mtns. pegmatites Kessler, 1976
Hualapai Mtns. — Isochron constructed from three points. A two point isochron yields an age of 1173 m.y. The analysed samples intrude the Hualapai granodirite gneiss and are folded and foliated. Age is too young. Sri=0.7154 +/- 0.0020, 3 pts. Hualapai Peak quad., MO county (35° 4.57', 113° 52.85'). L-1, #P-1,-3,-10.

1080 ± 30 # 1454
KA/biot/diorite sill Diabase Shafiqullah and others, 1980
Mineral Mtn. area -- Reymert Mine. From 450 m-thick sill that dips 10 degrees to the southwest. Sample from drill hole no. 1, 100 m south of mining camp. Mineral Mtn. quad., PN county (33° 14.70', 111° 12.10'). L-1, K%= 6.9, *Ar=100, #UAKA-65-03.

1100 ± 15 # 1455
PB/zirc/granophyre Diabase Silver, 1978
Little Dragoon Mtns. -- Red albite pegmatite in diabase intruding the Pioneer Shale in the northern part of the range. 207Pb/206Pb age. Approximate lat-lon. No analytical data reported. Dragoon quad., CH county (32o 10.00', 110° 10.00'). L-8.

1106 ± 10 ** # 1456
KA/biot/quartz monzonite Lost Gulch Quartz Monzonite Creasey, 1980
Globe-Miami area — Near Copper Cities Mine. Date is reduced age on pluton that probably correlates with Ruin Granite. Globe quad., GI county (33° 26.17', 110° 51.87'). L-3, K%= 7.7, *Ar=97, #C80:39.

1110 ± 30 ** # 1457
KA/biot/gneiss Sommer gneiss Erickson, 1981
Dos Cabezas Mtns. -- Northwestern end of range. Reduced age on small gneissic quartz monzonite pluton that has intruded Pinal Schist and has been intruded by the Polecat quartz monzonite. Willcox quad., CH county (32° 18.47', 109° 45.00'). L-1, K%= 3.7, *Ar=85, #RCE-331-64.

1110 ± 40 ** # 1458
KA/biot/granite Dells Granite Shafiqullah and others, 1980
Prescott area -- Granite Dells, east side of Granite Creek. Reduced age. Prescott quad., YA county (34° 36.19', 112° 24.85'). L-1, K%= 6.1, *Ar=86, #UAKA-57-06.

1126 ± 0 ** # 1459
KA/mica/pegmatite White Picacho pegmatite (?) Aldrich and others, 1957
Wickenburg Mtns. (?) -- Mineral dated, precise location, and analytical data not reported. Latlon listed here is for general vicinity of White Picacho pegmatite locality. Red Picacho (?) quad., MA county (33° 55.00', 112° 35.00'). L-E, #A57:3.

1146 ± 40 # 1460
KA/biot/diabase Diabase Damon and others, 1962
Sierra Ancha -- Diabase sill in Apache Group. McFadden Peak quad., GI county (33° 52.50', 110° 58.50'). L-1, C-?, K%= 6.4, *Ar=99, #PED-31-61.

1150 ± 28 ** # 1461
KA/biot/pegmatite Oracle Granite pegmatite Shafiqullah and others, 1980
Black Mtn. -- North of Oracle Junction. Pegmatite has intruded Oracle Granite. Probably reduced age. Black Mtn. quad., PN county (32° 46.10', 110° 56.90'). L-1, K%= 6.4, *Ar=99, #UAKA-63-31.

1155 ± 40 # 1462
SR/w.r./diabase and basalt Cardenas Lavas McKee and Noble, 1974
Grand Canyon -- Eastern area. Isochron constructed using diabase sill in Unkar Group and six basalt flow points (see: Cardenas Lavas basalt date.) Diabase not geologically proven to be related to the lavas. Sri<0.7065+/-0.0015, 7 pts. Vishnu Temple quad., CN county (36° 3.42', 111° 57.13'). L-3, #TIS-1.

1170 ± 40 ** # 1463
KA/biot/schist Yavapai Supergroup Shafiqullah and others, 1980
Bagdad area -- Host rock for massive sulfide deposit at Old Dick Mine. Reduced age. Bagdad quad., YA county (34° 32.80', 113° 13.70'). L-1, K%= 7.0, *Ar=96, #UAKA-60-06.

1180 ± 30 ** # 1464
KA/biot/granite Chloride granite Shafiqullah and others, 1980
Cerbat Mtns. -- Granite intrudes the Diana granite. Sample from 1 km north of Chloride. Sample PED-18-57. Probably reduced age. Chloride quad., MO county (35° 25.51', 114° 11.80'). L-1, K%= 7.0, *Ar=99, #UAKA-57-18.

1180 ± 40 ** # 1465
KA/biot/granite Cerbat Mtns. granite Shafiqullah and others, 1980
Cerbat Mtns. -- About 2 km east of Chloride. Probably reduced age. Chloride quad., MO county (35° 24.90', 114° 9.00'). L-1, K%= 7.1, *Ar=98, #UAKA-57-19.

1184 ± 0 ** # 1466
SR/biot/granite Chloride granite Giletti and Damon, 1961
Cerbat Mtns. -- Intrudes Diana granite. Model age (?). Sample from 1 km north of Chloride. 1 pt. (?). Chloride quad., MO county (35° 25.25', 114° 11.75'). L-A, #PED-18-57.

1190 ± 35 ** # 1467
KA/horn/amphibolite Dos Cabezas amphibolite Erickson, 1981
Dos Cabezas Mtns. -- Reduced age on coarse, premetamorphic, amphibolite dike in Pinal Schist. Willcox quad., CH county (32° 19.08', 109° 45.36'). L-1, K%= 0.2, *Ar=78, #RCE-825-65.

1235 ± 60 ** # 1468
KA/biot/granodiorite Brady Butte Granodiorite Marvin and Cole, 1978
Bradshaw Mtns. -- Date is reduced age on older pluton. Mt. Union quad., YA county (34° 21.50', 112° 19.00'). L-2, K%= 6.6, *Ar=97, #123.

1240 ± 60 ** # 1469
SR/biot/granodiorite Brady Butte Granodiorite Marvin and Cole, 1978
Bradshaw Mtns. -- Model age (?) is too young. Anderson and others (1971) determined an age of 1750 m.y. for initial crystallization. Sri=0.7040 (assumed), 1 pt. Battle Flat quad., YA county (34° 21.50', 112° 19.00'). L-2, #W-123.

1248 ± 0 ** # 1470
SR/w.r./granite **Oracle Granite** Eberly and Stanley, 1978
Picacho Basin — Model age from 3101-3102 m at Exxon State 74-1 well. A reduced K-Ar age of 26 Ma was obtained from same sample. Originally reported as gneiss. An age of 1507 Ma was determined using an initial ratio of 0.7060. Sri=0.7100 (assumed), 1 pt Eloy North quad., PN county (32° 45.00', 111° 30.00'). L-I, #ES:5.

1250 ± 28 ** # 1471
KA/biot/granite **Kirkland granite** Shafiqullah and others, 1980
Weaver Mtns. — Near Kirkland. Date is probably too young. Kirkland quad., YA county (34° 25.00', 112° 42.00'). L-1, K%= 7.9, *Ar=99, #UAKA-60-07.

1253 ± 26 ** # 1472
KA/biot/granite **Oracle Granite** Balla, 1972
Sacaton Mtns. — Northwestern part. Date is too young on this coarse-grained granite. Average of two dates on the same sample. Gila Butte SE quad., PN county (33° 1.35', 111° 51.25'). L-6, K%= 7.3, *Ar=100, #KA-71-68.

1255 ± 0 ** # 1473
KA/biot/schist **Vishnu Schist** Damon and others, 1962
Grand Canyon -- Eastern part. Along Bright Angel Trail. Date is reduced age on older schist. Bright Angel quad., CN county (36° 5.50', 112° 6.50'). L-1, C-?, K%= 7.4, *Ar=93, #PED-11-57.

1270 ± 60 ** # 1474
KA/biot/granodiorite **Brady Butte Granodiorite** Marvin and Cole, 1978
Bradshaw Mtns. — Date is reduced age on older pluton. Mt. Union quad., YA county (34° 18.00', 112° 20.00'). L-2, K%= 7.0, *Ar=100, #550.

1272 ± 0 ** # 1475
SR/biot/granite **Valentine granite** Giletti and Damon, 1961
Cottonwood Cliffs area (?) -- Model age. Granite along U.S. Highway 66, near Valentine, AZ. Age is considered questionable by the authors because of low Rb/Sr ratio. Sri=0.7060 (assumed), 1 pt. Hackberry quad., MO county (35° 22.00', 113° 40.50'). L-A, #GD61:3.

1272 ± 0 ** # 1476
SR/ /pegmatite **White Picacho pegmatite (?)** Aldrich and others, 1957
Hieroglyphic Mtns. — Minerals dated, precise location and analytical data not reported. Model age. Lat-lon listed here is for the general vicinity of White Picacho pegmatite locality. Red Picacho (?) quad., MA county (33° 55.00', 112° 35.00'). L-E, #A57:3.

1272 ± 12 ** # 1477
KA/musc/aplite **Lost Gulch (?) aplite** Creasey, 1980
Globe-Miami area — South of Copper Cities Mine. Dike cuts Pinal Schist and is probably related to Lost Gulch Quartz Monzonite, a Ruin Granite equivalent. Globe quad., GI county (33° 26.20', 110° 51.97'). L-3, K%= 8.5, *Ar=98, #C80:56.

1282 ± 0 ** # 1478
SR/w.r./volcanics **Yavapai Supergroup** Lanphere, 1968
Black Hills -- Referred to as Iron King volcanics, of Yavapai Supergroup. Age is too young. Isochron constructed from samples 7Ar26b, 7Ar25, and BM-327, all collected at the same locality. Sri=0.7145+/-0.0025, 3 pts. Mayer quad., YA county (34° 26.00', 112° 14.10'). L-4, #L68:E.

1282 ± 0 ** # 1479
SR/w.r./schist **Sierra Estrella schist** Pushkar and Damon, 1974
Sierra Estrella — Isochron constructed using the points of the 1380 m.y. isochron and this sample, a quartz-feldspar-biotite schist that occurs on the flanks of the granite. Sri=0.7080, 7 pts. Montezuma Peak quad., PN county (33° 9.00', 112° 9.00'). L-1, #PDP-1-67.

1284 ± 23 ** # 1480
SR/w.r./granite **Rattlesnake Hill granite** Kessler, 1976
Hualapai Mtns. — Medium-grained equigranular rock with a pervasive NE-striking foliation. Lat-lon is for sample RHD-9. Sri=0.7370 +/- 0.0045, 3 pts. Rattlesnake Hill quad., MO county (35° 11.10', 113° 55.80'). L-1, #RHD-8,-9,-10.

1284 ± 40 ** # 1481
KA/musc/pegmatite **White Picacho pegmatite** Laughlin, 1969
Hieroglyphic Mtns. -- White Picacho district. Precise location not reported. Generalized lat-lon. Red Picacho quad., MA county (33° 55.00', 112° 35.00'). L-1, K%= 8.3, *Ar=98, #AWL-16-66.

1297 ± 0 ** # 1482
SR/musc/pegmatite **Kingman pegmatite** Wasserburg and Lanphere, 1965
Kingman area — Model age. Sample from Kingman Feldspar Mine. Microcline-quartz pegmatite. Same locality also yields Rb-Sr dates of 1317 m.y. (biotite), 4785 m.y. (plagioclase), and 1483 m.y. and 1514 m.y. (microcline). Sri=0.7060 (assumed), 1 pt. Stockton Hill quad., MO county (35° 16.08', 114° 3.60'). L-8, #A-23.

1309 ± 38 ** # 1483
SR/w.r./granite Hualapai Mtns. med.-gr granite Kessler, 1976
Hualapai Mtns. -- Medium-grained equigranular rock, incipiently to moderately foliated locally. Six samples were analysed, but only three were used to construct the isochron. Probably too young. Lat-lon is for sample MG-12. Sri=0.7138 +/- 0.0011, 3 pts Hualapai Peak quad., MO county (35° 3.92', 113° 52.60'). L-1, #MG-6,-8,-12.

1310 ± 50 ** # 1484
SR/w.r./granite Dells Granite Marvin and Cole, 1978
Prescott area -- Sample collected near intersection of U.S. Highways 89 and 89A. Model age. Considered to be a minimum age of the intrusion. Zircons from this rock have yielded a 1400 m.y. age. Prescott quad., YA county (34° 36.88', 112° 24.67'). L-2, #CAA-8.

1320 ± 40 ** # 1485
KA/biot/granite Rattlesnake Hill granite Shafiqullah and others, 1980
Hualapai Mtns. -- Northern end. Sample PED-21-57. This sample was reported as Gatz Ranch granite by the authors. Rattlesnake Hill quad., MO county (35° 10.42', 113° 53.20'). L-1, K%= 7.5, *Ar=100, #UAKA-21-57.

1320 ± 40 ** # 1486
KA/musc/granite Oracle Granite (?) Marvin and Dobson, 1979
Tortilla Mtns. -- Age probably slightly reduced. Putnam Wash quad., PN county (32° 45.50', 110° 52.00'). L-2, K%= 8.7, *Ar=99, #W-38.

1322 ± 0 ** # 1487
SR/biot/granite Diana granite Giletti and Damon, 1961
Cerbat Mtns. -- Near Cloride. Model age. Intruded by Chloride granite. Chloride quad., MO county (35° 24.75', 114° 12.25'). L-A, #PED 17-57.

1331 ± 0 ** # 1488
SR/biot/gneiss Cerbat Mtns. gneiss Wasserburg and Lanphere, 1965
Cerbat Mtns. -- Augen gneiss. Model age. Age interpreted as a minimum age. Approximate lat-lon. Sri=0.7060 (assumed), 1 pt. Elements Canyon quad., MO county (35° 27.50', 114° 3.00'). L-8, #A-10.

1333 ± 14 # 1489
SR/w.r./gneissic granite Stockton Pass granite Swan, 1976
Pinaleno Mtns. -- White gneissic granite, north of Stockton pass. 4 pts. Stockton Pass quad., GM county (32° 35.20', 109° 45.36'). L-1, #JD-2 TO 7.

1335 ± 23 # 1490
SR/w.r./granite Holy Moses granite Kessler, 1976
Hualapai Mtns. -- Coarse-grained rock with incipient to wel-developed foliation near its contacts. Holy Moses granite is chemically similiar to the Hualapai granite. Lon-lat is for sample HMD-8. Sri=0.7094 +/- 0.0004, 6 pts. Kingman SE quad., MO county (35° 7.20', 114° 5.10'). L-1, #SEVERAL.

1340 ± 50 ** # 1491
KA/biot/granite Chino Creek granite Shafiqullah and others, 1980
Juniper Mtns. -- Approximately 10 km south of Seligman. Also listed by Damon and others (1962). Turkey Canyon quad., YA county (35° 15.00', 112° 54.00'). L-1, K%= 7.0, *Ar=98, #UAKA-59-25.

1340 ± 60 ** # 1492
KA/biot/granodiorite Rincon Valley Granodiorite Marvin and Cole, 1978
Rincon Mtns. -- In foothills, north of Tanque Verde Ridge. Granite has been dated as 1410 by Rb-Sr whole-rock methods. Rincon Valley quad., PM county (32° 12.50', 110° 42.50'). L-2, K%= 5.5, *Ar=99, #74D62.

1340 ± 30 ** # 1493
KA/musc/pegmatite Cement Canyon pegmatite Drewes, 1985
Dos Cabezas Mtns. -- Cement Canyon. Pegmatite cutting granodiorite in Cement Canyon. Age probably reduced. No analytical data reported. Dos Cabezas quad., CH county (32° 14.85', 109° 34.10'). L-2, #DH85:1.

1341 ± 0 ** # 1494
SR/mica/gneiss Zoroaster gneiss Aldrich and others, 1957
Grand Canyon -- Eastern area. Model age. Zoroaster Creek. Date is reduced age for older gneiss. Bright Angel quad., CN county (36° 5.17', 112° 3.75'). L-E, #A57:1.

1341 ± 28 ** # 1495
KA/biot/granite Maricopa granite Balla, 1972
Table Top Mtns. -- Granite, originally referred to as Table Top quartz monzonite by Balla, is correlative with the Oracle Granite and composes most of the Maricopa Mtns. Age slightly reduced. Average of two dates on the same sample. Antelope Peak quad., PN county (32° 53.47', 112° 8.97'). L-6, K%= 7.0, *Ar=100, #KA-71-75.

1349 ± 0 ** # 1496
KA/mica/gneiss Zoroaster gneiss Aldrich and others, 1957
Grand Canyon — Eastern part. Zoroaster Creek. Date is reduced age on older gneiss. Bright Angel quad., CN county (36° 5.17', 112° 3.75'). L-E, #A57:1.

1351 ± 0 # 1497
SR/w.r./granite Montezuma granite Pushkar and Damon, 1974
Sierra Estrella — Freshly blasted granite boulders, south end of range. Isochron constructed using PDP-6-67a, b, c, and PDP-14-67a, b, c. Sri=0.7050+/-0.0000, 7 pts. Montezuma Peak quad., PN county (33° 8.00', 112° 9.00'). L-1, #SEVERAL.

1351 ± 0 ** # 1498
SR/w.r./granite Oracle Granite Keith and others, 1980
Santa Catalina-Rincon-Tortolita Mtns. — Reference isochron for Oracle Granite, Ruin Granite, and Continental Granodiorite. Includes data from Livingston (1969), Hoelle (1976), and Marvin and Cole (1978). Generalized lat-lon. Sri=0.7065+/-0.000, 12 pts Campo Bonito quad., PN county (32° 25.00', 110° 50.00'). L-1, #SEVERAL.

1352 ± 28 # 1499
SR/w.r./granite Dos Cabezas granite Erickson, 1981
Dos Cabezas Mtns. — Rapakivi quartz monzonite exposed south of the Apache Pass fault. Sri=0.7051+/-0.0024, 3 pts. Dos Cabezas quad., CH county (32° 10.00', 109° 34.00'). L-1, #RCE 829-31.

1355 ± 39 # 1500
SR/w.r./quartz monzonite Stockton Pass granite Swan, 1976
Pinaleno Mtns. -- Considered representative age of intrusives. Samples collected from 32o 37.32' to 35.53' and 109o 45.36' to 49.45'. Sri=0.7099, 10 pts. Stockton Pass quad., GM county (32° 37.00', 109° 45.00'). L-1, #SEVERAL.

1360 ± 40 ** # 1501
KA/biot/granodiorite Prescott granodiorite Marvin and Cole, 1978
Prescott area — Iron Spring Road at Forbing Park. Other plutons in area date at 1.6 to 1.7 b.y. U-Pb method. Prescott quad., YA county (34° 34.08', 112° 29.42'). L-2, K%= 7.1, *Ar=99, #CAA-6.

1361 ± 0 ** # 1502
SR/biot/schist Vishnu Schist Giletti and Damon, 1961
Grand Canyon -- Eastern area. Model age. Schist in Vishnu series, Bright Angel Trail. Migmatite zone. Bright Angel quad., CN county (36° 5.50', 112° 6.50'). L-A, #PED-11-57.

1361 ± 0 ** # 1503
SR/musc/granite Lawler Peak Granite Aldrich and others, 1957
Bagdad area — Model age. A U-Pb zircon age of 1411 m.y. has been determined for this unit. Bagdad quad., YA county (34° 36.67', 113° 11.50'). L-E, #A57:2A.

1361 ± 41 # 1504
KA/biot/granite San Tan granite Balla, 1972
San Tan Mtns. — Granite is correlative with the Oracle Granite and Table Top quartz monzonite. Average of two dates on same sample. Sacaton NE quad., PN county (33° 9.38', 111° 35.75'). L-6, K%= 7.5, *Ar=99, #KA-71-63.

1366 ± 45 # 1505
SR/w.r./granite Superstition granite Stuckless and Naeser, 1972
Superstition Mtns. -- Porphyrytic granite to quartz monzonite. Ruin Granite correlative. A sphene fission-track age of 1433 m.y. was determined for sample AP202. Isochron consists of whole rock, plagioclase and biotite. Sri=0.7047+/-0.0017, 4 pts. Pinyon Mtn. quad., MA county (33° 32.50', 111° 14.58'). L-2, #AP202-8145.

1367 ± 69 # 1506
SR/w.r./granite Hualapai Mtns. granite Kessler, 1976
Hualapai Mtns. -- Coarse-grained porphyritic granite with moderately foliated contacts. Equivalent to Schrader's "red granite." Lat-lon is for sample HPD-8. Sri=0.7032 +/- 0.0002, 6 pts. Hualapai Peak quad., MO county (35° 5.92', 113° 53.25'). L-1, #SEVERAL.

1368 ± 0 ** # 1507
KA/musc/granite Lawler Peak Granite Aldrich and others, 1957
Bagdad area — U-Pb zircon age for this rock unit is 1411 m.y. Bagdad quad., YA county (34° 36.67', 113° 11.50'). L-E, #A57:2A.

1410 ± 50 # 1521
SR/min/granodiorite Rincon Valley Granodiorite Marvin and Cole, 1978
Rincon Mtns. -- Isochron constructed from whole-rock, biotite, muscovite and apatite. A 1340 m.y. K-Ar age is also reported for this sample. Tanque Verde Peak quad., PM county (32° 12.50', 110° 42.50'). L-2, #74D62.

1411 ± 3 # 1522
PB/zirc/granite Lawler Peak Granite Silver and others, 1980
Bagdad area — Intrusion into Yavapai Supergroup. Age determined from a concordia diagram constructed using zircon, xenotime, and monazite analyses. Bagdad quad., YA county (34° 36.00', 113° 11.00'). L-8.

1415 ± 0 # 1523
KA/musc/pegmatite Vishnu Schist Damon and others, 1962
Grand Canyon -- Eastern part. Kaibab Trail. Precise location not reported. Bright Angel quad., CN county (36° 6.00', 112° 5.25'). L-1, C-?, K%= 8.9, *Ar=100, #PED-07-57.

1415 ± 40 # 1524
KA/biot/granite Ruin Granite Livingston and others, 1967
Salt River Canyon area -- Porphyritic granite phenocrysts of microperthite, biotite, and microcline. Rockinstraw Mtn. quad., GI county (33° 37.42', 110° 47.92'). L-1, K%= 6.7, *Ar=98, #DEL-03-62.

1415 ± 50 # 1525
KA/musc/granodiorite Rincon Valley Granodiorite Marvin and Cole, 1978
Rincon Mtns. -- In foothills, north of Tanque Verde Ridge. Rincon Valley quad., PM county (32° 13.50', 110° 42.50'). L-2, K%= 6.4, *Ar=99, #74D62.

1416 ± 2 # 1526
PB/zirc/quartz monzonite Nothing granite Byrant and Wooden, 1986
Poachie Range -- Postdeformational, flow-foliated granite. No analytical data reported. Arrastra Mtn. NE quad., YA county (34° 28.40', 113° 19.37'). L-3.

1416 ± 2 # 1527
PB/zirc/quartz monzonite Nothing granite Byrant and Wooden, 1986
Poachie Range -- Porphyritic textural variant of the Nothing granite of the same age. Postdeformational, flow-foliated biotite quartz monzonite. No analytical data reported. Arrastra Mtn. NE quad., YA county (34° 24.77', 113° 16.20'). L-3.

1416 ± 14 # 1528
KA/biot/granite Ruin Granite Creasey, 1980
Globe-Miami area -- Near Pinto Valley Mine. Inspiration quad., GI county (33° 27.80', 110° 56.30'). L-3, K%= 7.7, *Ar=96, #C80:44.

1418 ± 22 # 1529
FT/sphe/granite Hunters Point granite Naeser, 1971
Defiance Plateau -- Precambrian basement. Sphene age is an average of three dates and represents a minimum age for the rock. Hunters Point quad., AP county (35° 32.80', 109° 7.00'). L-2, #HP5.

1419 ± 0 # 1530
SR/biot/granite Oracle Granite Giletti and Damon, 1961
Oracle area -- Near Campo Bonito Mine. Model age (?). A K-Ar age of 1430 m.y. is reported by Damon and others (1962) from the same sample. Sri=0.7100 (assumed?), 1 pt. Campo Bonito quad., PN county (32° 33.00', 110° 43.00'). L-A, #PED-2-58.

1420 ± 10 # 1531
PB/zirc/granite Tungsten King Granite Silver, 1978
Little Dragoon Mtns. -- West side of range. Approximate lat-lon. No analytical data reported. Dragoon quad., CH county (32° 5.00', 110° 9.00'). L-8.

1420 ± 0 # 1532
PB/zirc/granite Oracle Granite Shakel and others, 1977
Santa Catalina Mtns. — Lithology described as a biotite augen gneiss. Approximate lat-lon. No analytical data reported. Agua Caliente Hill quad., PM county (32° 19.00', 110° 42.50'). L-8, C-2.

1425 ± 40 # 1533
KA/musc/pegmatite Oracle Granite pegmatite Damon and others, 1962
Oracle area -- About 1.5 km east of Oracle. Campo Bonito quad., PN county (32° 33.00', 110° 43.00'). L-1, K%= 8.3, *Ar=98, #PED-03-58.

1426 ± 0 # 1534
KA/plag/granite Oracle Granite Livingston and others, 1967
Oracle area -- Coarse-grained porphyritic granite. Oracle quad., PN county (32° 35.00', 110° 45.00'). L-1, K%= 0.8, *Ar=96, #DEL-13-62.

1368 ± 0 ** # 1508
KA/musc/pegmatite **Lawler Peak Granite pegmatite** Aldrich and others, 1957
Bagdad area — Pegmatite cross-cutting Lawler Peak granite. Lawler Peak granite yields an U-Pb zircon age of 1411 m.y. Bagdad quad., YA county (34° 36.67', 113° 11.50'). L-E, #A57:2B.

1375 ± 65 # 1509
SR/w.r./granite **Stockton Pass granite** Swan, 1976
Pinaleno Mtns. — Samples include UARS-74-52 through 55 and were collected from 32o 33.07' to 33.87' and 109o 46.78' to 48.20'. Sri=0.7081+/-0.0000, 4 pts. Stockton Pass quad., GM county (32° 33.07', 109° 46.78'). L-1, #SEVERAL.

1375 ± 30 # 1510
KA/musc/quartz monzonite **Empire Mtns. quartz monzonite** Shafiqullah and others, 1980
Empire Mtns. -- About 1.9 km northwest of Murphy Ranch. Empire Mtns. quad., PM county (31° 57.51', 110° 37.06'). L-1, K%= 7.3, *Ar=100, #UAKA-59-14.

1380 ± 40 # 1511
KA/biot/granite **Oracle Granite** Livingston and others, 1967
Oracle area — Coarse-grained porphyritic granite. Oracle quad., PN county (32° 35.00', 110° 45.00'). L-1, K%= 6.9, *Ar=97, #DEL-13-62.

1390 ± 40 # 1512
KA/biot/granite **Diana granite** Shafiqullah and others, 1980
Cerbat Mtns. — Near Chloride. Chloride quad., MO county (35° 25.15', 114° 13.47'). L-1, K%= 7.2, *Ar=99, #UAKA-57-17.

1390 ± 40 # 1513
KA/biot/granite **Hualapai Plateau granite** Shafiqullah and others, 1980
Hualapai Plateau -- West of Peach Springs on Hwy. 66. Equigranular granite. Sample PED-15-57. Milkweed Canyon SW quad., MO county (35° 32.00', 113° 40.50'). L-1, K%= 7.2, *Ar=95, #UAKA-57-15.

1390 ± 50 # 1514
KA/musc/granodiorite **Rincon Valley Granodiorite** Marvin and Cole, 1978
Rincon Mtns. — In foothills, Saguaro National Monument. Rincon Valley quad., PM county (32° 12.00', 110° 44.00'). L-2, K%= 5.5, *Ar=99, #74D57.

1394 ± 20 # 1515
KA/musc/pegmatite **Sierra Estrella pegmatite** Pushkar and Damon, 1974
Sierra Estrella — South end. Northeast-trending, quartz-perthite-biotite-muscovite-garnet pegmatite in Estrella Gneiss. Enid quad., PN county (33o 6.00', 112° 10.17'). L-1, K%= 8.6, *Ar=99, #PED-13-65.

1395 ± 50 # 1516
KA/biot/granodiorite **Rincon Valley Granodiorite** Marvin and Cole, 1978
Rincon Mtns. — In foothills, Saguaro National Monument. Rincon Valley quad., PM county (32° 12.00', 110° 44.00'). L-2, K%= 6.6, *Ar=100, #74D57.

1400 ± 15 # 1517
PB/zirc/granite **Dells Granite** Silver and others, 1980
Prescott area — Sample from outcrop 6-8 km northeast of Prescott. Concordia diagram constructed from two zircon fractions. Prescott quad., YA county (34° 37.00', 112° 25.00'). L-8.

1400 ± 0 # 1518
SR/plag/quartz monzonite **Oracle Granite** Livingston and others, 1967
Oracle area -- A K-Ar date obtained from the same sample gives an age of 1420 m.y. Keith and others (1980) refer to recalculated (?) age of 1410 Ma. Campo Bonito quad., PN county (32° 33.00', 110° 43.00'). L-1, #PED-2-58.

1400 ± 40 ** # 1519
KA/musc/schist **Pinal Schist** Shafiqullah and others, 1980
Pinal Mtns. — North of old Pioneer stagecoach station. Originally reported by Livingston (1969). Sample PED-01A-59. El Capitan Mtn. quad., GI county (33° 14.00', 110° 50.00'). L-1, K%= 7.0, *Ar=99, #UAKA-59-01.

1400 ± 0 # 1520
KA/amph/pegmatite **Chico Shunie pegmatite** Gray and others, 1985
Growler Mtns. — Pegmatite dike cutting main Chico Shunie quartz monzonite indicating a Precambrian age for the Chico Shunie. No analytical data reported. Generalized lat-lon. Growler Peak quad., PM county (32° 20.06', 113°0.06'). L-3, #G85:4.

1468 ± 0 ** # 1548
SR/micr/pegmatite Lawler Peak Granite pegmatite Aldrich and others, 1957
Bagdad area — Model age. Pegmatite cross-cutting Lawler Peak Granite. Compare with 1411 m.y. U-Pb zircon age determined for this unit. Bagdad quad., YA county (34° 36.67', 113° 11.50'). L-E, #A57:2B.

1468 ± 100 ** # 1549
SR/w.r./metarhyolite Pinal Schist Livingston, 1969
Tortilla Mtns. -- Reduced age on 1695 m.y. metarhyolite (U-Pb, zircon). Isochron constructed from samples DEL 3 through DEL 6-65 and DEL 8-65, collected from schistose silicious porphry. Sri=0.7117+/-0.0058, 6 pts. Teapot Mtn. quad., PN county (33° 10.25', 111° 1.00'). L-1, #DEL3-8.

1478 ± 40 ** # 1550
SR/w.r./rhyolite Redmond Formation Livingston, 1969
Salt River Canyon area -- Ignimbritic rhyolite, aplite and tuff unconformably overlain by White Ledges sequence. Age considered too young. Isochron constructed from six samples from differing locations. Sri=0.7043+/-0.0013, 6 pts. Haystack Butte quad., GI county (33° 42.00', 110° 42.00'). L-1, #SEVERAL.

1485 ± 0 ** # 1551
SR/min./quartz monzonite Music Mtns. quartz monzonite Wasserburg and Lanphere, 1965
Music Mtns. — Grand Wash area, Boyd Tenney Ranch. Precambrian biotite-hornblende intrusive into gneissic rock. Isochron constructed from biotite, plagioclase, apatite, microcline, and whole-rock analyses. Sri=0.7020+/-0.0000, 5 pts. Music Mtns. NE quad., MO county (35° 40.00', 113° 50.00'). L-8, #A-3.

1485 ± 40 # 1552
KA/biot/granite Ruin Granite Livingston, 1969
Sierra Ancha -- South slope. Originally reported, in part, by Damon and others (1962). Rockinstraw Mtn. quad., GI county (33° 43.50', 110° 50.00'). L-1, K%= 5.3, #PED-32-61.

1493 ± 80 ** # 1553
SR/w.r./volcanics Green Gulch Volcanics Lanphere, 1968
Jerome area -- Green Gulch volcanics, a member of the Yavapai Supergroup. Age is too young. Three-point isochron constructed from samples 7Ar8, 7Ar9, and BM-249, all collected at the same locality. Sri=0.7063+/-0.0016, 3 pts. Poland Junction quad., YA county (34° 24.00', 112° 15.80'). L-4, #L68:C.

1498 ± 60 ** # 1554
SR/w.r./volcanics Yavapai Supergroup Lanphere, 1968
Jerome area — Isochron is a composite of 1282 m.y. Iron King volcanics (three points), 1493 m.y. Green Gulch volcanics (three points), and 1547 m.y. Iron King volcanics (three points). Age is reduced. 9 pts. Poland Junction quad., YA county (34° 30.00', 112° 15.00'). L-4, #L68:C,D,E.

1500 ± 50 ** # 1555
KA/musc/pegmatite Cleator pegmatite Shafiqullah and others, 1980
Bradshaw Mtns. -- About 2 km west of Cleator. Sample PED-04-60. Cleator quad., YA county (34° 16.50', 112° 14.70'). L-1, K%= 8.9, *Ar=96, #UAKA-60-04.

1507 ± 84 ** # 1556
SR/w.r./quartz diorite Superstition quartz diorite Stuckless and Naeser, 1972
Superstition Mtns. -- Biotite quartz diorite containing more than 10 percent mafic minerals. Resembles Madera Diorite, but, if correlative, age is too young. Isochron consists of AP-209, AP-211, AP-231, and 8144. Sri=0.7074+/-0.0026, 4 pts. Weavers Needle quad., PN county (33° 24.33', 111° 18.92'). L-2, #SEVERAL.

1508 ± 0 ** # 1557
SR/musc/pegmatite Vishnu Schist Giletti and Damon, 1961
Grand Canyon -- Eastern area. Model age. Along Kaibab Trail. Age is the average of two analyses. Bright Angel quad., CN county (36° 6.00', 112° 5.25'). L-A, #PED-7-57.

1521 ± 0 ** # 1558
SR/micr/pegmatite Aquarius Mtns. pegmatite Wasserburg and Lanphere, 1965
Aquarius Mtns. — Model age. Small quartz-feldspar dike that intrude Precambrian granitic rocks. Age is concordant with ages from nearby Rare Metals Pegmatite. Approximate lat-lon. Sri=0.7060 (assumed), 1 pt. Tule Wash quad., MO county (34° 48.00', 113° 35.00'). L-8, #A-37.

1547 ± 0 ** # 1559
SR/k-sp/granophyre xenolith Coliseum diatreme Naeser, 1971
Hopi Buttes — Model age. Red granophyre xenolith from the Coliseum monchiquite diatreme, Hopi Buttes volcanic field. Reported from M. Lanphere (pers. comm.). Na Ah Tee Canyon quad., NA county (35° 23.00', 110° 8.20'). L-8.

1430 ± 40 # 1535
KA/biot/granite Oracle Granite Damon and others, 1962
Oracle area — Near Campo Bonito Mine. Campo Bonito quad., PN county (32° 33.00', 110° 43.00'). L-1, K%= 6.8, *Ar=97, #PED-02-58.

1433 ± 29 # 1536
SR/w.r./granite Eaton granite Erickson, 1981
Dos Cabezas Mtns. -- Strongly foliated pluton. Sri=0.7000+/-0.0020, 3 pts. Luzena quad., CH county (32° 16.20', 109° 34.47'). L-1, #841-845-854.

1433 ± 40 # 1537
FT/sphe/granite Superstition granite Stuckless and Naeser, 1972
Superstition Mtns. -- Porphyritic granite to quartz monzonite containing large orthoclase phenocrysts. Forms Precambrian basement around Superstition volcanic field and is a Ruin Granite correlative. Age is the mean age of four determinations. Pinyon Mtn. quad., MA county (33° 32.50', 111° 14.58'). L-2, #AP202.

1433 ± 60 ** # 1538
FT/sphe/quartz diorite Madera Diorite(?) Stuckless and Naeser, 1972
Superstition Mtns. -- Biotite quartz diorite that contains more than 10% mafic minerals. Resembles Madera Diorite in Pinal Mtns, if so the date is a minimum age. Age is mean of four mineral age determinations. Weavers Needle quad., PN county (33° 24.33', 111° 18.92'). L-2, #AP211.

1436 ± 0 # 1539
KA/plag/granite Ruin Granite Livingston and others, 1967
Salt River Canyon area — Location from Livingston (1969). Rockinstraw Mtn. quad., GI county (33° 37.42', 110° 47.92'). L-1, K%= 0.8, *Ar=92, #DEL-03-62.

1438 ± 10 ** # 1540
KA/biot/diorite Madera Diorite Banks and others, 1978b
Tortolita Mtns. -- North of and above Guild Wash detachment fault. Date probably reduced by intrusion of adjacent pluton of Oracle Granite or younger diabase. Tortolita Mtns. quad., PN county (32° 37.97', 111° 4.93'). L-3, K%= 7.5, *Ar=99, #TMN-93.

1439 ± 110 # 1541
SR/min./granite Ruin Granite Livingston, 1969
Sierra Ancha -- Porphyritic biotite quartz monzonite. An age of 1420 m.y. for the single sample DEL-3-62 is reported in Livingston and others (1967) based on an assumed(?) initial ratio of 0.710. Sri=0.7015+/-0.0080, 11 pts. Rockinstraw Mtn. quad., GI county (33° 35.00', 110° 50.00'). L-1, #DEL3 to 8-62.

1440 ± 200 # 1542
PB/zirc/granite Ruin Granite Silver and others, 1980
Globe Hills -- Coarsely porphyritic granite from roadcut on west side of Arizona Hwy. 88. Concordia constructed from two zircon analyses. Rockinstraw Mtn. quad., GI county (33° 32.50', 110° 45.50'). L-8.

1450 ± 50 # 1543
KA/musc/pegmatite Bagdad pegmatite Shafiqullah and others, 1980
Bagdad area -- Coarse pegmatite vein B in Yavapai Supergroup host rock for massive sulfide deposit at Old Dick Mine. Bagdad quad., YA county (34° 32.80', 113° 13.70'). L-1, K%= 8.7, *Ar=98, #UAKA-60-06.

1455 ± 40 # 1544
KA/biot/granite Ruin Granite Livingston and others, 1967
Salt River Canyon area — Date represents USGS analysis of same sample analyzed by Livingston and others (1967). Also cited in Livingston (1969). Rockinstraw Mtn. quad., GI county (33° 35.00', 110° 50.00'). L-2, K%= 6.4, #DEL-03-62.

1460 ± 50 # 1545
KA/biot/granite Rincon Valley Granodiorite Marvin and others, 1973
Rincon Mtns. — In foothills. Sample 69D61. Rincon Valley quad., PM county (32° 5.00', 110° 37.00'). L-2, K%= 5.9, *Ar=99, #M73:87.

1460 ± 50 # 1546
KA/musc/granite Chino Creek granite Shafiqullah and others, 1980
Juniper Mtns. -- Approximately 10 km south of Seligman. Turkey Canyon quad., YA county (35° 15.00', 112° 54.00'). L-1, K%= 8.6, *Ar=99, #UAKA-59-25.

1463 ± 60 ** # 1547
SR/min./quartz diorite Madera Diorite Livingston, 1969
Pinal Mtns. -- Isochron consists of whole rock, two plagioclase, and a sphene analyses from DEL-12-65. Reduced age. Sri=0.7045+/-0.0001, 4 pts. Pinal Peak quad., GI county (33° 19.50', 110° 52.25'). L-1, #DEL-12-65.

1547 ± 50 ** # 1560
SR/w.r./volcanics Iron King Volcanics Lanphere, 1968
Jerome area — Iron King volcanics, a member of the Yavapai Supergroup. Age is too young. Isochron constructed from samples 7Ar17, 7Ar21, and BM-256, all collected at the same locality. Sri=0.7045+/-0.0019, 3 pts. Hickey Mtn. quad., YA county (34° 39.40', 112° 13.80'). L-4, #L68:D.

1547 ± 60 ** # 1561
SR/plag/quartz diorite Madera Diorite Livingston, 1969
Pinal Mtns. — Isochron consists of whole rock and three plagioclase analyses. Extracted epidote and hornblende indicate a very young metamorphism which apparently did not affect the plagioclase. Age is too young. Sri=0.7048+/-0.0002, 4 pts. Pinal Peak quad., GI county (33° 19.50', 110° 52.25'). L-1, #DEL-16-65.

1550 ± 60 # 1562
KA/biot/quartz monzonite Rincon Valley Granodiorite Marvin and others, 1973
Rincon Mtns. -- Sample 69D46. Happy Valley quad., PM county (32° 6.00', 110° 26.00'). L-2, K%= 4.9, *Ar=99, #M73:86.

1553 ± 0 ** # 1563
SR/biot/quartz monzonite Aquarius Mtns. qtz monzonite Wasserburg and Lanphere, 1965
Aquarius Mtns. -- Model age. Medium to coarse grained quartz monzonite, commonly porphyritic. Intruded by Precambrian pegmatite swarm. Sri=0.7060 (assumed), 1 pt. Tule Wash quad., MO county (34° 50.00', 113° 35.00'). L-8, #A-35.

1559 ± 0 ** # 1564
SR/biot/gneiss Grand Wash Cliffs gneiss Wasserburg and Lanphere, 1965
Grand Wash area -- Model age. Interlayered garnet-biotite-potassium-feldspar gneiss and diopside-hornblende gneiss intruded by granite and pegmatite. Sri=0.7060 (assumed), 1 pt. Music Mtns. NE quad., MO county (35° 40.00', 113° 50.00'). L-8, #A-6,7.

1559 ± 0 ** # 1565
SR/micr/pegmatite Rare Metals Pegmatite Wasserburg and Lanphere, 1965
Aquarius Mtns. — Model age. Quartz-feldspar pegmatite, Rare Metals Mine. Rb-Sr and K-Ar on muscovite from same unit yield ages of 1644 and 1635 m.y. respectively. 1645 m.y. is considered to be closest age to intrusion. Sri=0.7060 (assumed),1 pt. Tule Wash quad., MO county (34° 47.92', 113° 31.40'). L-8, #A-32.

1560 ± 0 # 1566
KA/musc/pegmatite Bagdad pegmatite Shafiqullah and others, 1980
Bagdad area -- Coarse pegmatite from vein A, Yavapai Supergroup host rock for massive sulfide deposit at Old Dick Mine. Bagdad quad., YA county (34° 32.80', 113° 13.70'). L-1, K%= 8.6, *Ar=98, #UAKA-60-06.

1570 ± 100 # 1567
KA/horn/granite Rincon Valley Granodiorite Marvin and others, 1973
Rincon Mtns. — In foothills. Sample 69D61. Rincon Valley quad., PM county (32° 5.00', 110° 37.00'). L-2, K%= 0.5, *Ar=99, #M73:87.

1572 ± 0 ** # 1568
SR/micr/pegmatite Cerbat Mtns. pegmatite Wasserburg and Lanphere, 1965
Cerbat Mtns. -- Model age. Small feldspar pegmatite that intrudes gneiss of the Cerbat Mtns. Generalized lat-lon. Age uncertain. Sri=0.7060 (assumed), 1 pt. Elements Canyon quad., MO county (35° 26.00', 114° 3.00'). L-8, #A-12A.

1576 ± 85 ** # 1569
SR/w.r./rhyolite Deception Rhyolite Lanphere, 1968
Jerome area — Deception rhyolite of Ash Creek Group. Isochron constructed from samples 7Ar1, 7Ar5, BM-232 and BM-233, all collected from the same locality. Age is too young. Sri=0.7049+/-0.0038, 4 pts. Cottonwood quad., YA county (34° 38.71', 112° 6.10'). L-4, #L68:A.

1582 ± 50 # 1570
KA/spod/pegmatite White Picacho pegmatite Laughlin, 1969
Hieroglyphic Mtns. — White Picacho district. Generalized lat-lon. Precise location not reported. Red Picacho quad., MA county (33° 55.00', 112° 35.00'). L-1, K%= 0.5, *Ar=86, #AWL-15-66.

1596 ± 90 # 1571
SR/w.r./granite Mazatzal Mtns. granite Livingston, 1969
Mazatzal Mtns. -- Foliated granite in the southern Mazatzal Mtns. Sri=0.7021+/-0.0012, 3 pts. Theodore Roosevelt Dam quad., MA county (33° 37.50', 111° 11.33'). L-1, #DEL-1 TO 3.

1605 ± 80 ** # 1572
SR/w.r./granite Palmer Wash granite Krieger, 1974c
Black Mtn. -- Model age. Muscovite granite thought related to numerous aplite dikes in adjacent Ruin Granite. From R. Marvin, written communication (1967). Putnam Wash quad., PN county (32° 45.50', 110° 52.00'). L-3.

1605 ± 38 ** # 1573
SR/w.r./volcanics Yavapai Supergroup Lanphere, 1968
Jerome area -- Ash Creek Group of Yavapai Supergroup. Isochron includes six points from Deception Rhyolite and one point from Burnt Canyon Dacite. Generalized lat-lon. 7 pts. Cottonwood quad., YA county (34° 40.00', 112° 7.00'). L-4, #L68:D.

1605 ± 50 # 1574
KA/spod/pegmatite White Picacho pegmatite Laughlin, 1969
Hieroglyphic Mtns. -- White Picacho district. Generalized lat-lon. Precise location not reported. Red Picacho quad., MA county (33° 55.00', 112° 35.00'). L-1, K%= 0.5, *Ar=99, #AWL-15-66.

1607 ± 0 ** # 1575
PB/gale/mineralization Iron King mineralization Mauger and others, 1965
Black Hills -- Iron King Mine, Big Bug District. Massive sulfide deposit, underground sample. 207Pb/206Pb model age. Approximate lat-lon. Prescott Valley South quad., YA county (34° 30.00', 112° 15.00'). L-1, C-2, #PED-5-60.
PB/PB = 1607.0 ± 0.0 238U/PB = 0.0 ± 0.0 235U/PB = 0.0 ± 0.0 TH/PB = 0.0 ± 0.0

1610 ± 90 ** # 1576
SR/w.r./quartz monzonite Blanco Spring quartz monzonite Marvin and Cole, 1978
Bradshaw Mtns. -- About 1.0 km west of Blancho Spring. Model age. Considered to be minimum age for the intrusion. Sri=0.7040 (assumed), 1 pt. Battle Flat quad., YA county (34° 15.40', 112° 17.08'). L-2, #CAA-5.

1611 ± 0 # 1577
KA/musc/pegmatite Pinal Mtns. pegmatite Livingston, 1969
Pinal Mtns. -- North of the old Pioneer Stage Station. Pegmatite dike intruding Pinal schist. Date is interpreted to reflect partial resetting by 1400 m.y. Ruin Granite. El Capitan Mtn. quad., GI county (33° 14.00', 110° 50.00'). L-1, K%= 8.6, #PED-03-59.

1615 ± 65 ** # 1578
KA/musc/pegmatite Grand Wash Cliffs gneiss Wasserburg and Lanphere, 1965
Grand Wash Cliffs -- Generalized lat-lon. Music Mtns. NE quad., MO county (35° 40.00', 113° 53.10'). L-8, K%= 8.8, *Ar=99, #A-8A.

1620 ± 50 ** # 1579
KA/horn/quartz diorite Cherry Springs quartz diorite Lanphere, 1968
Black Hills -- Near Cherry. Pluton is intrusive into Ash Creek Group. Other dates are older. Mingus Mtn. quad., YA county (34° 35.20', 112° 2.00'). L-8, K%= 0.4, *Ar=96, #L68:G.

1620 ± 40 # 1580
KA/musc/pegmatite Pinal Mtns. pegmatite Shafiqullah and others, 1980
Pinal Mtns. -- Pegmatite intrusive into Pinal Schist north of old Pioneer stagecoach station. Sample PED-01B-59. El Capitan Mtn. quad., GI county (33° 14.00', 110° 50.00'). L-1, K%= 8.6, *Ar=99, #UAKA-59-01.

1625 ± 10 # 1581
PB/zirc/granodiorite Johnny Lyon Granodiorite Silver and Deutsch, 1963
Johnny Lyon Hills -- Age determined by concordia plot of zircon separates from samples L312 and L609. System was disturbed at 90 m.y. Age recalculated by Silver (1978.) Dragoon quad., CH county (32° 10.00', 110° 13.50'). L-8, #L312.

1625 ± 0 ** # 1582
SR/micr/pegmatite Grand Wash Cliffs gneiss Wasserburg and Lanphere, 1965
Grand Wash area -- Age is a composite age of 13 samples from four pegmatites intruding interlayered Precambrian rocks. Sri=0.7040+/-0.0000, 13 pts. Music Mtns. NE quad., MO county (35° 40.00', 113° 50.00'). L-8, #A-3,4,8A,8C.

1630 ± 15 # 1583
PB/zirc/granite Young granite Conway, 1976
Diamond Butte area -- Post-deformational granite in the eastern Tonto Basin. Young quad., GI county (34° 2.38', 110° 56.54'). L-8, C-2.

1635 ± 65 ** # 1584
KA/musc/pegmatite Rare Metals Pegmatite Wasserburg and Lanphere, 1965
Aquarius Mtns. -- Quartz-feldspar pegmatite. Slghtly older Rb-Sr date on same sample. Generalized lat-lon. Tule Wash quad., MO county (34° 47.92', 113° 31.40'). L-8, K%= 8.7, *Ar=99, #A-31.

1635 ± 50 ** # 1585
KA/horn/quartz diorite Cherry Springs quartz diorite Lanphere, 1968
Black Hills — Near Cherry. Pluton is intrusive into Ash Creek Group and elsewhere yields older ages. Mingus Mtn. quad., YA county (34° 35.20', 112° 2.00'). L-8, K%= 0.4, *Ar=95, #L68:G.

1635 ± 60 # 1586
KA/horn/quartz diorite Madera Diorite Banks and others, 1972
Ray area -- Sonora quad., PN county (33° 12.49', 110° 59.95'). L-2, K%= 0.4, *Ar=94, #B72:24H.

1635 ± 65 # 1587
KA/horn/quartz monzonite Music Mtns. quartz monzonite Wasserburg and Lanphere, 1965
Music Mtns. -- Grand Wash Cliffs, Boyd Tenney Ranch. Generalized lat-lon. Music Mtns. NE quad., MO county (35° 40.00', 113° 53.10'). L-8, K%= 1.2, *Ar=99, #A-3.

1640 ± 15 # 1588
PB/zirc/granite Sunflower granite Silver, 1965
Mazatzal Mtns. -- Age determined by upper intersect on concordia plot. Postdeformational to Mazatzal Orogeny. No analytical data reported. Boulder Mtn. quad., MA county (33° 50.00', 111° 30.00'). L-8, C-2.

1643 ± 0 # 1589
KA/biot/granodiorite Squaw Peak granodiorite Roe, 1976
Black Hills -- Granodiorite intruded by quartz monzonite (Squaw Peak stock), which is associated with porphyry mineralization. Horner Mtn. quad., YA county (34° 29.00', 111° 51.42'). L-I, C-?, #SP-1.

1644 ± 0 ** # 1590
SR/musc/pegmatite Rare Metals Pegmatite Wasserburg and Lanphere, 1965
Aquarius Mtns. -- Model age. Quartz-feldspar pegmatite, Rare Metals Mine. K-Ar age on same muscovite separate is 1635 m.y. 1645 m.y. is considered to be closest to age of intrusion. Rb-Sr microcline age of 1559 m.y. Sri=0.7060 (assumed), 1 pt. Tule Wash quad., MO county (34° 47.92', 113° 31.40'). L-8, #A-31.

1665 ± 40 # 1591
KA/biot/quartz diorite Madera Diorite Damon and others, 1962
Pinal Mtns. — North of old Pioneer Stage Station. Location from Livingston (1969). El Capitan Mtn. quad., GI county (33° 14.00', 110° 50.00'). L-1, K%= 3.4, *Ar=100, #PED-02-59.

1670 ± 80 ** # 1592
KA/biot/granodiorite Cherry Springs quartz diorite Marvin and Cole, 1978
Black Hills -- South of Cherry. Pluton elsewhere yields older ages. Mingus Mtn. quad., YA county (34° 32.42', 112° 7.00'). L-2, K%= 6.5, *Ar=100, #CAA-2.

1675 ± 15 # 1593
PB/mona/quartzofeldspathic gneiss Vishnu Schist Pasteels and Silver, 1966
Grand Canyon -- Eastern area. From vicinity of Phantom Ranch. Inferred to be intruded by the Zoroaster Granite. Approximate lat-lon. No analytical data reported. Bright Angel quad., CN county (36°0.00', 112°0.00'). L-8, C-2.

1692 ± 50 ** # 1594
KA/horn/quartz diorite Cherry Springs quartz diorite Lanphere, 1968
Black Hills — Near Cherry. Pluton is intrusive into Ash Creek Group and elsewhere yields older ages. Mingus Mtn. quad., YA county (34° 35.20', 112° 2.00'). L-8, K%= 0.3, *Ar=95, #L68:F.

1693 ± 30 # 1595
SR/w.r./quartz diorite Madera Diorite Livingston, 1969
Pinal Mtns. -- Biotite quartz diorite. Sri=0.7007+/-0.0008, 5 pts. Pinal Peak quad., GI county (33° 18.66', 110° 51.25'). L-1, #DEL-9 TO 13.

1695 ± 15 # 1596
PB/zirc/rhyolite Red Rock Group Ludwig, 1974
Mazatzal Mtns. -- Age determined by upper intersect on three point concordia plot. Predeformational to Mazatzal Orogeny. Data also appears in Ludwig and Silver (1977). Reno Pass quad., GI county (33o 57.50', 111° 24.00'). L-8, C-2.

1695 ± 15 # 1597
PB/zirc/metarhyolite Pinal Schist Silver, 1967
Little Dragoon Mtns. -- Intrusive rhyolite into Pinal Schist. Same age within analytical error as volcanic components in Pinal Schist of Johnny Lyon Hills. No analytical data reported. Dragoon quad., CH county (32° 7.50', 110° 8.50'). L-8, C-2.

1695 ± 5 # 1598
PB/zirc/quartz monzonite Crazy Basin quartz monzonite Karlstrom and others, 1986
Bradshaw Mtns. — Intrusive relationships indicate that the Crazy Basin quartz monzonite postdates metamorphism and isoclinal folding in the Yavapai Supergroup and is synchronous with movement along the Cleator shear zone. No analytical data reported. Crown King quad., YA county (34° 14.29', 112° 16.15'). L-K.

1696 ± 50 ** # 1599
KA/biot/quartz diorite Cherry Springs quartz diorite Lanphere, 1968
Black Hills — Near Cherry. Pluton is intrusive into Ash Creek Group and elsewhere yields older ages. Mingus Mtn. quad., YA county (34° 33.00', 112° 5.00'). L-8, K%= 5.7, *Ar=99, #L68:G.

1697 ± 5 # 1600
PB/zirc/rhyolite Hells Gate rhyolite Silver and others, 1986
Diamond Butte area — Hypabyssal rhyolite related to Red Rock Group cauldron resurgence. Intrudes Mazatzal Quartzite. Approximate lat-lon. No analytical data reported. McDonald Mtn. quad., GI county (34° 12.86', 111° 8.08'). L-8.

1697 ± 50 ** # 1601
KA/biot/quartz diorite Cherry Springs quartz diorite Lanphere, 1968
Black Hills — Near Cherry. Pluton is intrusive into Ash Creek Group and elsewhere yields older ages. Mingus Mtn. quad., YA county (34° 35.20', 112° 2.00'). L-8, K%= 7.2, *Ar=99, #L68:F.

1698 ± 65 # 1602
KA/horn/gneiss Grand Wash Cliffs gneiss Wasserburg and Lanphere, 1965
Grand Wash Cliffs — Interlayered garnet-biotite-potassium feldspar gneiss and diopside-hornblende gneiss intruded by granite and pegmatite. Music Mtns. NE quad., MO county (35° 40.00', 113° 53.10'). L-3, K%= 0.6, *Ar=65, #A-7.

1700 ± 6 # 1603
PB/zirc/rhyolite ash-flow Red Rock Group Silver and others, 1986
Diamond Butte area — Rhyolitic ash-flows erupted from a large alkali-rhyolite caldera complex. Aproximate lat-lon. No analytical data reported. McDonald Mtn. quad., GI county (34° 11.00', 111° 8.00'). L-8.

1700 ± 0 ** # 1604
SR/w.r./amphibolite Estrella Gneiss Reynolds, 1985
South Mtns. -- Amphibolite is overprinted by middle Tertiary mylonitization. Measured 87Sr/86Sr very low (0.706), indicating a primitive mantle source for original mafic rock. Poorly constrained model age. Sri=0.70125 (assumed), 1 pt. Lone Butte quad., MA county (33° 19.92', 112° 5.32'). L-1, #EG-1.

1703 ± 0 # 1605
PB/zirc/granite Payson Granite Silver and others, 1986
Payson area -- Ages of 1692 to 1703 m.y. are reported for the Payson Granite, alaskite, and granophyre. Location given is for the western lobe of the Payson Granite. Location for the eastern lobe is 34° 15.71',111° 8.65'. No analytical data reported. Payson North quad., GI county (34° 15.24', 111° 15.58'). L-8.

1705 ± 15 # 1606
PB/zirc/granite Zoroaster granite Pasteels and Silver, 1966
Grand Canyon -- Eastern area. Samples from Clear Creek trail vicinity, east of Phantom Ranch. Approximate lat-lon. No analytical data reported. Bright Angel quad., CN county (36° 5.00', 112° 2.00'). L-8, C-2.

1709 ± 8 # 1607
PB/zirc/metarhyolite Dick Rhyolite (?) Byrant and Wooden, 1986
Poachie Range — N 30E-trending screen of amphibolite facies metasedimentary and metavolcanic rocks. These rocks are cut by an undated well-foliated granodiorite. No analytical data reported. Arrastra Mtn. NE quad., YA county (34° 27.10', 113° 18.00'). L-3.

1710 ± 20 # 1608
PB/zirc/rhyolite breccia & tuff Alder Group Ludwig, 1974
Mazatzal Mtns. -- Age determined by upper intersect on concordia plot from two samples each of tuff and breccia. Samples collected from up to 1 km stratigraphically below the Red Rock Rhyolite. See also Ludwig and Silver (1977). Approximate lat-lon. Reno Pass quad., GI county (33° 56.50', 111° 29.00'). L-8, C-2, #GR-,TFBRC.

1710 ± 0 # 1609
PB/zirc/rhyolite Alder Group Silver and others, 1986
Diamond Butte area -- Samples of felsic volcanic rocks interlayered with mature quartzites from the upper 1 km of the Alder Creek Group. Ages range from 1700 to 1710 m.y., no uncertainties given. No analytical data reported. Buzzard Roost Mesa quad., GI county (34° 6.67', 111° 5.77'). L-8.

1711 ± 3 # 1610
PB/zirc/granodiorite gneiss Poachie Range gneiss Bryant and Wooden, 1986
Poachie Range — Foliated mafic granodiorite gneiss in a similar stratigraphic position as the well-foliated granodiorite cutting the Dick Rhyolite. No analytical data reported. Arrastra Mtn. quad., MO county (34° 27.73', 113° 24.77'). L-3.

1715 ± 0 # 1611
PB/gale/mineralization Jerome mineralization Mauger and others, 1965
Jerome area — United Verde Mine, Verde District. Sample taken from subsurface. Massive sulfide deposit, galena associated with sphalerite mineralization. 207Pb/206Pb model age. Approximate lat-lon. Clarkdale quad., YA county (34° 45.00', 112° 7.00'). L-1, C-2, #PED-46-60.

1715 ± 0 # 1612
PB/gale/mineralization Jerome mineralization Mauger and others, 1965
Jerome area — United Verde Mine, Verde District. Massive sulfide deposit. Sample collected from pit area. 207Pb/206Pb model age. Approximate lat-lon. Clarkdale quad., YA county (34° 45.00', 112° 7.00'). L-1, C-2, #PED-47-60.

1720 ± 15 # 1613
PB/zirc/metarhyolite Bagdad metarhyolite Silver, 1966
Bagdad area -- This and associated granodiorite intrusive masses of same age are similar in foliation to the Yavapai Supergroup. An episode of disturbance at 200 +/- 25 m.y. is indicated. No analytical data reported. Bagdad quad., YA county (34° 35.00', 113° 10.00'). L-8, C-2.

1720 ± 15 # 1614
PB/zirc/rhyolite Bagdad gneissic rhyolite Silver, 1966
Bagdad area -- Rock reported to display intrusive field relations, but may be the extrusive Dick Rhyolite. Approximate lat-lon. No analytical data reported. Bagdad quad., YA county (34° 34.30', 113° 12.70'). L-8, C-2.

1720 ± 15 # 1615
PB/zirc/granodiorite Bagdad porph. granodiorite Silver, 1966
Bagdad area -- Foliated porphyritic granodiorite. Approximate lat-lon. No analytical data reported. Bagdad quad., YA county (34° 34.30', 113° 12.70'). L-8, C-2.

1720 ± 9 # 1616
PB/zirc/quartz diorite Bland quartz diorite Bowring and others, 1986
Bradshaw Mtns. -- This unit intrudes the Yavapai Supergroup and is mylonitized within the Shylock Fault Zone, suggests a post-1720 m.y. penetrative deformation. No analytical data reported. Bumble Bee quad., YA county (34° 10.00', 112° 6.35'). L-K.

1738 ± 4 # 1617
PB/zirc/mafic granodiorite Gibson Creek batholith Silver and others, 1986
Payson area -- Interpreted as batholithic basement upon which the Alder Group is deposited. No analytical data reported. Payson South quad., GI county (34° 8.10', 111° 18.46'). L-8.

1740 ± 15 # 1618
PB/zirc/quartz diorite Cherry Springs quartz diorite Anderson and others, 1971
Black Hills -- Intrusion into the Ash Creek Group of the Yavapai Supergroup. Upper intersect age. Zircons are from three nearby locations and yielded similar ages. Humbolt quad., YA county (34° 35.00', 112° 9.00'). L-8, C-2, #A71:7,8,9.

1740 ± 15 # 1619
PB/zirc/granodiorite Government Canyon Granodiorite Anderson and others, 1971
Prescott area -- Intrudes volcanics of the Yavapai Supergroup. Pluton considered to be late synkinematic or postkinematic. Prescott quad., YA county (34° 31.00', 112° 27.00'). L-8, C-2, #A71:6.

1740 ± 0 # 1620
PB/zirc/rhyolite tuff Butte Falls rhyolite tuff Silver, 1966
Bagdad area -- Part of the Yavapai Supergroup. An episode of disturbance at 200 +/- 25 m.y. is indicated. No analytical data reported. Bagdad quad., YA county (34° 36.00', 113° 11.00'). L-8, C-2.

1740 ± 10 # 1621
PB/zirc/granodiorite Bumblebee granodiorite Karlstrom and others, 1986
Bradshaw Mtns. — No analytical data reported. Cleator quad., YA county (34° 16.19', 112° 8.65'). L-K.

1740 ± 10 # 1622
PB/zirc/granodiorite Badger Springs granodiorite Karlstrom and others, 1986
Bradshaw Mtns. -- Foliated in areas near the Shylock Fault Zone, and cuts the Bumblebee granodiorite of the same age. No analytical data reported. Columbia quad., YA county (34° 6.35', 112° 15.24'). L-K.

1750 ± 10 # 1623
PB/zirc/granodiorite Brady Butte Granodiorite Anderson and others, 1971
Bradshaw Mtns. — Pluton intrudes Spud Mountain Volcanics of the Yavapai Supergroup. Zircons are from two near-by localities and yielded similar ages. Battle Flat quad., YA county (34° 19.00', 112° 22.00'). L-8, C-2, #A71:3,4.

1755 ± 10 # 1624
PB/zirc/rhyolite Yavapai Supergroup Anderson and others, 1971
Bradshaw Mtns. -- Zircon from rhyolite flow in the upper part of an intertonguing complex of andesitic and rhyolitic volcaniclastic beds and basaltic flows. Originally considered to be part of the Spud Mountain Volcanics of the Big Bug Group. Crown King quad., YA county (34° 11.50', 112° 21.00'). L-8, C-2, #A71:2.

1762 ± 470 # 1625
SR/w.r./granodiorite gneiss Hualapai Mtns. gneiss Kessler, 1976
Hualapai Mtns. — Isochron constructed from three whole-rock points. If assumed inital ratio is used to calculate ages for each data point, the average of the ages is 1774 m.y. Lat-lon is for sample GD-3. Sri=0.7033 +/- 0.0010, 3 pts. Hualapai Peak quad., MO county (35° 3.08', 113° 54.18'). L-1, #GD-2,-3,-5.

1800 ± 10 # 1626
PB/zirc/rhyolite Deception Rhyolite Anderson and others, 1971
Jerome area — Sample from a quartz porphyry facies in the upper part of the unit. Part of the Yavapai Supergroup. Hickey Mt. quad., YA county (34° 44.50', 112° 10.00'). L-8, C-2, #A71:1.

1815 ± 300 ** # 1627
FT/zirc/quartzite Fort Defiance quartzite Naeser, 1971
Defiance Plateau — Detrital zircon from unnamed Precambrian pink quartzite. Zircon ages reflect minimum ages of rocks in the source area(s) for the quartzite. Buell Park quad., AP county (35° 47.00', 109° 6.30'). L-2, #FTD1A.

1871 ± 12 ** # 1628
KA/biot/granodiorite Willow Spring Granodiorite Creasey, 1980
Globe-Miami area -- Near Copper Cities Mine. Date is probably too old on this pluton, which is probably a Madera Diorite equivalent. Inspiration quad., GI county (33° 25.55', 110° 52.92'). L-3, K%= 7.4, *Ar=97, #C80:51.

2124 ± 400 ** # 1629
FT/zirc/quartzite Fort Defiance quartzite Naeser, 1971
Defiance Plateau — Detrital zircon from unnamed Precambrian pink quartzite. Zircon ages reflect minimum ages of rocks in the source area(s) for the quartzite. Buell Park quad., AP county (35° 47.00', 109° 6.30'). L-2, #FTD1B.

Part II

List of Radiometric Age Determinations by Geographic Area*

*See Table A for list of geographic areas by county.

AREA

RECORD	AGE	METHOD/MATERIAL/ROCK TYPE - ROCK UNIT (QUADRANGLE) SAMPLE NO.

Agua Fria area

235	10.40	-- KA/w.r./basalt - Hickey Fm. (Estler Peak) MY8
240	10.70	-- KA/w.r./basalt - Hickey Fm. (Cordes Junction) MY6
255	11.35	-- KA/w.r./basalt - Hickey Fm. (Estler Peak) MY7
303	13.47	-- KA/w.r./basalt - Hickey Fm. (Cleator) MY5
350	15.40	-- KA/w.r./basalt - Hickey Fm. (Squaw Creek Mesa) ES:64
458	18.92	-- KA/horn/latite - Cordes latite (Cleator) MY1
514	20.50	-- KA/w.r./basalt - New River basalt (New River) ES:63

Aguila Mtns.

318	14.00	-- KA/w.r./basalt - Aguila Mtns. basalt (Aguila Mtns.) UAKA-79-55

Aguila Ridge

407 **	17.35	-- KA/w.r./K-rich volcanic - Aguila Ridge volcanics (Date Creek Ranch SW) UAKA-78-30
435 **	18.30	-- FT/apat/ash-flow tuff - Aguila Ridge volcanics (Date Creek Ranch SE) 191-79
446 **	18.60	-- FT/zirc/ash-flow tuff - Aguila Ridge volcanics (Date Creek Ranch SE) 191-79
638	23.90	-- KA/biot/ash-flow tuff - Aguila Ridge volcanics (Date Creek Ranch SE) 191-79

Ajo Range

449	18.60	-- KA/w.r./basalt - Pitahaya Canyon basalt (Mt. Ajo) T86:1
365	15.90	-- KA/biot/rhyolite - Estes Canyon rhyolite (Mt. Ajo) T86:2
370	16.10	-- KA/biot/rhyolite - Estes Canyon rhyolite (Mt. Ajo) T86:3
400	17.10	-- KA/biot/rhyolite - Estes Canyon rhyolite (Mt. Ajo) T86:4
410	17.40	-- KA/w.r./rhyolite - Ajo volcanics (Mount Ajo) UAKA-72-42
520	20.50	-- KA/biot/ - Ninemile Peak volcanics (Mt. Ajo) T86:5
542	21.30	-- KA/biot/ - Ninemile Peak volcanics (Mt. Ajo) T86:6
579	22.40	-- KA/biot/ - Ninemile Peak volcanics (Mt. Ajo) T86:7
368	16.10	-- KA/w.r./andesite - Ajo volcanics (Kino Peak) AK2100

Anderson Mesa

165	6.39	-- KA/w.r./basalt - Anderson Mesa basalt (Lower Lake Mary) PED-15-64

Apache Segment

814	28.03	-- KA/w.r./rhyolite - Round Top rhyolite (Round Top Mtn.) UAKA-76-110
1018	54.56	-- KA/w.r./latite boulder - Rim Gravel (Round Top Mtn.) UAKA-76-106
1041	56.79	-- KA/w.r./andesite boulder - Rim Gravel (Round Top Mtn.) UAKA-76-106
1186	66.72	-- KA/w.r./basaltic andesite boulder - Rim Gravel (Round Top Mtn.) UAKA-76-106

Aquarius Mtns.

433	18.23	-- KA/w.r./basalt - Austin Peak basalt (Meath Spring)
527	20.70	-- KA/w.r./basaltic andesite - Fort Rock volcanics (Fort Rock Ranch) BA78-73
565	22.00	-- KA/w.r./basalt dike - Fort Rock volcanics (Bull Springs) F78-85
578	22.40	-- KA/biot/andesite - Fort Rock volcanics (Fort Rock Ranch) F78-88
674	24.72	-- KA/w.r./basalt - Trout Creek volcanics (Meath Spring)
1558 **	1521.00	-- SR/micr/pegmatite - Aquarius Mtns. pegmatite (Tule Wash) A-37
1563 **	1553.00	-- SR/biot/quartz monzonite - Aquarius Mtns. qtz monzonite (Tule Wash) A-35
1565 **	1559.00	-- SR/micr/pegmatite - Rare Metals Pegmatite (Tule Wash) A-32
1584 **	1635.00	-- KA/musc/pegmatite - Rare Metals Pegmatite (Tule Wash) A-31
1590 **	1644.00	-- SR/musc/pegmatite - Rare Metals Pegmatite (Tule Wash) A-31

Aravaipa area

491	20.00	-- KA/biot/welded tuff - Horse Mtn. Volcanics (San Carlos Reservoir (?))
552	21.80	-- KA/feld/tuff - Horse Mtn. Volcanics (San Carlos Reservoir (?))

Arlington Valley

38	1.28	-- KA/w.r./basalt - Arlington basalt (Arlington) UAKA-73-150
40	1.35	-- KA/w.r./basalt - Gillespie basalt (Spring Mtn.) UAKA-73-07
57	1.92	-- KA/w.r./basalt - Arlington basalt (Hassayampa) UAKA-73-09
63	2.08	-- KA/w.r./basalt - Arlington basalt (Arlington) UAKA-73-149
67	2.17	-- KA/w.r./basalt - Arlington basalt (Hassayampa) UAKA-73-152
68	2.28	-- KA/w.r./basalt - Arlington basalt (Arlington) UAKA-73-151
81	2.67	-- KA/w.r./basalt - Gillespie basalt (Spring Mtn.) UAKA-73-04
90	3.10	-- KA/w.r./basalt - Gillespie basalt (Spring Mtn.) R-2641

Arlington Valley (cont.)

94		3.28	-- KA/w.r./basalt - Arlington basalt (Arlington) UAKA-73-03
97		3.40	-- KA/w.r./olivine basalt - Gillespie basalt (Spring Mtn.) R-2637
100		3.50	-- KA/w.r./olivine basalt - Gillespie basalt (Spring Mtn.) R-2634
102		3.53	-- KA/w.r./olivine basalt - Gillespie basalt (Spring Mtn.) R-2632
103		3.60	-- KA/w.r./olivine basalt - Gillespie basalt (Spring Mtn.) R-2636
110		3.90	-- KA/w.r./olivine basalt - Gillespie basalt (Spring Mtn.) R-2635
115		4.30	-- KA/w.r./olivine basalt - Gillespie basalt (Spring Mtn.) R-2633
147	**	5.80	-- KA/w.r./basalt - Arlington basalt (Arlington) R-2661
161		6.20	-- KA/w.r./basalt - Gillespie basalt (?) (Spring Mtn.) ES:97
479		19.60	-- KA/w.r./basalt - Palo Verde volcanics (Spring Mtn.) R-2640
483		19.80	-- KA/w.r./basalt - Palo Verde volcanics (Spring Mtn.) R-2638
488		19.91	-- KA/w.r./basaltic andesite - Palo Verde volcanics (Arlington) UAKA-73-22
492		20.00	-- KA/w.r./basaltic andesite - Palo Verde volcanics (Spring Mtn.) UAKA-73-27
494		20.10	-- KA/w.r./basalt - Palo Verde volcanics (Spring Mtn.) R-2639
509		20.41	-- KA/w.r./basaltic andesite - Palo Verde volcanics (Spring Mtn.) UAKA-73-08

Artillery Mtns.

213		9.20	-- KA/w.r./basalt - Bill Williams basalt (Artillery Peak) AP-19
218		9.55	-- KA/w.r./basalt - Manganese Mesa basalt (Artillery Peak) UAKA-75-62
282		12.60	-- KA/sani/rhyolite - Potts Mtn. rhyolite (Artillery Peak) AP-04A
299		13.30	-- KA/w.r./basalt - Cobweb Basalt (Artillery Peak) ES:86
305	**	13.60	-- KA/w.r./K-rich volcanic - Artillery Fm. (Artillery Peak) AP78-02
376		16.28	-- KA/w.r./basalt - Artillery Fm. (Artillery Peak) UAKA-74-04
440		18.38	-- KA/biot/rhyolite - Artillery Fm. (Artillery Peak) KA-1236
487		19.90	-- KA/w.r./rhyolite - Artillery Fm. (Artillery Peak) UAKA-78-46
547		21.60	-- KA/w.r./basalt - Artillery Fm. (Artillery Peak) ES:85
964	**	44.70	-- KA/w.r./basalt - Chapin Wash Fm. (?) (Artillery Peak) KA-1235

Atascosa Mtns.

787		27.20	-- KA/biot/tuff - Montana Peak fm. (Ruby) UAKA-77-66

Aubrey Hills

399		17.10	-- KA/plag/basalt - Aubrey turkey track porphyry (Standard Wash) 1872

Aubrey Peak area

279		12.40	-- KA/sani/rhyolite - Aubrey Peak rhyolite (Castaneda Hills) CHNE-153

Avra Valley

864	**	29.80	-- KA/w.r./K-rich volcanic - Picacho Peak volcanics (Silver Bell Peak) ES:11

Babocomari River area

675		24.85	-- KA/w.r./basalt - Pantano Fm. (?) (Mustang Mtns.) PED-09-70
768		26.71	-- KA/sani/ash-flow tuff - Pantano Fm. (?) (Mustang Mtns.) PED-10-70
808		27.84	-- KA/sani/ash-flow tuff - Pantano Fm. (?) (Pyeatt Ranch) PED-11-70
949		39.80	-- KA/biot/rhyolite tuff - Pantano Fm. (?) (Pyeatt Ranch) M73:71

Baboquivari Mtns.

874	**	30.30	-- KA/musc/pegmatite dike - Baboquivari pegmatite (Presumido Peak) UAKA-73-70
953		40.90	-- SR/min./granite - Presumido Peak granite (Caponera Peak) SEVERAL
1380		194.00	-- PB/zirc/quartz porphyry - Ali Molina Formation (Baboquivari Peak)

Bagdad area

1266		72.60	-- KA/biot/quartz monzonite - Bagdad stock (Bagdad) PED-17-64
1463	**	1170.00	-- KA/biot/schist - Yavapai Supergroup (Bagdad) UAKA-60-06
1503	**	1361.00	-- SR/musc/granite - Lawler Peak Granite (Bagdad) A57:2A
1507	**	1368.00	-- KA/musc/granite - Lawler Peak Granite (Bagdad) A57:2A
1508	**	1368.00	-- KA/musc/pegmatite - Lawler Peak Granite pegmatite (Bagdad) A57:2B
1522		1411.00	-- PB/zirc/granite - Lawler Peak Granite (Bagdad)
1543		1450.00	-- KA/musc/pegmatite - Bagdad pegmatite (Bagdad) UAKA-60-06
1548	**	1468.00	-- SR/micr/pegmatite - Lawler Peak Granite pegmatite (Bagdad) A57:2B
1566		1560.00	-- KA/musc/pegmatite - Bagdad pegmatite (Bagdad) UAKA-60-06
1613		1720.00	-- PB/zirc/metarhyolite - Bagdad metarhyolite (Bagdad)
1614		1720.00	-- PB/zirc/rhyolite - Bagdad gneissic rhyolite (Bagdad)
1615		1720.00	-- PB/zirc/granodiorite - Bagdad porph. granodiorite (Bagdad)
1620		1740.00	-- PB/zirc/rhyolite tuff - Butte Falls rhyolite tuff (Bagdad)

Batamote Mtns.

356 15.52 — KA/w.r./andesite - Batamote Andesite (Ajo) UAKA-72-64

Bates Mtns.

394 16.70 — KA/horn/andesite - Bates Mtns. andesite (Kino Peak) AK2087

Belmont Mtns.

343 15.01 — KA/w.r./basalt - Hot Rock basalt (Belmont Mtns.) UAKA-73-10

Big Sandy Valley

276 12.19 — KA/w.r./basalt - Tule Wash basalt (Tule Wash) UAKA-78-45

Bill Williams Mtns.

198 8.60 -- KA/w.r./basalt - Castaneda megacrystic basalt (Parker Dam) MSMF
234 10.30 — KA/sani/rhyolite dike - Bill Williams Mtns. dike (Castaneda Hills) CHSW-158
309 13.70 -- KA/sani/rhyolite - Bill Williams Mtns. rhyolite (Castaneda Hills) CHNW-154

Black Hills

211 9.18 — KA/w.r./basalt - Tule Mesa basalt (Verde Hot Springs) UAKA-73-162
268 11.90 — KA/w.r./basalt - Hickey Fm. (Cottonwood) MM2
293 13.10 — KA/w.r./basalt - Hickey Fm. (Middle Verde) UAKA-66-28
298 13.20 — KA/w.r./basalt - Hickey Fm. (Hickey Mtn.) UAKA-67-09
307 13.70 — KA/w.r./basalt - Hickey Fm. (Hickey Mtn.) MM1
323 14.32 -- KA/w.r./basalt - Hickey Fm. (Clarkdale) CD1
1478 ** 1282.00 -- SR/w.r./volcanics - Yavapai Supergroup (Mayer) L68:E
1575 ** 1607.00 — PB/gale/mineralization - Iron King mineralization (Prescott Valley South) PED-5-60
1579 ** 1620.00 — KA/horn/quartz diorite - Cherry Springs quartz diorite (Mingus Mtn.) L68:G
1585 ** 1635.00 — KA/horn/quartz diorite - Cherry Springs quartz diorite (Mingus Mtn.) L68:G
1589 1643.00 — KA/biot/granodiorite - Squaw Peak granodiorite (Horner Mtn.) SP-1
1592 ** 1670.00 — KA/biot/granodiorite - Cherry Springs quartz diorite (Mingus Mtn.) CAA-2
1594 ** 1692.00 — KA/horn/quartz diorite - Cherry Springs quartz diorite (Mingus Mtn.) L68:F
1599 ** 1696.00 — KA/biot/quartz diorite - Cherry Springs quartz diorite (Mingus Mtn.) L68:G
1601 ** 1697.00 — KA/biot/quartz diorite - Cherry Springs quartz diorite (Mingus Mtn.) L68:F
1618 1740.00 — PB/zirc/quartz diorite - Cherry Springs quartz diorite (Humbolt) A71:7,8,9

Black Mtn.

1352 ** 141.00 — KA/biot/granite - Oracle Granite (Black Mtn.) UAKA-63-32
1461 ** 1150.00 -- KA/biot/pegmatite - Oracle Granite pegmatite (Black Mtn.) UAKA-63-31
1572 ** 1605.00 — SR/w.r./granite - Palmer Wash granite (Putnam Wash)

Black Mtns.

151 ** 5.90 — KA/biot/tuff - Black Mtns. tuff (Boundary Cone) RD-01
241 ** 10.70 -- KA/biot/quartz monzonite porphyry - Moss Porphyry (Oatman) MP-1
317 14.00 — KA/biot/granite - Wilson Ridge granite (Hoover Dam) BC305
340 15.00 — KA/w.r./basalt - Mount Davis Volcanics (Mt. Davis) BC409B
355 15.50 — KA/biot/granite - Wilson Ridge granite (Hoover Dam) BC303
426 18.00 — PB/zirc/granite - Times Porphyry (Oatman) 4-16-84-6
447 18.60 — KA/biot/quartz latite - Gold Road Latite (Oatman) 385
460 ** 19.10 — KA/w.r./ash-flow tuff - Patsy Mine Volcanics (Black Canyon) BC309
464 19.20 — KA/biot/quartz latite - Antelope quartz latite (Mt. Nutt) 558A
539 ** 21.20 — KA/k-sp/vein - Oatman vein (Oatman (?)) DT:5
600 23.10 — KA/horn/granophyre porphyry - Times Porphyry (Oatman) 79
611 ** 23.40 — KA/sani/ash-flow tuff - Patsy Mine Volcanics (Black Canyon) BC309
838 ** 28.60 — KA/biot/ash-flow tuff - Patsy Mine Volcanics (Black Canyon) A72:45
956 ** 41.90 — KA/biot/ash-flow tuff - Patsy Mine Volcanics (Black Canyon) A72:46
445 18.60 — PB/zirc/granite - Moss Porphyry (Oatman) 4-16-84-5

Blue Range area

637 23.86 — KA/w.r./basaltic andesite - Blue Range volcanics (Robinson Mesa) PED-32-67
640 23.91 — KA/biot/rhyolite - Blue Range volcanics (Dutch Blue Creek) PED-36-67
692 25.10 — KA/sani/ash-flow tuff - Moonstone ash-flow tuff (Blue) PED-31-67
863 29.63 — KA/w.r./basaltic andesite - Flattop basaltic andesite (Duncan) 5
929 36.10 — KA/horn/andesite - Blue Range volcanics (Rose Peak) PED-09-69
939 38.30 — KA/horn/andesite - Blue Range volcanics (Rose Peak) PED-33-67

Bouse Hills

381		16.46	— KA/biot/granodiorite - Bouse Hills granodiorite (Utting) UAKA-73-127
513		20.50	— KA/biot/andesite - Bouse Hills andesite (Utting) ES:90

Bradshaw Mtns.

314		13.90	— KA/w.r./basalt - Hickey Fm. (Poland Junction) MU2
998	**	52.00	— PB/gale/mineralization - Golden Turkey vein (Cleator) PED-1-60
1146		64.00	— KA/biot/granodiorite - Walker granodiorite (Mt. Union) A68:7A
1158		64.70	— KA/biot/granodiorite - Crown King granodiorite (Crown King) A75:CK
1226		70.00	— KA/biot/granodiorite - Big Bug stock (Mayer) A68:7B
1468	**	1235.00	— KA/biot/granodiorite - Brady Butte Granodiorite (Mt. Union) 123
1469	**	1240.00	— SR/biot/granodiorite - Brady Butte Granodiorite (Battle Flat) W-123
1474	**	1270.00	— KA/biot/granodiorite - Brady Butte Granodiorite (Mt. Union) 550
1555	**	1500.00	— KA/musc/pegmatite - Cleator pegmatite (Cleator) UAKA-60-04
1576	**	1610.00	— SR/w.r./quartz monzonite - Blanco Spring quartz monzonite (Battle Flat) CAA-5
1598		1695.00	— PB/zirc/quartz monzonite - Crazy Basin quartz monzonite (Crown King)
1616		1720.00	— PB/zirc/quartz diorite - Bland quartz diorite (Bumble Bee)
1621		1740.00	— PB/zirc/granodiorite - Bumblebee granodiorite (Cleator)
1622		1740.00	— PB/zirc/granodiorite - Badger Springs granodiorite (Columbia)
1623		1750.00	— PB/zirc/granodiorite - Brady Butte Granodiorite (Battle Flat) A71:3,4
1624		1755.00	— PB/zirc/rhyolite - Yavapai Supergroup (Crown King) A71:2

Buckeye area

1284	**	73.80	— KA/biot/basalt - Reeves No. 1 basalt (Buckeye NW) ES:96

Buckhorn Mtns.

425		17.98	— KA/biot/latite porphyry - Hieroglyphic volcanics (Copperopolis) UAKA-72-71

Buckskin Mtns.

196		8.50	— KA/w.r./basalt - Osborne Wash Fm. (Cross Roads) MWC-55-74
219		9.60	— KA/w.r./basalt - Osborne Wash Fm. (?) (Black Peak) RD-16
225		10.00	— KA/w.r./basalt - Bill Williams basalt (Monkeys Head) YU-179-PW
289		12.90	— KA/w.r./basalt - Osborne Wash Fm. (Parker) MWC-56-74
312		13.80	— KA/w.r./andesite - Cross Roads andesite (Cross Roads) F-1
319		14.10	— KA/w.r./basalt - Osborne Wash Fm. (Black Peak) RD-21
364	**	15.90	— KA/plag/olivine basalt - Osborne Wash Fm. (Cross Roads) 1882
372		16.14	— KA/w.r./basaltic andesite - Osborne Wash Fm. (Black Peak) UAKA-68-07
373		16.16	— KA/w.r./basaltic andesite - Osborne Wash Fm. (Cross Roads) UAKA-68-06
424	**	17.90	— KA/feld/gneiss - Buckskin Mtns. augen gneiss (Swansea) NS-08-262
448		18.60	— KA/horn/trachybasalt - Artillery Fm. (Swansea) NS-06-95
517	**	20.50	— KA/w.r./basalt - Osborne Wash Fm. (Black Peak) ES:89
671	**	24.70	— KA/w.r./phyllite - Buckskin Mtns. phyllite (Cross Roads) 1877
702	**	25.30	— KA/plag/olivine basalt - Bill Williams basalt (Monkeys Head) 1878
802		27.67	— KA/biot/rhyolite tuff - Copper Penny tuff (Swansea) NS-11
981	**	49.20	— KA/biot/tuff - Chapin Wash Fm. (?) (Ives Peak) ES:87
1033	**	56.10	— KA/plag/rhyolite - Buckskin Mtns. rhyolite (Cross Roads) 1887
1052	**	57.50	— KA/w.r./granite - Cienega District granite (Cross Roads) 1879

Burro Creek area

190		8.24	— KA/w.r./basalt - Burro Creek basalt (Kaiser Spring) UAKA-74-81
203		8.80	— KA/w.r./basalt - Burro Creek basalt (Kaiser Spring) UAKA-74-82
220		9.62	— KA/w.r./basalt - Big Sandy Fm. (Kaiser Spring (?)) UAKA-70-13
587	**	22.60	— KA/w.r./basalt - Burro Creek basalt (Kaiser Spring) ES:84
1404	**	577.00	— KA/biot/granite - Burro Creek granite (Arrastra Mtn. NE) UAKA-64-19

Cabeza Prieta Mtns.

371		16.12	— KA/w.r./andesite - Cabeza Prieta volcanics (Cabeza Prieta Peak) UAKA-74-122
422		17.81	— KA/horn/andesite dike - Cabeza Prieta volcanics (Cabeza Prieta Peak) UAKA-76-41
1004		52.50	— KA/biot/granite - Gunnery Range granite (Cabeza Prieta Peak) UAKA-75-99

Cameron area

18		0.64	— KA/w.r./basalt - Shadow Mtn. basalt (Cameron NW) UAKA-73-23
1329	**	97.00	— PB/uran/mineralization - Chinle Formation (Wupatki NE) K-183A
1342	**	127.00	— PB/uran/mineralization - Chinle Formation (Cameron) K-178
1364	**	160.00	— PB/uran/mineralization - Chinle Formation (Wupatki NE) K-183B
1372	**	169.00	— PB/uran/mineralization - Chinle Formation (Cameron) K-151
1381		196.00	— KA/w.r./volcanics - Chinle Formation (Cameron) UAKA-80-48
1383		210.00	— KA/w.r./volcanic cobble - Chinle Formation (Cameron) UAKA-80-47
1384		222.20	— KA/w.r./volcanic cobble - Chinle Formation (Cameron) UAKA-85-91

Cameron area (cont.)

1385 222.80 — KA/w.r./volcanic cobble - Chinle Formation (Cameron) UAKA-85-90

Canelo Hills

1275 73.00 — KA/biot/latitic tuff - Dove Canyon Volcanics (Canelo Pass) M73:68
1285 73.90 — KA/biot/welded tuff - Meadow Valley Trachyandesite (Canelo Pass) M73:67
1355 148.00 — SR/w.r./volcanics - Canelo Hills Volcanics (O'Donnell Canyon) SEVERAL
1375 177.00 — KA/biot/rhyolitic tuff - Canelo Hills Volcanics (Canelo Pass) M73:70

Carrizo Embayment

52 1.76 — KA/w.r./basalt - Corduroy Creek basalt (Limestone Canyon South) UAKA-75-52A
56 1.90 — KA/w.r./basalt - Corduroy Creek basalt (Limestone Canyon South) UAKA-74-136
272 ** 12.10 — KA/w.r./basalt - Corduroy Creek basalt (Limestone Canyon South) MM:1A
522 20.62 — KA/w.r./basalt - Canyon Creek basalt (Oak Creek Ranch) UAKA-76-94
559 21.90 — KA/w.r./basalt - Blue House Mtn. basalt (Blue House Mtn.) UAKA-76-109

Carrizo Mtns.

1221 69.60 — KA/horn/diorite porphyry - Carrizo laccolith (Pastora Peak) 748
1222 69.60 — KA/w.r./diorite porphyry - Carrizo laccolith (Pastora Peak) 748R

Castaneda Hills

135 ** 5.40 — KA/plag/basalt - Castaneda megacrystic basalt (Castaneda Hills) CH-79
171 6.80 — KA/w.r./basalt - Castaneda megacrystic basalt (Castaneda Hills) CH-92
178 7.50 — KA/w.r./basalt - Castaneda megacrystic basalt (Castaneda Hills) CH-78
179 7.50 — KA/w.r./basalt - Castaneda megacrystic basalt (Castaneda Hills) IL-CH-77-8
181 7.70 — KA/w.r./basalt - Castaneda megacrystic basalt (Castaneda Hills) CHSE-166
212 9.20 — KA/w.r./basalt - Bill Williams basalt (Castaneda Hills) CH-111
251 11.30 — KA/w.r./basalt - Bill Williams basalt (Castaneda Hills) CHSE-135A
265 11.70 — KA/biot/rhyolite - Castaneda Hills rhyolite (Castaneda Hills) CHNW-155
278 12.40 — KA/w.r./basalt-basaltic andesite - Castaneda qtz-bearing basalt (Castaneda Hills) CH-58B
280 12.40 — KA/sani/rhyolite - Castaneda Hills rhyolite (Castaneda Hills) CHNE-151
283 12.70 — KA/sani/rhyolite - Castaneda Hills rhyolite (Castaneda Hills) CHNW-156
292 13.00 — KA/w.r./basalt - Bill Williams basalt (Castaneda Hills) CHSE-164
294 13.10 — KA/sani/rhyolite - Castaneda Hills rhyolite (Castaneda Hills) CHNW-159
296 13.10 — KA/w.r./basalt - Bill Williams basalt (Castaneda Hills) CH-47
308 13.70 — KA/w.r./basalt-basaltic andesite - Castaneda qtz-bearing basalt (Castaneda Hills) CH-26
345 15.10 — KA/sani/rhyolite - Castaneda Hills rhyolite (Castaneda Hills) CHNE-152
383 16.50 — KA/w.r./basalt - Castaneda Hills basalt (Castaneda Hills) CH-61
451 18.70 — KA/w.r./basalt - Castaneda Hills basalt (Castaneda Hills) CH-49

Castle Dome Mtns.

459 19.00 — KA/plag/dacite dike - Castle Dome dike (Castle Dome Mtns.) CD-2
505 20.39 — KA/plag/basaltic andesite - Castle Dome volcanics (Engesser Pass) CD-72
507 20.40 — KA/w.r./rhyolite dike - Castle Dome volcanics (Castle Dome Mtns.) CD-09
573 22.20 — KA/biot/rhyolite - Castle Dome volcanics (Livingston Hills) CD-77
575 22.28 — KA/biot/rhyolitic tuff - Castle Dome volcanics (Castle Dome Mtns.) CD-92
616 23.50 — KA/biot/rhyolitic tuff - Castle Dome volcanics (Castle Dome Mtns.) CD-75
688 25.00 — KA/biot/dacite welded tuff - Castle Dome volcanics (Red Bluff Mtn.) CD-85
943 ** 39.10 — KA/w.r./metasedimentary rock - Mesozoic metasedimentary rocks (Castle Dome Mtns.) CD-3
950 ** 39.90 — KA/w.r./metasedimentary rock - Mesozoic metasedimentary rocks (Castle Dome Mtns.) CD-4

Cave Creek area

421 17.72 — KA/w.r./basaltic andesite - Pyramid Peak basaltic andesite (Daisy Mtn.) UAKA-78-42
543 21.34 — KA/w.r./basalt - Cave Creek area basalt (New River Mesa) UAKA-77-108
609 23.30 — KA/w.r./basalt - Cave Creek area basalt (New River Mesa) UAKA-70-05

Cerbat Mtns.

1276 73.10 — KA/phlo/quartz monzonite - Ithaca Peak stock (Chloride) RM-05-65
1379 ** 191.00 — PB/gale/mineralization - Cerbat Mtns. mineralization (Stockton Hill) M65:1
1444 ** 1050.00 — KA/biot/pegmatite - Cerbat Mtns. pegmatite (Kingman NW) UAKA-57-20
1464 ** 1180.00 — KA/biot/granite - Chloride granite (Chloride) UAKA-57-18
1465 ** 1180.00 — KA/biot/granite - Cerbat Mtns. granite (Chloride) UAKA-57-19
1466 ** 1184.00 — SR/biot/granite - Chloride granite (Chloride) PED-18-57
1487 ** 1322.00 — SR/biot/granite - Diana granite (Chloride) PED 17-57
1488 ** 1331.00 — SR/biot/gneiss - Cerbat Mtns. gneiss (Elements Canyon) A-10
1512 1390.00 — KA/biot/granite - Diana granite (Chloride) UAKA-57-17
1568 ** 1572.00 — SR/micr/pegmatite - Cerbat Mtns. pegmatite (Elements Canyon) A-12A

Cerro Colorado Mtns.

636 23.85 — KA/w.r./basaltic andesite - Cerro Colorado volcanics (Saucito Mtn.) JKP-02-68

Chinle Valley

877 30.60 — FT/apat/quartz monzonite xenolith - Garnet Ridge diatreme (Dennehotso) GR4
879 30.90 -- FT/apat/granite xenolith - Garnet Ridge diatreme (Dennehotso) GR3
902 33.20 -- FT/zirc/amphibolite xenolith - Garnet Ridge diatreme (Dennehotso) GR2
919 34.70 -- FT/apat/amphibolite xenolith - Garnet Ridge diatreme (Dennehotso) GR2
1400 ** 387.00 — FT/sphe/quartz monzonite xenolith - Garnet Ridge diatreme (Dennehotso) GR4
1406 ** 639.00 -- FT/sphe/granite xenolith - Garnet Ridge diatreme (Dennehotso) GR3
1409 ** 711.00 — FT/zirc/quartz monzonite xenolith - Garnet Ridge diatreme (Dennehotso) GR4

Chino Valley

120 4.60 — KA/w.r./basalt - Perkinsville Fm. (Chino Valley North) PA3
127 4.87 — KA/w.r./basalt - Perkinsville Fm. (Perkinsville) CD4
128 4.96 — KA/w.r./basalt - Perkinsville Fm. (Sycamore Basin) CD7
164 6.26 — KA/w.r./basalt - Perkinsville Fm. (Hell Point) PA2
541 21.28 — KA/w.r./trachyandesite - Sullivan Buttes Latite (King Canyon) UAKA-76-90
643 24.00 -- KA/biot/latite - Sullivan Buttes Latite (King Canyon) A-45
790 27.30 — KA/horn/latite - Sullivan Buttes Latite (Chino Valley North) A-44

Chiricahua Mtns.

27 0.88 — KA/w.r./basalt - Jackwood Pass basalt (Portal) UAKA-84-86
389 ** 16.60 -- KA/sani/rhyolite tuff - Rhyolite Canyon Fm. (Cochise Head) PED-12-62A
528 ** 20.70 — KA/k-sp/latite - Horseshoe Canyon volcanics (Portal) UAKA-84-88
558 21.87 -- KA/sani/rhyolite - Cave Creek fm. (Fife Peak) DM-04-67
672 24.70 -- KA/sani/rhyolite - Rhyolite Canyon Fm. (Cochise Head) PED-12-62B
696 25.11 -- KA/sani/rhyolite - Cave Creek fm. (Portal) DM-01-68
704 25.30 — KA/biot/rhyolite - Pothole Canyon rhyolite (Portal) UAKA-84-89
707 25.40 — KA/sani/rhyolite tuff - Rhyolite Canyon Fm. (Cochise Head) DM-03-67
711 25.40 — KA/biot/rhyolite dike - Turkey Creek rhyolite dike (Fife Peak) DM-03-68
714 25.50 -- FT/zirc/rhyolite dike - Chiricahua volcanics (Cochise Head)
719 25.60 -- KA/sani/rhyolite tuff - Rhyolite Canyon Fm. (Rustler Peak) DM-02-67
734 25.70 -- KA/biot/rhyolite - Rough Mtn. dike (Cochise Head) DH82:4
753 26.42 -- KA/biot/rhyolite - Cave Creek fm. (Portal) DM-06-67
762 ** 26.70 -- FT/zirc/latite porphyry - Whitetail Canyon latite porph. (Cochise Head)
788 27.25 — KA/sani/rhyolite tuff - Rhyolite Canyon Fm. (Cochise Head) PED-12-62A
801 27.60 — KA/biot/ash-flow tuff - Horseshoe Canyon volcanics (Portal) UAKA-84-87
824 28.30 — KA/biot/rhyodacite - Faraway Ranch Fm. (Cochise Head) DM-01-67
830 ** 28.50 -- FT/zirc/ash-flow tuff - Dug Road Mtn. rhyolite (Bowie Mtn. South)
837 28.60 — FT/zirc/dacite porphyry - Chiricahua volcanics (Portal) M78:33
841 28.60 — KA/biot/rhyodacite - Faraway Ranch Fm. (Cochise Head) DM-01-67
844 28.70 — KA/biot/rhyodacite - Split Rock rhyodacite (Cochise Head) DH82:1
858 29.59 — KA/biot/granite - Jhus Canyon granite (Portal) PED-08-69
862 29.61 -- KA/sani/rhyolite tuff - Faraway Ranch Fm. (Rustler Peak) DM-02-68
884 31.30 -- FT/zirc/andesitic lavas - Silver Spur Ranch andesite (Cochise Head)
887 31.50 — KA/biot/granodiorite - Bowie Mtn. granodiorite (Bowie Mtn. South) M73:99
889 31.70 — KA/biot/granite - Jhus Canyon granite (Portal) M73:100
890 31.77 -- KA/w.r./andesite - Nipper Fm. (Portal) UAKA-76-113
892 32.00 -- FT/apat/andesitic lavas - Silver Spur Ranch andesite (Cochise Head)
895 32.00 — KA/biot/andesite - Cochise Head andesite (Cochise Head) DH82:2
900 32.70 — KA/horn/granodiorite - Emigrant Canyon stock (Cochise Head) DH82:3
904 ** 33.50 — FT/apat/latite porphyry - Whitetail Canyon latite porph. (Cochise Head)
905 33.50 -- FT/zirc/granodiorite - Whitetail Canyon granodiorite (Cochise Head)
916 34.20 -- KA/biot/granodiorite - Emigrant Canyon stock (Cochise Head) DH82:3

Cienega Gap area

681 24.93 — KA/plag/andesite porphyry - Pantano Fm. (Vail) PED-40-63
843 28.70 -- KA/biot/dacite - Pantano Fm. (Mt. Fagan) M73:73
857 29.47 — KA/biot/tuff - Pantano Fm. (Vail) PED-07-65
909 33.60 — KA/biot/rhyolite ash-flow tuff - Pantano Fm. (Mt. Fagan) PED-13-62
936 37.60 — KA/sani/rhyolite ash-flow tuff - Pantano Fm. (Mt. Fagan) PED-13-62

Cimarron Mtns.

1201 67.60 — PB/zirc/granodiorite - Montazona granodiorite (Gu Achi) 3

Clanton Hills

618 23.60 — KA/biot/rhyolitic tuff - Clanton Hills volcanics (Eagletail Mtns.) ES:101
842 28.70 — KA/biot/basaltic andesite - Clanton Hills volcanics (Eagletail Mtns.) ES:102

Coconino Plateau

202 8.78 -- KA/w.r./basalt - Red Butte basalt (Red Butte SE) UAKA-71-38
206 8.93 -- KA/w.r./basalt - Red Butte basalt (Red Butte SE) UAKA-71-37
222 9.73 -- KA/w.r./basalt - Red Butte basalt (Red Butte SE) UAKA-71-37

Comobabi Mtns.

1331 ** 100.00 -- KA/horn/diorite - Comobabi pluton (Sells) UAKA-73-49

Cottonwood Cliffs area (?)

1475 ** 1272.00 -- SR/biot/granite - Valentine granite (Hackberry) GD61:3

Cottonwood Mtns.

659 24.30 -- KA/biot/latite - Fort Rock volcanics (Tin Mtn.) F78-72

Coyote Mtns.

1056 58.00 -- PB/zirc/granite - Pan Tak Granite (Pan Tak) PUP 14

Crater Range

436 18.30 -- KA/plag/andesite - Childs Latite (Midway) 81AM57
548 21.60 -- KA/w.r./basalt - Ajo volcanics (Midway) ES:107

Date Creek Basin area

248 11.00 -- KA/w.r./basalt - Anderson Mine basalt (Arrastra Mtn. SE) AP76-186A
275 12.10 -- KA/w.r./basalt dike - Date Creek Basin dike (Artillery Peak) AP76-38
285 12.80 -- KA/w.r./basalt - Castaneda qtz-bearing basalt (Artillery Peak) AP76-37
288 12.90 -- KA/w.r./basalt - Date Creek Basin basalt (Palmerita Ranch) AP76-40
297 13.19 -- KA/w.r./basalt - Santa Maria basalt (Arrastra Mtn. SE) UAKA-77-70
419 ** 17.60 -- KA/w.r./dacite flow - Arrastra Mtn. volcanics (Arrastra Mtn. SE) AP76-32
466 19.20 -- KA/w.r./basaltic andesite - Chapin Wash Fm. (Palmerita Ranch) AP76-35
571 22.10 -- KA/biot/rhyodacite - McLendon Peak rhyodacite (Date Creek Ranch NW) 210-79
673 24.70 -- KA/plag/rhyodacite - McLendon Peak rhyodacite (Malpais Mesa SW) 167-78
731 25.70 -- KA/plag/rhyodacite - Pre-Chapin Wash Fm. rhyodacite (Malpais Mesa (?))
959 ** 42.60 -- KA/biot/andesite - Arrastra Mtn. volcanics (Palmerita Ranch) KA-1237

Defiance Plateau

485 ** 19.90 -- KA/phlo/minette dike - Buell Park diatreme (Buell Park) N240
676 24.90 -- KA/phlo/minette - Buell Park diatreme (Buell Park) N255
738 25.90 -- KA/phlo/minette - Buell Park diatreme (Buell Park) BP37
745 26.10 -- KA/phlo/minette - Buell Park diatreme (Buell Park) BP34
756 26.50 -- KA/phlo/minette - Black Rock diatreme (Buell Park) BR4
759 26.60 -- KA/phlo/minette - Fluted Rock diatreme (Buell Park) FR3
878 30.60 -- FT/apat/granite xenolith - Buell Park diatreme (Buell Park) BP2B
901 32.90 -- FT/apat/granite xenolith - Buell Park diatreme (Buell Park) BP2A
920 34.80 -- KA/phlo/minette - Buell Park diatreme (Buell Park) BP75
1323 ** 87.60 -- FT/apat/granite - Hunters Point granite (Hunters Point) HP5
1363 ** 159.00 -- FT/zirc/granite xenolith - Buell Park diatreme (Buell Park) BP2
1386 ** 227.00 -- FT/sphe/granite xenolith - Buell Park diatreme (Buell Park) BP2
1529 1418.00 -- FT/sphe/granite - Hunters Point granite (Hunters Point) HP5
1627 ** 1815.00 -- FT/zirc/quartzite - Fort Defiance quartzite (Buell Park) FTD1A
1629 ** 2124.00 -- FT/zirc/quartzite - Fort Defiance quartzite (Buell Park) FTD1B

Del Bac Hills

649 24.10 -- KA/w.r./basaltic andesite - Del Bac Hills volcanics (Tucson SW) JKP-10-67
656 24.26 -- KA/w.r./basaltic andesite - Del Bac Hills volcanics (San Xavier Mission) JKP-50-66
699 25.22 -- KA/sani/basaltic andesite - Del Bac Hills volcanics (Tucson SW) JKP-68-66
712 25.42 -- KA/w.r./basaltic andesite - Del Bac Hills volcanics (San Xavier Mission) JKP-49-66
774 26.94 -- KA/plag/andesite porphyry - Turkey Track porphyry (San Xavier Mission) JKP-09-67
796 27.60 -- KA/w.r./andesite porphyry - Turkey Track porphyry (San Xavier Mission) JKP-09-67
810 27.98 -- KA/plag/andesite porphyry - Turkey Track porphyry (San Xavier Mission) JKP-09-67
971 ** 47.50 -- KA/plag/andesite porphyry dike - Turkey Track porphyry (San Xavier Mission) JKP-01-67

Diamond Butte area

1583 1630.00 -- PB/zirc/granite - Young granite (Young)
1600 1697.00 -- PB/zirc/rhyolite - Hells Gate rhyolite (McDonald Mtn.)
1603 1700.00 -- PB/zirc/rhyolite ash-flow - Red Rock Group (McDonald Mtn.)
1609 1710.00 -- PB/zirc/rhyolite - Alder Group (Buzzard Roost Mesa)

Dos Cabezas Mtns.

186 8.00 — KA/w.r./basalt - Pipeline basalt (Railroad Pass) 81D135
512 ** 20.50 — FT/zirc/lithic tuff - Dos Cabezas lithic tuff (Dos Cabezas)
685 25.00 -- FT/zirc/rhyolite dike - Wood Canyon rhyolite dike (Dos Cabezas)
775 ** 27.00 — FT/zirc/dacitic lithic tuff - Copper Peak lithic tuff (Dos Cabezas)
861 29.60 -- KA/biot/granodiorite - Ninemile granodiorite (Bowie Mtn. North) RCE-622-65
908 ** 33.50 — KA/biot/granite - Dos Cabezas granite (Dos Cabezas) RCE-653-65
921 34.80 — KA/w.r./dacite porphyry dike - Dos Cabezas dike (Dos Cabezas) RCE-636-65
928 36.00 — KA/plag/andesite dike - Turkey Track porphyry (Railroad Pass) RCE-329-65
980 48.80 — KA/w.r./basalt dike - Dos Cabezas dike (Luzena) RCE-657-65
990 ** 50.30 — KA/biot/granite - Dos Cabezas granite (Dos Cabezas) RCE-829-65
1002 ** 52.30 — KA/biot/gneiss - Rough Mtn. gneiss (Luzena) RCE-853-66
1009 ** 53.20 — KA/biot/granite - Dos Cabezas granite (Dos Cabezas) PED-25-61
1016 ** 53.70 — KA/plag/lithic tuff - Dos Cabezas lithic tuff (Dos Cabezas) RCE-851-66
1047 57.20 — KA/biot/quartz diorite - Maverick stock (Luzena) RCE-655-65
1072 ** 59.30 — KA/biot/granite - Eaton granite (Luzena) RCE-840-66
1087 60.20 — KA/biot/quartz diorite - Cowboy quartz diorite (Luzena) RCE-806-66
1147 64.30 -- KA/biot/quartz diorite - Silver Camp quartz diorite (Dos Cabezas) RCE-689-65
1441 ** 1020.00 — KA/w.r./quartz monzonite - Polecat quartz monzonite (Dos Cabezas) RCE-802-65
1457 ** 1110.00 — KA/biot/gneiss - Sommer gneiss (Willcox) RCE-331-64
1467 ** 1190.00 — KA/horn/amphibolite - Dos Cabezas amphibolite (Willcox) RCE-825-65
1493 ** 1340.00 -- KA/musc/pegmatite - Cement Canyon pegmatite (Dos Cabezas) DH85:1
1499 1352.00 — SR/w.r./granite - Dos Cabezas granite (Dos Cabezas) RCE 829-31
1536 1433.00 — SR/w.r./granite - Eaton granite (Luzena) 841-845-854

Dragoon Mtns.

577 ** 22.33 — KA/biot/granite - Stronghold Granite (Pearce) CMB-01-62
653 24.10 — KA/biot/granite - Stronghold Granite (Pearce) M73:89
777 27.00 -- KA/biot/granite - Stronghold Granite (Knob Hill) M73:90
912 33.90 — KA/horn/andesite - Courtland andesite (Pearce) M73:91
976 ** 48.00 — KA/biot/quartz latite tuff - S O Volcanics (Hay Mtn.) M73:92
1286 74.10 — KA/w.r./basalt dike - Golden Rule Mine dike (Cochise) UAKA-74-24
1290 74.50 -- KA/biot/welded tuff - Sugarloaf Quartz Latite (Outlaw Mtn.) M73:93
1377 183.00 -- KA/musc/quartz monzonite - Gleeson Quartz Monzonite (Hay Mtn.) M73:94
1378 185.00 -- KA/biot/quartz monzonite - Gleeson Quartz Monzonite (Pearce) 74D102

Dripping Spring Mtns.

715 25.50 — KA/w.r./basalt dike - Christmas basalt dike (Hayden) AB49-73
1120 62.50 — KA/seri/vein - Christmas vein (Hayden) D148-337
1125 62.80 — KA/biot/vein - Christmas vein (Christmas) CS-01-75
1143 64.00 — KA/biot/granodiorite porphyry - Christmas stock (Christmas) C62:12
1224 69.80 — KA/horn/rhyodacite intrusion - McDonald Stock (Hayden) 83AB75
1228 70.20 — KA/biot/granodiorite - Rattler Granodiorite (Sonora) B72:09
1251 71.50 — KA/biot/granodiorite - Rattler Granodiorite (El Capitan Mtn.) B72:10B
1252 ** 71.50 — KA/biot/rhyodacite dike - Post-Teapot Mtn. Porphyry dike (Sonora) B72:18
1270 72.90 — KA/biot/granodiorite - Rattler Granodiorite (Sonora) DEL-01-65
1304 76.20 — KA/horn/tuff - Williamson Canyon Volcanics (Hayden) 74AB75
1305 76.20 -- KA/horn/andesite porphyry dike - Christmas dike (Christmas) 72AB74
1306 76.30 -- KA/horn/granodiorite - Rattler Granodiorite (El Capitan Mtn.) B72:10H
1315 81.70 — KA/horn/andesite - Christmas andesite porphyry (Hayden) 54AB75

Dry Beaver Creek

166 6.40 — KA/w.r./basalt - Horse Mesa basalt (Munds Mtn.) UAKA-77-72
310 13.75 — KA/w.r./basalt - Beavertail Butte basalt (Sedona) UAKA-77-77
352 15.40 — KA/w.r./basalt - Beavertail Butte basalt (Sedona) UAKA-77-76

Durham-Suizo area

617 23.50 — KA/biot/quartz latite - Huerfano quartz latite (Tortolita Mtns.) TMN-62
694 25.10 — KA/horn/quartz latite - Huerfano quartz latite (Tortolita Mtns.) TMN-62
807 ** 27.70 -- KA/biot/granite - Oracle Granite (?) (Tortolita Mtns.) UAKA-63-36

Eagletail Mtns.

489 19.98 -- KA/biot/latite dike - Eagletail volcanics (Eagletail Mtns.) UAKA-72-72
532 20.90 — KA/w.r./basalt - Eagletail volcanics (Lone Mtn.) UAKA-73-107
630 23.70 — KA/biot/latite tuff - Eagletail volcanics (Eagletail Mtns.) UAKA-72-73
1006 ** 52.80 -- KA/biot/diorite - Eagletail Mtns. diorite (Eagletail Mtns.) UAKA-73-125

East Juniper Mtns.

139 5.50 — KA/w.r./olivine basalt - East Juniper Mtns. basalt (Turkey Canyon NE) BA78-82
162 6.20 — KA/w.r./olivine basalt - East Juniper Mtns. basalt (Turkey Canyon NE) BA78-90

East Juniper Mtns. (cont.)

662 ** 24.40 — KA/w.r./andesite - Turkey Canyon volcanics (Turkey Canyon NE) BA78-72
894 ** 32.00 — KA/biot/andesite - Turkey Canyon volcanics (Turkey Canyon NE) BA78-72
930 ** 36.10 -- KA/biot/andesite - Turkey Canyon volcanics (Turkey Canyon NE) BA78-72

Empire Mtns.

1258 71.90 — KA/biot/quartz monzonite - Empire stock (Empire Mtns.) M73:74
1510 1375.00 — KA/musc/quartz monzonite - Empire Mtns. quartz monzonite (Empire Mtns.) UAKA-59-14

Florence area

149 5.86 — KA/ /basalt - Florence basalt dike (Florence) N82:3
188 8.12 — KA/w.r./basalt - Poston Butte basalt (Florence) UAKA-72-20
204 8.87 — KA/w.r./basalt - Florence basalt (Florence SE) UAKA-76-89
320 14.14 — KA/w.r./basalt - Picture Rocks basalt (Florence SE) UAKA-72-20
698 ** 25.20 — KA/biot/granite - Arizona State A-1 granite (Picacho Reservoir SE) RR:3
722 ** 25.60 — KA/biot/granodiorite gneiss - Arizona State A-1 gneiss (Picacho Reservoir SE) RR:6
818 ** 28.10 — KA/horn/granodiorite gneiss - Arizona State A-1 gneiss (Picacho Reservoir SE) RR:7
821 ** 28.20 — KA/biot/granodiorite gneiss - Arizona State A-1 gneiss (Picacho Reservoir SE) RR:4
883 ** 31.10 — KA/biot/granodiorite gneiss - Arizona State A-1 gneiss (Picacho Reservoir SE) RR:5
960 ** 43.90 -- KA/biot/granite - Oracle Granite (?) (Picacho Reservoir) RR:2
1032 55.80 -- KA/ /andesite - Florence andesite dike (Florence) N82:2
1089 60.30 — KA/ /latite-dacite - Florence latite-dacite dike (Florence) N82:1
1134 63.40 — KA/biot/granodiorite - Florence granodiorite (Florence) UAKA-72-23
1241 70.70 — KA/biot/dike - Mineral Mtn. dike (North Butte) UAKA-72-1
1297 75.60 -- KA/biot/granodiorite - Mineral Mtn. stock (North Butte) UAKA-71-33
1348 ** 137.00 — KA/biot/granite - Oracle Granite (?) (Picacho Reservoir) RR:1

Fossil Creek Canyon

215 9.30 -- KA/w.r./olivine basalt - Fossil Creek basalt (Strawberry) UAKA-77-160
231 10.16 — KA/w.r./basalt - Fossil Creek basalt (Strawberry) UAKA-73-161

Galiuro Mtns.

194 8.46 — KA/w.r./basalt - Tablelands basalt (Jerusalem Mtn.) UAKA-75-57
595 22.78 — KA/w.r./andesite - Galiuro Volcanics (Holy Joe Peak) UAKA-76-96
601 23.10 -- KA/sani/tuff - Galiuro Volcanics (Saddle Mtn.) CK:16
615 23.50 — KA/sani/rhyolite tuff - Galiuro Volcanics (Holy Joe Peak) CK:04
661 24.40 — KA/biot/tuff - Galiuro Volcanics (Oak Grove Canyon) CK:15
703 25.30 — KA/biot/tuff - Galiuro Volcanics (Brandenburg Mtn.) CK:16
749 26.30 — KA/sani/rhyolite tuff - Galiuro Volcanics (Holy Joe Peak) CK:07
752 26.40 — KA/biot/rhyolite tuff - Galiuro Volcanics (Holy Joe Peak) CK:04
785 27.20 — KA/biot/andesite - Galiuro Volcanics (Bassett Peak) CK:11
786 27.20 -- KA/biot/rhyolite tuff - Galiuro Volcanics (Holy Joe Peak) CK:07
789 27.29 — KA/w.r./basaltic andesite - Galiuro Volcanics (?) (Soza Mesa) UAKA-78-41
792 27.40 -- KA/biot/rhyolite tuff - Galiuro Volcanics (Brandenburg Mtn.) CK:08
817 28.10 — KA/biot/rhyolite dike - Galiuro Volcanics (Brandenburg Mtn.) CK:10
849 28.90 -- KA/biot/rhyolite tuff - Galiuro Volcanics (Brandenburg Mtn.) CK:09
907 33.50 — KA/biot/tuff - Whitetail Conglomerate (Brandenburg Mtn.)
1102 61.00 — KA/biot/rhyolite stock - Saddle Mtn. rhyolite (Saddle Mtn.)
1124 62.80 — KA/w.r./basaltic andesite - Gloryhole Volcanics (Oak Grove Canyon) UAKA-71-18
1151 64.40 — KA/biot/ash-flow tuff - Cascabel fm. (Redington)
1176 65.80 — KA/biot/andesite porphyry - Copper Creek andesite porphyry (Rhodes Peak) UAKA-71-17
1223 69.70 — KA/biot/granodiorite - Copper Creek Granodiorite (Clark Ranch) C62:13
1282 73.70 — KA/horn/andesite - Muleshoe volcanics (?) (Redington) UAKA-74-42
1299 75.80 — KA/biot/andesitic tuff - Williamson Canyon Volcanics (Saddle Mtn.) UAKA-75-63
1317 82.20 — KA/horn/microdiorite - Williamson Canyon stock (Saddle Mtn.) UAKA-75-64
1318 82.70 -- KA/horn/basalt dike - Williamson Canyon dike (?) (Christmas) UAKA-76-66

Gila Bend Mtns.

76 2.58 — KA/w.r./basalt - Gila Bend basalt (Woolsey Peak) R-2585
121 4.60 — KA/w.r./basalt - Gila Bend basalt (Woolsey Peak) R-2584
169 6.70 — KA/w.r./basalt - Gila Bend basalt (Woolsey Peak (?)) R-2583
626 23.64 — KA/w.r./rhyolite - Yellow Medicine volcanics (Dendora Valley) UAKA-78-47
794 27.41 — KA/w.r./basaltic andesite - Woolsey Peak volcanics (Spring Mtn.) UAKA-73-26
803 27.70 — KA/w.r./rhyolite tuff - Sil Murk Fm. (Citrus Valley East) ES:99
856 29.40 — KA/biot/tuff - Sil Murk Fm. (Spring Mtn.) UAKA-73-25
1440 ** 994.00 — KA/biot/granite - Cotton Center gneissic granite (Cotton Center) ES:98

Gila Mtns. (Yuma)

1382 ** 203.00 — KA/biot/gneiss - Gila Mtns. gneiss (Ligurta) ES:113
1397 ** 326.00 — KA/biot/gneiss - Gila Mtns. gneiss (Ligurta) ES:113

Gila Mtns.

523		20.62	— KA/w.r./basaltic andesite - Bonita Creek volcanics (Guthrie) UAKA-78-32
625		23.60	-- KA/w.r./andesite - Wilson Wash andesite (Safford) H85:A
665		24.50	— KA/biot/rhyolite - West Ranch rhyolite (Safford) H85:D
724		25.60	-- KA/plag/rhyolite - West Ranch rhyolite (Safford) H85:D
741		25.90	— KA/horn/dacite - Bryce Mtn. volcanics (Safford) H85:C
761		26.60	-- KA/w.r./andesite - Bear Spring andesite (Safford) H85:B
766		26.70	-- KA/ /volcanic rock - Bryce Mtn. volcanics (Bryce Mtn. (?)) AV-14B
772		26.90	-- KA/ /volcanic rock - Bryce Mtn. volcanics (Bryce Mtn. (?)) AV-2A
778		27.00	-- KA/ /volcanic rock - Bryce Mtn. volcanics (Bryce Mtn. (?)) AV-11A
819		28.20	-- KA/ /volcanic rock - Bryce Mtn. volcanics (Bryce Mtn. (?)) AV-4B
820		28.20	— KA/ /volcanic rock - Bryce Mtn. volcanics (Bryce Mtn. (?)) AV-11B
847		28.80	-- KA/ /basaltic andesite - Bryce Mtn. volcanics (Bryce Mtn. (?)) AV-8A
848		28.80	-- KA/ /volcanic rock - Bryce Mtn. volcanics (Bryce Mtn. (?)) AV-17B
851		29.00	— KA/ /volcanic rock - Bryce Mtn. volcanics (Bryce Mtn. (?)) AV-18B
875		30.30	— KA/ /volcanic rock - Bryce Mtn. volcanics (Bryce Mtn. (?)) AV-18B
896		32.10	— KA/ /volcanic rock - Bryce Mtn. volcanics (Bryce Mtn. (?)) AV-15B
911		33.70	— KA/ /volcanic rock - Bryce Mtn. volcanics (Bryce Mtn. (?)) AV-15B
913		33.90	— KA/ /volcanic rock - Bryce Mtn. volcanics (Bryce Mtn. (?)) AV-15B
1008		53.00	— KA/seri/alteration - Lone Star alteration (Safford)
1010		53.30	-- KA/biot/quartz monzonite - Lone Star quartz monzonite (Safford) PED-35-67
1058		58.00	— KA/biot/quartz diorite - Lone Star quartz diorite (Safford)
1059		58.00	-- KA/biot/quartz monzonite porphyry - Lone Star porphyry (Safford)
1140		63.80	— KA/plag/quartz monzonite - Lone Star quartz monzonite (Safford) PED-04-64
1202		67.60	-- KA/horn/rhyolite - Walnut Springs dike (Safford) H85:E
1213	**	68.80	— KA/biot/granite - Oracle Granite (?) (Safford)

Globe Hills

1542		1440.00	— PB/zirc/granite - Ruin Granite (Rockinstraw Mtn.)

Globe-Miami area

402	**	17.17	— KA/biot/ash-flow tuff - Apache Leap Tuff (Inspiration (?)) PED-04-59
1030		55.70	-- KA/biot/granite - Schultze Granite (Inspiration) C80:13
1031		55.80	-- KA/biot/granite - Schultze Granite (?) (Globe) UAKA-69-10
1038	**	56.60	-- KA/biot/granodiorite - Willow Spring Granodiorite (Inspiration) C80:46
1043		56.90	— KA/biot/vein - Globe-Miami vein (Pinal Ranch) C80:33
1055		57.90	-- KA/biot/granite - Schultze Granite (Inspiration) C80:10
1064	**	58.60	— KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Inspiration) C80:22
1068		58.90	— KA/biot/granite - Schultze Granite (Inspiration) L-846
1069		58.90	— KA/musc/vein - Globe-Miami vein (Pinal Ranch) C80:29
1070		59.10	-- KA/biot/granite - Schultze Granite (Inspiration) PED-05-59
1071		59.30	-- KA/biot/granite - Schultze Granite (Pinal Ranch) C80:07
1074		59.50	— KA/biot/granite - Schultze Granite (Inspiration) C62:09
1081	**	59.90	— KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Inspiration) C80:21
1082		59.90	-- KA/biot/granite - Schultze Granite (Pinal Ranch) C80:05
1083		59.90	-- KA/biot/granite - Schultze Granite (Inspiration) C80:12
1085		60.00	— KA/biot/granite - Schultze Granite (Inspiration) C80:15
1088		60.20	— KA/musc/vein - Globe-Miami vein (Pinal Ranch) C80:28
1090		60.40	-- KA/biot/granite - Schultze Granite (Pinal Ranch) C80:01
1092		60.50	— KA/biot/granite - Schultze Granite (Inspiration) C80:03
1094		60.80	— KA/musc/vein - Globe-Miami vein (Pinal Ranch) C80:24
1097	**	60.90	— KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Inspiration) C80:42
1099		61.00	-- KA/biot/granite - Schultze Granite (Pinal Ranch) C80:06
1100		61.00	-- KA/biot/granite - Schultze Granite (Inspiration) C80:14
1101		61.00	-- KA/musc/vein - Globe-Miami vein (Pinal Ranch) C80:25
1103		61.30	— KA/biot/granite - Schultze Granite (Inspiration) C80:11
1106		61.60	-- KA/musc/vein - Globe-Miami vein (Pinal Ranch) C80:31
1107	**	61.60	— KA/biot/granite - Solitude Granite (Pinal Ranch) C80:61
1109		61.70	-- KA/biot/granite - Schultze Granite (Inspiration) C80:04
1110		61.80	— KA/musc/vein - Globe-Miami vein (Pinal Ranch) C80:26
1113		62.00	-- KA/biot/granite - Schultze Granite (Globe) C80:08
1114		62.00	— KA/musc/vein - Globe-Miami vein (Pinal Ranch) C80:23
1117	**	62.20	-- KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Inspiration) C80:20
1118		62.40	-- KA/musc/vein - Globe-Miami vein (Inspiration) C80:27
1121		62.50	-- KA/biot/granite - Schultze Granite (Pinal Ranch) C80:02
1122		62.50	— KA/biot/granodiorite - Tea Cup Granodiorite (Grayback) C84:2
1130	**	63.10	-- KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Inspiration) C80:17
1131		63.10	— KA/musc/vein - Globe-Miami vein (Pinal Ranch) C80:30
1135	**	63.60	-- KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Inspiration) C62:08
1137	**	63.70	— KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Inspiration) C80:16
1149		64.40	— KA/biot/granite - Schultze Granite (Inspiration) C80:09
1157		64.70	— KA/musc/vein - Globe-Miami vein (Inspiration) C80:32
1164	**	65.20	-- KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Globe) C80:19
1170	**	65.40	-- KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Inspiration) C80:38

Globe-Miami area (cont.)

1181 ** 66.30 — KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Inspiration) C80:18
1209 68.60 -- KA/biot/granodiorite - Tea Cup Granodiorite (Grayback) C84:1
1244 ** 71.20 — KA/musc/granite - Solitude Granite (Pinal Ranch) C80:60
1248 ** 71.40 -- KA/biot/granodiorite - Willow Spring Granodiorite (Inspiration) C80:52
1292 74.60 — KA/orth/granite - Schultze Granite (Inspiration) PED-05-59
1325 ** 89.70 -- KA/biot/granodiorite - Willow Spring Granodiorite (Inspiration) C80:48
1339 ** 120.00 — KA/biot/granodiorite - Willow Spring Granodiorite (Inspiration) C80:45
1345 ** 129.00 — KA/biot/granodiorite - Willow Spring Granodiorite (Inspiration) C80:50
1387 ** 235.00 — KA/biot/granodiorite - Willow Spring Granodiorite (Inspiration) C80:53
1392 ** 304.00 -- KA/plag/granite - Schultze Granite (Inspiration) PED-05-59
1399 ** 361.00 — KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Inspiration) C80:43
1402 ** 515.00 -- KA/biot/granodiorite - Willow Spring Granodiorite (Inspiration) C80:54
1408 ** 683.00 — KA/biot/granodiorite - Willow Spring Granodiorite (Inspiration) C80:49
1412 ** 760.00 -- KA/biot/granodiorite - Willow Spring Granodiorite (Inspiration) C80:47
1415 ** 799.00 — KA/biot/granodiorite - Willow Spring Granodiorite (Inspiration) C80:55
1419 ** 821.00 -- KA/biot/diorite - Madera Diorite (Inspiration) C80:58
1420 ** 822.00 — KA/horn/diabase - Diabase (Inspiration) C80:34
1432 ** 915.00 -- KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Inspiration) C80:41
1435 ** 921.00 -- KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Globe) C80:40
1443 1050.00 -- KA/biot/diabase - Diabase (Inspiration) B72:23
1445 1052.00 -- KA/biot/diabase - Diabase (Inspiration) C80:35
1450 1068.00 -- KA/biot/diabase - Diabase (Inspiration) C80:37
1452 ** 1074.00 -- KA/biot/aplite - Lost Gulch (?) aplite (Inspiration) C80:57
1456 ** 1106.00 — KA/biot/quartz monzonite - Lost Gulch Quartz Monzonite (Globe) C80:39
1477 ** 1272.00 — KA/musc/aplite - Lost Gulch (?) aplite (Globe) C80:56
1528 1416.00 -- KA/biot/granite - Ruin Granite (Inspiration) C80:44
1628 ** 1871.00 — KA/biot/granodiorite - Willow Spring Granodiorite (Inspiration) C80:51

Goldfield Mtns.

357 15.53 — KA/w.r./basaltic andesite - Superstition volcanics (Stewart Mtn.) UAKA-77-146
431 18.15 — KA/w.r./basalt - Superstition volcanics (Stewart Mtn.) UAKA-77-144
437 18.31 -- KA/w.r./basalt - Superstition volcanics (Stewart Mtn.) UAKA-77-145

Grand Canyon

1 0.01 -- KA/w.r./basalt - Vulcans Throne basalt (Vulcans Throne) PED-46-66
36 1.18 -- KA/w.r./basalt - Lower Canyon basalt (Vulcans Throne) PED-05-65
1321 ** 86.00 — PB/uran/mineralization - Orphan breccia pipe (Bright Angel) K-168
1350 ** 139.00 -- PB/uran/mineralization - Orphan breccia pipe (Bright Angel) 8
1414 ** 790.00 — KA/w.r./basalt - Cardenas Lavas (Vishnu Temple) B-4
1417 ** 801.00 — KA/w.r./basalt - Cardenas Lavas (Vishnu Temple) TB-6
1418 ** 820.00 -- KA/w.r./basalt - Cardenas Lavas (Vishnu Temple) B-8
1423 ** 843.00 — KA/w.r./basalt - Cardenas Lavas (Vishnu Temple) EM:1
1424 ** 853.00 -- KA/w.r./basalt - Cardenas Lavas (Vishnu Temple)
1429 904.00 -- AR/w.r./diabase - Diabase (Powell Plateau) EM:AR1
1430 907.00 -- AR/pyro/diabase - Diabase (Powell Plateau) EM:AR2
1431 913.00 -- KA/pyro/diabase - Diabase (Vishnu Temple) EM:2
1438 954.00 — KA/plag/diabase - Diabase (Powell Plateau) EM:3
1439 ** 958.00 -- KA/biot/granite - Clear Creek granite (Bright Angel) EM:4
1449 1067.00 -- SR/w.r./basalt - Cardenas Lavas (Vishnu Temple) B-3 TO B-8
1451 1070.00 -- SR/w.r./diabase - Diabase (Havasupai Point) SEVERAL
1462 1155.00 — SR/w.r./diabase and basalt - Cardenas Lavas (Vishnu Temple) TIS-1
1473 ** 1255.00 -- KA/biot/schist - Vishnu Schist (Bright Angel) PED-11-57
1494 ** 1341.00 -- SR/mica/gneiss - Zoroaster gneiss (Bright Angel) A57:1
1496 ** 1349.00 -- KA/mica/gneiss - Zoroaster gneiss (Bright Angel) A57:1
1502 ** 1361.00 — SR/biot/schist - Vishnu Schist (Bright Angel) PED-11-57
1523 1415.00 — KA/musc/pegmatite - Vishnu Schist (Bright Angel) PED-07-57
1557 ** 1508.00 — SR/musc/pegmatite - Vishnu Schist (Bright Angel) PED-7-57
1593 1675.00 -- PB/mona/quartzofeldspathic gneiss - Vishnu Schist (Bright Angel)
1606 1705.00 — PB/zirc/granite - Zoroaster granite (Bright Angel)

Grand Wash Cliffs

137 5.45 — KA/w.r./basalt - Muddy Creek Fm. (Cane Springs) PED-36-66
1578 ** 1615.00 — KA/musc/pegmatite - Grand Wash Cliffs gneiss (Music Mtns. NE) A-8A
1602 1698.00 — KA/horn/gneiss - Grand Wash Cliffs gneiss (Music Mtns. NE) A-7

Grand Wash area

123 4.73 -- KA/w.r./basalt - Cottonwood basalt (Cane Springs) PED-35-66
173 6.87 -- KA/w.r./basalt - Cottonwood basalt (Cane Springs) PED-34-66
243 10.80 — FT/zirc/air-fall tuff - Rocks of Grand Wash trough (Iceberg Canyon) B84:41
250 11.10 -- FT/zirc/air-fall tuff - Rocks of Grand Wash trough (Iceberg Canyon) B84:43
261 11.60 -- FT/zirc/air-fall tuff - Rocks of Grand Wash trough (Iceberg Canyon) B84:42

Grand Wash area (cont.)

1564 ** 1559.00 — SR/biot/gneiss - Grand Wash Cliffs gneiss (Music Mtns. NE) A-6,7
1582 ** 1625.00 — SR/micr/pegmatite - Grand Wash Cliffs gneiss (Music Mtns. NE) A-3,4,8A,8C

Granite Wash Mtns.

1025 ** 55.00 — KA/biot/granite - Tank Pass granite (Utting) UAKA-77-63
1156 ** 64.60 — KA/musc/mica schist - Calcite Mine schist (Salome) HVR-1
1194 ** 67.10 — KA/w.r./phyllite - McCoy Mtns. Fm. (Salome) UAKA-77-64

Growler Mtns.

325 14.40 — KA/w.r./basalt - Growler volcanics (Growler Peak) 81AM204
326 14.40 — KA/w.r./basaltic andesite - Growler volcanics (Growler Peak) G85:1
351 15.40 — KA/w.r./basalt - Batamote Andesite (Growler Peak) ES:109
452 18.70 — KA/sani/rhyolite - Ajo volcanics (Kino Peak) AK2091
555 21.80 — KA/biot/andesite - Charlie Bell Pass andesite (Growler Peak) G85:2
564 22.00 — KA/biot/rhyodacite tuff - Ajo volcanics (Growler Peak) 81AM96
566 22.00 — KA/biot/andesite - Charlie Bell Pass andesite (Growler Peak) G85:2
635 23.80 -- KA/biot/andesite - Ajo volcanics (Growler Peak) G85:3
1520 1400.00 — KA/amph/pegmatite - Chico Shunie pegmatite (Growler Peak) G85:4

Gu Vo Hills

347 15.39 -- KA/w.r./basalt - Ajo volcanics (Diaz Peak) UAKA-72-41
360 15.71 — KA/w.r./rhyolite - Ajo volcanics (Diaz Peak) UAKA-72-40

Gunsight Hills

898 ** 32.30 — KA/biot/orthogneiss - Gunsight orthogneiss (Pisinimo) GH-46A
925 ** 35.60 — KA/mica/granodiorite - Gunsight Hills granodiorite (Mt. Ajo) T86:8
952 ** 40.10 — KA/mica/granodiorite - Gunsight Hills granodiorite (Mt. Ajo) T86:9
969 ** 47.00 — KA/biot/granodiorite - Gunsight Hills granodiorite (Mt. Ajo) UAKA-72-63
1073 59.40 — KA/horn/orthogneiss - Gunsight orthogneiss (Pisinimo) GH-46B

Hackberry Mtn. area

91 3.10 — KA/biot/tuff - Thirteenmile Rock Volcanics(?) (Horner Mtn. (?)) T07
176 7.40 — KA/w.r./basalt - Thirteenmile Rock Volcanics (Horner Mtn.) B02
182 7.70 — KA/w.r./andesite - Thirteenmile Rock Volcanics (Horner Mtn.) A4A
184 7.90 — KA/biot/dacite tuff - Thirteenmile Rock Volcanics (Horner Mtn.) T-1
191 8.30 — KA/w.r./basalt - Thirteenmile Rock Volcanics (Horner Mtn.) B01
192 8.30 — KA/w.r./basalt - Thirteenmile Rock Volcanics (Horner Mtn.) B05
193 8.30 — KA/w.r./basalt - Thirteenmile Rock Volcanics (Horner Mtn.) B03
195 8.50 — KA/w.r./basalt - Thirteenmile Rock Volcanics (Horner Mtn.) B-1
214 9.20 — KA/w.r./basalt - Thirteenmile Rock Volcanics (Horner Mtn.) B07
216 9.30 — KA/k-sp/dacite tuff - Thirteenmile Rock Volcanics (Horner Mtn.) T06
226 10.00 — KA/w.r./basalt - Thirteenmile Rock Volcanics (Horner Mtn.) B08
227 10.00 — KA/w.r./basalt - Thirteenmile Rock Volcanics (Horner Mtn.) B09
232 10.20 — KA/w.r./basalt - Thirteenmile Rock Volcanics (Horner Mtn.) B11
236 10.40 — KA/w.r./basalt - Thirteenmile Rock Volcanics (Horner Mtn.) B10
242 10.70 — KA/biot/dacite tuff - Thirteenmile Rock Volcanics (Horner Mtn.) T13
252 11.30 — KA/biot/dacite tuff - Thirteenmile Rock Volcanics (Horner Mtn.) T14
253 11.30 — KA/w.r./basalt - Thirteenmile Rock Volcanics (Horner Mtn.) B12
254 11.30 — KA/w.r./basalt - Hickey Fm. (Horner Mtn.) B23
258 11.40 — KA/w.r./basalt - Hickey Fm. (Horner Mtn.) B25
259 11.50 — KA/w.r./basalt - Hickey Fm. (Horner Mtn.) B22
260 11.50 — KA/w.r./basalt - Hickey Fm. (Horner Mtn.) B24
262 11.60 — KA/w.r./basalt - Hickey Fm. (Horner Mtn.) B17B
263 11.60 — KA/w.r./basalt - Hickey Fm. (Horner Mtn.) B18
264 11.60 — KA/w.r./basalt - Hickey Fm. (Horner Mtn.) B19
269 12.00 — KA/w.r./basalt - Hickey Fm. (Horner Mtn.) B15
270 12.00 — KA/w.r./basalt - Hickey Fm. (Horner Mtn.) B16
295 13.10 — KA/w.r./basalt - Hickey Fm. (Horner Mtn.) B21
327 ** 14.45 — KA/biot/dacite tuff - Hickey Fm. (Hackberry Mtn. (?)) BES-58-282

Harcuvar Mtns.

361 ** 15.77 — KA/w.r./K-rich volcanic - Bullard andesite (Smith Peak) UAKA-78-49
416 ** 17.50 -- KA/biot/mylonite - Harcuvar mylonite (Smith Peak) R82:2
705 ** 25.33 — KA/biot/gneissic granite - Harcuvar gneissic granite (Salome) UAKA-75-107
735 25.70 — KA/horn/diorite sill - Harcuvar diorite sill (Smith Peak) R82:1
961 ** 44.10 -- KA/biot/granite - Tank Pass granite (Salome) HVR-2
972 ** 47.50 -- KA/biot/granite - Tank Pass granite (Salome) UAKA-73-126
993 ** 51.00 — KA/biot/granite - Tank Pass granite (Salome) UAKA-77-65
1233 ** 70.30 -- KA/horn/amphibolite - Cunningham Pass gneiss (Salome) SJR-HV-78-1

Harquahala Mtns.

570 ** 22.10 — KA/biot/diorite dike - Harquahala diorite dike (Gladden) HLA-2
840 ** 28.60 — KA/horn/diorite dike - Harquahala diorite dike (Gladden) HLA-2
983 ** 49.50 — KA/biot/porphyritic granite - Harquahala granite (Gladden) 83-11-8-1
988 50.30 — SR/musc/granite - Sunset Pass two-mica granite (Gladden) 17-1 TO 17-3
1007 53.00 -- SR/w.r./granite - Sunset Pass two-mica granite (Gladden) 17-2, 17-3
1034 ** 56.10 — KA/biot/mylonitic schist - Harquahala thrust zone (Gladden) 83-11-8-5
1063 ** 58.40 — KA/biot/gneiss - Harquahala Mtns. gneiss (Gladden) 83-11-8-2
1123 ** 62.50 — KA/musc/mylonitic schist - Harquahala thrust zone (Gladden) 83-11-8-4
1403 ** 573.00 -- KA/musc/alaskite-pegmatite - White Marble Mine pegmatite (Gladden) 83-11-8-3

Hieroglyphic Mtns.

369 16.10 -- KA/biot/latite - Hells Gate latite (Governors Peak) 3-3-4
391 16.63 — KA/w.r./basaltic andesite - Hieroglyphic volcanics (Governors Peak) UAKA-78-40
453 18.70 — KA/w.r./rhyolite - Spring Valley rhyolite (Governors Peak) 3-3-3
500 ** 20.30 — KA/biot/latite - Hells Gate latite (Governors Peak) 3-2-1
1327 ** 94.70 -- KA/biot/diorite - Lake Pleasant diorite (Baldy Mtn.) UAKA-76-114
1344 ** 129.00 — KA/para/granodiorite - Spring Valley granodiorite (Governors Peak) UAKA-77-69
1411 ** 755.00 -- KA/plag/pegmatite - White Picacho pegmatite (Red Picacho) AWL-19-66F
1422 ** 825.00 — KA/plag/pegmatite - White Picacho pegmatite (Red Picacho) AWL-19-66C
1476 ** 1272.00 -- SR/ /pegmatite - White Picacho pegmatite (?) (Red Picacho (?)) A57:3
1481 ** 1284.00 -- KA/musc/pegmatite - White Picacho pegmatite (Red Picacho) AWL-16-66
1570 1582.00 — KA/spod/pegmatite - White Picacho pegmatite (Red Picacho) AWL-15-66
1574 1605.00 — KA/spod/pegmatite - White Picacho pegmatite (Red Picacho) AWL-15-66

Higley Basin

470 19.40 — KA/biot/tuff - Geothermal Kinetics volcanics (Higley) UAKA-74-130
948 39.40 -- KA/w.r./basaltic andesite - Geothermal Kinetics volcanics (Higley) UAKA-74-130

Hoover Dam area

284 12.70 — KA/phlo/lamprophyre - Hoover Dam lamprophyre (Hoover Dam) UAKA-85-38

Hopi Buttes

65 2.17 — FT/sphe/granodiorite xenolith - Hopi Buttes diatreme (Na Ah Tee Canyon) HB2
114 4.20 -- KA/w.r./basalt - Bidahochi Fm. (White Cone) KA-1027
144 5.70 — FT/apat/gabbro xenolith - Hopi Buttes diatreme (Indian Wells) HB1
172 6.86 -- KA/w.r./basalt - Bidahochi Fm. (White Cone) UAKA-73-133
245 ** 10.85 — KA/glas/air-fall tuff - Bidahochi Fm. (White Cone) UAKA-73-137
1559 ** 1547.00 -- SR/k-sp/granophyre xenolith - Coliseum diatreme (Na Ah Tee Canyon)

Huachuca Mtns.

974 47.80 — KA/seri/quartz vein - Reef Mine vein (Miller Peak) UAKA-75-115
1353 ** 144.00 — SR/w.r./welded tuff - Canelo Hills Volcanics (Huachuca Peak) HH-443
1354 147.00 — KA/biot/welded tuff - Canelo Hills Volcanics (Huachuca Peak) M73:65
1369 167.00 — KA/biot/quartz monzonite - Huachuca Quartz Monzonite (Montezuma Pass) M73:63
1373 169.00 — KA/biot/welded tuff - Canelo Hills Volcanics (Huachuca Peak) M73:69

Hualapai Mtns.

379 16.30 — KA/biot/granite - Milkweed Canyon granite (Milkweed Canyon SW) B-3367
1080 59.80 -- KA/biot/granite - Wikieup granite (Wikieup NW) B-3368
1195 67.20 — KA/musc/granite - Soap Canyon granite (Dean Peak) M-3429
1227 70.00 — KA/biot/granite - Cedar Wash granite (Dean Peak) B-3366
1254 71.50 — KA/biot/granite - Gunsight granite (Gunsight Canyon) B-3365
1407 ** 649.00 — KA/chlo/granite - Enterprise granite (Hualapai NE) UAKA-57-22
1448 ** 1058.00 — SR/w.r./gneissic quartz monzonite - Hualapai Mtns. gneiss (Greenwood Peak) A-40
1453 ** 1077.00 — SR/w.r./pegmatite - Hualapai Mtns. pegmatites (Hualapai Peak) P-1,-3,-10
1480 ** 1284.00 — SR/w.r./granite - Rattlesnake Hill granite (Rattlesnake Hill) RHD-8,-9,-10
1483 ** 1309.00 — SR/w.r./granite - Hualapai Mtns. med.-gr granite (Hualapai Peak) MG-6,-8,-12
1485 ** 1320.00 — KA/biot/granite - Rattlesnake Hill granite (Rattlesnake Hill) UAKA-21-57
1490 1335.00 -- SR/w.r./granite - Holy Moses granite (Kingman SE) SEVERAL
1506 1367.00 — SR/w.r./granite - Hualapai Mtns. granite (Hualapai Peak) SEVERAL
1625 1762.00 -- SR/w.r./granodiorite gneiss - Hualapai Mtns. gneiss (Hualapai Peak) GD-2,-3,-5

Hualapai Plateau

330 14.63 — KA/w.r./basalt - Blue Mtn. basalt (Grand Canyon Caverns) PED-30-66
411 17.40 — KA/w.r./basalt - Iron Mountain basalt (Garnet Mtn.) IM-83-1
454 18.76 — KA/sani/rhyodacitic tuff - Peach Springs Tuff (Peach Springs) PED-27-63
1513 1390.00 -- KA/biot/granite - Hualapai Plateau granite (Milkweed Canyon SW) UAKA-57-15

Jerome area

1553 ** 1493.00 — SR/w.r./volcanics - Green Gulch Volcanics (Poland Junction) L68:C
1554 ** 1498.00 -- SR/w.r./volcanics - Yavapai Supergroup (Poland Junction) L68:C,D,E
1560 ** 1547.00 — SR/w.r./volcanics - Iron King Volcanics (Hickey Mtn.) L68:D
1569 ** 1576.00 -- SR/w.r./rhyolite - Deception Rhyolite (Cottonwood) L68:A
1573 ** 1605.00 — SR/w.r./volcanics - Yavapai Supergroup (Cottonwood) L68:D
1611 1715.00 — PB/gale/mineralization - Jerome mineralization (Clarkdale) PED-46-60
1612 1715.00 -- PB/gale/mineralization - Jerome mineralization (Clarkdale) PED-47-60
1626 1800.00 — PB/zirc/rhyolite - Deception Rhyolite (Hickey Mt.) A71:1

Johnny Lyon Hills

1581 1625.00 -- PB/zirc/granodiorite - Johnny Lyon Granodiorite (Dragoon) L312

Juniper Mtns.

209 9.00 — KA/w.r./olivine basalt - Squaw Peak basalt (Cross Mtn. NE) BA78-52A
1491 ** 1340.00 -- KA/biot/granite - Chino Creek granite (Turkey Canyon) UAKA-59-25
1546 1460.00 — KA/musc/granite - Chino Creek granite (Turkey Canyon) UAKA-59-25

Kingman area

401 17.15 — KA/sani/ash-flow tuff - Kingman tuff (Kingman) PED-08-65
412 17.45 — KA/sani/ash-flow tuff - Kingman tuff (Kingman) PED-08-65
1482 ** 1297.00 -- SR/musc/pegmatite - Kingman pegmatite (Stockton Hill) A-23

Kofa Mtns.

438 18.31 — KA/w.r./basaltic andesite - Kofa volcanics (Kofa Butte) UAKA-73-108
484 19.80 -- KA/plag/dacite dike - Kofa dike (Kofa Butte) KA2535
562 21.90 — KA/plag/volcanic breccia - Eichelberger exotic breccia (Kofa Butte) KA2560
709 25.40 -- KA/w.r./andesite dike - Kofa dike (Kofa Butte) KA2533
549 21.68 — KA/w.r./basalt - Kofa volcanics (Kofa Butte) UAKA-73-19
473 19.50 — KA/w.r./rhyolite to rhyodacite - Kofa volcanics (Kofa Butte)
623 23.60 — KA/biot/rhyolite tuff - Kofa volcanics (Kofa Butte) UAKA-73-18
404 17.30 — KA/biot/volcanic rock - Kofa volcanics (Kofa Butte)

Laguna Mtns.

654 24.20 — KA/biot/tuff - Kinter Fm. (Laguna Dam) VAW-60-29
771 26.90 — KA/biot/tuff - Laguna volcanics (Laguna Dam) 5-15-55A
871 30.10 — KA/biot/rhyolite tuff - Laguna volcanics (Laguna Dam) UAKA-65-04

Lake Mead area

61 2.05 — KA/w.r./basalt - Sandy Point basalt (?) (Iceberg Canyon) PED-09-65
107 3.79 — KA/w.r./basalt - Sandy Point basalt (Meadview North) UAKA-64-08
108 3.80 — KA/w.r./basalt - Grand Wash Bay basalt (Iceberg Canyon) UAKA-65-09
118 ** 4.46 — KA/plag/camptonite dike - Camptonite dike (Ringbolt Rapids) PED-06-66
122 ** 4.70 — KA/kaer/camptonite dike - Camptonite dike (Ringbolt Rapids) A70:28
129 5.00 — KA/w.r./basalt - Muddy Creek Fm. (Ringbolt Rapids) BC405
132 ** 5.35 — KA/kaer/camptonite dike - Camptonite dike (Ringbolt Rapids) PED-06-66
148 5.84 — KA/w.r./basalt - Muddy Creek Fm. (Hoover Dam) UAKA-74-138
154 ** 5.98 — KA/w.r./camptonite dike - Camptonite dike (Ringbolt Rapids) PED-06-66
155 6.00 — KA/w.r./basalt - Muddy Creek Fm. (Black Canyon) A70:27
217 ** 9.53 — KA/w.r./camptonite dike - Camptonite dike (Ringbolt Rapids) PED-06-66
239 10.64 — KA/w.r./basalt - Muddy Creek Fm. (Hoover Dam) PED-11-64
246 10.90 -- KA/w.r./basalt - Muddy Creek Fm. (Senator Mtn.) 733C
277 12.30 -- KA/w.r./basalt - Mount Davis Volcanics (Hoover Dam) BC412
300 13.40 — KA/w.r./basalt - Mount Davis Volcanics (Fire Mtn.) BC424
1410 ** 712.00 — KA/musc/vein - White Hills vein (Senator Mtn.) 735
1421 ** 822.00 — KA/musc/vein - White Hills vein (Senator Mtn.) 735-1

Lake Pleasant area

754 26.48 — KA/w.r./K-rich volcanic - Lake Pleasant volcanics (New River) UAKA-78-39

Las Guijas

1208 68.60 — KA/horn/andesite - Las Guijas andesite (Arivaca) UAKA-77-50
869 30.03 -- KA/seri/veinlets - Las Guijas vein (Las Guijas) UAKA-75-105
886 31.43 -- KA/w.r./andesite dike - Las Guijas dike (Las Guijas) UAKA-75-105A

Little Ajo Mtns.

480		19.60	-- KA/biot/granite - Little Ajo Mtns. granite (Ajo) L-844
495		20.10	-- KA/horn/granite - Little Ajo Mtns. granite (Ajo) L-844
634		23.80	-- KA/biot/andesite breccia - Locomotive Fanglomerate (Ajo) 81AM176
729		25.70	-- KA/w.r./basalt - Ajo volcanics (Ajo) ES:108
915	**	34.00	-- KA/biot/quartz monzonite - New Cornelia stock (Ajo)
951	**	40.10	-- KA/biot/granodiorite - Mt. Ajo granodiorite (Mt. Ajo) UAKA-72-39
1136		63.60	-- KA/biot/quartz monzonite - New Cornelia stock (Ajo) L-843
1142		63.90	-- KA/biot/quartz monzonite - New Cornelia stock (Ajo) L-843
1153		64.60	-- KA/biot/pegmatite - New Cornelia pegmatite (Ajo) RM-02-62
1165		65.20	-- KA/biot/quartz monzonite - New Cornelia stock (Ajo) L-843

Little Dragoon Mtns.

881	**	31.00	-- KA/orth/quartz monzonite - Texas Canyon Quartz Monzonite (Galleta Flat East) PED-11-60
982	**	49.50	-- KA/biot/quartz monzonite - Texas Canyon Quartz Monzonite (Dragoon) PED-11-60
984	**	49.60	-- KA/musc/quartz monzonite - Texas Canyon Quartz Monzonite (Dragoon) PED-11-60
992	**	50.90	-- KA/biot/quartz monzonite - Texas Canyon Quartz Monzonite (Dragoon) PED-06-64
994	**	51.10	-- KA/biot/quartz monzonite - Texas Canyon Quartz Monzonite (Dragoon) M73:88
997	**	51.70	-- KA/biot/quartz monzonite - Texas Canyon Quartz Monzonite (Dragoon) PED-06-64
1011		53.30	-- KA/biot/quartz monzonite - Texas Canyon Quartz Monzonite (Dragoon) M73:88
1014		53.60	-- KA/musc/quartz monzonite - Texas Canyon Quartz Monzonite (Dragoon) PED-06-64
1019		54.60	-- SR/min./granite - Texas Canyon Quartz Monzonite (Dragoon) TC5,11,12,13
1028		55.40	-- KA/musc/quartz monzonite - Texas Canyon Quartz Monzonite (Happy Valley) PED-11-60
1238	**	70.40	-- KA/plag/quartz monzonite - Texas Canyon Quartz Monzonite (Dragoon) PED-11-60
1455		1100.00	-- PB/zirc/granophyre - Diabase (Dragoon)
1531		1420.00	-- PB/zirc/granite - Tungsten King Granite (Dragoon)
1597		1695.00	-- PB/zirc/metarhyolite - Pinal Schist (Dragoon)

Little Harquahala Mtns.

1037		56.50	-- KA/feld/felsic dike - Salome dike (Salome) AWL-7-83
1179	**	66.00	-- KA/biot/porphyritic granite - Little Harquahala monzodiorite (Hope) LHA-1
1183		66.50	-- KA/biot/granodiorite - Granite Wash granodiorite (Salome) UAKA-66-03
1242		70.80	-- KA/biot/granodiorite - Granite Wash granodiorite (Hope) ES:94
1351	**	140.00	-- KA/biot/granite - Sore Fingers granite (Lone Mtn.) UAKA-73-20

Long Point area

174		7.03	-- KA/w.r./basalt - Long Point basalt (Tin House) MM:4A
324		14.40	-- KA/w.r./basalt - Long Point basalt (Tin House) MM:4B

Lower Verde area

331		14.64	-- KA/w.r./basalt - Horseshoe Dam basalt (Horseshoe Dam) UAKA-78-38
336		14.78	-- KA/w.r./andesite - Bartlett Dam andesite (Bartlett Dam) UAKA-77-151

Lukachukai Mtns.

716		25.50	-- KA/biot/vogesite - Dineh bi Keyah sill (Lukachukai) 67-JDS-01
732		25.70	-- KA/biot/vogesite - Dineh bi Keyah sill (Lukachukai) 67-JDS-01B
882		31.00	-- KA/w.r./vogesite - Dineh bi Keyah sill (Lukachukai)
955	**	41.80	-- KA/sani/vogesite - Dineh bi Keyah sill (Lukachukai) 67-JDS-01B
958	**	42.10	-- KA/sani/vogesite - Dineh bi Keyah sill (Lukachukai) 67-JDS-01

Luke Basin

244		10.80	-- KA/w.r./basalt - Goodyear Farms basalt (El Mirage) ES:59
237		10.52	-- KA/w.r./basalt - Southwest Salt basalt (El Mirage) UAKA-73-139
1001	**	52.30	-- KA/w.r./basalt - Isabel No. 1 basalt (Calderwood Butte) ES:60
619		23.60	-- KA/w.r./basalt - Isabel No. 1 basalt (Calderwood Butte) ES:60

Maricopa Mtns.

510		20.44	-- KA/w.r./olivine basalt - Maricopa Mtns. basalt (Lost Horse Peak) UAKA-74-39

Mazatzal Mtns.

1571		1596.00	-- SR/w.r./granite - Mazatzal Mtns. granite (Theodore Roosevelt Dam) DEL-1 TO 3
1588		1640.00	-- PB/zirc/granite - Sunflower granite (Boulder Mtn.)
1596		1695.00	-- PB/zirc/rhyolite - Red Rock Group (Reno Pass)
1608		1710.00	-- PB/zirc/rhyolite breccia & tuff - Alder Group (Reno Pass) GR-,TFBRC

McCracken Mtns.

138		5.50	-- FT/zirc/tuff - Big Sandy Fm. (Beecher Canyon) R1-R3

Mescal Mtns.

1093 60.70 — KA/horn/granite - Granite Basin Porphyry (El Capitan) C84:3
1264 72.30 — KA/horn/rhyodacite porphyry - Granite Basin Porphyry (Christmas) GB-01

Mineral Mtn. area

362 15.82 — KA/horn/quartz latite intrusion - Mineral Mtn. quartz latite (Mineral Mtn.) M76:15
409 17.40 — KA/biot/quartz latite intrusion - Mineral Mtn. quartz latite (Mineral Mtn.) M76:15
1167 65.28 — SR/w.r./granodiorite - Grayback Granodiorite (Ninety Six Hills NW) SEVERAL
1188 ** 66.80 — KA/biot/granite - Mineral Mtn. two-mica granite (Mineral Mtn.) 77T40
1247 ** 71.40 — KA/biot/quartz monzonite - Mineral Mtn. quartz monzonite (Mineral Mtn.) 76T30
1340 ** 124.00 — KA/horn/quartz monzonite - Mineral Mtn. quartz monzonite (Mineral Mtn.) 76T30
1365 ** 162.00 — KA/biot/quartz monzonite - Mineral Mtn. quartz monzonite (Mineral Mtn.) KA-71-72
1454 1080.00 — KA/biot/diorite sill - Diabase (Mineral Mtn.) UAKA-65-03

Mohon Mtns.

187 8.00 -- KA/w.r./rhyolite - Mt. Hope rhyolite (Mt. Hope) MHS-8
197 8.50 -- KA/w.r./basalt - Mt. Hope basalt (Mt. Hope) FT-5

Morenci area

642 24.00 — FT/zirc/tuff - Noeh Mesa tuff (York Valley) TF2
727 25.70 -- FT/zirc/tuff - Noeh Mesa tuff (Big Lue Mts.) TF1
899 32.70 — FT/zirc/tuff - Clifton tuff (Clifton) TF4A
910 33.70 — KA/biot/tuff - Clifton tuff (Clifton) PED-12-65
1005 52.60 — KA/seri/breccia - Candelaria breccia pipe (Clifton) B-5
1036 56.50 -- KA/biot/monzonite - Morenci stock (Clifton) L-976
1048 57.40 — KA/biot/granite porphyry - Morenci stock (Clifton) B-6
1129 63.00 — KA/horn/diorite porphyry - Morenci diorite porphyry (Clifton) L-847
1161 64.80 — KA/horn/diorite porphyry - Morenci diorite porphyry (Clifton) L-847

Mt. Floyd area

71 2.40 — KA/biot/rhyodacite - Mt. Floyd rhyodacite (Mt. Floyd)
116 4.40 — KA/biot/rhyodacite - Mt. James rhyodacite (Mt. Floyd)
136 5.40 — KA/biot/rhyodacite - Mt. Rushmore rhyodacite (Crookton)
223 9.80 -- KA/horn/rhyodacite - Picacho Butte rhyodacite (Picacho Butte) F78-113

Mt. McDowell area

420 17.71 — KA/sani/rhyolite ash-flow tuff - Mt. McDowell volcanics (Granite Reef Dam) UAKA-77-149
429 ** 18.01 — KA/w.r./K-rich volcanic - Mt. McDowell volcanics (Granite Reef Dam) UAKA-77-148
450 ** 18.70 — KA/w.r./K-rich volcanic - Mt. McDowell volcanics (Granite Reef Dam) UAKA-77-147

Muggins Mtns.

585 22.50 — KA/biot/rhyolite tuff - Kinter Fm. (?) (Red Bluff Mtn.) UAKA-67-23
620 23.60 — KA/w.r./tuff - Muggins Mtns. volcanics (Red Bluff Mtn.) ES:110
1313 ** 80.00 — KA/biot/tuff - Muggins Mtns. volcanics (Wellton) ES:112

Mule Mtns.

1376 182.00 — SR/biot/granite - Juniper Flat Granite (Tombstone) C62:1
780 27.00 -- KA/biot/andesite dike - Guadalupe dike (Guadalupe Canyon) AWL-11-83
1374 171.00 -- KA/biot/granite - Juniper Flat Granite (Tombstone) M73:98

Music Mtns.

680 24.90 — KA/ / - Trout Creek volcanics (Meath Spring) Y79:2
1172 65.50 — KA/ /diorite - Clay Spring diorite (Music Mtns. NE) Y79:1
1551 ** 1485.00 — SR/min./quartz monzonite - Music Mtns. quartz monzonite (Music Mtns. NE) A-3
1587 1635.00 — KA/horn/quartz monzonite - Music Mtns. quartz monzonite (Music Mtns. NE) A-3

Natanes Plateau

813 28.00 -- KA/ /basaltic andesite - Natanes volcanics ( ) NP-1A

New River area

306 13.60 — KA/w.r./basalt dike - Daisy Mtn. dike (Daisy Mtn.) UAKA-78-43
332 14.67 — KA/w.r./basalt - Sugarloaf Mesa basalt (New River Mesa) UAKA-78-36
337 14.81 — KA/w.r./basalt - Skull Mesa basalt (New River Mesa) UAKA-77-106

Oak Creek Canyon

157 6.05 — KA/w.r./basalt - Oak Creek switchback basalt (Mountainaire) PED-54-66
168 6.55 — KA/w.r./basalt - Slide Rock basalt (Munds Park) UAKA-77-75
189 8.15 — KA/w.r./basalt - Oak Creek basalt (Wilson Mtn.) MM:2A
233 10.30 -- KA/w.r./basalt cobble - Slide Rock gravels (Wilson Mtn.) MM:2C
281 12.50 — KA/w.r./basalt cobble - Slide Rock gravels (Wilson Mtn.) MM:2E
286 12.87 -- KA/w.r./basalt cobble - Slide Rock gravels (Wilson Mtn.) MM:2D
628 23.70 — KA/w.r./latite cobble - Slide Rock gravels (Wilson Mtn.) MM:2B

Oracle area

1437 ** 946.00 — KA/orth/granite - Oracle Granite (Oracle) DEL-13-62
1511 1380.00 — KA/biot/granite - Oracle Granite (Oracle) DEL-13-62
1518 1400.00 — SR/plag/quartz monzonite - Oracle Granite (Campo Bonito) PED-2-58
1530 1419.00 -- SR/biot/granite - Oracle Granite (Campo Bonito) PED-2-58
1533 1425.00 — KA/musc/pegmatite - Oracle Granite pegmatite (Campo Bonito) PED-03-58
1534 1426.00 -- KA/plag/granite - Oracle Granite (Oracle) DEL-13-62
1535 1430.00 — KA/biot/granite - Oracle Granite (Campo Bonito) PED-02-58

Painted Rock Mtns.

428 18.00 — KA/w.r./basalt - Painted Rock basalt (Citrus Valley West) ES:100

Palo Verde Hills

395 16.87 -- KA/w.r./basaltic andesite - Palo Verde volcanics (Arlington) UAKA-73-94
423 17.90 — KA/w.r./basalt - Palo Verde volcanics (Arlington) UAKA-73-32
475 19.52 — KA/w.r./andesite - Palo Verde volcanics (Arlington) UAKA-73-21
476 19.58 — KA/w.r./basaltic andesite - Palo Verde volcanics (Arlington) UAKA-73-30
503 20.35 — KA/w.r./basaltic andesite - Palo Verde volcanics (Arlington) UAKA-73-29
504 20.36 -- KA/w.r./andesite dike - Palo Verde volcanics (Arlington) UAKA-73-31
525 20.70 — KA/w.r./basalt - Palo Verde volcanics (Arlington) UAKA-73-33

Palomas Plain

316 13.90 — KA/w.r./trachyte - Exxon State 14-1 volcanics (Hyder NE) UAKA-74-118
533 21.00 — KA/w.r./andesite - Exxon State 14-1 volcanics (Hyder NE) UAKA-72-54
536 ** 21.03 — KA/w.r./K-rich volcanic - Turtleback Mtn. volcanic (Turtleback Mtn.) UAKA-72-48
557 21.86 -- KA/w.r./aphanitic dike - Exxon State 14-1 volcanics (Hyder NE) UAKA-72-58
631 23.70 — KA/w.r./basalt - Exxon State 14-1 volcanics (Hyder NE) UAKA-74-117
867 30.00 — KA/w.r./basalt - Palomas Plain basalt (Palomas Mtns.) UAKA-72-47
1370 ** 167.00 -- KA/w.r./granite - Exxon State 14-1 granite (Hyder NE) UAKA-72-57
1447 ** 1056.00 -- SR/w.r./granite - Exxon State 14-1 granite (Hyder NE) UAKA-72-57

Paradise Valley

586 ** 22.60 — KA/w.r./K-rich volcanic - Biery No. 1 Federal volcanics (Currys Corner) ES:62
592 ** 22.65 — KA/w.r./K-rich volcanic - Biery No. 1 Federal volcanics (Currys Corner) UAKA-74-148

Patagonia Mtns.

621 23.60 -- KA/biot/rhyolite tuff - Patagonia tuff (Harshaw) M73:51
736 25.83 — KA/biot/ash-flow tuff - Patagonia tuff (Cumero Canyon) PED-10-62
763 26.70 -- KA/biot/rhyolite tuff - Patagonia tuff (Cumero Canyon) M73:52
804 27.70 — KA/horn/rhyolite tuff - Patagonia tuff (Harshaw) M73:51
1075 59.50 — KA/biot/granodiorite - Patagonia granodiorite (Harshaw) M73:53
1076 59.50 — KA/horn/granodiorite - Patagonia granodiorite (Harshaw) M73:53
1077 59.50 -- KA/biot/quartz monzonite - Patagonia granodiorite (Duquesne) M73:54
1119 62.50 — KA/biot/granodiorite - Four Metals breccia pipe (Harshaw) UAKA-77-29
1168 65.40 -- KA/biot/quartz diorite - Patagonia quartz diorite (Harshaw) RM-07-63
1368 164.00 — KA/biot/quartz monzonite - Mt. Benedict Quartz Monzonite (Nogales) M73:57
1371 168.00 — KA/horn/quartz monzonite - Mt. Benedict Quartz Monzonite (Nogales) M73:57

Payson area

273 12.10 — KA/w.r./basalt - Buckhead Mesa basalt (Buckhead Mesa) UAKA-73-79
1605 1703.00 -- PB/zirc/granite - Payson Granite (Payson North)
1617 1738.00 — PB/zirc/mafic granodiorite - Gibson Creek batholith (Payson South)

Peacock Mtns. area

313 13.80 — KA/w.r./andesite - Peacock Mtns. volcanics (Tin Mtn. NW) F78-64
519 ** 20.50 — KA/biot/dacite - Peacock Mtns. volcanics (Tin Mtn. NW) F78-59

Pearce area

612 23.40 — KA/biot/granodiorite - Pearce granodiorite (Pearce) UAKA-72-67

Pedregosa Mtns.

96 3.30 -- KA/w.r./basalt - Bernardino older basalt (Pedregosa Mtns.) UAKA-72-61

Peloncillo Mtns.

406 17.30 — KA/sani/rhyolite - Tollgate Wash rhyolite (Guthrie) R83:J
461 19.10 — KA/sani/rhyolite pyroclastic flow - Gila Box rhyolite (Guthrie) R83:A
471 19.40 -- KA/w.r./andesite - Guthrie Peak andesite (Guthrie) R83:C
508 20.40 -- KA/w.r./porphyritic andesite - Turkey Track porphyry (?) (Guthrie) R83:H
540 21.20 -- KA/w.r./rhyolite - Guthrie low-silica rhyolite (Guthrie) R83:B
554 21.80 -- KA/w.r./andesite - Guthrie Peak andesite (Guthrie) R83:G
574 22.20 — KA/w.r./andesite - Guthrie Peak andesite (Guthrie) R83:F
590 22.60 -- KA/w.r./andesite - Guthrie Peak andesite (Guthrie) R83:E
603 23.10 -- KA/biot/rhyolite - Ash Peak Canyon rhyolite (Guthrie) R83:I
632 23.70 -- KA/w.r./andesite - Guthrie Peak andesite (Guthrie) R83:D
657 24.26 — KA/sani/rhyolite tuff - Guadalupe Canyon tuff (Guadalupe Canyon) 5
748 26.20 -- KA/ /volcanic rock - Peloncillo volcanics (Guthrie (?)) PC-1B
809 27.90 — FT/zirc/tuff - Guadalupe Canyon tuff (Guadalupe Canyon) ED294

Petrified Forest area

1388 ** 236.00 — SR/w.r./rhyolite pebbles - Chinle Formation (Carrizo Butte)

Phoenix Mtns. area

417 17.56 — KA/w.r./basaltic andesite - Tempe Butte basaltic andesite (Tempe) UAKA-78-34
465 19.20 -- KA/w.r./basalt - Lookout Mtn. basalt (Sunnyslope) UAKA-74-149
516 20.50 -- KA/w.r./basalt - John Jacobs No. 2 basalt (Glendale) ES:58

Picacho Basin

338 14.90 — KA/w.r./K-rich volcanic - Picacho Peak volcanics (?) (Eloy North) UAKA-73-140
344 ** 15.10 -- KA/w.r./K-rich volcanic - Picacho Peak volcanics (Picacho Reservoir) UAKA-73-140
408 17.40 — KA/w.r./basalt - Picacho Peak volcanics (?) (Picacho Reservoir) ES:05
730 ** 25.70 -- KA/biot/foliated granite - Oracle Granite (?) (Eloy North) ES:05
1470 ** 1248.00 — SR/w.r./granite - Oracle Granite (Eloy North) ES:5

Picacho Mtns.

624 ** 23.60 — KA/biot/granite - Newman Peak granite (Picacho Reservoir)
660 24.35 — KA/biot/granodiorite - Picacho Mtns. granite (Picacho Reservoir SE) UAKA-73-64
1159 64.70 — KA/biot/granodiorite - Cactus Forest granodiorite (Cactus Forest)
1191 67.00 — KA/biot/granite - Section 29 granite (Cactus Forest)

Picacho Peak

388 ** 16.60 — FT/zirc/K-rich volcanic - Picacho Peak volcanics (Newman Peak)
529 ** 20.74 — KA/w.r./K-rich volcanic - Picacho Peak volcanics (Newman Peak) UAKA-75-29
580 22.42 — KA/horn/K-rich volcanic - Picacho Peak volcanics (Newman Peak) UAKA-75-85
581 22.42 -- KA/w.r./K-rich volcanic - Picacho Peak volcanics (Newman Peak) UAKA-75-28
582 22.44 -- KA/w.r./K-rich volcanic - Picacho Peak volcanics (Newman Peak) UAKA-75-27
591 ** 22.63 -- KA/w.r./K-rich volcanic - Picacho Peak volcanics (Newman Peak) UAKA-75-76

Pinal Mtns.

1405 ** 612.00 -- KA/musc/granite - Solitude Granite (Pinal Peak) C80:59
1519 ** 1400.00 — KA/musc/schist - Pinal Schist (El Capitan Mtn.) UAKA-59-01
1547 ** 1463.00 -- SR/min./quartz diorite - Madera Diorite (Pinal Peak) DEL-12-65
1561 ** 1547.00 — SR/plag/quartz diorite - Madera Diorite (Pinal Peak) DEL-16-65
1577 1611.00 — KA/musc/pegmatite - Pinal Mtns. pegmatite (El Capitan Mtn.) PED-03-59
1580 1620.00 — KA/musc/pegmatite - Pinal Mtns. pegmatite (El Capitan Mtn.) UAKA-59-01
1591 1665.00 -- KA/biot/quartz diorite - Madera Diorite (El Capitan Mtn.) PED-02-59
1595 1693.00 — SR/w.r./quartz diorite - Madera Diorite (Pinal Peak) DEL-9 TO 13

Pinaleno Mtns.

669 24.65 — KA/biot/rhyodacite dike - Eagle Pass dike (Buford Hills) UAKA-74-129
825 ** 28.30 — KA/w.r./ultramylonite - Pinaleno ultramylonite (Thatcher) GR-MY-1
931 36.50 -- KA/biot/granite - Gillespie granite (Stockton Pass) UAKA-73-147
1396 ** 325.00 -- KA/chlo/granitic gneiss - Pinaleno Mtns. gneiss (?) (Fort Grant) UAKA-60-12
1427 ** 875.00 — KA/biot/granite - Ladybug Saddle granite (Mt. Graham) PN-1
1442 ** 1042.00 -- SR/w.r./pegmatite - Stockton Pass granite (Stockton Pass) 73-49 to -51

Pinaleno Mtns. (cont.)

1489 1333.00 -- SR/w.r./gneissic granite - Stockton Pass granite (Stockton Pass) JD-2 TO 7
1500 1355.00 -- SR/w.r./quartz monzonite - Stockton Pass granite (Stockton Pass) SEVERAL
1509 1375.00 -- SR/w.r./granite - Stockton Pass granite (Stockton Pass) SEVERAL

Plomosa Mtns.

403 17.24 -- KA/w.r./basalt - Plomosa mesa-capping basalt (Quartzsite) UAKA-74-37
472 19.41 -- KA/biot/rhyolite - Plomosa volcanics (Quartzsite) UAKA-74-38
478 19.60 -- KA/horn/rhyodacite - Plomosa volcanics (Quartzsite) QQ
524 20.70 -- KA/biot/rhyodacite - Plomosa volcanics (Quartzsite) QQ
667 24.60 -- KA/biot/rhyolitic tuff - Plomosa volcanics (Bouse) ES:91

Poachie Range

1395 ** 312.00 -- KA/biot/granitic gneiss - Poachie Range gneiss (Arrastra Mtn. NE) PED-23-57
1398 ** 337.00 -- KA/biot/granitic gneiss - Poachie Range gneiss (Arrastra Mtn. NE) PED-23-57
1526 1416.00 -- PB/zirc/quartz monzonite - Nothing granite (Arrastra Mtn. NE)
1527 1416.00 -- PB/zirc/quartz monzonite - Nothing granite (Arrastra Mtn. NE)
1607 1709.00 -- PB/zirc/metarhyolite - Dick Rhyolite (?) (Arrastra Mtn. NE)
1610 1711.00 -- PB/zirc/granodiorite gneiss - Poachie Range gneiss (Arrastra Mtn.)

Prescott area

301 13.40 -- KA/w.r./basalt - Hickey Fm. (Prescott) PR3
311 13.80 -- KA/w.r./basalt - Hickey Fm. (Prescott) PR2
1401 ** 480.00 -- SR/biot/schist - Yavapai Supergroup (Prescott) UAKA-57-04
1413 ** 766.00 -- KA/biot/schist - Yavapai Supergroup (Prescott) UAKA-57-04
1458 ** 1110.00 -- KA/biot/granite - Dells Granite (Prescott) UAKA-57-06
1484 ** 1310.00 -- SR/w.r./granite - Dells Granite (Prescott) CAA-8
1501 ** 1360.00 -- KA/biot/granodiorite - Prescott granodiorite (Prescott) CAA-6
1517 1400.00 -- PB/zirc/granite - Dells Granite (Prescott)
1619 1740.00 -- PB/zirc/granodiorite - Government Canyon Granodiorite (Prescott) A71:6

Quinlan Mtns.

816 ** 28.10 -- KA/biot/granite - Kitt Peak granite (Kitt Peak) PED-02-62

Quitobaquito Hills

1017 54.50 -- KA/biot/ultramylonite - Quitobaquito mylonite (Agua Dulce Mtns.) OP-799B
1023 54.90 -- KA/mica/ultramylonite - Quitobaquito mylonite (Agua Dulce Mtns.) OP-799
1026 55.00 -- KA/mica/ultramylonite - Quitobaquito mylonite (Agua Dulce Mtns.) OP-799
1061 58.30 -- KA/w.r./ultramylonite - Quitobaquito mylonite (Quitobaquito Springs) OP-799E
1062 58.30 -- KA/w.r./ultramylonite - Quitobaquito mylonite (Quitobaquito Springs) OP-799E
1066 58.60 -- KA/biot/ultramylonite - Quitobaquito mylonite (Agua Dulce Mtns.) OP-799A
1079 59.70 -- KA/biot/mylonite gneiss - Quitobaquito mylonite (Quitobaquito Springs) OP-799I-1
1084 59.90 -- KA/biot/ultramylonite - Quitobaquito mylonite (Quitobaquito Springs) OP-799H

Rawhide Mtns.

999 ** 52.20 -- KA/biot/biotite schist - Rawhide Mtns. gneiss (Artillery Peak) UAKA-75-61
1054 ** 57.60 -- KA/horn/gneiss - Rawhide Mtns. gneiss (Artillery Peak) UAKA-75-61

Ray area

333 ** 14.70 -- KA/biot/ash-flow tuff - Big Dome Fm. (Kearny) B72:22B
378 16.30 -- KA/w.r./rhyolite - Sleeping Buffalo Rhyolite (Teapot Mtn.) C83:2
405 17.30 -- KA/biot/tuff - Teapot Mtn. older tuff (Teapot Mtn.) C83:4
415 17.50 -- KA/w.r./rhyolite - Sleeping Buffalo Rhyolite (Teapot Mtn.) C83:3
418 17.60 -- KA/horn/ash-flow tuff - Big Dome Fm. (Kearny) B72:22H
457 18.90 -- KA/w.r./rhyolite - Road Runner Rhyolite (Teapot Mtn.) C83:1
903 33.20 -- KA/biot/air-fall tuff - Whitetail Conglomerate (Hot Tamale Peak) B72:21
924 ** 35.20 -- FT/apat/granodiorite - Granite Mtn. Porphyry (Teapot Mtn.) BAS:14
1078 59.70 -- SR/biot/felsic porphyry - Granite Mtn. Porphyry (Teapot Mtn.) 4265
1095 60.80 -- KA/biot/quartz monzonite - Granite Mtn. Porphyry (Teapot Mtn.) L-850
1098 61.00 -- KA/biot/granodiorite - Granite Mtn. Porphyry (Teapot Mtn.) B72:14
1111 ** 61.90 -- FT/apat/diabase - Diabase (Hot Tamale Peak) BAS:27
1126 62.90 -- FT/sphe/granodiorite - Granite Mtn. Porphyry (Teapot Mtn.) BAS:14
1133 63.30 -- FT/garn/granodiorite - Grayback Granodiorite (Grayback) BAS:26
1138 63.70 -- KA/biot/rhyodacite dike - Pre-Granite Mtn. Porphyry dike (Teapot Mtn.) B72:12
1154 64.60 -- KA/orth/quartz monzonite - Teapot Mtn. Porphyry (Teapot Mtn.) B72:17
1155 64.60 -- KA/biot/granodiorite - Granite Mtn. Porphyry (Teapot Mtn.) B72:14
1187 66.80 -- KA/biot/vein - Ray vein (Sonora) B72:20
1196 67.30 -- KA/biot/vein - Ray vein (Sonora) B72:19
1206 68.50 -- SR/biot/felsic porphyry - Granite Mtn. Porphyry (Teapot Mtn.) 4263

Ray area (cont.)

1232	**	70.30	-- KA/biot/quartz diorite - Madera Diorite (Teapot Mtn.) B72:25
1234		70.30	— KA/biot/diorite - Tortilla Quartz Diorite (Sonora) UAKA-70-06
1235		70.40	-- FT/sphe/granodiorite - Rattler Granodiorite (El Capitan Mtn.) BAS:10
1240		70.60	— FT/apat/granodiorite - Rattler Granodiorite (El Capitan Mtn.) BAS:10
1250		71.50	-- FT/apat/tonalite - Tortilla Quartz Diorite (Hot Tamale Peak) BAS:2
1259		72.00	-- FT/zirc/quartz diorite - Tortilla Quartz Diorite (Hot Tamale Peak) BAS:3
1260		72.00	-- FT/zirc/tonalite - Tortilla Quartz Diorite (Hot Tamale Peak) BAS:2
1265		72.40	— KA/biot/quartz diorite - Tortilla Quartz Diorite (Sonora) B72:03
1277		73.10	— KA/biot/tonalite - Tortilla Quartz Diorite (Sonora) B72:05
1278		73.30	— KA/biot/tonalite - Tortilla Quartz Diorite (Sonora) B72:02B
1291		74.60	-- FT/apat/quartz diorite - Tortilla Quartz Diorite (Hot Tamale Peak) BAS:3
1316	**	82.00	— KA/biot/tonalite - Tortilla Quartz Diorite (Teapot Mtn.) B72:04
1320	**	85.20	-- KA/horn/tonalite - Tortilla Quartz Diorite (Sonora) B72:02H
1328	**	96.00	— KA/horn/quartz diorite - Tortilla Quartz Diorite (Sonora) B72:08B
1330	**	100.00	-- KA/biot/quartz diorite - Madera Diorite (Sonora) B72:24B
1337	**	113.00	— KA/horn/quartz diorite - Tortilla Quartz Diorite (Sonora) B72:08A
1347	**	131.00	— KA/horn/porphyritic andesite - Ray hornblende andesite (Sonora) B72:01
1390	**	291.00	— KA/horn/quartz diorite - Tortilla Quartz Diorite (Teapot Mtn.) B72:07
1586		1635.00	-- KA/horn/quartz diorite - Madera Diorite (Sonora) B72:24H

Rincon Mtns.

560	**	21.90	— KA/biot/quartz monzonite - Wrong Mtn. Quartz Monzonite (Piety Hill) M78:101
607	**	23.30	-- FT/apat/granite - Wrong Mtn. Quartz Monzonite (Galleta Flat West) 71D17
651	**	24.10	— KA/biot/quartz monzonite - Wrong Mtn. Quartz Monzonite (Galleta Flat West) M73:80
658		24.30	-- KA/w.r./dike - Happy Valley dike (Happy Valley) UAKA-74-83
666	**	24.60	— FT/zirc/granite - Wrong Mtn. Quartz Monzonite (Galleta Flat West) 71D17
684	**	25.00	-- FT/zirc/granite - Wrong Mtn. Quartz Monzonite (Rincon Valley) 73D52
687	**	25.00	— KA/biot/granite - Wrong Mtn. Quartz Monzonite (Rincon Valley) 73D52
693		25.10	-- KA/w.r./rhyolite - Mineta Fm. (Soza Canyon) UAKA-78-33
701	**	25.30	— FT/apat/granite - Wrong Mtn. Quartz Monzonite (Rincon Valley) 73D52
708	**	25.40	— KA/musc/quartz monzonite - Wrong Mtn. Quartz Monzonite (Galleta Flat West) M73:80
710	**	25.40	— KA/biot/pegmatite - Wrong Mtn. pegmatite (?) (Happy Valley) UAKA-74-80
744	**	26.10	-- FT/apat/granodiorite - Continental Granodiorite (Tanque Verde Peak) 74D62
770		26.90	— KA/biot/granodiorite - Happy Valley Granodiorite (Galleta Flat West) M73:81
773		26.92	— KA/plag/andesite porphyry - Turkey Track porphyry (Soza Canyon) PED-03-69
799	**	27.60	— KA/biot/granite - Espiritu Canyon granite (Soza Canyon) 71D194
806	**	27.70	— KA/musc/schist - Rincon Mtns. schist (Rincon Valley) PED-29-60
812		28.00	— KA/biot/granodiorite - Happy Valley Granodiorite (Happy Valley) M73:82
834	**	28.50	— KA/musc/granite - Espiritu Canyon granite (Soza Canyon) 71D194
853	**	29.10	— KA/biot/schist - Rincon Mtns. schist (Happy Valley) M73:84
859	**	29.60	— KA/musc/schist - Rincon Mtns. schist (Happy Valley) M73:85
906	**	33.50	— KA/musc/pegmatite - Wrong Mtn. Quartz Monzonite (Rincon Valley) PED-30-60
918	**	34.60	— KA/biot/schist - Rincon Mtns. schist (Happy Valley) M73:85
923	**	35.10	— KA/musc/quartz monzonite - Wrong Mtn. Quartz Monzonite (Piety Hill) M78:101
937	**	37.70	— KA/musc/pegmatite - Happy Valley pegmatite (Happy Valley) M73:83
966		45.80	— KA/musc/quartz monzonite - Wrong Mtn. Quartz Monzonite (Bellota Ranch) M78:102
1024	**	55.00	-- FT/apat/granodiorite - Continental Granodiorite (Tanque Verde Peak) 74D57
1416	**	800.00	— FT/zirc/granodiorite - Continental Granodiorite (Tanque Verde Peak) 74D57
1492	**	1340.00	-- KA/biot/granodiorite - Rincon Valley Granodiorite (Rincon Valley) 74D62
1514		1390.00	— KA/musc/granodiorite - Rincon Valley Granodiorite (Rincon Valley) 74D57
1516		1395.00	-- KA/biot/granodiorite - Rincon Valley Granodiorite (Rincon Valley) 74D57
1521		1410.00	— SR/min./granodiorite - Rincon Valley Granodiorite (Tanque Verde Peak) 74D62
1525		1415.00	-- KA/musc/granodiorite - Rincon Valley Granodiorite (Rincon Valley) 74D62
1545		1460.00	— KA/biot/granite - Rincon Valley Granodiorite (Rincon Valley) M73:87
1562		1550.00	-- KA/biot/quartz monzonite - Rincon Valley Granodiorite (Happy Valley) M73:86
1567		1570.00	— KA/horn/granite - Rincon Valley Granodiorite (Rincon Valley) M73:87

Roskruge Mtns.

224		9.86	-- KA/w.r./basalt dike - Roskruge Mtns. dike (Cocoraque Butte) MB-17-64
247		10.99	— KA/w.r./basalt - Brawley Wash basalt (Three Points) MB-07-64
290		12.93	— KA/sani/ash-flow tuff - Recortado tuff (Cocoraque Butte) MB-03-64
291		12.96	— KA/sani/ash-flow tuff - Recortado tuff (Cocoraque Butte) MB-02-67
322		14.25	— KA/sani/ash-flow tuff - Recortado tuff (Cocoraque Butte) MB-03-64
335		14.74	— KA/w.r./basaltic andesite - Three Points basaltic andesite (Three Points) MB-13-64
639		23.91	— KA/w.r./basaltic andesite - Dobbs Buttes volcanics (San Pedro) MB-06-64
647		24.08	— KA/w.r./basaltic andesite - Dobbs Buttes volcanics (Three Points) MB-12-64
726		25.65	-- KA/w.r./dacite tuff - Dobbs Buttes volcanics (San Pedro) UAKA-77-62
922		34.90	— KA/plag/granodiorite - La Tortuga Butte granodiorite (La Tortuga Butte) MB-09-64
991	**	50.80	— KA/w.r./basaltic andesite - Roadside Fm. (San Vicente) UAKA-77-60
1185	**	66.70	-- KA/w.r./andesite - Roadside Fm. (Cocoraque Butte) MB-02-65
1189		66.90	— KA/plag/ash-flow tuff - Roskruge Volcanics (Cocoraque Butte) MB-15-64
1230		70.30	-- KA/biot/granodiorite - Cocoraque Butte granodiorite (Cocoraque Butte) MB-10-64
1231		70.30	— KA/biot/ash-flow tuff - Roskruge Volcanics (Cocoraque Butte) MB-14-64

Roskruge Mtns. (cont.)

1236 70.40 — KA/sani/ash-flow tuff - Roskruge Volcanics (Cocoraque Butte) MB-15-64
1237 70.40 — KA/biot/ash-flow tuff - Roskruge Volcanics (Cocoraque Butte) MB-01-65
1246 71.40 — KA/biot/ash-flow tuff - Roskruge Volcanics (Cocoraque Butte) MB-01-64
1255 71.70 — KA/biot/ash-flow tuff - Roskruge Volcanics (Cocoraque Butte) MB-14-64
1256 71.90 — KA/biot/quartz latite - Roskruge Volcanics (?) (Vaca Hills) VHSE-7N
1273 73.00 — KA/biot/ash-flow tuff - Roskruge Volcanics (Cocoraque Butte) MB-01-64
1283 73.80 — KA/biot/ash-flow tuff - Roskruge Volcanics (Cocoraque Butte) MB-15-64
1287 74.20 — KA/biot/ash-flow tuff - Roskruge Volcanics (Cocoraque Butte) MB-15-64
1298 75.80 — KA/biot/ash-flow tuff - Roskruge Volcanics (Cocoraque Butte) PED-12-61
1300 76.00 — KA/biot/ash-flow tuff - Roskruge Volcanics (Cocoraque Butte) MB-05-64
1335 111.00 — KA/w.r./andesite - Cocoraque Fm. (Cocoraque Butte) MB-16-64

Sacaton Mtns.

985 ** 49.80 — KA/biot/granite - Sacaton Peak granite (Casa Grande East) KA-71-42
1127 62.90 — KA/biot/granite - Sacaton Peak granite (Sacaton) KA-71-73
1171 65.50 — KA/biot/monzonite porphyry - Three Peaks monzonite (Casa Grande West) PED-12-70
1279 73.40 — KA/biot/monzonite - Three Peaks monzonite (Casa Grande West) KA-71-69
1425 ** 854.00 — KA/w.r./diabase - Diabase (Gila Butte SE) KA-71-71
1426 ** 870.00 — KA/musc/granite - Sacaton granite (Casa Grande West) KA-71-70
1472 ** 1253.00 — KA/biot/granite - Oracle Granite (Gila Butte SE) KA-71-68

Salt River Canyon area

1436 ** 922.00 — KA/orth/granite - Ruin Granite (Rockinstraw Mtn.) DEL-03-62
1524 1415.00 — KA/biot/granite - Ruin Granite (Rockinstraw Mtn.) DEL-03-62
1539 1436.00 — KA/plag/granite - Ruin Granite (Rockinstraw Mtn.) DEL-03-62
1544 1455.00 — KA/biot/granite - Ruin Granite (Rockinstraw Mtn.) DEL-03-62
1550 ** 1478.00 — SR/w.r./rhyolite - Redmond Formation (Haystack Butte) SEVERAL

San Bernardino Valley

10 0.27 — KA/w.r./basalt - Bernardino basalt (College Peaks) UAKA-75-109
33 1.00 — KA/w.r./basalt - Bernardino basalt (Apache) 72D6

San Carlos area

4 0.05 — KA/w.r./mantle xenolith - San Carlos xenolith (San Carlos) PA-12
17 0.58 -- KA/w.r./basanite - San Carlos basanite (San Carlos) PA-1
30 0.93 -- KA/w.r./basalt - Peridot Mesa basalt (San Carlos) UAKA-77-33
49 1.70 -- KA/w.r./mantle xenolith - San Carlos xenolith (San Carlos) PA-10
131 5.28 — KA/plag/basalt - Peridot Cove basalt (Coolidge Dam) UAKA-75-30
177 7.46 -- KA/w.r./basalt - Bucket Mtn. basalt (Bucket Mtn.) UAKA-76-130
271 12.00 — KA/w.r./mantle xenolith - San Carlos xenolith (San Carlos) PA-65G

San Francisco volcanic field

2 0.05 — KA/w.r./basaltic andesite - Strawberry Crater basalt (Strawberry Crater) UAKA-73-121
3 0.05 -- KA/w.r./basaltic andesite - O'Neil Crater basalt (Winona) UAKA-73-120
5 0.07 — KA/w.r./basalt - S P basalt (S P Mtn.)
6 ** 0.21 -- KA/w.r./basalt - Sunset Crater basalt (Sunset Crater West) D69:2
7 0.21 — KA/sani/rhyolite - O'Leary Peak rhyolite (O'Leary Peak) PED-14-70
8 ** 0.23 -- KA/w.r./basalt - Sunset Crater basalt (Sunset Crater West) D69:1
9 0.24 — KA/sani/rhyolite - O'Leary Peak rhyolite (O'Leary Peak) UAKA-71-08
13 0.50 -- KA/w.r./basalt - Deadman Wash basalt (Wupatki SE) U84:2
14 0.52 — KA/w.r./basalt - Tappan Springs basalt (Cameron NW) UAKA-72-62
15 0.53 — KA/w.r./basalt - Crater 416 basalt (Strawberry Crater) JSL-72-8
16 0.58 -- KA/w.r./basalt - Crater 176 basalt (Merriam Crater) JSL-72-12
20 0.70 -- KA/w.r./basalt - Vent 171 basalt (Roden Crater) UAKA-73-123
22 0.80 — KA/w.r./rhyolite - San Francisco rhyolite (Sunset Crater West) U84:1
23 0.81 — KA/w.r./basalt - Woodhouse Mesa basalt (Roden Crater) UAKA-73-153
26 0.87 — KA/w.r./basalt - Kellam Ranch basalt (Merriam Crater) UAKA-73-154
28 0.88 — KA/biot/rhyolite - White Horse Hills rhyolite (White Horse Hills) UAKA-73-114
29 0.89 — KA/w.r./basalt - Wukoki basalt (Wupatki SE) UAKA-73-119
31 0.95 — KA/w.r./basalt - Lava Point basalt (S P Mtn.) UAKA-73-116
32 0.95 — KA/sani/rhyolite - Humphreys Peak rhyolite (Humphreys Peak) UAKA-72-74
43 1.54 -- KA/w.r./rhyolite - Slate Mtn. rhyolite (Kendrick Peak) UAKA-73-115
44 1.56 — KA/biot/granite porphyry - Marble Hill porphyry (White Horse Hills (?)) BES-58-85
46 1.61 — KA/w.r./latite - Woody Mtn. Summit latite (Flagstaff West) UAKA-72-27
55 1.89 — KA/w.r./basalt - Amphitheatre basalt (S P Mtn.) PED-07-67
73 2.43 -- KA/w.r./olivine basalt - Black Point basalt (Wupatki NE) PED-06-65
75 2.49 — KA/biot/rhyolite - Sitgreaves Peak rhyolite (Parks) BES-58-315
82 2.78 — KA/sani/rhyodacite - North Sugarloaf rhyodacite (O'Leary Peak) PED-15-70
83 2.79 — KA/biot/rhyodacite - North Sugarloaf rhyodacite (O'Leary Peak) BES-58-111
92 3.13 -- KA/w.r./basalt dike - Amphitheatre dike (S P Mtn.) PED-07-70

San Francisco volcanic field (cont.)

141		5.62	-- KA/w.r./basalt - Cedar Ranch Mesa basalt (Ebert Mtn.) UAKA-73-155
150		5.88	-- KA/w.r./basalt - Anderson Mesa basalt (Lower Lake Mary) JSL-21-70
153		5.94	-- KA/w.r./basalt - Middle Switzer Mesa basalt (Flagstaff West) UAKA-73-118
158		6.07	-- KA/w.r./basalt - Woody Mtn. basalt (Bellemont) UAKA-72-26
159		6.13	-- KA/w.r./basalt - Rio de Flag Fm. (Flagstaff West)
230	**	10.14	-- KA/plag/basalt - Black Point basalt (Merriam Crater) PED-06-65P

San Manuel area

569		22.10	-- KA/w.r./basalt - San Manuel Fm. (Oracle)
584		22.50	-- KA/sani/rhyolite - Cloudburst Fm. (Oracle)
826		28.30	-- KA/w.r./alkali basalt - Cloudburst Fm. (Oracle) UAKA-77-61
1162		65.00	-- KA/biot/granodiorite - San Manuel porphyry (Mammoth)
1218		69.00	-- KA/biot/granodiorite - San Manuel porphyry (Mammoth)

San Pedro Valley

77		2.59	-- KA/glas/air-fall tuff - St. David Fm. (McGrew Spring) UAKA-72-77
78		2.60	-- KA/glas/air-fall tuff - St. David Fm. (McGrew Spring) RBS-35A-68
86		3.05	-- KA/glas/air-fall tuff - St. David Fm. (McGrew Spring) RBS-32-68
88		3.10	-- FT/zirc/ash - St. David Fm. (McGrew Spring) M78:123
133		5.35	-- KA/glas/air-fall tuff - Quiburis Fm. (Clark Ranch) LDA-01-66
140		5.54	-- KA/glas/air-fall tuff - St. David Fm. (McGrew Spring) UAKA-71-32
146		5.74	-- KA/glas/air-fall tuff - Quiburis Fm. (Peppersauce Wash) RBS-61F-68
152		5.92	-- KA/glas/air-fall tuff - Quiburis Fm. (Peppersauce Wash) RBS-61-68
167		6.43	-- KA/glas/air-fall tuff - Quiburis Fm. (Redington) RBS-68-68
266	**	11.79	-- KA/glas/air-fall tuff - St. David Fm. (McGrew Spring) RBS-15-73

San Simon Valley

66		2.17	-- FT/glas/air-fall tuff - 111 Ranch tuff (Dry Mtn.) 78W208
69		2.33	-- FT/zirc/air-fall tuff - 111 Ranch tuff (Dry Mtn.) 78W211
72		2.43	-- FT/glas/air-fall tuff - 111 Ranch tuff (Dry Mtn.) 78W211
80		2.67	-- FT/glas/air-fall tuff - 111 Ranch tuff (Dry Mtn.) 78W209
95		3.29	-- KA/glas/air-fall tuff - 111 Ranch tuff (Dry Mtn.) RBS-206-68

San Tan Mtns.

742		26.00	-- KA/phlo/ash-flow tuff - San Tan Mtns. ash-flow tuff (Sacaton) KA-71-74
1141		63.90	-- KA/horn/granite - Sacaton Peak granite (Florence) KA-71-66
1177		66.00	-- KA/biot/granite - Sacaton Peak granite (Blackwater) KA-71-65
1262		72.10	-- KA/biot/quartz monzonite - Mineral Butte quartz monzonite (Blackwater) KA-71-64
1367	**	164.00	-- KA/biot/ash-flow tuff - San Tan Mtns. ash-flow tuff (Magma) ES:04
1504		1361.00	-- KA/biot/granite - San Tan granite (Sacaton NE) KA-71-63

Sand Tank Mtns.

442		18.40	-- KA/plag/basalt - Sand Tank volcanics (Gila Bend) 82AM61
553		21.80	-- KA/horn/dacite - Sand Tank volcanics (Kaka) AA1128
561		21.90	-- KA/biot/rhyolitic tuff - Sand Tank volcanics (Big Horn) 83AM82

Santa Catalina Mtns.

462	**	19.20	-- SR/w.r./aplite - Catalina granite (Oracle) 35-39-73
469	**	19.30	-- FT/apat/granite - Wilderness granite (Agua Caliente Hill) GGN-S1
511	**	20.50	-- FT/apat/granite - Catalina granite (Oracle) BR-16
531	**	20.90	-- FT/apat/granite - Catalina granite (Mt. Lemmon) ML-61
534		21.00	-- KA/w.r./trachyte - Santa Catalina trachyte dike (Sabino Canyon) UAKA-72-21
537	**	21.10	-- KA/biot/granite - Catalina granite (Ruelas Canyon) RC3-1
545	**	21.40	-- FT/apat/mafic inclusion - Catalina granite inclusion (Oro Valley) ML-60
550	**	21.70	-- KA/horn/granite - Catalina granite (Ruelas Canyon) RC3-1
599	**	22.90	-- KA/horn/granite - Catalina granite (Mt. Lemmon) ML-61
602	**	23.10	-- KA/musc/granite - Wilderness granite (Tucson North) UAKA-71-11
608	**	23.30	-- KA/biot/granite - Wilderness granite (Agua Caliente Hill) GGN-S1
610	**	23.40	-- SR/biot/granite - Wilderness granite (Agua Caliente Hill) PED-4A-58
614	**	23.50	-- FT/apat/granite - Catalina granite (Oracle) BR-21
629	**	23.70	-- KA/biot/granite - Catalina granite (Oracle) BR-21
633	**	23.80	-- KA/biot/granite - Catalina granite (Oracle) BR-16
644		24.00	-- KA/horn/granite - Catalina granite (Oracle) BR-21
646	**	24.00	-- KA/k-sp/granite - Wilderness granite (Agua Caliente Hill (?)) UAKA-72-76
650	**	24.10	-- KA/biot/mafic inclusion - Catalina granite inclusion (Oro Valley) ML-60
664		24.50	-- KA/biot/quartz diorite - Tortolita Quartz Monzonite (Mt. Lemmon) PED-17-59
668		24.60	-- KA/biot/granite - Catalina granite (Mt. Lemmon) ML-61
670	**	24.70	-- KA/musc/granite - Wilderness granite (Agua Caliente Hill) GGN-S1
677	**	24.90	-- KA/w.r./quartz diorite inclusion - Catalina granite inclusion (Mt. Lemmon (?)) K80:24

Santa Catalina Mtns. (cont.)

689 25.10 -- FT/zirc/granite - Catalina granite (Oracle) BR-16
706 ** 25.40 -- KA/biot/gneissic granite - Wilderness granite (Agua Caliente Hill) PED-04A-58
718 25.60 -- KA/biot/granite - Catalina granite (Mt. Lemmon) PED-16-59
720 ** 25.60 -- KA/biot/gneiss - Forerange gneiss (Agua Caliente Hill) PED-18-62L
746 ** 26.10 -- KA/musc/gneiss - Forerange gneiss (Agua Caliente Hill) PED-18-62L
755 26.50 -- PB/zirc/granite - Catalina granite (Mt. Lemmon)
757 ** 26.50 -- KA/musc/gneissic granite - Wilderness granite (?) (Sabino Canyon) PED-04-58
781 27.10 -- FT/zirc/granite - Catalina granite (Mt. Lemmon) ML-61
782 ** 27.10 -- KA/biot/quartz diorite - Leatherwood quartz diorite (Bellota Ranch) BR2
783 ** 27.10 -- KA/biot/quartz diorite - Leatherwood quartz diorite (Bellota Ranch (?)) K80:05
791 ** 27.40 -- SR/min./quartz diorite - Leatherwood quartz diorite (Mt. Lemmon) PED-01-68
795 ** 27.50 -- KA/orth/gneissic granite - Forerange gneiss (Agua Caliente Hill) PED-18-62L
815 28.10 -- FT/sphe/granite - Catalina granite (Oracle) BR-16
823 ** 28.30 -- KA/biot/gneiss - Leatherwood quartz diorite (?) (Agua Caliente Hill) PED-18-62D
827 28.40 -- FT/sphe/granite - Catalina granite (Mt. Lemmon) ML-61
833 ** 28.50 -- KA/biot/quartz diorite - Leatherwood quartz diorite (Bellota Ranch) K80:69
846 ** 28.80 -- FT/sphe/mafic inclusion - Catalina granite inclusion (Oro Valley) ML-60
850 ** 28.90 -- KA/biot/quartz diorite - Leatherwood quartz diorite (Bellota Ranch) K80:52
852 29.10 -- FT/zirc/granite - Catalina granite (Oracle) BR-21
860 ** 29.60 -- KA/biot/quartz diorite - Leatherwood quartz diorite (Bellota Ranch) K80:51
868 ** 30.00 -- KA/plag/gneiss - Forerange gneiss (Agua Caliente Hill) PED-18-62L
870 30.10 -- FT/sphe/granite - Catalina granite (Oracle) BR-21
872 ** 30.20 -- KA/musc/gneissic granite - Wilderness granite (Agua Caliente Hill) PED-04A-58
873 ** 30.20 -- KA/biot/quartz diorite - Leatherwood quartz diorite (Mt. Lemmon) PED-01-68
888 ** 31.70 -- KA/biot/quartz diorite - Leatherwood quartz diorite (Mt. Lemmon (?)) UAKA-76-116
891 ** 31.90 -- KA/musc/gneissic granite - Wilderness granite (?) (Tucson North) PED-56-66
893 ** 32.00 -- KA/musc/gneissic granite - Forerange gneiss (Agua Caliente Hill) RM-01-66
897 ** 32.20 -- KA/biot/quartz diorite - Leatherwood quartz diorite (Oracle) K80:45
932 ** 36.70 -- KA/horn/quartz diorite - Leatherwood quartz diorite (Oracle) K80:30
933 ** 36.80 -- SR/musc/granite - Wilderness granite (Agua Caliente Hill) PED-4A-58
934 ** 36.80 -- KA/horn/mafic inclusion - Catalina granite inclusion (Oro Valley) ML-60
938 ** 37.70 -- KA/seri/quartz diorite - Leatherwood quartz diorite (Mt. Lemmon (?)) UAKA-78-66
940 ** 38.40 -- KA/horn/quartz diorite - Leatherwood quartz diorite (Bellota Ranch (?)) K80:05
947 ** 39.40 -- KA/biot/granite - Oracle Granite (Oracle) PED-27-57
962 44.60 -- PB/mona/granite - Wilderness granite (Mt. Lemmon)
963 44.60 -- PB/mona/granite - Wilderness granite (Agua Caliente Hill)
968 ** 46.50 -- KA/garn/granite - Wilderness granite (Agua Caliente Hill (?)) UAKA-71-21
975 47.90 -- KA/musc/pegmatite - Wilderness granite (Mt. Lemmon) PED-15-59
987 ** 50.00 -- PB/zirc/gneissic granite - Wilderness granite (Agua Caliente Hill) 100
989 ** 50.30 -- KA/biot/granite - Oracle Granite (Oracle) PED-01-58
1150 64.40 -- KA/horn/quartz diorite - Leatherwood quartz diorite (Bellota Ranch) BR2
1205 68.50 -- SR/w.r./quartz diorite - Leatherwood quartz diorite (Mt. Bigelow) SEVERAL
1532 1420.00 -- PB/zirc/granite - Oracle Granite (Agua Caliente Hill)

Santa Catalina-Rincon-Tortolita Mtns.

967 46.00 -- SR/w.r./granite - Wilderness granite (Agua Caliente Hill) SEVERAL
1498 ** 1351.00 -- SR/w.r./granite - Oracle Granite (Campo Bonito) SEVERAL

Santa Catalina-Tortolita Mtns.

713 25.50 -- SR/w.r./granite - Catalina granite (Mt. Lemmon) SEVERAL
1249 71.50 -- SR/w.r./quartz diorite - Leatherwood quartz diorite (Mt. Bigelow) SEVERAL

Santa Cruz Valley

287 12.90 -- KA/w.r./olivine basalt - Nogales Fm. (Pena Blanca Lake) M73:50
1362 ** 157.00 -- KA/horn/tuff - Nogales Fm. (Nogales) M73:56

Santa Maria Mtns.

267 11.80 -- KA/w.r./basalt - Malpais Mesa basalt (Malpais Mesa) 100-77
397 ** 17.10 -- FT/apat/rhyodacite - McLendon Peak rhyodacite (Date Creek Ranch NW) A3
463 ** 19.20 -- FT/zirc/rhyodacite - McLendon Peak rhyodacite (Date Creek Ranch NW) A3
499 20.30 -- KA/w.r./basaltic andesite - McLendon volcanics (Malpais Mesa) AP78-01

Santa Maria area

229 10.02 -- KA/w.r./olivine basalt - Malpais Mesa basalt (Malpais Mesa) UAKA-74-36

Santa Rita Mtns.

758 26.50 -- KA/sani/rhyolite dike - Box Canyon dike (Helvetia) M73:15
764 26.70 -- KA/biot/latite vitrophyre - Grosvenor Hills Volcanics (Patagonia) M73:17
769 26.90 -- KA/plag/rhyodacite vitrophyre - Grosvenor Hills Volcanics (San Cayetano Mtns.) M73:16

Santa Rita Mtns. (cont.)

805		27.70	— KA/horn/latite vitrophyre - Grosvenor Hills Volcanics (Patagonia) M73:17
822		28.30	— KA/biot/granodiorite - San Cayetano granodiorite (San Cayetano Mtns.) M73:18
831		28.50	— KA/horn/rhyodacite - Grosvenor Hills Volcanics (San Cayetano Mtns.) M73:19
1012		53.30	— KA/biot/granodiorite - Helvetia granodiorite (Sahuarita) M73:21
1021		54.80	— KA/biot/granodiorite - Helvetia granodiorite (Sahuarita) M73:21
1027		55.20	— KA/biot/quartz latite porphyry - Helvetia quartz latite (Sahuarita) M73:22
1042	**	56.90	— KA/biot/granodiorite - Continental Granodiorite (Sahuarita) M73:48
1045		57.00	— KA/biot/quartz latite porphyry - Helvetia quartz latite (Sahuarita) M73:23
1046		57.10	-- KA/biot/quartz latite porphyry - Helvetia quartz latite (Sahuarita) M73:24
1053		57.60	— KA/biot/quartz latite porphyry - Helvetia quartz latite (Sahuarita) M73:25
1104		61.30	-- KA/horn/dacite porphyry - Gringo Gulch Volcanics (Mt. Wrightson) M73:27
1116		62.00	— KA/biot/microgranodiorite - Gringo Gulch Volcanics (Mt. Wrightson) M73:28
1190	**	66.90	-- KA/seri/alteration zone - Mt. Wrightson Fm. (Mt. Wrightson) UAKA-73-158
1211		68.70	— KA/biot/diorite - Josephine Canyon Diorite (Mt. Wrightson) M73:30
1215		69.00	— KA/horn/dacite porphyry - Gringo Gulch dike (Mt. Wrightson) M73:32
1219		69.50	— KA/biot/granodiorite - Madera Canyon Granodiorite (?) (Mt. Wrightson) RM-06-63
1225		69.90	— KA/biot/quartz monzonite - Elephant Head Quartz Monzonite (Mt. Wrightson) M73:33
1243		70.80	— KA/biot/quartz monzonite - Elephant Head Quartz Monzonite (Mt. Wrightson) M73:34
1288		74.30	-- KA/biot/rhyodacite welded tuff - Salero Fm. (Mt. Wrightson) M73:35
1294		75.30	— KA/biot/quartz diorite - Corona quartz monzonite (Empire Mtns.) M73:36
1295		75.50	-- KA/biot/quartz monzonite - Corona quartz monzonite (Empire Mtns.) M73:37
1356		148.00	— KA/biot/granite - Squaw Gulch Granite (Mt. Wrightson) M73:38
1366	**	163.00	— KA/biot/granodiorite - Continental Granodiorite (Mt. Wrightson) M73:40
1389	**	245.00	— KA/plag/dacite - Gardner Canyon Fm. (Mt. Wrightson) PED-27-66

Santa Rosa Mtns.

1229		70.20	-- KA/w.r./phyllite - Gu Achi phyllite (Santa Rosa Mtns.) PR-90
1263		72.10	-- KA/w.r./phyllite - Gu Achi phyllite (Santa Rosa Mtns.) PR-91

Santa Teresa Mtns.

596		22.80	— KA/biot/biotite granite - Santa Teresa Granite (Cobre Grande Mtn.) UAKA-75-21
682		24.95	-- KA/biot/granite - Goodwin Canyon Granite (Cobre Grande Mtn.) UAKA-73-16

Sauceda Mtns.

474		19.50	-- KA/biot/rhyolite - Sauceda volcanics (Hat Mtn.) 81AG239
526		20.70	-- KA/biot/rhyolite dike - Sauceda volcanics (Hat Mtn.) 81AG206
551		21.70	— KA/biot/ash-flow tuff - Sauceda volcanics (Hat Mtn.) 81AM183

Sentinel volcanic field

50		1.72	— KA/w.r./basalt - Midway Cone basalt (Sentinel) UAKA-73-05
89		3.10	— KA/w.r./basalt - Sentinel basalt (Agua Caliente) ES:106
93		3.19	-- KA/w.r./basalt - Warford Ranch basalt (Citrus Valley West) UAKA-77-04
98		3.44	— KA/w.r./basalt - Sentinel basalt (Sentinel (?)) R-2642

Sheridan Mtns.

926	**	35.90	-- KA/w.r./phyllite - Sheridan Mtns. phyllite (Gu Achi) PR 92
945	**	39.20	— KA/w.r./phyllite - Sheridan Mtns. phyllite (Gu Achi) PR-93

Shivwits Plateau

70		2.35	— KA/w.r./basalt - Segmiller Mtn. basalt (Wolf Hole Mtn. West) PED-32-66
74		2.44	-- KA/w.r./basalt - Segmiller Mtn. basalt (Wolf Hole Mtn. West) PED-33-66
124		4.75	— KA/w.r./basalt - Shivwits basalt (Poverty Spring) PED-39-66
160		6.20	— KA/w.r./basalt - Shivwits basalt (Grand Gulch Bench)
170		6.78	— KA/w.r./basalt - Dellenbaugh basalt (Castle Peak) PED-38-66
175		7.06	-- KA/w.r./basalt - Mount Dellenbaugh basalt (Mt. Dellenbaugh) PED-37-66
180		7.64	— KA/w.r./basalt - Shivwits basalt (Whitmore Point SW)
210		9.00	-- KA/w.r./basalt - Snap Point basalt (Snap Canyon East) SP-80-1

Sierra Ancha

1446		1054.00	-- PB/zirc/granophyre - Diabase (Buzzard Roost Mesa (?))
1460		1146.00	— KA/biot/diabase - Diabase (McFadden Peak) PED-31-61
1541		1439.00	-- SR/min./granite - Ruin Granite (Rockinstraw Mtn.) DEL3 to 8-62
1552		1485.00	— KA/biot/granite - Ruin Granite (Rockinstraw Mtn.) PED-32-61

Sierra Estrella

1391	**	302.00	— KA/biot/granite - Montezuma granite (Montezuma Peak) PED-14-65
1393	**	304.00	— KA/biot/granite - Montezuma granite (Montezuma Peak) PED-14-65

Sierra Estrella (cont.)

1394 ** 305.00 -- KA/biot/granite - Montezuma granite (Montezuma Peak) PED-14-65
1434 ** 920.00 — SR/w.r./granite - Montezuma granite (Montezuma Peak) PED-14-65
1479 ** 1282.00 — SR/w.r./schist - Sierra Estrella schist (Montezuma Peak) PDP-1-67
1497 1351.00 — SR/w.r./granite - Montezuma granite (Montezuma Peak) SEVERAL
1515 1394.00 — KA/musc/pegmatite - Sierra Estrella pegmatite (Enid) PED-13-65

Sierra Prieta

339 14.94 — KA/biot/rhyolite - Gabarina Hill rhyolite (Groom Creek) UAKA-76-26
1145 ** 64.00 — KA/biot/granodiorite - Copper Basin stock (Wilhoit) A68:4
1267 72.60 — KA/seri/granodiorite - Copper Basin stock (Wilhoit) UAKA-76-25
1269 72.80 — KA/biot/quartz latite porphyry - Copper Basin stock (Wilhoit) UAKA-76-01
1271 72.90 — KA/horn/quartz latite porphyry - Copper Basin stock (Kirkland) UAKA-76-01
1296 75.50 -- KA/biot/granodiorite - Copper Basin stock (Wilhoit) UAKA-75-117

Sierrita Mtns.

686 25.00 — KA/biot/andesite dike - Sierrita dike (Twin Buttes) M73:01
750 26.30 — KA/biot/andesite dike - Pima Mine dike (Twin Buttes) UAKA-74-89
776 27.00 — KA/biot/kersantite - Mission Mine post-ore dike (Twin Buttes) M73:02
836 28.57 — KA/biot/tuff - Helmet Fanglomerate (Twin Buttes) RM-01-64
885 31.37 — KA/plag/andesite porphyry - Helmet Fanglomerate (Twin Buttes) RM-02-64
927 ** 36.00 — KA/musc/granite - San Xavier granite (San Xavier Mission) UAKA-78-63
935 ** 36.90 — KA/biot/granodiorite - Ruby Star Granodiorite (?) (Twin Buttes) M73:03
944 ** 39.20 — SR/musc/pegmatite - Canoa Ranch pegmatite (Twin Buttes) RM-09-63
954 ** 41.00 — KA/biot/quartz monzonite - Harris Ranch Monzonite (Palo Alto Ranch) M73:13
957 ** 41.90 — KA/biot/granodiorite - Ruby Star Granodiorite (San Xavier Mission) UAKA-76-45
970 ** 47.20 — KA/biot/granodiorite - Ruby Star Granodiorite (Twin Buttes) M73:04
977 ** 48.20 — KA/k-sp/alteration - Mission Mine alteration (Twin Buttes) M73:05
978 ** 48.20 — KA/k-sp/diorite - Esperanza diorite (Twin Buttes) M73:06
986 ** 49.90 — KA/biot/granite - Ruby Star Granodiorite (Twin Buttes) UAKA-75-116
995 ** 51.40 -- KA/biot/granodiorite - Ruby Star Granodiorite (Twin Buttes) UAKA-76-46
1000 52.20 — KA/musc/pegmatite - Canoa Ranch pegmatite (Twin Buttes) RM-09-63
1020 54.70 — KA/biot/quartz monzonite - Twin Buttes quartz monzonite (Twin Buttes) RM-03-64
1035 ** 56.40 — KA/biot/granite - Sierrita Granite (Twin Buttes) M73:11
1040 56.70 — KA/seri/vein - Pima Mine mineralization (Twin Buttes) UAKA-75-118
1049 57.40 — KA/biot/quartz monzonite porphyry - Pima Mine porphyry (Twin Buttes) M73:07
1050 57.40 — KA/biot/rhyolite tuff - Pima District tuff (Twin Buttes) M73:08
1051 57.50 -- KA/k-sp/vein - Esperanza diorite (?) (Twin Buttes) M73:09
1057 58.00 — KA/k-sp/quartz monzonite porphyry - San Xavier porphyry (San Xavier Mission) UAKA-78-64
1086 60.10 — KA/biot/granodiorite - Twin Buttes granodiorite (Twin Buttes) PED-08-62
1105 61.50 — KA/biot/vein - Esperanza diorite (?) (Twin Buttes) M73:09
1115 62.00 — KA/musc/vein - Esperanza alteration (Twin Buttes) RM-03-62
1132 63.10 — KA/biot/granodiorite - Ruby Star Granodiorite (Twin Buttes) M73:10
1144 64.00 — KA/phlo/alteration - Esperanza alteration (Twin Buttes) RM-01-62
1192 67.00 -- KA/ /andesite - Demetrie andesite (Twin Buttes) TB:1
1199 67.50 — SR/w.r./aplite dike - Sierrita Granite aplite (Twin Buttes) RM-1-65
1343 ** 127.30 -- SR/min./monzonite - Harris Ranch Monzonite (?) (Twin Buttes) RM-10-63
1349 ** 137.10 — SR/w.r./granite - Sierrita Granite (Twin Buttes) RM-2-65
1358 149.00 -- KA/biot/granite - Sierrita Granite (Palo Alto Ranch) 72D69

Silver Bell Mtns.

359 15.63 — KA/w.r./andesite - Sasco andesite (Samaniego Hills) RLE-20-68
430 18.05 — KA/w.r./basalt - Cerro Prieto basalt (Samaniego Hills) RLE-27-67
482 ** 19.70 -- FT/apat/granite - El Tiro biotite granite (Vaca Hills) VHNE-169N
490 20.00 — KA/w.r./trachyandesite - Vaca Hills volcanics (Vaca Hills) VHSW-3N
502 20.32 — KA/w.r./andesite - Samaniego andesite (Samaniego Hills) RLE-27-68
538 21.17 — KA/w.r./andesite - Samaniego andesite (Samaniego Hills) RLE-29-67
568 22.06 — KA/biot/andesite - Sasco andesite (Samaniego Hills) UAKA-73-141
572 22.15 — KA/w.r./basalt - Cerro Prieto basalt (Silver Bell Peak) RLE-31-68
583 ** 22.50 -- FT/apat/quartz monzonite - Silver Bell porphyry (Vaca Hills) VHNE-168N
594 22.70 — KA/plag/trachyandesite - Vaca Hills volcanics (Vaca Hills) VHSW-3N
725 25.64 — KA/biot/rhyolite - Ragged Top rhyolite (Silver Bell Peak) RM-04-63
737 25.90 — KA/plag/quartz latite - Vaca Hills volcanics (Greene Reservoir) E-2N
835 28.52 -- KA/biot/andesite - Petroglyph Hill andesite (Silver Bell Peak) PED-01-63
1003 ** 52.50 — FT/zirc/quartz monzonite - Silver Bell porphyry (Vaca Hills) VHNE-168N
1029 ** 55.70 -- FT/zirc/granite - El Tiro biotite granite (Vaca Hills) VHNE-169N
1039 ** 56.70 — KA/biot/dacitic ash-flow tuff - Silver Bell dacite (Silver Bell Peak) RM-03-63
1067 ** 58.80 -- KA/biot/dacitic ash-flow tuff - Silver Bell dacite (Vaca Hills) PED-23-59
1096 ** 60.90 — KA/sani/rhyolite ash-flow tuff - Mt. Lord Volcanics (Vaca Hills) PED-06-63
1108 61.70 -- FT/sphe/quartz monzonite - Silver Bell porphyry (Vaca Hills) VHNE-168N
1160 ** 64.80 — KA/biot/quartz monzonite - El Tiro monzonite (Vaca Hills) PED-02-63
1180 ** 66.10 — KA/biot/granite - El Tiro biotite granite (Vaca Hills) PED-22-59
1193 67.10 — KA/biot/quartz monzonite - El Tiro monzonite (Vaca Hills) PED-03-63

Silver Bell Mtns. (cont.)

1210	68.70	— KA/biot/quartz monzonite - El Tiro monzonite (Vaca Hills) PED-21-59
1268	72.80	— PB/zirc/granite - El Tiro biotite granite (Vaca Hills)

Slate Mtns.

1175	65.80	— KA/seri/quartz monzonite porphyry - Lakeshore stock (Silver Reef Mtns.) G-M1655
1200	67.50	— KA/biot/quartz monzonite - Lakeshore stock (Silver Reef Mtns.) PED-20-64
1212	68.80	— KA/biot/quartz monzonite porphyry - Lakeshore stock (Silver Reef Mtns.) G-B1652
1216	69.00	— KA/biot/quartz monzonite - Lakeshore stock (Silver Reef Mtns.) G-B1654
1217	69.00	— KA/biot/quartz monzonite porphyry - Lakeshore stock (Silver Reef Mtns.) G-B1653

South Mtns.

467 **	19.20	— KA/biot/granite - Telegraph Pass Granite (Lone Butte) UAKA-73-110
497 **	20.20	— KA/biot/granodiorite - South Mtns. Granodiorite (Lone Butte) UAKA-78-81
518 **	20.50	— KA/biot/granodiorite - South Mtns. Granodiorite (Lone Butte) UAKA-78-80
563	22.00	-- PB/zirc/granodiorite - South Mtns. Granodiorite (Lone Butte)
663	24.50	— SR/w.r./granodiorite - South Mtns. Granodiorite (Lone Butte) SMG-1 TO 7
797	27.60	-- SR/w.r./granite - Telegraph Pass Granite (Lone Butte) TGP-1 TO 4
828 **	28.40	— KA/horn/microdiorite dike - South Mtns. diorite dike (Lone Butte) UAKA-79-133
979 **	48.30	— KA/horn/amphibolite - Estrella Gneiss (Lone Butte) UAKA-78-27
1604 **	1700.00	— SR/w.r./amphibolite - Estrella Gneiss (Lone Butte) EG-1

Springerville volcanic field

11	0.30	— KA/w.r./basalt - Vent 0833 basalt (Springerville NW) UAKA-82-195
12	0.48	— KA/w.r./basalt - Turkey Mtn. flow (Sponseller Mtn.) UAKA-82-184
19	0.67	— KA/w.r./quartz-olivine basalt - Vent 9626 basalt (Whiting Knoll) UAKA-82-197
21	0.75	— KA/w.r./basalt - Springerville basalt (Springerville NW) AWL-06-77
24	0.82	— KA/w.r./basalt - Springerville basalt (Coyote Hills) AWL-41-74
25	0.84	-- KA/w.r./basalt - Springerville basalt (Whiting Knoll) AWL-04-77
34	1.04	— KA/w.r./basalt - Vent 9711 basalt (Springerville NW) UAKA-82-196
35	1.05	— KA/w.r./basalt - Vent 0727 basalt (Springerville NW) UAKA-82-193
37	1.19	— KA/w.r./picritic basalt - Cerro Hueco basalt (Cerro Hueco) UAKA-82-192
39	1.30	— KA/w.r./olivine basalt - Vernon basalt (Vernon) UAKA-82-191
41	1.47	-- KA/w.r./basalt - Gooseberry Creek basalt (McNary) UAKA-82-96
42	1.53	-- KA/w.r./basalt - Timber Mesa basalt (Lakeside) UAKA-80-131
45	1.56	— KA/w.r./benmoreite - Vent 9506 benmoreite (Boundary Butte) UAKA-82-190
47	1.65	— KA/w.r./basalt - Vent 9335 basalt (Lakeside) UAKA-82-183
48	1.67	— KA/w.r./basalt - Springerville basalt (Springerville) AWL-05-77
51	1.74	— KA/w.r./basalt - Vent 9305 basalt (Lakeside) UAKA-80-132
53	1.78	— KA/w.r./basalt - Show Low Creek basalt (Indian Pine) UAKA-80-133
54	1.83	-- KA/w.r./basalt - Bootleg Lake basalt (Indian Pine) UAKA-80-134
58	1.98	— KA/w.r./basalt - Lyman Lake basalt (Lyman Lake) UAKA-82-194
60	2.00	— KA/w.r./basalt - Show Low Creek basalt (Show Low North) UAKA-82-185
62	2.05	— KA/w.r./basalt - Gooseberry Creek basalt (McNary) UAKA-82-95
85	2.94	-- KA/w.r./olivine basalt - Springerville basalt (Coyote Hills) AWL-40-74
87	3.06	— KA/w.r./alkali basalt - Springerville basalt (Eager) AWL-42-74
106	3.67	-- KA/w.r./basalt - Springerville basalt (Coyote Hills) AWL-07-77
109	3.87	— KA/w.r./basalt - Springerville basalt (Nelson Reservoir) AWL-03-77
156	6.03	-- KA/w.r./basalt - South Fork basalt (Greer) AWL-08-77
200	8.66	— KA/w.r./basalt - Amos Mtn. basalt (Indian Pine) UAKA-80-135
208	8.97	-- KA/w.r./basalt - Amos Mtn. basalt (Indian Pine) UAKA-80-136

Sulphur Springs Valley

249	11.05	— KA/w.r./basalt - Swisshelm Mtns. basalt (Swisshelm Mtns.) UAKA-78-35
829	28.43	— KA/biot/granite - Circle I Hills granite (Willcox) UAKA-73-13
866	29.96	— KA/biot/granodiorite - Pat Hills granodiorite (Dos Cabezas SW) UAKA-73-12
917	34.50	— KA/horn/andesite - Pat Hills andesite (Pat Hills North) 74D161

Superior area

439	18.35	— KA/biot/granite - Wood Camp Canyon granite (Picketpost Mtn.) UAKA-73-109
441	18.40	— KA/biot/dacite - Picketpost Mtn. dacite (Picketpost Mtn.) UAKA-65-11
455	18.80	— KA/plag/dacite - Picketpost Mtn. dacite (Picketpost Mtn.) UAKA-65-11
486	19.90	— KA/biot/ash-flow tuff - Apache Leap Tuff (Superior) C62:10
506	20.40	— KA/biot/ash-flow tuff - Apache Leap Tuff (Superior) PED-04-62
530 **	20.86	— KA/biot/granite - Wood Camp Canyon granite (Superior) KA-71-44
567	22.06	— KA/horn/quartz diorite - Silver King quartz diorite (Superior) KA-71-41
1280	73.50	-- KA/biot/quartz diorite - Arnett Creek quartz diorite (Picketpost Mtn.) KA-71-43

Superstition Mtns.

321 14.23 -- KA/w.r./basalt - Hackberry Mesa basalt (Mormon Flat Dam) UAKA-80-129
349 15.40 -- FT/zirc/ash-flow tuff - Superstition Tuff (Mormon Flat Dam) AP234
354 15.43 -- KA/plag/rhyolite tuff - Superstition volcanics (Mormon Flat Dam) UAKA-80-128
363 15.90 -- FT/sphe/ash-flow tuff - Superstition Tuff (Mormon Flat Dam) AP234
382 16.50 -- FT/zirc/rhyolite dike - Geronimo Head Fm. (Mormon Flat Dam) AP27A
386 16.60 -- FT/zirc/quartz latite - Geronimo Head Fm. (Weavers Needle) AP200
387 16.60 -- FT/sphe/quartz latite - Geronimo Head Fm. (Weavers Needle) AP200
392 16.68 -- KA/sani/rhyolite tuff - Geronimo Head Fm. (Horse Mesa Dam) AP-215
413 17.46 -- KA/w.r./rhyolite - Superstition volcanics (Horse Mesa Dam) UAKA-80-127
434 18.26 -- KA/w.r./basalt - Superstition volcanics (Mormon Flat Dam) PED-14-68
456 18.85 -- KA/biot/quartz latite tuff - Geronimo Head Fm. (Weavers Needle) AP-205
468 19.24 -- KA/sani/rhyolite - Superstition volcanics (Mormon Flat Dam) UAKA-80-126
521 20.60 -- KA/biot/dacite - Superstition volcanics (Mormon Flat Dam) UAKA-68-16
546 21.40 -- KA/w.r./andesite - Superstition volcanics (Horse Mesa Dam) UAKA-81-31
556 21.85 -- KA/biot/quartz latite - Superstition volcanics (Apache Junction) PED-17-68
589 22.60 -- KA/w.r./basalt - Superstition volcanics (Mormon Flat Dam) UAKA-81-30
605 23.13 -- KA/biot/welded tuff - Superstition volcanics (Goldfield) PED-18-68
648 24.10 -- FT/sphe/tuff - Superstition Tuff (Goldfield) AP232
683 25.00 -- FT/zirc/tuff - Superstition Tuff (Goldfield) AP232
700 25.30 -- FT/zirc/tuff - Superstition Tuff (Goldfield) AP236
717 25.60 -- FT/apat/tuff - Superstition Tuff (Goldfield) AP232
747 26.20 -- FT/sphe/tuff - Superstition Tuff (Goldfield) AP236
865 29.90 -- FT/zirc/dacite - Superstition volcanics (Goldfield) AP244
996 ** 51.70 -- FT/apat/granite - Superstition granite (Pinyon Mtn.) AP202
1505 1366.00 -- SR/w.r./granite - Superstition granite (Pinyon Mtn.) AP202-8145
1537 1433.00 -- FT/sphe/granite - Superstition granite (Pinyon Mtn.) AP202
1538 ** 1433.00 -- FT/sphe/quartz diorite - Madera Diorite(?) (Weavers Needle) AP211
1556 ** 1507.00 -- SR/w.r./quartz diorite - Superstition quartz diorite (Weavers Needle) SEVERAL

Swisshelm Mtns.

880 30.91 -- KA/biot/quartz monzonite - Swisshelm granodiorite (Swisshelm Mtns.) UAKA-73-15
914 34.00 -- KA/biot/granodiorite - Swisshelm granodiorite (Swisshelm Mtns.) 74D151

Sycamore Canyon

117 4.43 -- KA/w.r./basalt - Volunteer Canyon basalt (Sycamore Point) UAKA-71-01
126 4.86 -- KA/w.r./basalt - Volunteer Canyon basalt (Sycamore Point) UAKA-71-03
185 8.00 -- KA/w.r./basalt - Sycamore Canyon basalt (Sycamore Basin) CD6
207 8.95 -- KA/w.r./basalt - Volunteer Canyon basalt (Sycamore Point) UAKA-71-04
256 11.40 -- KA/w.r./basalt - Sycamore Canyon basalt (Sycamore Basin (?)) MM:3A
274 12.10 -- KA/w.r./basalt - Casner Mtn. basalt (Loy Butte) PED-29-66
334 14.70 -- KA/w.r./basalt - Sycamore Canyon basalt (Sycamore Basin) MM:3B

Table Top Mtns.

544 21.37 -- KA/w.r./basalt - Table Top basalt (Vekol Mtns. NE) UAKA-75-04
622 23.60 -- KA/w.r./basalt - Antelope Peak basalt (Antelope Peak) ES:01
1495 ** 1341.00 -- KA/biot/granite - Maricopa granite (Antelope Peak) KA-71-75

Tombstone Hills

1139 63.70 -- KA/k-sp/rhyolite dike - Prompter dike (Tombstone) H7-1
1163 65.10 -- KA/sani/rhyolite porphyry - Tombstone rhyolite porphyry (Tombstone) 74D143
1178 66.00 -- KA/biot/rhyolite intrusion - Tombstone Hills rhyolite (Tombstone) M73:95
1184 66.60 -- KA/biot/rhyolite porphyry - Tombstone Hills rhyolite (Tombstone) 74D143
1281 73.50 -- KA/biot/rhyodacite tuff - Uncle Sam Porphyry (Fairbank) M73:96
1293 75.00 -- KA/seri/vein - Tombstone vein (Tombstone) G2-2
1301 76.00 -- KA/biot/granodiorite - Schieffelin Granodiorite (Tombstone) M73:97
1308 76.30 -- KA/biot/granodiorite - Schieffelin Granodiorite (?) (Lewis Springs) 74D91
1309 76.40 -- KA/seri/alteration - Charleston alteration (Fairbank)
1311 77.40 -- KA/horn/rhyodacite dike - Charleston dike (Tombstone SW) A-2197

Tonto Segment

257 11.40 -- KA/w.r./basalt - Baker Butte basalt (Buckhead Mesa) UAKA-73-78

Tortilla Mtns.

414 17.50 -- KA/biot/rhyodacite tuff - San Manuel Fm. (?) (Kearny) 12-100
427 18.00 -- KA/biot/rhyodacite tuff - San Manuel Fm. (Crozier Peak)
496 20.11 -- KA/biot/air-fall tuff - San Manuel Fm. (Crozier Peak) UAKA-76-133
576 22.30 -- KA/biot/rhyolite dike - Tortilla Mtns. dike (Putnam Wash)
597 22.80 -- KA/biot/rhyolite dike - Tortilla Mtns. dike (Putnam Wash) W-10
613 ** 23.40 -- KA/horn/tuff - San Manuel Fm. (Crozier Peak) UAKA-76-133B

Tortilla Mtns. (cont.)

652 24.10 — KA/sani/rhyodacite tuff - San Manuel Fm. (Crozier Peak)
721 ** 25.60 — KA/plag/air-fall tuff - San Manuel Fm. (Crozier Peak) UAKA-76-133
1148 64.40 — KA/biot/granodiorite - Grayback Granodiorite (Grayback) PHK-29-69
1152 64.60 — KA/biot/rhyodacite dike - Rare Metal Mine dike (Grayback) PHK-05-69
1174 65.60 — KA/horn/diorite - Winkelman diorite (Winkelman)
1197 67.30 — KA/biot/granodiorite porphyry - Copper Hills stock (Winkelman) W-65A
1198 67.30 — KA/biot/rhyodacite dike - Winkelman rhyodacite dike (Winkelman) W-86
1220 69.60 — KA/biot/granodiorite porphyry - Copper Hills stock (Winkelman) PED-27-61
1245 71.30 — KA/horn/dacite porphyry - Tortilla Mtns. dacite porphyry (Crozier Peak)
1314 80.80 — KA/w.r./andesite dike - Tortilla Mtns. andesite dike (Winkelman) UAKA-75-88
1486 ** 1320.00 — KA/musc/granite - Oracle Granite (?) (Putnam Wash) W-38
1549 ** 1468.00 — SR/w.r./metarhyolite - Pinal Schist (Teapot Mtn.) DEL3-8

Tortolita Mtns.

396 ** 17.00 — FT/apat/quartz monzonite - Tortolita Quartz Monzonite (Oro Valley) ML-105
443 ** 18.50 — FT/apat/quartz monzonite - Tortolita Quartz Monzonite (Ruelas Canyon) RC-25
535 21.00 — KA/w.r./basalt - San Manuel Fm. (?) (Tortolita Mtns.) OHB
593 22.70 — KA/biot/quartz monzonite - Tortolita Quartz Monzonite (Ruelas Canyon) RC-25
645 24.00 — KA/biot/quartz monzonite dike - Tortolita Mtns. dike (Tortolita Mtns.) UAKA-75-87
691 ** 25.10 — KA/biot/granodiorite - Chirreon Wash Granodiorite (Tortolita Mtns.) UAKA-75-86
765 26.70 — KA/biot/quartz latite - Owl Head Butte volcanics (Tortolita Mtns.) TMN-92
811 28.00 — KA/biot/foliated granite - Catalina granite (?) (Ruelas Canyon) PED-20-62
1540 ** 1438.00 — KA/biot/diorite - Madera Diorite (Tortolita Mtns.) TMN-93

Trigo Mtns.

59 ** 2.00 — KA/w.r./andesite - Trigo Mtns. volcanics (Picacho SW) 2182
481 19.60 — KA/plag/rhyolitic tuff - Trigo Mtns. volcanics (Mule Wash) 2186
501 20.30 — KA/plag/andesite - Trigo Mtns. volcanics (Hidden Valley) 2119
604 23.10 — KA/w.r./andesite - Trigo Mtns. volcanics (Picacho NW) 2175
679 24.90 — KA/phlo/tuff - Trigo Mtns. volcanics (Picacho) 2180
695 25.10 — KA/plag/andesite - Trigo Mtns. volcanics (Hidden Valley) 2177
728 25.70 — KA/w.r./rhyolitic tuff - Trigo Mtns. volcanics (Cibola) ES:120
779 27.00 — KA/plag/rhyolite - Trigo Mtns. volcanics (Picacho SW) 2181
800 27.60 — KA/plag/andesite - Trigo Mtns. volcanics (Picacho NW) 2178
854 ** 29.10 — KA/plag/basalt - Trigo Mtns. volcanics (Picacho) 2139
855 29.10 — KA/plag/dacite - Trigo Mtns. volcanics (Picacho) 2169
942 39.10 — KA/biot/latite porphyry - Trigo Mtns. volcanics (Mule Wash) 2189
1022 54.80 — KA/biot/schist - Trigo Mtns. metamorphics (Picacho NW) 2166
1044 56.90 — KA/biot/granite - Trigo Mtns. granite (Picacho) 2192
1166 65.20 — KA/biot/granodiorite - Trigo Mtns. granodiorite (Picacho) 2165
1207 68.50 — KA/biot/gneiss - Trigo Mtns. metamorphics (Picacho) 2174
1253 71.50 — KA/biot/granodiorite - Trigo Mtns. granodiorite (Picacho) 2193
1272 72.90 — KA/biot/granite - Trigo Mtns. granite (Picacho) 2194
1312 ** 78.60 — KA/biot/granite porphyry - Trigo Mtns. granite porphyry (Mule Wash) 2168
1319 ** 84.00 — KA/biot/granite porphyry - Trigo Mtns. granite porphyry (Mule Wash) 2175
1322 ** 86.80 — KA/horn/gneiss - Trigo Mtns. metamorphics (Picacho) 2187
1326 ** 90.30 — KA/biot/granite porphyry - Trigo Mtns. granite porphyry (Mule Wash) 2118R
1332 ** 100.60 — KA/biot/granite porphyry - Trigo Mtns. granite porphyry (Picacho) 2191
1333 ** 107.50 — KA/biot/tonalite - Trigo Mtns. tonalite (Cibola) 2170R
1334 ** 109.30 — KA/biot/gneiss - Trigo Mtns. metamorphics (Picacho) 2167
1338 ** 114.70 — KA/horn/metagranite - Trigo Mtns. metamorphics (Hidden Valley) 2195
1359 ** 152.20 — KA/horn/amphibolite - Trigo Mtns. metamorphics (Cibola SE) 2188

Tucson Basin

384 16.54 — KA/w.r./basaltic andesite dike - Exxon State 32-1 volcanics (Tucson SE) UAKA-72-70
444 18.50 — KA/w.r./basaltic andesite dike - Exxon State 32-1 volcanics (Tucson SE) ES:24
641 23.93 — KA/w.r./andesitic basalt - Exxon State 32-1 volcanics (Tucson SE) UAKA-72-66
973 ** 47.70 — KA/w.r./granite - Exxon State 32-1 granite (Tucson SE) ES:24

Tucson Mtns.

302 ** 13.42 — KA/feld/air-fall tuff - A Mtn. air-fall tuff (Tucson) PED-01-62
498 ** 20.30 — KA/w.r./basaltic andesite - Tumamoc Hill basaltic andesite (Cat Mtn.) PED-08-63
627 23.67 — KA/w.r./basaltic andesite - Tumamoc Hill basaltic andesite (Cat Mtn.) UAKA-76-31
655 24.20 — KA/w.r./basaltic andesite - A Mtn. basaltic andesite (Tucson) UAKA-76-33
690 25.10 — KA/biot/dacite - Safford Peak dacite neck (Avra) PED-01-64
697 25.20 — KA/biot/tuff - Safford Peak tuff (Avra) PED-10-63
739 25.90 — KA/w.r./basaltic andesite - A Mtn. basaltic andesite (Tucson) PED-15-63
751 26.40 — KA/sani/ash-flow tuff - A Mtn. gray tuff (Tucson) PED-07B-63
760 26.60 — KA/biot/vitrophyre - Contzen Pass vitrophyre (Avra) 5-A-2
793 27.40 — KA/feld/air-fall tuff - A Mtn. air-fall tuff (Tucson) PED-01-62B
798 27.60 — KA/w.r./basaltic andesite - A Mtn. basaltic andesite (Brown Mtn.) PED-17-63

Tucson Mtns. (cont.)

832	28.50	-- KA/biot/andesite - Safford Peak upper andesite (Avra) MB-02-62
839	28.60	-- KA/plag/andesite porphyry - Turkey Track porphyry (Tucson) PED-16-63
876 **	30.50	-- KA/sani/ash-flow tuff - A Mtn. gray tuff (Tucson) PED-17-62
946	39.40	-- KA/biot/andesite - Rillito andesite (Brown Mtn.) PED-09-63
1060	58.10	-- KA/biot/andesite - Shorts Ranch Andesite (Cat Mtn.) PED-15-62
1065	58.60	-- KA/w.r./rhyolite porphyry - Twin Peaks porphyry (Avra) UAKA-73-86
1112	61.90	-- KA/biot/rhyolite - Biotite rhyolite (Cat Mtn.) PED-19-62
1182	66.40	-- KA/k-sp/rhyolite ash-flow tuff - Cat Mountain Rhyolite (Cat Mtn.) MB-03-62
1239	70.50	-- KA/biot/quartz latite dike - Silver Lily dike (Avra) UAKA-75-49
1257	71.90	-- KA/k-sp/rhyolite ash-flow tuff - Cat Mountain Rhyolite (Cat Mtn.) MB-01-62
1274	73.00	-- KA/biot/granite - Amole granite (Avra) PED-03-64
1289	74.50	-- KA/biot/granite - Amole granite (Avra) PED-11-63
1310	76.80	-- KA/biot/granophyre - Amole granite (Avra) PED-12-63
1361	155.00	-- KA/plag/andesite porphyry - Museum porphyry (Brown Mtn.) UAKA-67-200
1428 **	895.00	-- KA/musc/quartz monzonite - Twin Peaks quartz monzonite (Avra) UAKA-74-20

Tule Mtns.

1013	53.40	-- SR/w.r./granite - Gunnery Range granite (Tule Mtns.) SEVERAL
1015	53.70	-- SR/min./granite - Gunnery Range granite (Tule Mtns.) SEVERAL

Tumacacori Mtns.

784	27.13	-- KA/biot/ash-flow tuff - Corral de Piedras welded tuff (Tombstone SE) PED-09-62
1357	149.00	-- KA/biot/granodiorite - Amado granodiorite (Tubac) 74D84
1360	154.00	-- KA/biot/granodiorite - Amado granodiorite (Tubac) UAKA-73-65

Uinkaret Plateau

79	2.63	-- KA/w.r./basalt - Mt. Logan basalt (Mt. Logan) PED-43-66
99	3.47	-- KA/w.r./basalt - Mt. Trumbull basalt (Mt. Trumbull NW) PED-42-66
104	3.60	-- KA/w.r./basalt - Bundyville basalt (Jones Hill) PED-40-66
105	3.67	-- KA/w.r./basalt - Mt. Trumbull basalt (Mt. Trumbull NW) PED-42-66

Union Hills area

348	15.39	-- KA/w.r./basalt - Black Canyon basalt (Biscuit Flat) UAKA-78-44
588	22.60	-- KA/w.r./basalt - Sperry Gyroscope volcanics (Union Hills) ES:61
965 **	45.10	-- KA/w.r./basaltic andesite - Sperry Gyroscope volcanics (Union Hills) ES:61

Verde Valley

119	4.60	-- KA/w.r./basalt - Verde Fm. (Clarkdale) CD2
142	5.68	-- KA/w.r./basalt - Verde Fm. (Cornville) VV1
143	5.69	-- KA/glas/air-fall tuff - Verde Fm. (Camp Verde) UAKA-71-39
163	6.24	-- KA/glas/air-fall tuff - Verde Fm. (Camp Verde) UAKA-71-22
183	7.80	-- KA/glas/air-fall tuff - Verde Fm. (Horner Mtn.) UAKA-71-19
228	10.01	-- KA/w.r./andesite - Verde Hot Springs andesite (Verde Hot Springs) UAKA-73-83
315	13.90	-- KA/w.r./basalt - Dry Beaver Creek basalt (Lake Montezuma) UAKA-66-55
341	15.00	-- KA/biot/trachyandesite - Hickey Fm. (Cottonwood) A-43

Virgin River area

84	2.87	-- KA/w.r./basalt - Virgin River basalt (Littlefield) PED-31-66

Vulture Mtns.

304	13.50	-- KA/w.r./olivine basalt - Vulture mesa-capping basalt (Vulture Mtns.) UAKA-72-43
328	14.51	-- KA/w.r./basaltic andesite - Vulture volcanics (Wickenburg SW) UAKA-73-11
358	15.62	-- KA/w.r./basalt - Black Butte basalt (Aguila) UAKA-78-31
366 **	16.10	-- KA/w.r./K-rich dike - Vulture dike (Vulture Mtns.) UAKA-71-35B
367 **	16.10	-- KA/w.r./K-rich volcanic - Vulture volcanics (Vulture Mtns.) UAKA-76-16
374 **	16.20	-- KA/w.r./K-rich dike - Vulture dike (Vulture Mtns.) UAKA-71-35A
377 **	16.30	-- KA/w.r./K-rich volcanic - Vulture volcanics (Vulture Mtns.) UAKA-72-13
393	16.70	-- KA/w.r./basaltic andesite - Vulture volcanics (Vulture Mtns.) UAKA-72-60
398 **	17.10	-- KA/w.r./K-rich cataclasite - Vulture volcanics (Vulture Mtns.) UAKA-75-53
432 **	18.20	-- KA/biot/K-rich dike - Vulture dike (Vulture Mtns.) UAKA-72-44
493	20.02	-- KA/w.r./basalt - Vulture volcanics (Aguila) UAKA-78-48
743	26.00	-- KA/biot/rhyolite tuff - Vulture volcanics (Vulture Mtns.) UAKA-75-54
1128	62.90	-- KA/biot/granodiorite - Wickenburg granodiorite (Vulture Mtns.) UAKA-71-14
1173 **	65.60	-- KA/biot/granite - Vulture Mtn. granite (Vulture Mtns.) UAKA-75-55
1204	68.40	-- KA/biot/granodiorite - Wickenburg granodiorite (Vulture Mtns.) UAKA-71-34

Wagoner area

342 15.00 -- KA/biot/latite - Milk Creek Fm. (Walnut Grove) K3
346 15.20 -- KA/biot/latite - Milk Creek Fm. (Walnut Grove) K2

Weaver Mtns.

1433 ** 920.00 -- SR/micr/granite - Weaver Mtns. granite (Congress) A-46
1471 ** 1250.00 -- KA/biot/granite - Kirkland granite (Kirkland) UAKA-60-07

West Clear Creek

221 9.66 -- KA/w.r./basalt dike - West Clear Creek dike (Walker Mtn.) UAKA-77-162
238 10.57 -- KA/w.r./basalt - West Clear Creek basalt (Walker Mtn.) UAKA-77-164

Wet Beaver Creek

329 14.60 -- KA/w.r./basalt - Wet Beaver Creek basalt (Casner Butte) UAKA-77-168

Whetstone Mtns.

1302 76.00 -- KA/biot/granodiorite - Whetstone granodiorite (Apache Peak) M73:79
1303 76.00 -- KA/horn/granodiorite - Whetstone granodiorite (Apache Peak) M73:79

White Hills

201 8.66 -- KA/w.r./tuff - Hualapai tuff (Senator Mtn.) BA-1
353 15.40 -- KA/sani/air-fall tuff - Patsy Mine Volcanics (?) (Garnet Mtn.) 728A
1169 65.40 -- KA/musc/vein - Gold Basin vein (Garnet Mtn.) 837
1203 67.80 -- KA/musc/vein - Gold Basin vein (Garnet Mtn.) 278A
1214 68.80 -- KA/musc/vein - Gold Basin vein (Senator Mtn.) 923
1261 72.00 -- KA/musc/two-mica granite - Cyclopic stock (Senator Mtn.) 884
1307 ** 76.30 -- KA/biot/gneissic granodiorite - White Hills granodiorite (Garnet Mtn.) 999
1341 ** 126.90 -- KA/seri/alteration pipe - White Hills alteration (Garnet Mtn.) 79-GM-8B
1346 ** 130.30 -- KA/seri/alteration pipe - White Hills alteration (Garnet Mtn.) 79-GM-8B

White Mtns.

199 8.60 -- KA/k-sp/rhyolite - Mt. Baldy rhyolite (Mt. Ord) F-1966
205 8.90 -- KA/w.r./basalt - Post-Sheep Crossing Fm. basalt (Mt. Ord) R-1162

White Tank Mtns.

477 19.58 -- KA/biot/granodiorite - White Tanks Mtns. granodiorite (White Tank Mtns.) UAKA-73-14
1324 ** 88.20 -- KA/horn/granodiorite - White Tank granodiorite (White Tank Mtns.) A75:WT

Whitlock Mtns.

375 16.20 -- KA/w.r./basalt - Whitlock basalt (Whitlock Mtns. NE) R81:A
390 16.60 -- KA/plag/basalt - Whitlock basalt (Whitlock Mtns. NE) R81:A
598 22.80 -- KA/w.r./basaltic andesite - Javelina andesite (Whitlock Mtns. NE) R81:B
606 23.20 -- KA/biot/rhyolite - Soapweed rhyolite (Whitlock Mtns. NE) R81:C
678 24.90 -- KA/biot/rhyodacite - Powerline Pass rhyodacite (Dry Mtn.) R81:D
723 25.60 -- KA/w.r./basaltic andesite - Javelina andesite (Whitlock Cienega) R81:E
733 25.70 -- KA/ /volcanic rock - Whitlock Mtns. volcanics (Dry Mtn. (?)) SL-3A
740 25.90 -- KA/w.r./basaltic andesite - Javelina andesite (Javelina Peak) R81:F
767 26.70 -- KA/w.r./andesite - Badger Den Well andesite (Javelina Peak) R81:G
845 28.70 -- KA/w.r./andesite - Badger Den Well andesite (Javelina Peak) R81:G

Wickenburg Mtns.

385 16.57 -- KA/w.r./basaltic andesite - Box Canyon andesite (Sam Powell Peak) UAKA-79-66
1336 ** 111.00 -- KA/biot/monzonite porphyry - Constellation pluton (Morgan Butte) UAKA-72-25
1459 ** 1126.00 -- KA/mica/pegmatite - White Picacho pegmatite (?) (Red Picacho (?)) A57:3

Williams area

64 2.08 -- KA/w.r./basalt - Twin Springs basalt (Bill Williams Mtn.)
101 3.50 -- KA/biot/dacite - Bill Williams dacite (Bill Williams Mtn.)
111 4.10 -- KA/biot/dacite - Bill Williams dacite (Bill Williams Mtn.)
112 4.11 -- KA/w.r./basalt - Hell Canyon basalt (Bill Williams Mtn.)
113 4.17 -- KA/w.r./basalt dike - Hell Canyon basalt (Bill Williams Mtn.)
125 4.82 -- KA/w.r./basalt - Hell Canyon basalt (Bill Williams Mtn.)
130 5.15 -- KA/plag/dacite - Hell Canyon dacite (Bill Williams Mtn.)
145 5.70 -- KA/plag/dacite - Bill Williams dacite (Bill Williams Mtn.)

Yuma area

1091 ** 60.50 -- KA/biot/granitic gneiss - Yuma granitic gneiss (Yuma East) ES:116
941 ** 39.00 — KA/biot/granitic gneiss - Yuma granitic gneiss (Yuma East) ES:116

Yuma Desert

134 5.40 -- KA/w.r./basalt dike - Exxon Yuma-Federal No. 1 dike (South of Yuma) UAKA-74-120
380 16.40 — KA/w.r./andesitic tuff - Exxon Yuma-Federal No. 1 volc. (South of Yuma) ES:115
515 20.50 — KA/w.r./andesitic basalt - Exxon Yuma-Federal No. 1 volc. (South of Yuma) ES:115

Part III

List of Radiometric Age Determinations by Name of Rock Unit*

*See discussion of formal and informal rock-unit names in Introduction.

ROCK UNIT

RECORD	AGE	METHOD/MATERIAL/ROCK TYPE - AREA (QUADRANGLE) SAMPLE NO.
		111 Ranch tuff
66	2.17	-- FT/glas/air-fall tuff - San Simon Valley (Dry Mtn.) 78W208
69	2.33	-- FT/zirc/air-fall tuff - San Simon Valley (Dry Mtn.) 78W211
72	2.43	-- FT/glas/air-fall tuff - San Simon Valley (Dry Mtn.) 78W211
80	2.67	-- FT/glas/air-fall tuff - San Simon Valley (Dry Mtn.) 78W209
95	3.29	-- KA/glas/air-fall tuff - San Simon Valley (Dry Mtn.) RBS-206-68
		A Mtn. air-fall tuff
302 **	13.42	-- KA/feld/air-fall tuff - Tucson Mtns. (Tucson) PED-01-62
793	27.40	-- KA/feld/air-fall tuff - Tucson Mtns. (Tucson) PED-01-62B
		A Mtn. basaltic andesite
655	24.20	-- KA/w.r./basaltic andesite - Tucson Mtns. (Tucson) UAKA-76-33
739	25.90	-- KA/w.r./basaltic andesite - Tucson Mtns. (Tucson) PED-15-63
798	27.60	-- KA/w.r./basaltic andesite - Tucson Mtns. (Brown Mtn.) PED-17-63
		A Mtn. gray tuff
751	26.40	-- KA/sani/ash-flow tuff - Tucson Mtns. (Tucson) PED-07B-63
876 **	30.50	-- KA/sani/ash-flow tuff - Tucson Mtns. (Tucson) PED-17-62
		Aguila Mtns. basalt
318	14.00	-- KA/w.r./basalt - Aguila Mtns. (Aguila Mtns.) UAKA-79-55
		Aguila Ridge volcanics
407 **	17.35	-- KA/w.r./K-rich volcanic - Aguila Ridge (Date Creek Ranch SW) UAKA-78-30
435 **	18.30	-- FT/apat/ash-flow tuff - Aguila Ridge (Date Creek Ranch SE) 191-79
446 **	18.60	-- FT/zirc/ash-flow tuff - Aguila Ridge (Date Creek Ranch SE) 191-79
638	23.90	-- KA/biot/ash-flow tuff - Aguila Ridge (Date Creek Ranch SE) 191-79
		Ajo volcanics
347	15.39	-- KA/w.r./basalt - Gu Vo Hills (Diaz Peak) UAKA-72-41
360	15.71	-- KA/w.r./rhyolite - Gu Vo Hills (Diaz Peak) UAKA-72-40
368	16.10	-- KA/w.r./andesite - Ajo Range (Kino Peak) AK2100
410	17.40	-- KA/w.r./rhyolite - Ajo Range (Mount Ajo) UAKA-72-42
452	18.70	-- KA/sani/rhyolite - Growler Mtns. (Kino Peak) AK2091
548	21.60	-- KA/w.r./basalt - Crater Range (Midway) ES:107
564	22.00	-- KA/biot/rhyodacite tuff - Growler Mtns. (Growler Peak) 81AM96
635	23.80	-- KA/biot/andesite - Growler Mtns. (Growler Peak) G85:3
729	25.70	-- KA/w.r./basalt - Little Ajo Mtns. (Ajo) ES:108
		Alder Group
1608	1710.00	-- PB/zirc/rhyolite breccia & tuff - Mazatzal Mtns. (Reno Pass) GR-,TFBRC
1609	1710.00	-- PB/zirc/rhyolite - Diamond Butte area (Buzzard Roost Mesa)
		Ali Molina Formation
1380	194.00	-- PB/zirc/quartz porphyry - Baboquivari Mtns. (Baboquivari Peak)
		Amado granodiorite
1357	149.00	-- KA/biot/granodiorite - Tumacacori Mtns. (Tubac) 74D84
1360	154.00	-- KA/biot/granodiorite - Tumacacori Mtns. (Tubac) UAKA-73-65
		Amole granite
1274	73.00	-- KA/biot/granite - Tucson Mtns. (Avra) PED-03-64
1289	74.50	-- KA/biot/granite - Tucson Mtns. (Avra) PED-11-63
1310	76.80	-- KA/biot/granophyre - Tucson Mtns. (Avra) PED-12-63
		Amos Mtn. basalt
200	8.66	-- KA/w.r./basalt - Springerville volcanic field (Indian Pine) UAKA-80-135
208	8.97	-- KA/w.r./basalt - Springerville volcanic field (Indian Pine) UAKA-80-136

Amphitheatre basalt

55 1.89 — KA/w.r./basalt - San Francisco volcanic field (S P Mtn.) PED-07-67

Amphitheatre dike

92 3.13 — KA/w.r./basalt dike - San Francisco volcanic field (S P Mtn.) PED-07-70

Anderson Mesa basalt

150 5.88 — KA/w.r./basalt - San Francisco volcanic field (Lower Lake Mary) JSL-21-70
165 6.39 — KA/w.r./basalt - Anderson Mesa (Lower Lake Mary) PED-15-64

Anderson Mine basalt

248 11.00 -- KA/w.r./basalt - Date Creek Basin area (Arrastra Mtn. SE) AP76-186A

Antelope Peak basalt

622 23.60 -- KA/w.r./basalt - Table Top Mtns. (Antelope Peak) ES:01

Antelope quartz latite

464 19.20 -- KA/biot/quartz latite - Black Mtns. (Mt. Nutt) 558A

Apache Leap Tuff

402 ** 17.17 — KA/biot/ash-flow tuff - Globe-Miami area (Inspiration (?)) PED-04-59
486 19.90 -- KA/biot/ash-flow tuff - Superior area (Superior) C62:10
506 20.40 — KA/biot/ash-flow tuff - Superior area (Superior) PED-04-62

Aquarius Mtns. pegmatite

1558 ** 1521.00 — SR/micr/pegmatite - Aquarius Mtns. (Tule Wash) A-37

Aquarius Mtns. qtz monzonite

1563 ** 1553.00 — SR/biot/quartz monzonite - Aquarius Mtns. (Tule Wash) A-35

Arizona State A-1 gneiss

722 ** 25.60 — KA/biot/granodiorite gneiss - Florence area (Picacho Reservoir SE) RR:6
818 ** 28.10 -- KA/horn/granodiorite gneiss - Florence area (Picacho Reservoir SE) RR:7
821 ** 28.20 — KA/biot/granodiorite gneiss - Florence area (Picacho Reservoir SE) RR:4
883 ** 31.10 — KA/biot/granodiorite gneiss - Florence area (Picacho Reservoir SE) RR:5

Arizona State A-1 granite

698 ** 25.20 -- KA/biot/granite - Florence area (Picacho Reservoir SE) RR:3

Arlington basalt

38 1.28 — KA/w.r./basalt - Arlington Valley (Arlington) UAKA-73-150
57 1.92 — KA/w.r./basalt - Arlington Valley (Hassayampa) UAKA-73-09
63 2.08 — KA/w.r./basalt - Arlington Valley (Arlington) UAKA-73-149
67 2.17 — KA/w.r./basalt - Arlington Valley (Hassayampa) UAKA-73-152
68 2.28 — KA/w.r./basalt - Arlington Valley (Arlington) UAKA-73-151
94 3.28 — KA/w.r./basalt - Arlington Valley (Arlington) UAKA-73-03
147 ** 5.80 — KA/w.r./basalt - Arlington Valley (Arlington) R-2661

Arnett Creek quartz diorite

1280 73.50 — KA/biot/quartz diorite - Superior area (Picketpost Mtn.) KA-71-43

Arrastra Mtn. volcanics

419 ** 17.60 — KA/w.r./dacite flow - Date Creek Basin area (Arrastra Mtn. SE) AP76-32
959 ** 42.60 — KA/biot/andesite - Date Creek Basin area (Palmerita Ranch) KA-1237

Artillery Fm.

305 ** 13.60 — KA/w.r./K-rich volcanic - Artillery Mtns. (Artillery Peak) AP78-02
376 16.28 -- KA/w.r./basalt - Artillery Mtns. (Artillery Peak) UAKA-74-04
440 18.38 — KA/biot/rhyolite - Artillery Mtns. (Artillery Peak) KA-1236
448 18.60 -- KA/horn/trachybasalt - Buckskin Mtns. (Swansea) NS-06-95
487 19.90 — KA/w.r./rhyolite - Artillery Mtns. (Artillery Peak) UAKA-78-46
547 21.60 -- KA/w.r./basalt - Artillery Mtns. (Artillery Peak) ES:85

Ash Peak Canyon rhyolite

603 23.10 -- KA/biot/rhyolite - Peloncillo Mtns. (Guthrie) R83:I

Aubrey Peak rhyolite

279 12.40 -- KA/sani/rhyolite - Aubrey Peak area (Castaneda Hills) CHNE-153

Aubrey turkey track porphyry

399 17.10 -- KA/plag/basalt - Aubrey Hills (Standard Wash) 1872

Austin Peak basalt

433 18.23 -- KA/w.r./basalt - Aquarius Mtns. (Meath Spring)

Baboquivari pegmatite

874 ** 30.30 -- KA/musc/pegmatite dike - Baboquivari Mtns. (Presumido Peak) UAKA-73-70

Badger Den Well andesite

767 26.70 -- KA/w.r./andesite - Whitlock Mtns. (Javelina Peak) R81:G
845 28.70 -- KA/w.r./andesite - Whitlock Mtns. (Javelina Peak) R81:G

Badger Springs granodiorite

1622 1740.00 -- PB/zirc/granodiorite - Bradshaw Mtns. (Columbia)

Bagdad gneissic rhyolite

1614 1720.00 -- PB/zirc/rhyolite - Bagdad area (Bagdad)

Bagdad metarhyolite

1613 1720.00 -- PB/zirc/metarhyolite - Bagdad area (Bagdad)

Bagdad pegmatite

1543 1450.00 -- KA/musc/pegmatite - Bagdad area (Bagdad) UAKA-60-06
1566 1560.00 -- KA/musc/pegmatite - Bagdad area (Bagdad) UAKA-60-06

Bagdad porph. granodiorite

1615 1720.00 -- PB/zirc/granodiorite - Bagdad area (Bagdad)

Bagdad stock

1266 72.60 -- KA/biot/quartz monzonite - Bagdad area (Bagdad) PED-17-64

Baker Butte basalt

257 11.40 -- KA/w.r./basalt - Tonto Segment (Buckhead Mesa) UAKA-73-78

Bartlett Dam andesite

336 14.78 -- KA/w.r./andesite - Lower Verde area (Bartlett Dam) UAKA-77-151

Batamote Andesite

351 15.40 -- KA/w.r./basalt - Growler Mtns. (Growler Peak) ES:109
356 15.52 -- KA/w.r./andesite - Batamote Mtns. (Ajo) UAKA-72-64

Bates Mtns. andesite

394 16.70 -- KA/horn/andesite - Bates Mtns. (Kino Peak) AK2087

Bear Spring andesite

761 26.60 -- KA/w.r./andesite - Gila Mtns. (Safford) H85:B

Beavertail Butte basalt

310 13.75 -- KA/w.r./basalt - Dry Beaver Creek (Sedona) UAKA-77-77
352 15.40 -- KA/w.r./basalt - Dry Beaver Creek (Sedona) UAKA-77-76

Bernardino basalt

10 0.27 — KA/w.r./basalt - San Bernardino Valley (College Peaks) UAKA-75-109
33 1.00 — KA/w.r./basalt - San Bernardino Valley (Apache) 72D6

Bernardino older basalt

96 3.30 — KA/w.r./basalt - Pedregosa Mtns. (Pedregosa Mtns.) UAKA-72-61

Bidahochi Fm.

114 4.20 -- KA/w.r./basalt - Hopi Buttes (White Cone) KA-1027
172 6.86 — KA/w.r./basalt - Hopi Buttes (White Cone) UAKA-73-133
245 ** 10.85 -- KA/glas/air-fall tuff - Hopi Buttes (White Cone) UAKA-73-137

Biery No. 1 Federal volcanics

586 ** 22.60 -- KA/w.r./K-rich volcanic - Paradise Valley (Currys Corner) ES:62
592 ** 22.65 — KA/w.r./K-rich volcanic - Paradise Valley (Currys Corner) UAKA-74-148

Big Bug stock

1226 70.00 — KA/biot/granodiorite - Bradshaw Mtns. (Mayer) A68:7B

Big Dome Fm.

333 ** 14.70 — KA/biot/ash-flow tuff - Ray area (Kearny) B72:22B
418 17.60 -- KA/horn/ash-flow tuff - Ray area (Kearny) B72:22H

Big Sandy Fm.

138 5.50 -- FT/zirc/tuff - McCracken Mtns. (Beecher Canyon) R1-R3
220 9.62 — KA/w.r./basalt - Burro Creek area (Kaiser Spring (?)) UAKA-70-13

Bill Williams Mtns. dike

234 10.30 — KA/sani/rhyolite dike - Bill Williams Mtns. (Castaneda Hills) CHSW-158

Bill Williams Mtns. rhyolite

309 13.70 — KA/sani/rhyolite - Bill Williams Mtns. (Castaneda Hills) CHNW-154

Bill Williams basalt

212 9.20 -- KA/w.r./basalt - Castaneda Hills (Castaneda Hills) CH-111
213 9.20 — KA/w.r./basalt - Artillery Mtns. (Artillery Peak) AP-19
225 10.00 — KA/w.r./basalt - Buckskin Mtns. (Monkeys Head) YU-179-PW
251 11.30 -- KA/w.r./basalt - Castaneda Hills (Castaneda Hills) CHSE-135A
292 13.00 — KA/w.r./basalt - Castaneda Hills (Castaneda Hills) CHSE-164
296 13.10 -- KA/w.r./basalt - Castaneda Hills (Castaneda Hills) CH-47
702 ** 25.30 — KA/plag/olivine basalt - Buckskin Mtns. (Monkeys Head) 1878

Bill Williams dacite

101 3.50 — KA/biot/dacite - Williams area (Bill Williams Mtn.)
111 4.10 — KA/biot/dacite - Williams area (Bill Williams Mtn.)
145 5.70 — KA/plag/dacite - Williams area (Bill Williams Mtn.)

Biotite rhyolite

1112 61.90 — KA/biot/rhyolite - Tucson Mtns. (Cat Mtn.) PED-19-62

Black Butte basalt

358 15.62 -- KA/w.r./basalt - Vulture Mtns. (Aguila) UAKA-78-31

Black Canyon basalt

348 15.39 — KA/w.r./basalt - Union Hills area (Biscuit Flat) UAKA-78-44

Black Mtns. tuff

151 ** 5.90 -- KA/biot/tuff - Black Mtns. (Boundary Cone) RD-01

Black Point basalt

73 2.43 -- KA/w.r./olivine basalt - San Francisco volcanic field (Wupatki NE) PED-06-65
230 ** 10.14 -- KA/plag/basalt - San Francisco volcanic field (Merriam Crater) PED-06-65P

Black Rock diatreme

756 26.50 -- KA/phlo/minette - Defiance Plateau (Buell Park) BR4

Blanco Spring quartz monzonite

1576 ** 1610.00 -- SR/w.r./quartz monzonite - Bradshaw Mtns. (Battle Flat) CAA-5

Bland quartz diorite

1616 1720.00 -- PB/zirc/quartz diorite - Bradshaw Mtns. (Bumble Bee)

Blue House Mtn. basalt

559 21.90 -- KA/w.r./basalt - Carrizo Embayment (Blue House Mtn.) UAKA-76-109

Blue Mtn. basalt

330 14.63 -- KA/w.r./basalt - Hualapai Plateau (Grand Canyon Caverns) PED-30-66

Blue Range volcanics

637 23.86 -- KA/w.r./basaltic andesite - Blue Range area (Robinson Mesa) PED-32-67
640 23.91 -- KA/biot/rhyolite - Blue Range area (Dutch Blue Creek) PED-36-67
929 36.10 -- KA/horn/andesite - Blue Range area (Rose Peak) PED-09-69
939 38.30 -- KA/horn/andesite - Blue Range area (Rose Peak) PED-33-67

Bonita Creek volcanics

523 20.62 -- KA/w.r./basaltic andesite - Gila Mtns. (Guthrie) UAKA-78-32

Bootleg Lake basalt

54 1.83 -- KA/w.r./basalt - Springerville volcanic field (Indian Pine) UAKA-80-134

Bouse Hills andesite

513 20.50 -- KA/biot/andesite - Bouse Hills (Utting) ES:90

Bouse Hills granodiorite

381 16.46 -- KA/biot/granodiorite - Bouse Hills (Utting) UAKA-73-127

Bowie Mtn. granodiorite

887 31.50 -- KA/biot/granodiorite - Chiricahua Mtns. (Bowie Mtn. South) M73:99

Box Canyon andesite

385 16.57 -- KA/w.r./basaltic andesite - Wickenburg Mtns. (Sam Powell Peak) UAKA-79-66

Box Canyon dike

758 26.50 -- KA/sani/rhyolite dike - Santa Rita Mtns. (Helvetia) M73:15

Brady Butte Granodiorite

1468 ** 1235.00 -- KA/biot/granodiorite - Bradshaw Mtns. (Mt. Union) 123
1469 ** 1240.00 -- SR/biot/granodiorite - Bradshaw Mtns. (Battle Flat) W-123
1474 ** 1270.00 -- KA/biot/granodiorite - Bradshaw Mtns. (Mt. Union) 550
1623 1750.00 -- PB/zirc/granodiorite - Bradshaw Mtns. (Battle Flat) A71:3,4

Brawley Wash basalt

247 10.99 -- KA/w.r./basalt - Roskruge Mtns. (Three Points) MB-07-64

Bryce Mtn. volcanics

741 25.90 -- KA/horn/dacite - Gila Mtns. (Safford) H85:C
766 26.70 -- KA/ /volcanic rock - Gila Mtns. (Bryce Mtn. (?)) AV-14B
772 26.90 -- KA/ /volcanic rock - Gila Mtns. (Bryce Mtn. (?)) AV-2A
778 27.00 -- KA/ /volcanic rock - Gila Mtns. (Bryce Mtn. (?)) AV-11A

Bryce Mtn. volcanics (cont.)

819	28.20	-- KA/	/volcanic rock - Gila Mtns. (Bryce Mtn. (?)) AV-4B
820	28.20	-- KA/	/volcanic rock - Gila Mtns. (Bryce Mtn. (?)) AV-11B
847	28.80	-- KA/	/basaltic andesite - Gila Mtns. (Bryce Mtn. (?)) AV-8A
848	28.80	-- KA/	/volcanic rock - Gila Mtns. (Bryce Mtn. (?)) AV-17B
851	29.00	-- KA/	/volcanic rock - Gila Mtns. (Bryce Mtn. (?)) AV-18B
875	30.30	-- KA/	/volcanic rock - Gila Mtns. (Bryce Mtn. (?)) AV-18B
896	32.10	-- KA/	/volcanic rock - Gila Mtns. (Bryce Mtn. (?)) AV-15B
911	33.70	-- KA/	/volcanic rock - Gila Mtns. (Bryce Mtn. (?)) AV-15B
913	33.90	-- KA/	/volcanic rock - Gila Mtns. (Bryce Mtn. (?)) AV-15B

Bucket Mtn. basalt

177 7.46 -- KA/w.r./basalt - San Carlos area (Bucket Mtn.) UAKA-76-130

Buckhead Mesa basalt

273 12.10 -- KA/w.r./basalt - Payson area (Buckhead Mesa) UAKA-73-79

Buckskin Mtns. augen gneiss

424 ** 17.90 -- KA/feld/gneiss - Buckskin Mtns. (Swansea) NS-08-262

Buckskin Mtns. phyllite

671 ** 24.70 -- KA/w.r./phyllite - Buckskin Mtns. (Cross Roads) 1877

Buckskin Mtns. rhyolite

1033 ** 56.10 -- KA/plag/rhyolite - Buckskin Mtns. (Cross Roads) 1887

Buell Park diatreme

485 **	19.90	-- KA/phlo/minette dike - Defiance Plateau (Buell Park) N240
676	24.90	-- KA/phlo/minette - Defiance Plateau (Buell Park) N255
738	25.90	-- KA/phlo/minette - Defiance Plateau (Buell Park) BP37
745	26.10	-- KA/phlo/minette - Defiance Plateau (Buell Park) BP34
878	30.60	-- FT/apat/granite xenolith - Defiance Plateau (Buell Park) BP2B
901	32.90	-- FT/apat/granite xenolith - Defiance Plateau (Buell Park) BP2A
920	34.80	-- KA/phlo/minette - Defiance Plateau (Buell Park) BP75
1363 **	159.00	-- FT/zirc/granite xenolith - Defiance Plateau (Buell Park) BP2
1386 **	227.00	-- FT/sphe/granite xenolith - Defiance Plateau (Buell Park) BP2

Bullard andesite

361 ** 15.77 -- KA/w.r./K-rich volcanic - Harcuvar Mtns. (Smith Peak) UAKA-78-49

Bumblebee granodiorite

1621 1740.00 -- PB/zirc/granodiorite - Bradshaw Mtns. (Cleator)

Bundyville basalt

104 3.60 -- KA/w.r./basalt - Uinkaret Plateau (Jones Hill) PED-40-66

Burro Creek basalt

190	8.24	-- KA/w.r./basalt - Burro Creek area (Kaiser Spring) UAKA-74-81
203	8.80	-- KA/w.r./basalt - Burro Creek area (Kaiser Spring) UAKA-74-82
587 **	22.60	-- KA/w.r./basalt - Burro Creek area (Kaiser Spring) ES:84

Burro Creek granite

1404 ** 577.00 -- KA/biot/granite - Burro Creek area (Arrastra Mtn. NE) UAKA-64-19

Butte Falls rhyolite tuff

1620 1740.00 -- PB/zirc/rhyolite tuff - Bagdad area (Bagdad)

Cabeza Prieta volcanics

371	16.12	-- KA/w.r./andesite - Cabeza Prieta Mtns. (Cabeza Prieta Peak) UAKA-74-122
422	17.81	-- KA/horn/andesite dike - Cabeza Prieta Mtns. (Cabeza Prieta Peak) UAKA-76-41

Cactus Forest granodiorite

1159 64.70 -- KA/biot/granodiorite - Picacho Mtns. (Cactus Forest)

Calcite Mine schist

1156 ** 64.60 -- KA/musc/mica schist - Granite Wash Mtns. (Salome) HVR-1

Camptonite dike

118 ** 4.46 -- KA/plag/camptonite dike - Lake Mead area (Ringbolt Rapids) PED-06-66
122 ** 4.70 -- KA/kaer/camptonite dike - Lake Mead area (Ringbolt Rapids) A70:28
132 ** 5.35 -- KA/kaer/camptonite dike - Lake Mead area (Ringbolt Rapids) PED-06-66
154 ** 5.98 -- KA/w.r./camptonite dike - Lake Mead area (Ringbolt Rapids) PED-06-66
217 ** 9.53 -- KA/w.r./camptonite dike - Lake Mead area (Ringbolt Rapids) PED-06-66

Candelaria breccia pipe

1005 52.60 -- KA/seri/breccia - Morenci area (Clifton) B-5

Canelo Hills Volcanics

1353 ** 144.00 -- SR/w.r./welded tuff - Huachuca Mtns. (Huachuca Peak) HH-443
1354 147.00 -- KA/biot/welded tuff - Huachuca Mtns. (Huachuca Peak) M73:65
1355 148.00 -- SR/w.r./volcanics - Canelo Hills (O'Donnell Canyon) SEVERAL
1373 169.00 -- KA/biot/welded tuff - Huachuca Mtns. (Huachuca Peak) M73:69
1375 177.00 -- KA/biot/rhyolitic tuff - Canelo Hills. (Canelo Pass) M73:70

Canoa Ranch pegmatite

944 ** 39.20 -- SR/musc/pegmatite - Sierrita Mtns. (Twin Buttes) RM-09-63
1000 52.20 -- KA/musc/pegmatite - Sierrita Mtns. (Twin Buttes) RM-09-63

Canyon Creek basalt

522 20.62 -- KA/w.r./basalt - Carrizo Embayment (Oak Creek Ranch) UAKA-76-94

Cardenas Lavas

1414 ** 790.00 -- KA/w.r./basalt - Grand Canyon (Vishnu Temple) B-4
1417 ** 801.00 -- KA/w.r./basalt - Grand Canyon (Vishnu Temple) TB-6
1418 ** 820.00 -- KA/w.r./basalt - Grand Canyon (Vishnu Temple) B-8
1423 ** 843.00 -- KA/w.r./basalt - Grand Canyon (Vishnu Temple) EM:1
1424 ** 853.00 -- KA/w.r./basalt - Grand Canyon (Vishnu Temple)
1449 1067.00 -- SR/w.r./basalt - Grand Canyon (Vishnu Temple) B-3 TO B-8
1462 1155.00 -- SR/w.r./diabase and basalt - Grand Canyon (Vishnu Temple) TIS-1

Carrizo laccolith

1221 69.60 -- KA/horn/diorite porphyry - Carrizo Mtns. (Pastora Peak) 748
1222 69.60 -- KA/w.r./diorite porphyry - Carrizo Mtns. (Pastora Peak) 748R

Cascabel fm.

1151 64.40 -- KA/biot/ash-flow tuff - Galiuro Mtns. (Redington)

Casner Mtn. basalt

274 12.10 -- KA/w.r./basalt - Sycamore Canyon (Loy Butte) PED-29-66

Castaneda Hills basalt

383 16.50 -- KA/w.r./basalt - Castaneda Hills (Castaneda Hills) CH-61
451 18.70 -- KA/w.r./basalt - Castaneda Hills (Castaneda Hills) CH-49

Castaneda Hills rhyolite

265 11.70 -- KA/biot/rhyolite - Castaneda Hills (Castaneda Hills) CHNW-155
280 12.40 -- KA/sani/rhyolite - Castaneda Hills (Castaneda Hills) CHNE-151
283 12.70 -- KA/sani/rhyolite - Castaneda Hills (Castaneda Hills) CHNW-156
294 13.10 -- KA/sani/rhyolite - Castaneda Hills (Castaneda Hills) CHNW-159
345 15.10 -- KA/sani/rhyolite - Castaneda Hills (Castaneda Hills) CHNE-152

Castaneda megacrystic basalt

135 ** 5.40 -- KA/plag/basalt - Castaneda Hills (Castaneda Hills) CH-79
171 6.80 -- KA/w.r./basalt - Castaneda Hills (Castaneda Hills) CH-92

Castaneda megacrystic basalt (cont.)

178 7.50 — KA/w.r./basalt - Castaneda Hills (Castaneda Hills) CH-78
179 7.50 — KA/w.r./basalt - Castaneda Hills (Castaneda Hills) IL-CH-77-8
181 7.70 — KA/w.r./basalt - Castaneda Hills (Castaneda Hills) CHSE-166
198 8.60 — KA/w.r./basalt - Bill Williams Mtns. (Parker Dam) MSMF

Castaneda qtz-bearing basalt

278 12.40 — KA/w.r./basalt-basaltic andesite - Castaneda Hills (Castaneda Hills) CH-58B
285 12.80 — KA/w.r./basalt - Date Creek Basin area (Artillery Peak) AP76-37
308 13.70 — KA/w.r./basalt-basaltic andesite - Castaneda Hills (Castaneda Hills) CH-26

Castle Dome dike

459 19.00 — KA/plag/dacite dike - Castle Dome Mtns. (Castle Dome Mtns.) CD-2

Castle Dome volcanics

505 20.39 — KA/plag/basaltic andesite - Castle Dome Mtns. (Engesser Pass) CD-72
507 20.40 — KA/w.r./rhyolite dike - Castle Dome Mtns. (Castle Dome Mtns.) CD-09
573 22.20 — KA/biot/rhyolite - Castle Dome Mtns. (Livingston Hills) CD-77
575 22.28 — KA/biot/rhyolitic tuff - Castle Dome Mtns. (Castle Dome Mtns.) CD-92
616 23.50 — KA/biot/rhyolitic tuff - Castle Dome Mtns. (Castle Dome Mtns.) CD-75
688 25.00 — KA/biot/dacite welded tuff - Castle Dome Mtns. (Red Bluff Mtn.) CD-85

Cat Mountain Rhyolite

1182 66.40 — KA/k-sp/rhyolite ash-flow tuff - Tucson Mtns. (Cat Mtn.) MB-03-62
1257 71.90 — KA/k-sp/rhyolite ash-flow tuff - Tucson Mtns. (Cat Mtn.) MB-01-62

Catalina granite

462 ** 19.20 — SR/w.r./aplite - Santa Catalina Mtns. (Oracle) 35-39-73
511 ** 20.50 -- FT/apat/granite - Santa Catalina Mtns. (Oracle) BR-16
531 ** 20.90 -- FT/apat/granite - Santa Catalina Mtns. (Mt. Lemmon) ML-61
537 ** 21.10 — KA/biot/granite - Santa Catalina Mtns. (Ruelas Canyon) RC3-1
550 ** 21.70 — KA/horn/granite - Santa Catalina Mtns. (Ruelas Canyon) RC3-1
599 ** 22.90 -- KA/horn/granite - Santa Catalina Mtns. (Mt. Lemmon) ML-61
614 ** 23.50 — FT/apat/granite - Santa Catalina Mtns. (Oracle) BR-21
629 ** 23.70 -- KA/biot/granite - Santa Catalina Mtns. (Oracle) BR-21
633 ** 23.80 — KA/biot/granite - Santa Catalina Mtns. (Oracle) BR-16
644 24.00 — KA/horn/granite - Santa Catalina Mtns. (Oracle) BR-21
668 24.60 -- KA/biot/granite - Santa Catalina Mtns. (Mt. Lemmon) ML-61
689 25.10 -- FT/zirc/granite - Santa Catalina Mtns. (Oracle) BR-16
713 25.50 — SR/w.r./granite - Santa Catalina-Tortolita Mtns. (Mt. Lemmon) SEVERAL
718 25.60 — KA/biot/granite - Santa Catalina Mtns. (Mt. Lemmon) PED-16-59
755 26.50 — PB/zirc/granite - Santa Catalina Mtns. (Mt. Lemmon)
781 27.10 -- FT/zirc/granite - Santa Catalina Mtns. (Mt. Lemmon) ML-61
815 28.10 — FT/sphe/granite - Santa Catalina Mtns. (Oracle) BR-16
827 28.40 -- FT/sphe/granite - Santa Catalina Mtns. (Mt. Lemmon) ML-61
852 29.10 — FT/zirc/granite - Santa Catalina Mtns. (Oracle) BR-21
870 30.10 -- FT/sphe/granite - Santa Catalina Mtns. (Oracle) BR-21

Catalina granite (?)

811 28.00 — KA/biot/foliated granite - Tortolita Mtns. (Ruelas Canyon) PED-20-62

Catalina granite inclusion

545 ** 21.40 — FT/apat/mafic inclusion - Santa Catalina Mtns. (Oro Valley) ML-60
650 ** 24.10 — KA/biot/mafic inclusion - Santa Catalina Mtns. (Oro Valley) ML-60
677 ** 24.90 — KA/w.r./quartz diorite inclusion - Santa Catalina Mtns. (Mt. Lemmon (?)) K80:24
846 ** 28.80 -- FT/sphe/mafic inclusion - Santa Catalina Mtns. (Oro Valley) ML-60
934 ** 36.80 — KA/horn/mafic inclusion - Santa Catalina Mtns. (Oro Valley) ML-60

Cave Creek area basalt

543 21.34 — KA/w.r./basalt - Cave Creek area (New River Mesa) UAKA-77-108
609 23.30 -- KA/w.r./basalt - Cave Creek area (New River Mesa) UAKA-70-05

Cave Creek fm.

558 21.87 -- KA/sani/rhyolite - Chiricahua Mtns. (Fife Peak) DM-04-67
696 25.11 -- KA/sani/rhyolite - Chiricahua Mtns. (Portal) DM-01-68
753 26.42 -- KA/biot/rhyolite - Chiricahua Mtns. (Portal) DM-06-67

Cedar Ranch Mesa basalt

141 5.62 — KA/w.r./basalt - San Francisco volcanic field (Ebert Mtn.) UAKA-73-155

Cedar Wash granite

1227 70.00 — KA/biot/granite - Hualapai Mtns. (Dean Peak) B-3366

Cement Canyon pegmatite

1493 ** 1340.00 — KA/musc/pegmatite - Dos Cabezas Mtns. (Dos Cabezas) DH85:1

Cerbat Mtns. gneiss

1488 ** 1331.00 — SR/biot/gneiss - Cerbat Mtns. (Elements Canyon) A-10

Cerbat Mtns. granite

1465 ** 1180.00 — KA/biot/granite - Cerbat Mtns. (Chloride) UAKA-57-19

Cerbat Mtns. mineralization

1379 ** 191.00 — PB/gale/mineralization - Cerbat Mtns. (Stockton Hill) M65:1

Cerbat Mtns. pegmatite

1444 ** 1050.00 -- KA/biot/pegmatite - Cerbat Mtns. (Kingman NW) UAKA-57-20
1568 ** 1572.00 -- SR/micr/pegmatite - Cerbat Mtns. (Elements Canyon) A-12A

Cerro Colorado volcanics

636 23.85 — KA/w.r./basaltic andesite - Cerro Colorado Mtns. (Saucito Mtn.) JKP-02-68

Cerro Hueco basalt

37 1.19 — KA/w.r./picritic basalt - Springerville volcanic field (Cerro Hueco) UAKA-82-192

Cerro Prieto basalt

430 18.05 — KA/w.r./basalt - Silver Bell Mtns. (Samaniego Hills) RLE-27-67
572 22.15 -- KA/w.r./basalt - Silver Bell Mtns. (Silver Bell Peak) RLE-31-68

Chapin Wash Fm.

466 19.20 — KA/w.r./basaltic andesite - Date Creek Basin area (Palmerita Ranch) AP76-35

Chapin Wash Fm. (?)

964 ** 44.70 -- KA/w.r./basalt - Artillery Mtns. (Artillery Peak) KA-1235
981 ** 49.20 -- KA/biot/tuff - Buckskin Mtns. (Ives Peak) ES:87

Charleston alteration

1309 76.40 -- KA/seri/alteration - Tombstone Hills (Fairbank)

Charleston dike

1311 77.40 -- KA/horn/rhyodacite dike - Tombstone Hills (Tombstone SW) A-2197

Charlie Bell Pass andesite

555 21.80 — KA/biot/andesite - Growler Mtns. (Growler Peak) G85:2
566 22.00 -- KA/biot/andesite - Growler Mtns. (Growler Peak) G85:2

Cherry Springs quartz diorite

1579 ** 1620.00 -- KA/horn/quartz diorite - Black Hills (Mingus Mtn.) L68:G
1585 ** 1635.00 — KA/horn/quartz diorite - Black Hills (Mingus Mtn.) L68:G
1592 ** 1670.00 — KA/biot/granodiorite - Black Hills (Mingus Mtn.) CAA-2
1594 ** 1692.00 — KA/horn/quartz diorite - Black Hills (Mingus Mtn.) L68:F
1599 ** 1696.00 -- KA/biot/quartz diorite - Black Hills (Mingus Mtn.) L68:G
1601 ** 1697.00 -- KA/biot/quartz diorite - Black Hills (Mingus Mtn.) L68:F
1618 1740.00 -- PB/zirc/quartz diorite - Black Hills (Humbolt) A71:7,8,9

Chico Shunie pegmatite

1520 1400.00 — KA/amph/pegmatite - Growler Mtns. (Growler Peak) G85:4

Childs Latite

436 18.30 -- KA/plag/andesite - Crater Range (Midway) 81AM57

Chinle Formation

1329 ** 97.00 -- PB/uran/mineralization - Cameron area (Wupatki NE) K-183A
1342 ** 127.00 -- PB/uran/mineralization - Cameron area (Cameron) K-178
1364 ** 160.00 -- PB/uran/mineralization - Cameron area (Wupatki NE) K-183B
1372 ** 169.00 -- PB/uran/mineralization - Cameron area (Cameron) K-151
1381 196.00 -- KA/w.r./volcanics - Cameron area (Cameron) UAKA-80-48
1383 210.00 -- KA/w.r./volcanic cobble - Cameron area (Cameron) UAKA-80-47
1384 222.20 -- KA/w.r./volcanic cobble - Cameron area (Cameron) UAKA-85-91
1385 222.80 -- KA/w.r./volcanic cobble - Cameron area (Cameron) UAKA-85-90
1388 ** 236.00 -- SR/w.r./rhyolite pebbles - Petrified Forest area (Carrizo Butte)

Chino Creek granite

1491 ** 1340.00 -- KA/biot/granite - Juniper Mtns. (Turkey Canyon) UAKA-59-25
1546 1460.00 -- KA/musc/granite - Juniper Mtns. (Turkey Canyon) UAKA-59-25

Chiricahua volcanics

714 25.50 -- FT/zirc/rhyolite dike - Chiricahua Mtns. (Cochise Head)
837 28.60 -- FT/zirc/dacite porphyry - Chiricahua Mtns. (Portal) M78:33

Chirreon Wash Granodiorite

691 ** 25.10 -- KA/biot/granodiorite - Tortolita Mtns. (Tortolita Mtns.) UAKA-75-86

Chloride granite

1464 ** 1180.00 -- KA/biot/granite - Cerbat Mtns. (Chloride) UAKA-57-18
1466 ** 1184.00 -- SR/biot/granite - Cerbat Mtns. (Chloride) PED-18-57

Christmas andesite porphyry

1315 81.70 -- KA/horn/andesite - Dripping Spring Mtns. (Hayden) 54AB75

Christmas basalt dike

715 25.50 -- KA/w.r./basalt dike - Dripping Spring Mtns. (Hayden) AB49-73

Christmas dike

1305 76.20 -- KA/horn/andesite porphyry dike - Dripping Spring Mtns. (Christmas) 72AB74

Christmas stock

1143 64.00 -- KA/biot/granodiorite porphyry - Dripping Spring Mtns. (Christmas) C62:12

Christmas vein

1120 62.50 -- KA/seri/vein - Dripping Spring Mtns. (Hayden) D148-337
1125 62.80 -- KA/biot/vein - Dripping Spring Mtns. (Christmas) CS-01-75

Cienega District granite

1052 ** 57.50 -- KA/w.r./granite - Buckskin Mtns. (Cross Roads) 1879

Circle I Hills granite

829 28.43 -- KA/biot/granite - Sulphur Springs Valley (Willcox) UAKA-73-13

Clanton Hills volcanics

618 23.60 -- KA/biot/rhyolitic tuff - Clanton Hills (Eagletail Mtns.) ES:101
842 28.70 -- KA/biot/basaltic andesite - Clanton Hills (Eagletail Mtns.) ES:102

Clay Spring diorite

1172 65.50 -- KA/ /diorite - Music Mtns. (Music Mtns. NE) Y79:1

Clear Creek granite

1439 ** 958.00 -- KA/biot/granite - Grand Canyon (Bright Angel) EM:4

Cleator pegmatite

1555 ** 1500.00 -- KA/musc/pegmatite - Bradshaw Mtns. (Cleator) UAKA-60-04

Clifton tuff

899 32.70 -- FT/zirc/tuff - Morenci area (Clifton) TF4A
910 33.70 -- KA/biot/tuff - Morenci area (Clifton) PED-12-65

Cloudburst Fm.

584 22.50 -- KA/sani/rhyolite - San Manuel area (Oracle)
826 28.30 -- KA/w.r./alkali basalt - San Manuel area (Oracle) UAKA-77-61

Cobweb Basalt

299 13.30 -- KA/w.r./basalt - Artillery Mtns. (Artillery Peak) ES:86

Cochise Head andesite

895 32.00 -- KA/biot/andesite - Chiricahua Mtns. (Cochise Head) DH82:2

Cocoraque Butte granodiorite

1230 70.30 -- KA/biot/granodiorite - Roskruge Mtns. (Cocoraque Butte) MB-10-64

Cocoraque Fm.

1335 111.00 -- KA/w.r./andesite - Roskruge Mtns. (Cocoraque Butte) MB-16-64

Coliseum diatreme

1559 ** 1547.00 -- SR/k-sp/granophyre xenolith - Hopi Buttes (Na Ah Tee Canyon)

Comobabi pluton

1331 ** 100.00 -- KA/horn/diorite - Comobabi Mtns. (Sells) UAKA-73-49

Constellation pluton

1336 ** 111.00 -- KA/biot/monzonite porphyry - Wickenburg Mtns. (Morgan Butte) UAKA-72-25

Continental Granodiorite

744 ** 26.10 -- FT/apat/granodiorite - Rincon Mtns. (Tanque Verde Peak) 74D62
1024 ** 55.00 -- FT/apat/granodiorite - Rincon Mtns. (Tanque Verde Peak) 74D57
1042 ** 56.90 -- KA/biot/granodiorite - Santa Rita Mtns. (Sahuarita) M73:48
1366 ** 163.00 -- KA/biot/granodiorite - Santa Rita Mtns. (Mt. Wrightson) M73:40
1416 ** 800.00 -- FT/zirc/granodiorite - Rincon Mtns. (Tanque Verde Peak) 74D57

Contzen Pass vitrophyre

760 26.60 -- KA/biot/vitrophyre - Tucson Mtns. (Avra) 5-A-2

Copper Basin stock

1145 ** 64.00 -- KA/biot/granodiorite - Sierra Prieta (Wilhoit) A68:4
1267 72.60 -- KA/seri/granodiorite - Sierra Prieta (Wilhoit) UAKA-76-25
1269 72.80 -- KA/biot/quartz latite porphyry - Sierra Prieta (Wilhoit) UAKA-76-01
1271 72.90 -- KA/horn/quartz latite porphyry - Sierra Prieta (Kirkland) UAKA-76-01
1296 75.50 -- KA/biot/granodiorite - Sierra Prieta (Wilhoit) UAKA-75-117

Copper Creek Granodiorite

1223 69.70 -- KA/biot/granodiorite - Galiuro Mtns. (Clark Ranch) C62:13

Copper Creek andesite porphyry

1176 65.80 -- KA/biot/andesite porphyry - Galiuro Mtns. (Rhodes Peak) UAKA-71-17

Copper Hills stock

1197 67.30 -- KA/biot/granodiorite porphyry - Tortilla Mtns. (Winkelman) W-65A
1220 69.60 -- KA/biot/granodiorite porphyry - Tortilla Mtns. (Winkelman) PED-27-61

Copper Peak lithic tuff

775 ** 27.00 -- FT/zirc/dacitic lithic tuff - Dos Cabezas Mtns. (Dos Cabezas)

Copper Penny tuff

802 27.67 -- KA/biot/rhyolite tuff - Buckskin Mtns. (Swansea) NS-11

Cordes latite

458 18.92 -- KA/horn/latite - Agua Fria area (Cleator) MY1

Corduroy Creek basalt

52 1.76 -- KA/w.r./basalt - Carrizo Embayment (Limestone Canyon South) UAKA-75-52A
56 1.90 -- KA/w.r./basalt - Carrizo Embayment (Limestone Canyon South) UAKA-74-136
272 ** 12.10 -- KA/w.r./basalt - Carrizo Embayment (Limestone Canyon South) MM:1A

Corona quartz monzonite

1294 75.30 -- KA/biot/quartz diorite - Santa Rita Mtns. (Empire Mtns.) M73:36
1295 75.50 -- KA/biot/quartz monzonite - Santa Rita Mtns. (Empire Mtns.) M73:37

Corral de Piedras welded tuff

784 27.13 -- KA/biot/ash-flow tuff - Tumacacori Mtns. (Tombstone SE) PED-09-62

Cotton Center gneissic granite

1440 ** 994.00 -- KA/biot/granite - Gila Bend Mtns. (Cotton Center) ES:98

Cottonwood basalt

123 4.73 -- KA/w.r./basalt - Grand Wash area (Cane Springs) PED-35-66
173 6.87 -- KA/w.r./basalt - Grand Wash area (Cane Springs) PED-34-66

Courtland andesite

912 33.90 -- KA/horn/andesite - Dragoon Mtns. (Pearce) M73:91

Cowboy quartz diorite

1087 60.20 -- KA/biot/quartz diorite - Dos Cabezas Mtns. (Luzena) RCE-806-66

Crater 176 basalt

16 0.58 -- KA/w.r./basalt - San Francisco volcanic field (Merriam Crater) JSL-72-12

Crater 416 basalt

15 0.53 -- KA/w.r./basalt - San Francisco volcanic field (Strawberry Crater) JSL-72-8

Crazy Basin quartz monzonite

1598 1695.00 -- PB/zirc/quartz monzonite - Bradshaw Mtns. (Crown King)

Cross Roads andesite

312 13.80 -- KA/w.r./andesite - Buckskin Mtns. (Cross Roads) F-1

Crown King granodiorite

1158 64.70 -- KA/biot/granodiorite - Bradshaw Mtns. (Crown King) A75:CK

Cunningham Pass gneiss

1233 ** 70.30 -- KA/horn/amphibolite - Harcuvar Mtns. (Salome) SJR-HV-78-1

Cyclopic stock

1261 72.00 -- KA/musc/two-mica granite - White Hills (Senator Mtn.) 884

Daisy Mtn. dike

306 13.60 -- KA/w.r./basalt dike - New River area (Daisy Mtn.) UAKA-78-43

Date Creek Basin basalt

288 12.90 -- KA/w.r./basalt - Date Creek Basin area (Palmerita Ranch) AP76-40

Date Creek Basin dike

275 12.10 — KA/w.r./basalt dike - Date Creek Basin area (Artillery Peak) AP76-38

Deadman Wash basalt

13 0.50 — KA/w.r./basalt - San Francisco volcanic field (Wupatki SE) U84:2

Deception Rhyolite

1569 ** 1576.00 — SR/w.r./rhyolite - Jerome area (Cottonwood) L68:A
1626 1800.00 — PB/zirc/rhyolite - Jerome area (Hickey Mt.) A71:1

Del Bac Hills volcanics

649 24.10 — KA/w.r./basaltic andesite - Del Bac Hills (Tucson SW) JKP-10-67
656 24.26 — KA/w.r./basaltic andesite - Del Bac Hills (San Xavier Mission) JKP-50-66
699 25.22 — KA/sani/basaltic andesite - Del Bac Hills (Tucson SW) JKP-68-66
712 25.42 — KA/w.r./basaltic andesite - Del Bac Hills (San Xavier Mission) JKP-49-66

Dellenbaugh basalt

170 6.78 -- KA/w.r./basalt - Shivwits Plateau (Castle Peak) PED-38-66

Dells Granite

1458 ** 1110.00 — KA/biot/granite - Prescott area (Prescott) UAKA-57-06
1484 ** 1310.00 -- SR/w.r./granite - Prescott area (Prescott) CAA-8
1517 1400.00 — PB/zirc/granite - Prescott area (Prescott)

Demetrie andesite

1192 67.00 — KA/ /andesite - Sierrita Mtns. (Twin Buttes) TB:1

Diabase

1111 ** 61.90 — FT/apat/diabase - Ray area (Hot Tamale Peak) BAS:27
1420 ** 822.00 — KA/horn/diabase - Globe-Miami area (Inspiration) C80:34
1425 ** 854.00 — KA/w.r./diabase - Sacaton Mtns. (Gila Butte SE) KA-71-71
1429 904.00 -- AR/w.r./diabase - Grand Canyon (Powell Plateau) EM:AR1
1430 907.00 — AR/pyro/diabase - Grand Canyon (Powell Plateau) EM:AR2
1431 913.00 — KA/pyro/diabase - Grand Canyon (Vishnu Temple) EM:2
1438 954.00 — KA/plag/diabase - Grand Canyon (Powell Plateau) EM:3
1443 1050.00 — KA/biot/diabase - Globe-Miami area (Inspiration) B72:23
1445 1052.00 — KA/biot/diabase - Globe-Miami area (Inspiration) C80:35
1446 1054.00 — PB/zirc/granophyre - Sierra Ancha (Buzzard Roost Mesa (?))
1450 1068.00 — KA/biot/diabase - Globe-Miami area (Inspiration) C80:37
1451 1070.00 -- SR/w.r./diabase - Grand Canyon (Havasupai Point) SEVERAL
1454 1080.00 — KA/biot/diorite sill - Mineral Mtn. area (Mineral Mtn.) UAKA-65-03
1455 1100.00 — PB/zirc/granophyre - Little Dragoon Mtns. (Dragoon)
1460 1146.00 — KA/biot/diabase - Sierra Ancha (McFadden Peak) PED-31-61

Diana granite

1487 ** 1322.00 — SR/biot/granite - Cerbat Mtns. (Chloride) PED 17-57
1512 1390.00 — KA/biot/granite - Cerbat Mtns. (Chloride) UAKA-57-17

Dick Rhyolite (?)

1607 1709.00 -- PB/zirc/metarhyolite - Poachie Range (Arrastra Mtn. NE)

Dineh bi Keyah sill

716 25.50 -- KA/biot/vogesite - Lukachukai Mtns. (Lukachukai) 67-JDS-01
732 25.70 — KA/biot/vogesite - Lukachukai Mtns. (Lukachukai) 67-JDS-01B
882 31.00 — KA/w.r./vogesite - Lukachukai Mtns. (Lukachukai)
955 ** 41.80 — KA/sani/vogesite - Lukachukai Mtns. (Lukachukai) 67-JDS-01B
958 ** 42.10 -- KA/sani/vogesite - Lukachukai Mtns. (Lukachukai) 67-JDS-01

Dobbs Buttes volcanics

639 23.91 -- KA/w.r./basaltic andesite - Roskruge Mtns. (San Pedro) MB-06-64
647 24.08 — KA/w.r./basaltic andesite - Roskruge Mtns. (Three Points) MB-12-64

Dobbs Buttes volcanics (cont.)

726 25.65 -- KA/w.r./dacite tuff - Roskruge Mtns. (San Pedro) UAKA-77-62

Dos Cabezas amphibolite

1467 ** 1190.00 -- KA/horn/amphibolite - Dos Cabezas Mtns. (Willcox) RCE-825-65

Dos Cabezas dike

921 34.80 -- KA/w.r./dacite porphyry dike - Dos Cabezas Mtns. (Dos Cabezas) RCE-636-65
980 48.80 -- KA/w.r./basalt dike - Dos Cabezas Mtns. (Luzena) RCE-657-65

Dos Cabezas granite

908 ** 33.50 -- KA/biot/granite - Dos Cabezas Mtns. (Dos Cabezas) RCE-653-65
990 ** 50.30 -- KA/biot/granite - Dos Cabezas Mtns. (Dos Cabezas) RCE-829-65
1009 ** 53.20 -- KA/biot/granite - Dos Cabezas Mtns. (Dos Cabezas) PED-25-61
1499 1352.00 -- SR/w.r./granite - Dos Cabezas Mtns. (Dos Cabezas) RCE 829-31

Dos Cabezas lithic tuff

512 ** 20.50 -- FT/zirc/lithic tuff - Dos Cabezas Mtns. (Dos Cabezas)
1016 ** 53.70 -- KA/plag/lithic tuff - Dos Cabezas Mtns. (Dos Cabezas) RCE-851-66

Dove Canyon Volcanics

1275 73.00 -- KA/biot/latitic tuff - Canelo Hills (Canelo Pass) M73:68

Dry Beaver Creek basalt

315 13.90 -- KA/w.r./basalt - Verde Valley (Lake Montezuma) UAKA-66-55

Dug Road Mtn. rhyolite

830 ** 28.50 -- FT/zirc/ash-flow tuff - Chiricahua Mtns. (Bowie Mtn. South)

Eagle Pass dike

669 24.65 -- KA/biot/rhyodacite dike - Pinaleno Mtns. (Buford Hills) UAKA-74-129

Eagletail Mtns. diorite

1006 ** 52.80 -- KA/biot/diorite - Eagletail Mtns. (Eagletail Mtns.) UAKA-73-125

Eagletail volcanics

489 19.98 -- KA/biot/latite dike - Eagletail Mtns. (Eagletail Mtns.) UAKA-72-72
532 20.90 -- KA/w.r./basalt - Eagletail Mtns. (Lone Mtn.) UAKA-73-107
630 23.70 -- KA/biot/latite tuff - Eagletail Mtns. (Eagletail Mtns.) UAKA-72-73

East Juniper Mtns. basalt

139 5.50 -- KA/w.r./olivine basalt - East Juniper Mtns. (Turkey Canyon NE) BA78-82
162 6.20 -- KA/w.r./olivine basalt - East Juniper Mtns. (Turkey Canyon NE) BA78-90

Eaton granite

1072 ** 59.30 -- KA/biot/granite - Dos Cabezas Mtns. (Luzena) RCE-840-66
1536 1433.00 -- SR/w.r./granite - Dos Cabezas Mtns. (Luzena) 841-845-854

Eichelberger exotic breccia

562 21.90 -- KA/plag/volcanic breccia - Kofa Mtns. (Kofa Butte) KA2560

El Tiro biotite granite

482 ** 19.70 -- FT/apat/granite - Silver Bell Mtns. (Vaca Hills) VHNE-169N
1029 ** 55.70 -- FT/zirc/granite - Silver Bell Mtns. (Vaca Hills) VHNE-169N
1180 ** 66.10 -- KA/biot/granite - Silver Bell Mtns. (Vaca Hills) PED-22-59
1268 72.80 -- PB/zirc/granite - Silver Bell Mtns. (Vaca Hills)

El Tiro monzonite

1160 ** 64.80 -- KA/biot/quartz monzonite - Silver Bell Mtns. (Vaca Hills) PED-02-63
1193 67.10 -- KA/biot/quartz monzonite - Silver Bell Mtns. (Vaca Hills) PED-03-63
1210 68.70 -- KA/biot/quartz monzonite - Silver Bell Mtns. (Vaca Hills) PED-21-59

Elephant Head Quartz Monzonite

1225 69.90 — KA/biot/quartz monzonite - Santa Rita Mtns. (Mt. Wrightson) M73:33
1243 70.80 — KA/biot/quartz monzonite - Santa Rita Mtns. (Mt. Wrightson) M73:34

Emigrant Canyon stock

900 32.70 — KA/horn/granodiorite - Chiricahua Mtns. (Cochise Head) DH82:3
916 34.20 -- KA/biot/granodiorite - Chiricahua Mtns. (Cochise Head) DH82:3

Empire Mtns. quartz monzonite

1510 1375.00 — KA/musc/quartz monzonite - Empire Mtns. (Empire Mtns.) UAKA-59-14

Empire stock

1258 71.90 — KA/biot/quartz monzonite - Empire Mtns. (Empire Mtns.) M73:74

Enterprise granite

1407 ** 649.00 — KA/chlo/granite - Hualapai Mtns. (Hualapai NE) UAKA-57-22

Esperanza alteration

1115 62.00 — KA/musc/vein - Sierrita Mtns. (Twin Buttes) RM-03-62
1144 64.00 -- KA/phlo/alteration - Sierrita Mtns. (Twin Buttes) RM-01-62

Esperanza diorite

978 ** 48.20 -- KA/k-sp/diorite - Sierrita Mtns. (Twin Buttes) M73:06

Esperanza diorite (?)

1051 57.50 — KA/k-sp/vein - Sierrita Mtns. (Twin Buttes) M73:09
1105 61.50 — KA/biot/vein - Sierrita Mtns. (Twin Buttes) M73:09

Espiritu Canyon granite

799 ** 27.60 — KA/biot/granite - Rincon Mtns. (Soza Canyon) 71D194
834 ** 28.50 -- KA/musc/granite - Rincon Mtns. (Soza Canyon) 71D194

Estes Canyon rhyolite

365 15.90 -- KA/biot/rhyolite - Ajo Range (Mt. Ajo) T86:2
370 16.10 -- KA/biot/rhyolite - Ajo Range (Mt. Ajo) T86:3
400 17.10 — KA/biot/rhyolite - Ajo Range (Mt. Ajo) T86:4

Estrella Gneiss

979 ** 48.30 -- KA/horn/amphibolite - South Mtns. (Lone Butte) UAKA-78-27
1604 ** 1700.00 — SR/w.r./amphibolite - South Mtns. (Lone Butte) EG-1

Exxon State 14-1 granite

1370 ** 167.00 — KA/w.r./granite - Palomas Plain (Hyder NE) UAKA-72-57
1447 ** 1056.00 -- SR/w.r./granite - Palomas Plain (Hyder NE) UAKA-72-57

Exxon State 14-1 volcanics

316 13.90 — KA/w.r./trachyte - Palomas Plain (Hyder NE) UAKA-74-118
533 21.00 — KA/w.r./andesite - Palomas Plain (Hyder NE) UAKA-72-54
557 21.86 — KA/w.r./aphanitic dike - Palomas Plain (Hyder NE) UAKA-72-58
631 23.70 — KA/w.r./basalt - Palomas Plain (Hyder NE) UAKA-74-117

Exxon State 32-1 granite

973 ** 47.70 -- KA/w.r./granite - Tucson Basin (Tucson SE) ES:24

Exxon State 32-1 volcanics

384 16.54 — KA/w.r./basaltic andesite dike - Tucson Basin (Tucson SE) UAKA-72-70
444 18.50 -- KA/w.r./basaltic andesite dike - Tucson Basin (Tucson SE) ES:24
641 23.93 — KA/w.r./andesitic basalt - Tucson Basin (Tucson SE) UAKA-72-66

Exxon Yuma-Federal No. 1 dike

134 5.40 — KA/w.r./basalt dike - Yuma Desert (South of Yuma) UAKA-74-120

Exxon Yuma-Federal No. 1 volc.

380 16.40 -- KA/w.r./andesitic tuff - Yuma Desert (South of Yuma) ES:115
515 20.50 -- KA/w.r./andesitic basalt - Yuma Desert (South of Yuma) ES:115

Faraway Ranch Fm.

824 28.30 — KA/biot/rhyodacite - Chiricahua Mtns. (Cochise Head) DM-01-67
841 28.60 — KA/biot/rhyodacite - Chiricahua Mtns. (Cochise Head) DM-01-67
862 29.61 — KA/sani/rhyolite tuff - Chiricahua Mtns. (Rustler Peak) DM-02-68

Flattop basaltic andesite

863 29.63 — KA/w.r./basaltic andesite - Blue Range area (Duncan) 5

Florence andesite dike

1032 55.80 — KA/ /andesite - Florence area (Florence) N82:2

Florence basalt

204 8.87 — KA/w.r./basalt - Florence area (Florence SE) UAKA-76-89

Florence basalt dike

149 5.86 — KA/ /basalt - Florence area (Florence) N82:3

Florence granodiorite

1134 63.40 — KA/biot/granodiorite - Florence area (Florence) UAKA-72-23

Florence latite-dacite dike

1089 60.30 — KA/ /latite-dacite - Florence area (Florence) N82:1

Fluted Rock diatreme

759 26.60 — KA/phlo/minette - Defiance Plateau (Buell Park) FR3

Forerange gneiss

720 ** 25.60 — KA/biot/gneiss - Santa Catalina Mtns. (Agua Caliente Hill) PED-18-62L
746 ** 26.10 -- KA/musc/gneiss - Santa Catalina Mtns. (Agua Caliente Hill) PED-18-62L
795 ** 27.50 -- KA/orth/gneissic granite - Santa Catalina Mtns. (Agua Caliente Hill) PED-18-62L
868 ** 30.00 -- KA/plag/gneiss - Santa Catalina Mtns. (Agua Caliente Hill) PED-18-62L
893 ** 32.00 — KA/musc/gneissic granite - Santa Catalina Mtns. (Agua Caliente Hill) RM-01-66

Fort Defiance quartzite

1627 ** 1815.00 — FT/zirc/quartzite - Defiance Plateau (Buell Park) FTD1A
1629 ** 2124.00 -- FT/zirc/quartzite - Defiance Plateau (Buell Park) FTD1B

Fort Rock volcanics

527 20.70 — KA/w.r./basaltic andesite - Aquarius Mtns. (Fort Rock Ranch) BA78-73
565 22.00 -- KA/w.r./basalt dike - Aquarius Mtns. (Bull Springs) F78-85
578 22.40 -- KA/biot/andesite - Aquarius Mtns. (Fort Rock Ranch) F78-88
659 24.30 — KA/biot/latite - Cottonwood Mtns. (Tin Mtn.) F78-72

Fossil Creek basalt

215 9.30 — KA/w.r./olivine basalt - Fossil Creek Canyon (Strawberry) UAKA-77-160
231 10.16 -- KA/w.r./basalt - Fossil Creek Canyon (Strawberry) UAKA-73-161

Four Metals breccia pipe

1119 62.50 -- KA/biot/granodiorite - Patagonia Mtns. (Harshaw) UAKA-77-29

Gabarina Hill rhyolite

339 14.94 -- KA/biot/rhyolite - Sierra Prieta (Groom Creek) UAKA-76-26

Galiuro Volcanics

595 22.78 -- KA/w.r./andesite - Galiuro Mtns. (Holy Joe Peak) UAKA-76-96
601 23.10 — KA/sani/tuff - Galiuro Mtns. (Saddle Mtn.) CK:16
615 23.50 — KA/sani/rhyolite tuff - Galiuro Mtns. (Holy Joe Peak) CK:04

Galiuro Volcanics (cont.)

661 24.40 -- KA/biot/tuff - Galiuro Mtns. (Oak Grove Canyon) CK:15
703 25.30 -- KA/biot/tuff - Galiuro Mtns. (Brandenburg Mtn.) CK:16
749 26.30 -- KA/sani/rhyolite tuff - Galiuro Mtns. (Holy Joe Peak) CK:07
752 26.40 -- KA/biot/rhyolite tuff - Galiuro Mtns. (Holy Joe Peak) CK:04
785 27.20 -- KA/biot/andesite - Galiuro Mtns. (Bassett Peak) CK:11
786 27.20 -- KA/biot/rhyolite tuff - Galiuro Mtns. (Holy Joe Peak) CK:07
792 27.40 -- KA/biot/rhyolite tuff - Galiuro Mtns. (Brandenburg Mtn.) CK:08
817 28.10 -- KA/biot/rhyolite dike - Galiuro Mtns. (Brandenburg Mtn.) CK:10
849 28.90 -- KA/biot/rhyolite tuff - Galiuro Mtns. (Brandenburg Mtn.) CK:09

Galiuro Volcanics (?)

789 27.29 -- KA/w.r./basaltic andesite - Galiuro Mtns. (Soza Mesa) UAKA-78-41

Gardner Canyon Fm.

1389 ** 245.00 -- KA/plag/dacite - Santa Rita Mtns. (Mt. Wrightson) PED-27-66

Garnet Ridge diatreme

877 30.60 -- FT/apat/quartz monzonite xenolith - Chinle Valley (Dennehotso) GR4
879 30.90 -- FT/apat/granite xenolith - Chinle Valley (Dennehotso) GR3
902 33.20 -- FT/zirc/amphibolite xenolith - Chinle Valley (Dennehotso) GR2
919 34.70 -- FT/apat/amphibolite xenolith - Chinle Valley (Dennehotso) GR2
1400 ** 387.00 -- FT/sphe/quartz monzonite xenolith - Chinle Valley (Dennehotso) GR4
1406 ** 639.00 -- FT/sphe/granite xenolith - Chinle Valley (Dennehotso) GR3
1409 ** 711.00 -- FT/zirc/quartz monzonite xenolith - Chinle Valley (Dennehotso) GR4

Geothermal Kinetics volcanics

470 19.40 -- KA/biot/tuff - Higley Basin (Higley) UAKA-74-130
948 39.40 -- KA/w.r./basaltic andesite - Higley Basin (Higley) UAKA-74-130

Geronimo Head Fm.

382 16.50 -- FT/zirc/rhyolite dike - Superstition Mtns. (Mormon Flat Dam) AP27A
386 16.60 -- FT/zirc/quartz latite - Superstition Mtns. (Weavers Needle) AP200
387 16.60 -- FT/sphe/quartz latite - Superstition Mtns. (Weavers Needle) AP200
392 16.68 -- KA/sani/rhyolite tuff - Superstition Mtns. (Horse Mesa Dam) AP-215
456 18.85 -- KA/biot/quartz latite tuff - Superstition Mtns. (Weavers Needle) AP-205

Gibson Creek batholith

1617 1738.00 -- PB/zirc/mafic granodiorite - Payson area (Payson South)

Gila Bend basalt

76 2.58 -- KA/w.r./basalt - Gila Bend Mtns. (Woolsey Peak) R-2585
121 4.60 -- KA/w.r./basalt - Gila Bend Mtns. (Woolsey Peak) R-2584
169 6.70 -- KA/w.r./basalt - Gila Bend Mtns. (Woolsey Peak (?)) R-2583

Gila Box rhyolite

461 19.10 -- KA/sani/rhyolite pyroclastic flow - Peloncillo Mtns. (Guthrie) R83:A

Gila Mtns. gneiss

1382 ** 203.00 -- KA/biot/gneiss - Gila Mtns. (Yuma) (Ligurta) ES:113
1397 ** 326.00 -- KA/biot/gneiss - Gila Mtns. (Yuma) (Ligurta) ES:113

Gillespie basalt

40 1.35 -- KA/w.r./basalt - Arlington Valley (Spring Mtn.) UAKA-73-07
81 2.67 -- KA/w.r./basalt - Arlington Valley (Spring Mtn.) UAKA-73-04
90 3.10 -- KA/w.r./basalt - Arlington Valley (Spring Mtn.) R-2641
97 3.40 -- KA/w.r./olivine basalt - Arlington Valley (Spring Mtn.) R-2637
100 3.50 -- KA/w.r./olivine basalt - Arlington Valley (Spring Mtn.) R-2634
102 3.53 -- KA/w.r./olivine basalt - Arlington Valley (Spring Mtn.) R-2632
103 3.60 -- KA/w.r./olivine basalt - Arlington Valley (Spring Mtn.) R-2636
110 3.90 -- KA/w.r./olivine basalt - Arlington Valley (Spring Mtn.) R-2635
115 4.30 -- KA/w.r./olivine basalt - Arlington Valley (Spring Mtn.) R-2633

Gillespie basalt (?)

161 6.20 -- KA/w.r./basalt - Arlington Valley (Spring Mtn.) ES:97

Gillespie granite

931 36.50 -- KA/biot/granite - Pinaleno Mtns. (Stockton Pass) UAKA-73-147

Gleeson Quartz Monzonite

1377 183.00 -- KA/musc/quartz monzonite - Dragoon Mtns. (Hay Mtn.) M73:94
1378 185.00 -- KA/biot/quartz monzonite - Dragoon Mtns. (Pearce) 74D102

Globe-Miami vein

1043 56.90 -- KA/biot/vein - Globe-Miami area (Pinal Ranch) C80:33
1069 58.90 -- KA/musc/vein - Globe-Miami area (Pinal Ranch) C80:29
1088 60.20 -- KA/musc/vein - Globe-Miami area (Pinal Ranch) C80:28
1094 60.80 -- KA/musc/vein - Globe-Miami area (Pinal Ranch) C80:24
1101 61.00 -- KA/musc/vein - Globe-Miami area (Pinal Ranch) C80:25
1106 61.60 -- KA/musc/vein - Globe-Miami area (Pinal Ranch) C80:31
1110 61.80 -- KA/musc/vein - Globe-Miami area (Pinal Ranch) C80:26
1114 62.00 -- KA/musc/vein - Globe-Miami area (Pinal Ranch) C80:23
1118 62.40 -- KA/musc/vein - Globe-Miami area (Inspiration) C80:27
1131 63.10 -- KA/musc/vein - Globe-Miami area (Pinal Ranch) C80:30
1157 64.70 -- KA/musc/vein - Globe-Miami area (Inspiration) C80:32

Gloryhole Volcanics

1124 62.80 -- KA/w.r./basaltic andesite - Galiuro Mtns. (Oak Grove Canyon) UAKA-71-18

Gold Basin vein

1169 65.40 -- KA/musc/vein - White Hills (Garnet Mtn.) 837
1203 67.80 -- KA/musc/vein - White Hills (Garnet Mtn.) 278A
1214 68.80 -- KA/musc/vein - White Hills (Senator Mtn.) 923

Gold Road Latite

447 18.60 -- KA/biot/quartz latite - Black Mtns. (Oatman) 385

Golden Rule Mine dike

1286 74.10 -- KA/w.r./basalt dike - Dragoon Mtns. (Cochise) UAKA-74-24

Golden Turkey vein

998 ** 52.00 -- PB/gale/mineralization - Bradshaw Mtns. (Cleator) PED-1-60

Goodwin Canyon Granite

682 24.95 -- KA/biot/granite - Santa Teresa Mtns. (Cobre Grande Mtn.) UAKA-73-16

Goodyear Farms basalt

244 10.80 -- KA/w.r./basalt - Luke Basin (El Mirage) ES:59

Gooseberry Creek basalt

41 1.47 -- KA/w.r./basalt - Springerville volcanic field (McNary) UAKA-82-96
62 2.05 -- KA/w.r./basalt - Springerville volcanic field (McNary) UAKA-82-95

Government Canyon Granodiorite

1619 1740.00 -- PB/zirc/granodiorite - Prescott area (Prescott) A71:6

Grand Wash Bay basalt

108 3.80 -- KA/w.r./basalt - Lake Mead area (Iceberg Canyon) UAKA-65-09

Grand Wash Cliffs gneiss

1564 ** 1559.00 -- SR/biot/gneiss - Grand Wash area (Music Mtns. NE) A-6,7
1578 ** 1615.00 -- KA/musc/pegmatite - Grand Wash Cliffs (Music Mtns. NE) A-8A
1582 ** 1625.00 -- SR/micr/pegmatite - Grand Wash area (Music Mtns. NE) A-3,4,8A,8C
1602 1698.00 -- KA/horn/gneiss - Grand Wash Cliffs (Music Mtns. NE) A-7

Granite Basin Porphyry

1093 60.70 -- KA/horn/granite - Mescal Mtns. (El Capitan) C84:3
1264 72.30 -- KA/horn/rhyodacite porphyry - Mescal Mtns. (Christmas) GB-01

Granite Mtn. Porphyry

924 ** 35.20 -- FT/apat/granodiorite - Ray area (Teapot Mtn.) BAS:14
1078 59.70 -- SR/biot/felsic porphyry - Ray area (Teapot Mtn.) 4265
1095 60.80 -- KA/biot/quartz monzonite - Ray area (Teapot Mtn.) L-850
1098 61.00 -- KA/biot/granodiorite - Ray area (Teapot Mtn.) B72:14
1126 62.90 -- FT/sphe/granodiorite - Ray area (Teapot Mtn.) BAS:14
1155 64.60 -- KA/biot/granodiorite - Ray area (Teapot Mtn.) B72:14
1206 68.50 -- SR/biot/felsic porphyry - Ray area (Teapot Mtn.) 4263

Granite Wash granodiorite

1183 66.50 -- KA/biot/granodiorite - Little Harquahala Mtns. (Salome) UAKA-66-03
1242 70.80 -- KA/biot/granodiorite - Little Harquahala Mtns. (Hope) ES:94

Grayback Granodiorite

1133 63.30 -- FT/garn/granodiorite - Ray area (Grayback) BAS:26
1148 64.40 -- KA/biot/granodiorite - Tortilla Mtns. (Grayback) PHK-29-69
1167 65.28 -- SR/w.r./granodiorite - Mineral Mtn. area (Ninety Six Hills NW) SEVERAL

Green Gulch Volcanics

1553 ** 1493.00 -- SR/w.r./volcanics - Jerome area (Poland Junction) L68:C

Gringo Gulch Volcanics

1104 61.30 -- KA/horn/dacite porphyry - Santa Rita Mtns. (Mt. Wrightson) M73:27
1116 62.00 -- KA/biot/microgranodiorite - Santa Rita Mtns. (Mt. Wrightson) M73:28

Gringo Gulch dike

1215 69.00 -- KA/horn/dacite porphyry - Santa Rita Mtns. (Mt. Wrightson) M73:32

Grosvenor Hills Volcanics

764 26.70 -- KA/biot/latite vitrophyre - Santa Rita Mtns. (Patagonia) M73:17
769 26.90 -- KA/plag/rhyodacite vitrophyre - Santa Rita Mtns. (San Cayetano Mtns.) M73:16
805 27.70 -- KA/horn/latite vitrophyre - Santa Rita Mtns. (Patagonia) M73:17
831 28.50 -- KA/horn/rhyodacite - Santa Rita Mtns. (San Cayetano Mtns.) M73:19

Growler volcanics

325 14.40 -- KA/w.r./basalt - Growler Mtns. (Growler Peak) 81AM204
326 14.40 -- KA/w.r./basaltic andesite - Growler Mtns. (Growler Peak) G85:1

Gu Achi phyllite

1229 70.20 -- KA/w.r./phyllite - Santa Rosa Mtns. (Santa Rosa Mtns.) PR-90
1263 72.10 -- KA/w.r./phyllite - Santa Rosa Mtns. (Santa Rosa Mtns.) PR-91

Guadalupe Canyon tuff

657 24.26 -- KA/sani/rhyolite tuff - Peloncillo Mtns. (Guadalupe Canyon) 5
809 27.90 -- FT/zirc/tuff - Peloncillo Mtns. (Guadalupe Canyon) ED294

Guadalupe dike

780 27.00 -- KA/biot/andesite dike - Mule Mtns. (Guadalupe Canyon) AWL-11-83

Gunnery Range granite

1004 52.50 -- KA/biot/granite - Cabeza Prieta Mtns. (Cabeza Prieta Peak) UAKA-75-99
1013 53.40 -- SR/w.r./granite - Tule Mtns. (Tule Mtns.) SEVERAL
1015 53.70 -- SR/min./granite - Tule Mtns. (Tule Mtns.) SEVERAL

Gunsight Hills granodiorite

925 ** 35.60 -- KA/mica/granodiorite - Gunsight Hills (Mt. Ajo) T86:8
952 ** 40.10 -- KA/mica/granodiorite - Gunsight Hills (Mt. Ajo) T86:9
969 ** 47.00 -- KA/biot/granodiorite - Gunsight Hills (Mt. Ajo) UAKA-72-63

Gunsight granite

1254 71.50 -- KA/biot/granite - Hualapai Mtns. (Gunsight Canyon) B-3365

Gunsight orthogneiss

898 ** 32.30 -- KA/biot/orthogneiss - Gunsight Hills (Pisinimo) GH-46A
1073 59.40 -- KA/horn/orthogneiss - Gunsight Hills (Pisinimo) GH-46B

Guthrie Peak andesite

471 19.40 -- KA/w.r./andesite - Peloncillo Mtns. (Guthrie) R83:C
554 21.80 -- KA/w.r./andesite - Peloncillo Mtns. (Guthrie) R83:G
574 22.20 -- KA/w.r./andesite - Peloncillo Mtns. (Guthrie) R83:F
590 22.60 -- KA/w.r./andesite - Peloncillo Mtns. (Guthrie) R83:E
632 23.70 -- KA/w.r./andesite - Peloncillo Mtns. (Guthrie) R83:D

Guthrie low-silica rhyolite

540 21.20 -- KA/w.r./rhyolite - Peloncillo Mtns. (Guthrie) R83:B

Hackberry Mesa basalt

321 14.23 -- KA/w.r./basalt - Superstition Mtns. (Mormon Flat Dam) UAKA-80-129

Happy Valley Granodiorite

770 26.90 -- KA/biot/granodiorite - Rincon Mtns. (Galleta Flat West) M73:81
812 28.00 -- KA/biot/granodiorite - Rincon Mtns. (Happy Valley) M73:82

Happy Valley dike

658 24.30 -- KA/w.r./dike - Rincon Mtns. (Happy Valley) UAKA-74-83

Happy Valley pegmatite

937 ** 37.70 -- KA/musc/pegmatite - Rincon Mtns. (Happy Valley) M73:83

Harcuvar diorite sill

735 25.70 -- KA/horn/diorite sill - Harcuvar Mtns. (Smith Peak) R82:1

Harcuvar gneissic granite

705 ** 25.33 -- KA/biot/gneissic granite - Harcuvar Mtns. (Salome) UAKA-75-107

Harcuvar mylonite

416 ** 17.50 -- KA/biot/mylonite - Harcuvar Mtns. (Smith Peak) R82:2

Harquahala Mtns. gneiss

1063 ** 58.40 -- KA/biot/gneiss - Harquahala Mtns. (Gladden) 83-11-8-2

Harquahala diorite dike

570 ** 22.10 -- KA/biot/diorite dike - Harquahala Mtns. (Gladden) HLA-2
840 ** 28.60 -- KA/horn/diorite dike - Harquahala Mtns. (Gladden) HLA-2

Harquahala granite

983 ** 49.50 -- KA/biot/porphyritic granite - Harquahala Mtns. (Gladden) 83-11-8-1

Harquahala thrust zone

1034 ** 56.10 -- KA/biot/mylonitic schist - Harquahala Mtns. (Gladden) 83-11-8-5
1123 ** 62.50 -- KA/musc/mylonitic schist - Harquahala Mtns. (Gladden) 83-11-8-4

Harris Ranch Monzonite

954 ** 41.00 -- KA/biot/quartz monzonite - Sierrita Mtns. (Palo Alto Ranch) M73:13

Harris Ranch Monzonite (?)

1343 ** 127.30 -- SR/min./monzonite - Sierrita Mtns. (Twin Buttes) RM-10-63

Hell Canyon basalt

112 4.11 -- KA/w.r./basalt - Williams area (Bill Williams Mtn.)
113 4.17 -- KA/w.r./basalt dike - Williams area (Bill Williams Mtn.)
125 4.82 -- KA/w.r./basalt - Williams area (Bill Williams Mtn.)

Hell Canyon dacite

130 5.15 -- KA/plag/dacite - Williams area (Bill Williams Mtn.)

Hells Gate latite

369 16.10 -- KA/biot/latite - Hieroglyphic Mtns. (Governors Peak) 3-3-4
500 ** 20.30 -- KA/biot/latite - Hieroglyphic Mtns. (Governors Peak) 3-2-1

Hells Gate rhyolite

1600 1697.00 -- PB/zirc/rhyolite - Diamond Butte area (McDonald Mtn.)

Helmet Fanglomerate

836 28.57 -- KA/biot/tuff - Sierrita Mtns. (Twin Buttes) RM-01-64
885 31.37 -- KA/plag/andesite porphyry - Sierrita Mtns. (Twin Buttes) RM-02-64

Helvetia granodiorite

1012 53.30 -- KA/biot/granodiorite - Santa Rita Mtns. (Sahuarita) M73:21
1021 54.80 -- KA/biot/granodiorite - Santa Rita Mtns. (Sahuarita) M73:21

Helvetia quartz latite

1027 55.20 -- KA/biot/quartz latite porphyry - Santa Rita Mtns. (Sahuarita) M73:22
1045 57.00 -- KA/biot/quartz latite porphyry - Santa Rita Mtns. (Sahuarita) M73:23
1046 57.10 -- KA/biot/quartz latite porphyry - Santa Rita Mtns. (Sahuarita) M73:24
1053 57.60 -- KA/biot/quartz latite porphyry - Santa Rita Mtns. (Sahuarita) M73:25

Hickey Fm.

235 10.40 -- KA/w.r./basalt - Agua Fria area (Estler Peak) MY8
240 10.70 -- KA/w.r./basalt - Agua Fria area (Cordes Junction) MY6
254 11.30 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B23
255 11.35 -- KA/w.r./basalt - Agua Fria area (Estler Peak) MY7
258 11.40 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B25
259 11.50 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B22
260 11.50 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B24
262 11.60 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B17B
263 11.60 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B18
264 11.60 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B19
268 11.90 -- KA/w.r./basalt - Black Hills (Cottonwood) MM2
269 12.00 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B15
270 12.00 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B16
293 13.10 -- KA/w.r./basalt - Black Hills (Middle Verde) UAKA-66-28
295 13.10 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B21
298 13.20 -- KA/w.r./basalt - Black Hills (Hickey Mtn.) UAKA-67-09
301 13.40 -- KA/w.r./basalt - Prescott area (Prescott) PR3
303 13.47 -- KA/w.r./basalt - Agua Fria area (Cleator) MY5
307 13.70 -- KA/w.r./basalt - Black Hills (Hickey Mtn.) MM1
311 13.80 -- KA/w.r./basalt - Prescott area (Prescott) PR2
314 13.90 -- KA/w.r./basalt - Bradshaw Mtns. (Poland Junction) MU2
323 14.32 -- KA/w.r./basalt - Black Hills (Clarkdale) CD1
327 ** 14.45 -- KA/biot/dacite tuff - Hackberry Mtn. area (Hackberry Mtn. (?)) BES-58-282
341 15.00 -- KA/biot/trachyandesite - Verde Valley (Cottonwood) A-43
350 15.40 -- KA/w.r./basalt - Agua Fria area (Squaw Creek Mesa) ES:64

Hieroglyphic volcanics

391 16.63 -- KA/w.r./basaltic andesite - Hieroglyphic Mtns. (Governors Peak) UAKA-78-40
425 17.98 -- KA/biot/latite porphyry - Buckhorn Mtns. (Copperopolis) UAKA-72-71

Holy Moses granite

1490 1335.00 -- SR/w.r./granite - Hualapai Mtns. (Kingman SE) SEVERAL

Hoover Dam lamprophyre

284 12.70 -- KA/phlo/lamprophyre - Hoover Dam area (Hoover Dam) UAKA-85-38

Hopi Buttes diatreme

65 2.17 -- FT/sphe/granodiorite xenolith - Hopi Buttes (Na Ah Tee Canyon) HB2
144 5.70 -- FT/apat/gabbro xenolith - Hopi Buttes (Indian Wells) HB1

Horse Mesa basalt

166 6.40 -- KA/w.r./basalt - Dry Beaver Creek (Munds Mtn.) UAKA-77-72

Horse Mtn. Volcanics

491 20.00 -- KA/biot/welded tuff - Aravaipa area (San Carlos Reservoir (?))
552 21.80 -- KA/feld/tuff - Aravaipa area (San Carlos Reservoir (?))

Horseshoe Canyon volcanics

528 ** 20.70 -- KA/k-sp/latite - Chiricahua Mtns. (Portal) UAKA-84-88
801 27.60 -- KA/biot/ash-flow tuff - Chiricahua Mtns. (Portal) UAKA-84-87

Horseshoe Dam basalt

331 14.64 -- KA/w.r./basalt - Lower Verde area (Horseshoe Dam) UAKA-78-38

Hot Rock basalt

343 15.01 -- KA/w.r./basalt - Belmont Mtns. (Belmont Mtns.) UAKA-73-10

Huachuca Quartz Monzonite

1369 167.00 -- KA/biot/quartz monzonite - Huachuca Mtns. (Montezuma Pass) M73:63

Hualapai Mtns. gneiss

1448 ** 1058.00 -- SR/w.r./gneissic quartz monzonite - Hualapai Mtns. (Greenwood Peak) A-40
1625 1762.00 -- SR/w.r./granodiorite gneiss - Hualapai Mtns. (Hualapai Peak) GD-2,-3,-5

Hualapai Mtns. granite

1506 1367.00 -- SR/w.r./granite - Hualapai Mtns. (Hualapai Peak) SEVERAL

Hualapai Mtns. med.-gr granite

1483 ** 1309.00 -- SR/w.r./granite - Hualapai Mtns. (Hualapai Peak) MG-6,-8,-12

Hualapai Mtns. pegmatites

1453 ** 1077.00 -- SR/w.r./pegmatite - Hualapai Mtns. (Hualapai Peak) P-1,-3,-10

Hualapai Plateau granite

1513 1390.00 -- KA/biot/granite - Hualapai Plateau (Milkweed Canyon SW) UAKA-57-15

Hualapai tuff

201 8.66 -- KA/w.r./tuff - White Hills (Senator Mtn.) BA-1

Huerfano quartz latite

617 23.50 -- KA/biot/quartz latite - Durham-Suizo area (Tortolita Mtns.) TMN-62
694 25.10 -- KA/horn/quartz latite - Durham-Suizo area (Tortolita Mtns.) TMN-62

Humphreys Peak rhyolite

32 0.95 -- KA/sani/rhyolite - San Francisco volcanic field (Humphreys Peak) UAKA-72-74

Hunters Point granite

1323 ** 87.60 -- FT/apat/granite - Defiance Plateau (Hunters Point) HP5
1529 1418.00 -- FT/sphe/granite - Defiance Plateau (Hunters Point) HP5

Iron King Volcanics

1560 ** 1547.00 -- SR/w.r./volcanics - Jerome area (Hickey Mtn.) L68:D

Iron King mineralization

1575 ** 1607.00 -- PB/gale/mineralization - Black Hills (Prescott Valley South) PED-5-60

Iron Mountain basalt

411 17.40 -- KA/w.r./basalt - Hualapai Plateau (Garnet Mtn.) IM-83-1

Isabel No. 1 basalt

619 23.60 -- KA/w.r./basalt - Luke Basin (Calderwood Butte) ES:60
1001 ** 52.30 — KA/w.r./basalt - Luke Basin (Calderwood Butte) ES:60

Ithaca Peak stock

1276 73.10 — KA/phlo/quartz monzonite - Cerbat Mtns. (Chloride) RM-05-65

Jackwood Pass basalt

27 0.88 — KA/w.r./basalt - Chiricahua Mtns. (Portal) UAKA-84-86

Javelina andesite

598 22.80 — KA/w.r./basaltic andesite - Whitlock Mtns. (Whitlock Mtns. NE) R81:B
723 25.60 -- KA/w.r./basaltic andesite - Whitlock Mtns. (Whitlock Cienega) R81:E
740 25.90 — KA/w.r./basaltic andesite - Whitlock Mtns. (Javelina Peak) R81:F

Jerome mineralization

1611 1715.00 -- PB/gale/mineralization - Jerome area (Clarkdale) PED-46-60
1612 1715.00 -- PB/gale/mineralization - Jerome area (Clarkdale) PED-47-60

Jhus Canyon granite

858 29.59 -- KA/biot/granite - Chiricahua Mtns. (Portal) PED-08-69
889 31.70 — KA/biot/granite - Chiricahua Mtns. (Portal) M73:100

John Jacobs No. 2 basalt

516 20.50 -- KA/w.r./basalt - Phoenix Mtns. area (Glendale) ES:58

Johnny Lyon Granodiorite

1581 1625.00 -- PB/zirc/granodiorite - Johnny Lyon Hills (Dragoon) L312

Josephine Canyon Diorite

1211 68.70 -- KA/biot/diorite - Santa Rita Mtns. (Mt. Wrightson) M73:30

Juniper Flat Granite

1374 171.00 -- KA/biot/granite - Mule Mtns. (Tombstone) M73:98
1376 182.00 -- SR/biot/granite - Mule Mtns. (Tombstone) C62:1

Kellam Ranch basalt

26 0.87 -- KA/w.r./basalt - San Francisco volcanic field (Merriam Crater) UAKA-73-154

Kingman pegmatite

1482 ** 1297.00 -- SR/musc/pegmatite - Kingman area (Stockton Hill) A-23

Kingman tuff

401 17.15 — KA/sani/ash-flow tuff - Kingman area (Kingman) PED-08-65
412 17.45 -- KA/sani/ash-flow tuff - Kingman area (Kingman) PED-08-65

Kinter Fm.

654 24.20 -- KA/biot/tuff - Laguna Mtns. (Laguna Dam) VAW-60-29

Kinter Fm. (?)

585 22.50 — KA/biot/rhyolite tuff - Muggins Mtns. (Red Bluff Mtn.) UAKA-67-23

Kirkland granite

1471 ** 1250.00 — KA/biot/granite - Weaver Mtns. (Kirkland) UAKA-60-07

Kitt Peak granite

816 ** 28.10 -- KA/biot/granite - Quinlan Mtns. (Kitt Peak) PED-02-62

Kofa dike

484 19.80 -- KA/plag/dacite dike - Kofa Mtns. (Kofa Butte) KA2535
709 25.40 -- KA/w.r./andesite dike - Kofa Mtns. (Kofa Butte) KA2533

Kofa volcanics

404 17.30 -- KA/biot/volcanic rock - Kofa Mtns. (Kofa Butte)
438 18.31 -- KA/w.r./basaltic andesite - Kofa Mtns. (Kofa Butte) UAKA-73-108
473 19.50 -- KA/w.r./rhyolite to rhyodacite - Kofa Mtns. (Kofa Butte)
549 21.68 -- KA/w.r./basalt - Kofa Mtns. (Kofa Butte) UAKA-73-19
623 23.60 -- KA/biot/rhyolite tuff - Kofa Mtns. (Kofa Butte) UAKA-73-18

La Tortuga Butte granodiorite

922 34.90 -- KA/plag/granodiorite - Roskruge Mtns. (La Tortuga Butte) MB-09-64

Ladybug Saddle granite

1427 ** 875.00 -- KA/biot/granite - Pinaleno Mtns. (Mt. Graham) PN-1

Laguna volcanics

771 26.90 -- KA/biot/tuff - Laguna Mtns. (Laguna Dam) 5-15-55A
871 30.10 -- KA/biot/rhyolite tuff - Laguna Mtns. (Laguna Dam) UAKA-65-04

Lake Pleasant diorite

1327 ** 94.70 -- KA/biot/diorite - Hieroglyphic Mtns. (Baldy Mtn.) UAKA-76-114

Lake Pleasant volcanics

754 26.48 -- KA/w.r./K-rich volcanic - Lake Pleasant area (New River) UAKA-78-39

Lakeshore stock

1175 65.80 -- KA/seri/quartz monzonite porphyry - Slate Mtns. (Silver Reef Mtns.) G-M1655
1200 67.50 -- KA/biot/quartz monzonite - Slate Mtns. (Silver Reef Mtns.) PED-20-64
1212 68.80 -- KA/biot/quartz monzonite porphyry - Slate Mtns. (Silver Reef Mtns.) G-B1652
1216 69.00 -- KA/biot/quartz monzonite - Slate Mtns. (Silver Reef Mtns.) G-B1654
1217 69.00 -- KA/biot/quartz monzonite porphyry - Slate Mtns. (Silver Reef Mtns.) G-B1653

Las Guijas andesite

1208 68.60 -- KA/horn/andesite - Las Guijas (Arivaca) UAKA-77-50

Las Guijas dike

886 31.43 -- KA/w.r./andesite dike - Las Guijas (Las Guijas) UAKA-75-105A

Las Guijas vein

869 30.03 -- KA/seri/veinlets - Las Guijas (Las Guijas) UAKA-75-105

Lava Point basalt

31 0.95 -- KA/w.r./basalt - San Francisco volcanic field (S P Mtn.) UAKA-73-116

Lawler Peak Granite

1503 ** 1361.00 -- SR/musc/granite - Bagdad area (Bagdad) A57:2A
1507 ** 1368.00 -- KA/musc/granite - Bagdad area (Bagdad) A57:2A
1522 1411.00 -- PB/zirc/granite - Bagdad area (Bagdad)

Lawler Peak Granite pegmatite

1508 ** 1368.00 -- KA/musc/pegmatite - Bagdad area (Bagdad) A57:2B
1548 ** 1468.00 -- SR/micr/pegmatite - Bagdad area (Bagdad) A57:2B

Leatherwood quartz diorite

782 ** 27.10 -- KA/biot/quartz diorite - Santa Catalina Mtns. (Bellota Ranch) BR2
783 ** 27.10 -- KA/biot/quartz diorite - Santa Catalina Mtns. (Bellota Ranch (?)) K80:05
791 ** 27.40 -- SR/min./quartz diorite - Santa Catalina Mtns. (Mt. Lemmon) PED-01-68
833 ** 28.50 -- KA/biot/quartz diorite - Santa Catalina Mtns. (Bellota Ranch) K80:69
850 ** 28.90 -- KA/biot/quartz diorite - Santa Catalina Mtns. (Bellota Ranch) K80:52
860 ** 29.60 -- KA/biot/quartz diorite - Santa Catalina Mtns. (Bellota Ranch) K80:51

Leatherwood quartz diorite (cont.)

873 ** 30.20 -- KA/biot/quartz diorite - Santa Catalina Mtns. (Mt. Lemmon) PED-01-68
888 ** 31.70 -- KA/biot/quartz diorite - Santa Catalina Mtns. (Mt. Lemmon (?)) UAKA-76-116
897 ** 32.20 -- KA/biot/quartz diorite - Santa Catalina Mtns. (Oracle) K80:45
932 ** 36.70 -- KA/horn/quartz diorite - Santa Catalina Mtns. (Oracle) K80:30
938 ** 37.70 -- KA/seri/quartz diorite - Santa Catalina Mtns. (Mt. Lemmon (?)) UAKA-78-66
940 ** 38.40 -- KA/horn/quartz diorite - Santa Catalina Mtns. (Bellota Ranch (?)) K80:05
1150 64.40 -- KA/horn/quartz diorite - Santa Catalina Mtns. (Bellota Ranch) BR2
1205 68.50 -- SR/w.r./quartz diorite - Santa Catalina Mtns. (Mt. Bigelow) SEVERAL
1249 71.50 -- SR/w.r./quartz diorite - Santa Catalina-Tortolita Mtns. (Mt. Bigelow) SEVERAL

Leatherwood quartz diorite (?)

823 ** 28.30 -- KA/biot/gneiss - Santa Catalina Mtns. (Agua Caliente Hill) PED-18-62D

Little Ajo Mtns. granite

480 19.60 -- KA/biot/granite - Little Ajo Mtns. (Ajo) L-844
495 20.10 -- KA/horn/granite - Little Ajo Mtns. (Ajo) L-844

Little Harquahala monzodiorite

1179 ** 66.00 -- KA/biot/porphyritic granite - Little Harquahala Mtns. (Hope) LHA-1

Locomotive Fanglomerate

634 23.80 -- KA/biot/andesite breccia - Little Ajo Mtns. (Ajo) 81AM176

Lone Star alteration

1008 53.00 -- KA/seri/alteration - Gila Mtns. (Safford)

Lone Star porphyry

1059 58.00 -- KA/biot/quartz monzonite porphyry - Gila Mtns. (Safford)

Lone Star quartz diorite

1058 58.00 -- KA/biot/quartz diorite - Gila Mtns. (Safford)

Lone Star quartz monzonite

1010 53.30 -- KA/biot/quartz monzonite - Gila Mtns. (Safford) PED-35-67
1140 63.80 -- KA/plag/quartz monzonite - Gila Mtns. (Safford) PED-04-64

Long Point basalt

174 7.03 -- KA/w.r./basalt - Long Point area (Tin House) MM:4A
324 14.40 -- KA/w.r./basalt - Long Point area (Tin House) MM:4B

Lookout Mtn. basalt

465 19.20 -- KA/w.r./basalt - Phoenix Mtns. area (Sunnyslope) UAKA-74-149

Lost Gulch (?) aplite

1452 ** 1074.00 -- KA/biot/aplite - Globe-Miami area (Inspiration) C80:57
1477 ** 1272.00 -- KA/musc/aplite - Globe-Miami area (Globe) C80:56

Lost Gulch Quartz Monzonite

1064 ** 58.60 -- KA/biot/quartz monzonite - Globe-Miami area (Inspiration) C80:22
1081 ** 59.90 -- KA/biot/quartz monzonite - Globe-Miami area (Inspiration) C80:21
1097 ** 60.90 -- KA/biot/quartz monzonite - Globe-Miami area (Inspiration) C80:42
1117 ** 62.20 -- KA/biot/quartz monzonite - Globe-Miami area (Inspiration) C80:20
1130 ** 63.10 -- KA/biot/quartz monzonite - Globe-Miami area (Inspiration) C80:17
1135 ** 63.60 -- KA/biot/quartz monzonite - Globe-Miami area (Inspiration) C62:08
1137 ** 63.70 -- KA/biot/quartz monzonite - Globe-Miami area (Inspiration) C80:16
1164 ** 65.20 -- KA/biot/quartz monzonite - Globe-Miami area (Globe) C80:19
1170 ** 65.40 -- KA/biot/quartz monzonite - Globe-Miami area (Inspiration) C80:38
1181 ** 66.30 -- KA/biot/quartz monzonite - Globe-Miami area (Inspiration) C80:18
1399 ** 361.00 -- KA/biot/quartz monzonite - Globe-Miami area (Inspiration) C80:43
1432 ** 915.00 -- KA/biot/quartz monzonite - Globe-Miami area (Inspiration) C80:41
1435 ** 921.00 -- KA/biot/quartz monzonite - Globe-Miami area (Globe) C80:40
1456 ** 1106.00 -- KA/biot/quartz monzonite - Globe-Miami area (Globe) C80:39

Lower Canyon basalt

36 1.18 -- KA/w.r./basalt - Grand Canyon (Vulcans Throne) PED-05-65

Lyman Lake basalt

58 1.98 -- KA/w.r./basalt - Springerville volcanic field (Lyman Lake) UAKA-82-194

Madera Canyon Granodiorite (?)

1219 69.50 -- KA/biot/granodiorite - Santa Rita Mtns. (Mt. Wrightson) RM-06-63

Madera Diorite

1232 ** 70.30 -- KA/biot/quartz diorite - Ray area (Teapot Mtn.) B72:25
1330 ** 100.00 -- KA/biot/quartz diorite - Ray area (Sonora) B72:24B
1419 ** 821.00 -- KA/biot/diorite - Globe-Miami area (Inspiration) C80:58
1540 ** 1438.00 -- KA/biot/diorite - Tortolita Mtns. (Tortolita Mtns.) TMN-93
1547 ** 1463.00 -- SR/min./quartz diorite - Pinal Mtns. (Pinal Peak) DEL-12-65
1561 ** 1547.00 -- SR/plag/quartz diorite - Pinal Mtns. (Pinal Peak) DEL-16-65
1586 1635.00 -- KA/horn/quartz diorite - Ray area (Sonora) B72:24H
1591 1665.00 -- KA/biot/quartz diorite - Pinal Mtns. (El Capitan Mtn.) PED-02-59
1595 1693.00 -- SR/w.r./quartz diorite - Pinal Mtns. (Pinal Peak) DEL-9 TO 13

Madera Diorite(?)

1538 ** 1433.00 -- FT/sphe/quartz diorite - Superstition Mtns. (Weavers Needle) AP211

Malpais Mesa basalt

229 10.02 -- KA/w.r./olivine basalt - Santa Maria area (Malpais Mesa) UAKA-74-36
267 11.80 -- KA/w.r./basalt - Santa Maria Mtns. (Malpais Mesa) 100-77

Manganese Mesa basalt

218 9.55 -- KA/w.r./basalt - Artillery Mtns. (Artillery Peak) UAKA-75-62

Marble Hill porphyry

44 1.56 -- KA/biot/granite porphyry - San Francisco volc. field (White Horse Hills(?)) BES-58-85

Maricopa Mtns. basalt

510 20.44 -- KA/w.r./olivine basalt - Maricopa Mtns. (Lost Horse Peak) UAKA-74-39

Maricopa granite

1495 ** 1341.00 -- KA/biot/granite - Table Top Mtns. (Antelope Peak) KA-71-75

Maverick stock

1047 57.20 -- KA/biot/quartz diorite - Dos Cabezas Mtns. (Luzena) RCE-655-65

Mazatzal Mtns. granite

1571 1596.00 -- SR/w.r./granite - Mazatzal Mtns. (Theodore Roosevelt Dam) DEL-1 TO 3

McCoy Mtns. Fm.

1194 ** 67.10 -- KA/w.r./phyllite - Granite Wash Mtns. (Salome) UAKA-77-64

McDonald Stock

1224 69.80 -- KA/horn/rhyodacite intrusion - Dripping Spring Mtns. (Hayden) 83AB75

McLendon Peak rhyodacite

397 ** 17.10 -- FT/apat/rhyodacite - Santa Maria Mtns. (Date Creek Ranch NW) A3
463 ** 19.20 -- FT/zirc/rhyodacite - Santa Maria Mtns. (Date Creek Ranch NW) A3
571 22.10 -- KA/biot/rhyodacite - Date Creek Basin area (Date Creek Ranch NW) 210-79
673 24.70 -- KA/plag/rhyodacite - Date Creek Basin area (Malpais Mesa SW) 167-78

McLendon volcanics

499 20.30 -- KA/w.r./basaltic andesite - Santa Maria Mtns. (Malpais Mesa) AP78-01

Meadow Valley Trachyandesite

1285 73.90 -- KA/biot/welded tuff - Canelo Hills (Canelo Pass) M73:67

Mesozoic metasedimentary rocks

943 ** 39.10 -- KA/w.r./metasedimentary rock - Castle Dome Mtns. (Castle Dome Mtns.) CD-3
950 ** 39.90 -- KA/w.r./metasedimentary rock - Castle Dome Mtns. (Castle Dome Mtns.) CD-4

Middle Switzer Mesa basalt

153 5.94 -- KA/w.r./basalt - San Francisco volcanic field (Flagstaff West) UAKA-73-118

Midway Cone basalt

50 1.72 -- KA/w.r./basalt - Sentinel volcanic field (Sentinel) UAKA-73-05

Milk Creek Fm.

342 15.00 -- KA/biot/latite - Wagoner area (Walnut Grove) K3
346 15.20 -- KA/biot/latite - Wagoner area (Walnut Grove) K2

Milkweed Canyon granite

379 16.30 -- KA/biot/granite - Hualapai Mtns. (Milkweed Canyon SW) B-3367

Mineral Butte quartz monzonite

1262 72.10 -- KA/biot/quartz monzonite - San Tan Mtns. (Blackwater) KA-71-64

Mineral Mtn. dike

1241 70.70 -- KA/biot/dike - Florence area (North Butte) UAKA-72-1

Mineral Mtn. quartz latite

362 15.82 -- KA/horn/quartz latite intrusion - Mineral Mtn. area (Mineral Mtn.) M76:15
409 17.40 -- KA/biot/quartz latite intrusion - Mineral Mtn. area (Mineral Mtn.) M76:15

Mineral Mtn. quartz monzonite

1247 ** 71.40 -- KA/biot/quartz monzonite - Mineral Mtn. area (Mineral Mtn.) 76T30
1340 ** 124.00 -- KA/horn/quartz monzonite - Mineral Mtn. area (Mineral Mtn.) 76T30
1365 ** 162.00 -- KA/biot/quartz monzonite - Mineral Mtn. area (Mineral Mtn.) KA-71-72

Mineral Mtn. stock

1297 75.60 -- KA/biot/granodiorite - Florence area (North Butte) UAKA-71-33

Mineral Mtn. two-mica granite

1188 ** 66.80 -- KA/biot/granite - Mineral Mtn. area (Mineral Mtn.) 77T40

Mineta Fm.

693 25.10 -- KA/w.r./rhyolite - Rincon Mtns. (Soza Canyon) UAKA-78-33

Mission Mine alteration

977 ** 48.20 -- KA/k-sp/alteration - Sierrita Mtns. (Twin Buttes) M73:05

Mission Mine post-ore dike

776 27.00 -- KA/biot/kersantite - Sierrita Mtns. (Twin Buttes) M73:02

Montana Peak fm.

787 27.20 -- KA/biot/tuff - Atascosa Mtns. (Ruby) UAKA-77-66

Montazona granodiorite

1201 67.60 -- PB/zirc/granodiorite - Cimarron Mtns. (Gu Achi) 3

Montezuma granite

1391 ** 302.00 -- KA/biot/granite - Sierra Estrella (Montezuma Peak) PED-14-65
1393 ** 304.00 -- KA/biot/granite - Sierra Estrella (Montezuma Peak) PED-14-65

Montezuma granite (cont.)

1394 ** 305.00 -- KA/biot/granite - Sierra Estrella (Montezuma Peak) PED-14-65
1434 ** 920.00 -- SR/w.r./granite - Sierra Estrella (Montezuma Peak) PED-14-65
1497 1351.00 -- SR/w.r./granite - Sierra Estrella (Montezuma Peak) SEVERAL

Moonstone ash-flow tuff

692 25.10 -- KA/sani/ash-flow tuff - Blue Range area (Blue) PED-31-67

Morenci diorite porphyry

1129 63.00 -- KA/horn/diorite porphyry - Morenci area (Clifton) L-847
1161 64.80 -- KA/horn/diorite porphyry - Morenci area (Clifton) L-847

Morenci stock

1036 56.50 -- KA/biot/monzonite - Morenci area (Clifton) L-976
1048 57.40 -- KA/biot/granite porphyry - Morenci area (Clifton) B-6

Moss Porphyry

241 ** 10.70 -- KA/biot/quartz monzonite porphyry - Black Mtns. (Oatman) MP-1
445 18.60 -- PB/zirc/granite - Black Mtns. (Oatman) 4-16-84-5

Mount Davis Volcanics

277 12.30 -- KA/w.r./basalt - Lake Mead area (Hoover Dam) BC412
300 13.40 -- KA/w.r./basalt - Lake Mead area (Fire Mtn.) BC424
340 15.00 -- KA/w.r./basalt - Black Mtns. (Mt. Davis) BC409B

Mount Dellenbaugh basalt

175 7.06 -- KA/w.r./basalt - Shivwits Plateau (Mt. Dellenbaugh) PED-37-66

Mt. Ajo granodiorite

951 ** 40.10 -- KA/biot/granodiorite - Little Ajo Mtns. (Mt. Ajo) UAKA-72-39

Mt. Baldy rhyolite

199 8.60 -- KA/k-sp/rhyolite - White Mtns. (Mt. Ord) F-1966

Mt. Benedict Quartz Monzonite

1368 164.00 -- KA/biot/quartz monzonite - Patagonia Mtns. (Nogales) M73:57
1371 168.00 -- KA/horn/quartz monzonite - Patagonia Mtns. (Nogales) M73:57

Mt. Floyd rhyodacite

71 2.40 -- KA/biot/rhyodacite - Mt. Floyd area (Mt. Floyd)

Mt. Hope basalt

197 8.50 -- KA/w.r./basalt - Mohon Mtns. (Mt. Hope) FT-5

Mt. Hope rhyolite

187 8.00 -- KA/w.r./rhyolite - Mohon Mtns. (Mt. Hope) MHS-8

Mt. James rhyodacite

116 4.40 -- KA/biot/rhyodacite - Mt. Floyd area (Mt. Floyd)

Mt. Logan basalt

79 2.63 -- KA/w.r./basalt - Uinkaret Plateau (Mt. Logan) PED-43-66

Mt. Lord Volcanics

1096 ** 60.90 -- KA/sani/rhyolite ash-flow tuff - Silver Bell Mtns. (Vaca Hills) PED-06-63

Mt. McDowell volcanics

420 17.71 -- KA/sani/rhyolite ash-flow tuff - Mt. McDowell area (Granite Reef Dam) UAKA-77-149
429 ** 18.01 -- KA/w.r./K-rich volcanic - Mt. McDowell area (Granite Reef Dam) UAKA-77-148
450 ** 18.70 -- KA/w.r./K-rich volcanic - Mt. McDowell area (Granite Reef Dam) UAKA-77-147

Mt. Rushmore rhyodacite

136 5.40 -- KA/biot/rhyodacite - Mt. Floyd area (Crookton)

Mt. Trumbull basalt

99 3.47 -- KA/w.r./basalt - Uinkaret Plateau (Mt. Trumbull NW) PED-42-66
105 3.67 -- KA/w.r./basalt - Uinkaret Plateau (Mt. Trumbull NW) PED-42-66

Mt. Wrightson Fm.

1190 ** 66.90 -- KA/seri/alteration zone - Santa Rita Mtns. (Mt. Wrightson) UAKA-73-158

Muddy Creek Fm.

129 5.00 -- KA/w.r./basalt - Lake Mead area (Ringbolt Rapids) BC405
137 5.45 -- KA/w.r./basalt - Grand Wash Cliffs (Cane Springs) PED-36-66
148 5.84 -- KA/w.r./basalt - Lake Mead area (Hoover Dam) UAKA-74-138
155 6.00 -- KA/w.r./basalt - Lake Mead area (Black Canyon) A70:27
239 10.64 -- KA/w.r./basalt - Lake Mead area (Hoover Dam) PED-11-64
246 10.90 -- KA/w.r./basalt - Lake Mead area (Senator Mtn.) 733C

Muggins Mtns. volcanics

620 23.60 -- KA/w.r./tuff - Muggins Mtns. (Red Bluff Mtn.) ES:110
1313 ** 80.00 -- KA/biot/tuff - Muggins Mtns. (Wellton) ES:112

Muleshoe volcanics (?)

1282 73.70 -- KA/horn/andesite - Galiuro Mtns. (Redington) UAKA-74-42

Museum porphyry

1361 155.00 -- KA/plag/andesite porphyry - Tucson Mtns. (Brown Mtn.) UAKA-67-200

Music Mtns. quartz monzonite

1551 ** 1485.00 -- SR/min./quartz monzonite - Music Mtns. (Music Mtns. NE) A-3
1587 1635.00 -- KA/horn/quartz monzonite - Music Mtns. (Music Mtns. NE) A-3

Natanes volcanics

813 28.00 -- KA/ /basaltic andesite - Natanes Plateau NP-1A

New Cornelia pegmatite

1153 64.60 -- KA/biot/pegmatite - Little Ajo Mtns. (Ajo) RM-02-62

New Cornelia stock

915 ** 34.00 -- KA/biot/quartz monzonite - Little Ajo Mtns. (Ajo)
1136 63.60 -- KA/biot/quartz monzonite - Little Ajo Mtns. (Ajo) L-843
1142 63.90 -- KA/biot/quartz monzonite - Little Ajo Mtns. (Ajo) L-843
1165 65.20 -- KA/biot/quartz monzonite - Little Ajo Mtns. (Ajo) L-843

New River basalt

514 20.50 -- KA/w.r./basalt - Agua Fria area (New River) ES:63

Newman Peak granite

624 ** 23.60 -- KA/biot/granite - Picacho Mtns. (Picacho Reservoir)

Ninemile Peak volcanics

520 20.50 -- KA/biot/ - Ajo Range (Mt. Ajo) T86:5
542 21.30 -- KA/biot/ - Ajo Range (Mt. Ajo) T86:6
579 22.40 -- KA/biot/ - Ajo Range (Mt. Ajo) T86:7

Ninemile granodiorite

861 29.60 -- KA/biot/granodiorite - Dos Cabezas Mtns. (Bowie Mtn. North) RCE-622-65

Nipper Fm.

890 31.77 -- KA/w.r./andesite - Chiricahua Mtns. (Portal) UAKA-76-113

Noeh Mesa tuff

642 24.00 -- FT/zirc/tuff - Morenci area (York Valley) TF2
727 25.70 — FT/zirc/tuff - Morenci area (Big Lue Mts.) TF1

Nogales Fm.

287 12.90 — KA/w.r./olivine basalt - Santa Cruz Valley (Pena Blanca Lake) M73:50
1362 ** 157.00 -- KA/horn/tuff - Santa Cruz Valley (Nogales) M73:56

North Sugarloaf rhyodacite

82 2.78 — KA/sani/rhyodacite - San Francisco volcanic field (O'Leary Peak) PED-15-70
83 2.79 — KA/biot/rhyodacite - San Francisco volcanic field (O'Leary Peak) BES-58-111

Nothing granite

1526 1416.00 -- PB/zirc/quartz monzonite - Poachie Range (Arrastra Mtn. NE)
1527 1416.00 — PB/zirc/quartz monzonite - Poachie Range (Arrastra Mtn. NE)

O'Leary Peak rhyolite

7 0.21 — KA/sani/rhyolite - San Francisco volcanic field (O'Leary Peak) PED-14-70
9 0.24 — KA/sani/rhyolite - San Francisco volcanic field (O'Leary Peak) UAKA-71-08

O'Neil Crater basalt

3 0.05 — KA/w.r./basaltic andesite - San Francisco volcanic field (Winona) UAKA-73-120

Oak Creek basalt

189 8.15 — KA/w.r./basalt - Oak Creek Canyon (Wilson Mtn.) MM:2A

Oak Creek switchback basalt

157 6.05 — KA/w.r./basalt - Oak Creek Canyon (Mountainaire) PED-54-66

Oatman vein

539 ** 21.20 — KA/k-sp/vein - Black Mtns. (Oatman (?)) DT:5

Oracle Granite

947 ** 39.40 — KA/biot/granite - Santa Catalina Mtns. (Oracle) PED-27-57
989 ** 50.30 — KA/biot/granite - Santa Catalina Mtns. (Oracle) PED-01-58
1352 ** 141.00 — KA/biot/granite - Black Mtn. (Black Mtn.) UAKA-63-32
1437 ** 946.00 — KA/orth/granite - Oracle area (Oracle) DEL-13-62
1470 ** 1248.00 — SR/w.r./granite - Picacho Basin (Eloy North) ES:5
1472 ** 1253.00 — KA/biot/granite - Sacaton Mtns. (Gila Butte SE) KA-71-68
1498 ** 1351.00 — SR/w.r./granite - Santa Catalina-Rincon-Tortolita Mtns. (Campo Bonito) SEVERAL
1511 1380.00 — KA/biot/granite - Oracle area (Oracle) DEL-13-62
1518 1400.00 — SR/plag/quartz monzonite - Oracle area (Campo Bonito) PED-2-58
1530 1419.00 — SR/biot/granite - Oracle area (Campo Bonito) PED-2-58
1532 1420.00 — PB/zirc/granite - Santa Catalina Mtns. (Agua Caliente Hill)
1534 1426.00 — KA/plag/granite - Oracle area (Oracle) DEL-13-62
1535 1430.00 — KA/biot/granite - Oracle area (Campo Bonito) PED-02-58

Oracle Granite (?)

730 ** 25.70 — KA/biot/foliated granite - Picacho Basin (Eloy North) ES:05
807 ** 27.70 — KA/biot/granite - Durham-Suizo area (Tortolita Mtns.) UAKA-63-36
960 ** 43.90 — KA/biot/granite - Florence area (Picacho Reservoir) RR:2
1213 ** 68.80 — KA/biot/granite - Gila Mtns. (Safford)
1348 ** 137.00 — KA/biot/granite - Florence area (Picacho Reservoir) RR:1
1486 ** 1320.00 — KA/musc/granite - Tortilla Mtns. (Putnam Wash) W-38

Oracle Granite pegmatite

1461 ** 1150.00 -- KA/biot/pegmatite - Black Mtn. (Black Mtn.) UAKA-63-31
1533 1425.00 — KA/musc/pegmatite - Oracle area (Campo Bonito) PED-03-58

Orphan breccia pipe

1321 ** 86.00 — PB/uran/mineralization - Grand Canyon (Bright Angel) K-168
1350 ** 139.00 — PB/uran/mineralization - Grand Canyon (Bright Angel) 8

Osborne Wash Fm.

196 8.50 -- KA/w.r./basalt - Buckskin Mtns. (Cross Roads) MWC-55-74
289 12.90 -- KA/w.r./basalt - Buckskin Mtns. (Parker) MWC-56-74
319 14.10 -- KA/w.r./basalt - Buckskin Mtns. (Black Peak) RD-21
364 ** 15.90 -- KA/plag/olivine basalt - Buckskin Mtns. (Cross Roads) 1882
372 16.14 -- KA/w.r./basaltic andesite - Buckskin Mtns. (Black Peak) UAKA-68-07
373 16.16 -- KA/w.r./basaltic andesite - Buckskin Mtns. (Cross Roads) UAKA-68-06
517 ** 20.50 -- KA/w.r./basalt - Buckskin Mtns. (Black Peak) ES:89

Osborne Wash Fm. (?)

219 9.60 -- KA/w.r./basalt - Buckskin Mtns. (Black Peak) RD-16

Owl Head Butte volcanics

765 26.70 -- KA/biot/quartz latite - Tortolita Mtns. (Tortolita Mtns.) TMN-92

Painted Rock basalt

428 18.00 -- KA/w.r./basalt - Painted Rock Mtns. (Citrus Valley West) ES:100

Palmer Wash granite

1572 ** 1605.00 -- SR/w.r./granite - Black Mtn. (Putnam Wash)

Palo Verde volcanics

395 16.87 -- KA/w.r./basaltic andesite - Palo Verde Hills (Arlington) UAKA-73-94
423 17.90 -- KA/w.r./basalt - Palo Verde Hills (Arlington) UAKA-73-32
475 19.52 -- KA/w.r./andesite - Palo Verde Hills (Arlington) UAKA-73-21
476 19.58 -- KA/w.r./basaltic andesite - Palo Verde Hills (Arlington) UAKA-73-30
479 19.60 -- KA/w.r./basalt - Arlington Valley (Spring Mtn.) R-2640
483 19.80 -- KA/w.r./basalt - Arlington Valley (Spring Mtn.) R-2638
488 19.91 -- KA/w.r./basaltic andesite - Arlington Valley (Arlington) UAKA-73-22
492 20.00 -- KA/w.r./basaltic andesite - Arlington Valley (Spring Mtn.) UAKA-73-27
494 20.10 -- KA/w.r./basalt - Arlington Valley (Spring Mtn.) R-2639
503 20.35 -- KA/w.r./basaltic andesite - Palo Verde Hills (Arlington) UAKA-73-29
504 20.36 -- KA/w.r./andesite dike - Palo Verde Hills (Arlington) UAKA-73-31
509 20.41 -- KA/w.r./basaltic andesite - Arlington Valley (Spring Mtn.) UAKA-73-08
525 20.70 -- KA/w.r./basalt - Palo Verde Hills (Arlington) UAKA-73-33

Palomas Plain basalt

867 30.00 -- KA/w.r./basalt - Palomas Plain (Palomas Mtns.) UAKA-72-47

Pan Tak Granite

1056 58.00 -- PB/zirc/granite - Coyote Mtns. (Pan Tak) PUP 14

Pantano Fm.

681 24.93 -- KA/plag/andesite porphyry - Cienega Gap area (Vail) PED-40-63
843 28.70 -- KA/biot/dacite - Cienega Gap area (Mt. Fagan) M73:73
857 29.47 -- KA/biot/tuff - Cienega Gap area (Vail) PED-07-65
909 33.60 -- KA/biot/rhyolite ash-flow tuff - Cienega Gap area (Mt. Fagan) PED-13-62
936 37.60 -- KA/sani/rhyolite ash-flow tuff - Cienega Gap area (Mt. Fagan) PED-13-62

Pantano Fm. (?)

675 24.85 -- KA/w.r./basalt - Babocomari River area (Mustang Mtns.) PED-09-70
768 26.71 -- KA/sani/ash-flow tuff - Babocomari River area (Mustang Mtns.) PED-10-70
808 27.84 -- KA/sani/ash-flow tuff - Babocomari River area (Pyeatt Ranch) PED-11-70
949 39.80 -- KA/biot/rhyolite tuff - Babocomari River area (Pyeatt Ranch) M73:71

Pat Hills andesite

917 34.50 -- KA/horn/andesite - Sulphur Springs Valley (Pat Hills North) 74D161

Pat Hills granodiorite

866 29.96 -- KA/biot/granodiorite - Sulphur Springs Valley (Dos Cabezas SW) UAKA-73-12

Patagonia granodiorite

1075 59.50 -- KA/biot/granodiorite - Patagonia Mtns. (Harshaw) M73:53
1076 59.50 -- KA/horn/granodiorite - Patagonia Mtns. (Harshaw) M73:53

Patagonia granodiorite (cont.)

1077 59.50 -- KA/biot/quartz monzonite - Patagonia Mtns. (Duquesne) M73:54

Patagonia quartz diorite

1168 65.40 -- KA/biot/quartz diorite - Patagonia Mtns. (Harshaw) RM-07-63

Patagonia tuff

621 23.60 -- KA/biot/rhyolite tuff - Patagonia Mtns. (Harshaw) M73:51
736 25.83 -- KA/biot/ash-flow tuff - Patagonia Mtns. (Cumero Canyon) PED-10-62
763 26.70 -- KA/biot/rhyolite tuff - Patagonia Mtns. (Cumero Canyon) M73:52
804 27.70 -- KA/horn/rhyolite tuff - Patagonia Mtns. (Harshaw) M73:51

Patsy Mine Volcanics

460 ** 19.10 -- KA/w.r./ash-flow tuff - Black Mtns. (Black Canyon) BC309
611 ** 23.40 -- KA/sani/ash-flow tuff - Black Mtns. (Black Canyon) BC309
838 ** 28.60 -- KA/biot/ash-flow tuff - Black Mtns. (Black Canyon) A72:45
956 ** 41.90 -- KA/biot/ash-flow tuff - Black Mtns. (Black Canyon) A72:46

Patsy Mine Volcanics (?)

353 15.40 -- KA/sani/air-fall tuff - White Hills (Garnet Mtn.) 728A

Payson Granite

1605 1703.00 -- PB/zirc/granite - Payson area (Payson North)

Peach Springs Tuff

454 18.76 -- KA/sani/rhyodacitic tuff - Hualapai Plateau (Peach Springs) PED-27-63

Peacock Mtns. volcanics

313 13.80 -- KA/w.r./andesite - Peacock Mtns. area (Tin Mtn. NW) F78-64
519 ** 20.50 -- KA/biot/dacite - Peacock Mtns. area (Tin Mtn. NW) F78-59

Pearce granodiorite

612 23.40 -- KA/biot/granodiorite - Pearce area (Pearce) UAKA-72-67

Peloncillo volcanics

748 26.20 -- KA/ /volcanic rock - Peloncillo Mtns. (Guthrie (?)) PC-1B

Peridot Cove basalt

131 5.28 -- KA/plag/basalt - San Carlos area (Coolidge Dam) UAKA-75-30

Peridot Mesa basalt

30 0.93 -- KA/w.r./basalt - San Carlos area (San Carlos) UAKA-77-33

Perkinsville Fm.

120 4.60 -- KA/w.r./basalt - Chino Valley (Chino Valley North) PA3
127 4.87 -- KA/w.r./basalt - Chino Valley (Perkinsville) CD4
128 4.96 -- KA/w.r./basalt - Chino Valley (Sycamore Basin) CD7
164 6.26 -- KA/w.r./basalt - Chino Valley (Hell Point) PA2

Petroglyph Hill andesite

835 28.52 -- KA/biot/andesite - Silver Bell Mtns. (Silver Bell Peak) PED-01-63

Picacho Butte rhyodacite

223 9.80 -- KA/horn/rhyodacite - Mt. Floyd area (Picacho Butte) F78-113

Picacho Mtns. granite

660 24.35 -- KA/biot/granodiorite - Picacho Mtns. (Picacho Reservoir SE) UAKA-73-64

Picacho Peak volcanics

344 ** 15.10 -- KA/w.r./K-rich volcanic - Picacho Basin (Picacho Reservoir) UAKA-73-140
388 ** 16.60 -- FT/zirc/K-rich volcanic - Picacho Peak (Newman Peak)
529 ** 20.74 -- KA/w.r./K-rich volcanic - Picacho Peak (Newman Peak) UAKA-75-29
580 22.42 -- KA/horn/K-rich volcanic - Picacho Peak (Newman Peak) UAKA-75-85
581 22.42 -- KA/w.r./K-rich volcanic - Picacho Peak (Newman Peak) UAKA-75-28
582 22.44 -- KA/w.r./K-rich volcanic - Picacho Peak (Newman Peak) UAKA-75-27
591 ** 22.63 -- KA/w.r./K-rich volcanic - Picacho Peak (Newman Peak) UAKA-75-76
864 ** 29.80 -- KA/w.r./K-rich volcanic - Avra Valley (Silver Bell Peak) ES:11

Picacho Peak volcanics (?)

338 14.90 -- KA/w.r./K-rich volcanic - Picacho Basin (Eloy North) UAKA-73-140
408 17.40 -- KA/w.r./basalt - Picacho Basin (Picacho Reservoir) ES:05

Picketpost Mtn. dacite

441 18.40 -- KA/biot/dacite - Superior area (Picketpost Mtn.) UAKA-65-11
455 18.80 -- KA/plag/dacite - Superior area (Picketpost Mtn.) UAKA-65-11

Picture Rocks basalt

320 14.14 -- KA/w.r./basalt - Florence area (Florence SE) UAKA-72-20

Pima District tuff

1050 57.40 -- KA/biot/rhyolite tuff - Sierrita Mtns. (Twin Buttes) M73:08

Pima Mine dike

750 26.30 -- KA/biot/andesite dike - Sierrita Mtns. (Twin Buttes) UAKA-74-89

Pima Mine mineralization

1040 56.70 -- KA/seri/vein - Sierrita Mtns. (Twin Buttes) UAKA-75-118

Pima Mine porphyry

1049 57.40 -- KA/biot/quartz monzonite porphyry - Sierrita Mtns. (Twin Buttes) M73:07

Pinal Mtns. pegmatite

1577 1611.00 -- KA/musc/pegmatite - Pinal Mtns. (El Capitan Mtn.) PED-03-59
1580 1620.00 -- KA/musc/pegmatite - Pinal Mtns. (El Capitan Mtn.) UAKA-59-01

Pinal Schist

1519 ** 1400.00 -- KA/musc/schist - Pinal Mtns. (El Capitan Mtn.) UAKA-59-01
1549 ** 1468.00 -- SR/w.r./metarhyolite - Tortilla Mtns. (Teapot Mtn.) DEL3-8
1597 1695.00 -- PB/zirc/metarhyolite - Little Dragoon Mtns. (Dragoon)

Pinaleno Mtns. gneiss (?)

1396 ** 325.00 -- KA/chlo/granitic gneiss - Pinaleno Mtns. (Fort Grant) UAKA-60-12

Pinaleno ultramylonite

825 ** 28.30 -- KA/w.r./ultramylonite - Pinaleno Mtns. (Thatcher) GR-MY-1

Pipeline basalt

186 8.00 -- KA/w.r./basalt - Dos Cabezas Mtns. (Railroad Pass) 81D135

Pitahaya Canyon basalt

449 18.60 -- KA/w.r./basalt - Ajo Range (Mt. Ajo) T86:1

Plomosa mesa-capping basalt

403 17.24 -- KA/w.r./basalt - Plomosa Mtns. (Quartzsite) UAKA-74-37

Plomosa volcanics

472 19.41 -- KA/biot/rhyolite - Plomosa Mtns. (Quartzsite) UAKA-74-38
478 19.60 -- KA/horn/rhyodacite - Plomosa Mtns. (Quartzsite) QQ
524 20.70 -- KA/biot/rhyodacite - Plomosa Mtns. (Quartzsite) QQ

Plomosa volcanics (cont.)

667 24.60 -- KA/biot/rhyolitic tuff - Plomosa Mtns. (Bouse) ES:91

Poachie Range gneiss

1395 ** 312.00 -- KA/biot/granitic gneiss - Poachie Range (Arrastra Mtn. NE) PED-23-57
1398 ** 337.00 -- KA/biot/granitic gneiss - Poachie Range (Arrastra Mtn. NE) PED-23-57
1610 1711.00 -- PB/zirc/granodiorite gneiss - Poachie Range (Arrastra Mtn.)

Polecat quartz monzonite

1441 ** 1020.00 -- KA/w.r./quartz monzonite - Dos Cabezas Mtns. (Dos Cabezas) RCE-802-65

Post-Sheep Crossing Fm. basalt

205 8.90 -- KA/w.r./basalt - White Mtns. (Mt. Ord) R-1162

Post-Teapot Mtn. Porphyry dike

1252 ** 71.50 -- KA/biot/rhyodacite dike - Dripping Spring Mtns. (Sonora) B72:18

Poston Butte basalt

188 8.12 -- KA/w.r./basalt - Florence area (Florence) UAKA-72-20

Pothole Canyon rhyolite

704 25.30 -- KA/biot/rhyolite - Chiricahua Mtns. (Portal) UAKA-84-89

Potts Mtn. rhyolite

282 12.60 -- KA/sani/rhyolite - Artillery Mtns. (Artillery Peak) AP-04A

Powerline Pass rhyodacite

678 24.90 -- KA/biot/rhyodacite - Whitlock Mtns. (Dry Mtn.) R81:D

Pre-Chapin Wash Fm. rhyodacite

731 25.70 -- KA/plag/rhyodacite - Date Creek Basin area (Malpais Mesa (?))

Pre-Granite Mtn. Porphyry dike

1138 63.70 -- KA/biot/rhyodacite dike - Ray area (Teapot Mtn.) B72:12

Prescott granodiorite

1501 ** 1360.00 -- KA/biot/granodiorite - Prescott area (Prescott) CAA-6

Presumido Peak granite

953 40.90 -- SR/min./granite - Baboquivari Mtns. (Caponera Peak) SEVERAL

Prompter dike

1139 63.70 -- KA/k-sp/rhyolite dike - Tombstone Hills (Tombstone) H7-1

Pyramid Peak basaltic andesite

421 17.72 -- KA/w.r./basaltic andesite - Cave Creek area (Daisy Mtn.) UAKA-78-42

Quiburis Fm.

133 5.35 -- KA/glas/air-fall tuff - San Pedro Valley (Clark Ranch) LDA-01-66
146 5.74 -- KA/glas/air-fall tuff - San Pedro Valley (Peppersauce Wash) RBS-61F-68
152 5.92 -- KA/glas/air-fall tuff - San Pedro Valley (Peppersauce Wash) RBS-61-68
167 6.43 -- KA/glas/air-fall tuff - San Pedro Valley (Redington) RBS-68-68

Quitobaquito mylonite

1017 54.50 -- KA/biot/ultramylonite - Quitobaquito Hills (Agua Dulce Mtns.) OP-799B
1023 54.90 -- KA/mica/ultramylonite - Quitobaquito Hills (Agua Dulce Mtns.) OP-799
1026 55.00 -- KA/mica/ultramylonite - Quitobaquito Hills (Agua Dulce Mtns.) OP-799
1061 58.30 -- KA/w.r./ultramylonite - Quitobaquito Hills (Quitobaquito Springs) OP-799E
1062 58.30 -- KA/w.r./ultramylonite - Quitobaquito Hills (Quitobaquito Springs) OP-799E
1066 58.60 -- KA/biot/ultramylonite - Quitobaquito Hills (Agua Dulce Mtns.) OP-799A

Quitobaquito mylonite (cont.)

1079 59.70 -- KA/biot/mylonite gneiss - Quitobaquito Hills (Quitobaquito Springs) OP-799I-1
1084 59.90 -- KA/biot/ultramylonite - Quitobaquito Hills (Quitobaquito Springs) OP-799H

Ragged Top rhyolite

725 25.64 -- KA/biot/rhyolite - Silver Bell Mtns. (Silver Bell Peak) RM-04-63

Rare Metal Mine dike

1152 64.60 -- KA/biot/rhyodacite dike - Tortilla Mtns. (Grayback) PHK-05-69

Rare Metals Pegmatite

1565 ** 1559.00 -- SR/micr/pegmatite - Aquarius Mtns. (Tule Wash) A-32
1584 ** 1635.00 -- KA/musc/pegmatite - Aquarius Mtns. (Tule Wash) A-31
1590 ** 1644.00 -- SR/musc/pegmatite - Aquarius Mtns. (Tule Wash) A-31

Rattler Granodiorite

1228 70.20 -- KA/biot/granodiorite - Dripping Spring Mtns. (Sonora) B72:09
1235 70.40 -- FT/sphe/granodiorite - Ray area (El Capitan Mtn.) BAS:10
1240 70.60 -- FT/apat/granodiorite - Ray area (El Capitan Mtn.) BAS:10
1251 71.50 -- KA/biot/granodiorite - Dripping Spring Mtns. (El Capitan Mtn.) B72:10B
1270 72.90 -- KA/biot/granodiorite - Dripping Spring Mtns. (Sonora) DEL-01-65
1306 76.30 -- KA/horn/granodiorite - Dripping Spring Mtns. (El Capitan Mtn.) B72:10H

Rattlesnake Hill granite

1480 ** 1284.00 -- SR/w.r./granite - Hualapai Mtns. (Rattlesnake Hill) RHD-8,-9,-10
1485 ** 1320.00 -- KA/biot/granite - Hualapai Mtns. (Rattlesnake Hill) UAKA-21-57

Rawhide Mtns. gneiss

999 ** 52.20 -- KA/biot/biotite schist - Rawhide Mtns. (Artillery Peak) UAKA-75-61
1054 ** 57.60 -- KA/horn/gneiss - Rawhide Mtns. (Artillery Peak) UAKA-75-61

Ray hornblende andesite

1347 ** 131.00 -- KA/horn/porphyritic andesite - Ray area (Sonora) B72:01

Ray vein

1187 66.80 -- KA/biot/vein - Ray area (Sonora) B72:20
1196 67.30 -- KA/biot/vein - Ray area (Sonora) B72:19

Recortado tuff

290 12.93 -- KA/sani/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-03-64
291 12.96 -- KA/sani/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-02-67
322 14.25 -- KA/sani/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-03-64

Red Butte basalt

202 8.78 -- KA/w.r./basalt - Coconino Plateau (Red Butte SE) UAKA-71-38
206 8.93 -- KA/w.r./basalt - Coconino Plateau (Red Butte SE) UAKA-71-37
222 9.73 -- KA/w.r./basalt - Coconino Plateau (Red Butte SE) UAKA-71-37

Red Rock Group

1596 1695.00 -- PB/zirc/rhyolite - Mazatzal Mtns. (Reno Pass)
1603 1700.00 -- PB/zirc/rhyolite ash-flow - Diamond Butte area (McDonald Mtn.)

Redmond Formation

1550 ** 1478.00 -- SR/w.r./rhyolite - Salt River Canyon area (Haystack Butte) SEVERAL

Reef Mine vein

974 47.80 -- KA/seri/quartz vein - Huachuca Mtns. (Miller Peak) UAKA-75-115

Reeves No. 1 basalt

1284 ** 73.80 -- KA/biot/basalt - Buckeye area (Buckeye NW) ES:96

Rhyolite Canyon Fm.

389 ** 16.60 -- KA/sani/rhyolite tuff - Chiricahua Mtns. (Cochise Head) PED-12-62A
672 24.70 -- KA/sani/rhyolite - Chiricahua Mtns. (Cochise Head) PED-12-62B
707 25.40 -- KA/sani/rhyolite tuff - Chiricahua Mtns. (Cochise Head) DM-03-67
719 25.60 -- KA/sani/rhyolite tuff - Chiricahua Mtns. (Rustler Peak) DM-02-67
788 27.25 -- KA/sani/rhyolite tuff - Chiricahua Mtns. (Cochise Head) PED-12-62A

Rillito andesite

946 39.40 -- KA/biot/andesite - Tucson Mtns. (Brown Mtn.) PED-09-63

Rim Gravel

1018 54.56 -- KA/w.r./latite boulder - Apache Segment (Round Top Mtn.) UAKA-76-106
1041 56.79 -- KA/w.r./andesite boulder - Apache Segment (Round Top Mtn.) UAKA-76-106
1186 66.72 -- KA/w.r./basaltic andesite boulder - Apache Segment (Round Top Mtn.) UAKA-76-106

Rincon Mtns. schist

806 ** 27.70 -- KA/musc/schist - Rincon Mtns. (Rincon Valley) PED-29-60
853 ** 29.10 -- KA/biot/schist - Rincon Mtns. (Happy Valley) M73:84
859 ** 29.60 -- KA/musc/schist - Rincon Mtns. (Happy Valley) M73:85
918 ** 34.60 -- KA/biot/schist - Rincon Mtns. (Happy Valley) M73:85

Rincon Valley Granodiorite

1492 ** 1340.00 -- KA/biot/granodiorite - Rincon Mtns. (Rincon Valley) 74D62
1514 1390.00 -- KA/musc/granodiorite - Rincon Mtns. (Rincon Valley) 74D57
1516 1395.00 -- KA/biot/granodiorite - Rincon Mtns. (Rincon Valley) 74D57
1521 1410.00 -- SR/min./granodiorite - Rincon Mtns. (Tanque Verde Peak) 74D62
1525 1415.00 -- KA/musc/granodiorite - Rincon Mtns. (Rincon Valley) 74D62
1545 1460.00 -- KA/biot/granite - Rincon Mtns. (Rincon Valley) M73:87
1562 1550.00 -- KA/biot/quartz monzonite - Rincon Mtns. (Happy Valley) M73:86
1567 1570.00 -- KA/horn/granite - Rincon Mtns. (Rincon Valley) M73:87

Rio de Flag Fm.

159 6.13 -- KA/w.r./basalt - San Francisco volcanic field (Flagstaff West)

Road Runner Rhyolite

457 18.90 -- KA/w.r./rhyolite - Ray area (Teapot Mtn.) C83:1

Roadside Fm.

991 ** 50.80 -- KA/w.r./basaltic andesite - Roskruge Mtns. (San Vicente) UAKA-77-60

1185 ** 66.70 -- KA/w.r./andesite - Roskruge Mtns. (Cocoraque Butte) MB-02-65

Rocks of Grand Wash trough

243 10.80 -- FT/zirc/air-fall tuff - Grand Wash area (Iceberg Canyon) B84:41
250 11.10 -- FT/zirc/air-fall tuff - Grand Wash area (Iceberg Canyon) B84:43
261 11.60 -- FT/zirc/air-fall tuff - Grand Wash area (Iceberg Canyon) B84:42

Roskruge Mtns. dike

224 9.86 -- KA/w.r./basalt dike - Roskruge Mtns. (Cocoraque Butte) MB-17-64

Roskruge Volcanics

1189 66.90 -- KA/plag/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-15-64
1231 70.30 -- KA/biot/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-14-64
1236 70.40 -- KA/sani/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-15-64
1237 70.40 -- KA/biot/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-01-65
1246 71.40 -- KA/biot/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-01-64
1255 71.70 -- KA/biot/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-14-64
1273 73.00 -- KA/biot/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-01-64
1283 73.80 -- KA/biot/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-15-64
1287 74.20 -- KA/biot/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-15-64
1298 75.80 -- KA/biot/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) PED-12-61
1300 76.00 -- KA/biot/ash-flow tuff - Roskruge Mtns. (Cocoraque Butte) MB-05-64

Roskruge Volcanics (?)

1256 71.90 -- KA/biot/quartz latite - Roskruge Mtns. (Vaca Hills) VHSE-7N

Rough Mtn. dike

734 25.70 -- KA/biot/rhyolite - Chiricahua Mtns. (Cochise Head) DH82:4

Rough Mtn. gneiss

1002 ** 52.30 -- KA/biot/gneiss - Dos Cabezas Mtns. (Luzena) RCE-853-66

Round Top rhyolite

814 28.03 -- KA/w.r./rhyolite - Apache Segment (Round Top Mtn.) UAKA-76-110

Ruby Star Granodiorite

957 ** 41.90 -- KA/biot/granodiorite - Sierrita Mtns. (San Xavier Mission) UAKA-76-45
970 ** 47.20 -- KA/biot/granodiorite - Sierrita Mtns. (Twin Buttes) M73:04
986 ** 49.90 -- KA/biot/granite - Sierrita Mtns. (Twin Buttes) UAKA-75-116
995 ** 51.40 -- KA/biot/granodiorite - Sierrita Mtns. (Twin Buttes) UAKA-76-46
1132 63.10 -- KA/biot/granodiorite - Sierrita Mtns. (Twin Buttes) M73:10

Ruby Star Granodiorite (?)

935 ** 36.90 -- KA/biot/granodiorite - Sierrita Mtns. (Twin Buttes) M73:03

Ruin Granite

1436 ** 922.00 -- KA/orth/granite - Salt River Canyon area (Rockinstraw Mtn.) DEL-03-62
1524 1415.00 -- KA/biot/granite - Salt River Canyon area (Rockinstraw Mtn.) DEL-03-62
1528 1416.00 -- KA/biot/granite - Globe-Miami area (Inspiration) C80:44
1539 1436.00 -- KA/plag/granite - Salt River Canyon area (Rockinstraw Mtn.) DEL-03-62
1541 1439.00 -- SR/min./granite - Sierra Ancha (Rockinstraw Mtn.) DEL3 to 8-62
1542 1440.00 -- PB/zirc/granite - Globe Hills (Rockinstraw Mtn.)
1544 1455.00 -- KA/biot/granite - Salt River Canyon area (Rockinstraw Mtn.) DEL-03-62
1552 1485.00 -- KA/biot/granite - Sierra Ancha (Rockinstraw Mtn.) PED-32-61

S O Volcanics

976 ** 48.00 -- KA/biot/quartz latite tuff - Dragoon Mtns. (Hay Mtn.) M73:92

S P basalt

5 0.07 -- KA/w.r./basalt - San Francisco volcanic field (S P Mtn.)

Sacaton Peak granite

985 ** 49.80 -- KA/biot/granite - Sacaton Mtns. (Casa Grande East) KA-71-42
1127 62.90 -- KA/biot/granite - Sacaton Mtns. (Sacaton) KA-71-73
1141 63.90 -- KA/horn/granite - San Tan Mtns. (Florence) KA-71-66
1177 66.00 -- KA/biot/granite - San Tan Mtns. (Blackwater) KA-71-65

Sacaton granite

1426 ** 870.00 -- KA/musc/granite - Sacaton Mtns. (Casa Grande West) KA-71-70

Saddle Mtn. rhyolite

1102 61.00 -- KA/biot/rhyolite stock - Galiuro Mtns. (Saddle Mtn.)

Safford Peak dacite neck

690 25.10 -- KA/biot/dacite - Tucson Mtns. (Avra) PED-01-64

Safford Peak tuff

697 25.20 -- KA/biot/tuff - Tucson Mtns. (Avra) PED-10-63

Safford Peak upper andesite

832 28.50 -- KA/biot/andesite - Tucson Mtns. (Avra) MB-02-62

Salero Fm.

1288 74.30 -- KA/biot/rhyodacite welded tuff - Santa Rita Mtns. (Mt. Wrightson) M73:35

Salome dike

1037 56.50 -- KA/feld/felsic dike - Little Harquahala Mtns. (Salome) AWL-7-83

Samaniego andesite

502 20.32 -- KA/w.r./andesite - Silver Bell Mtns. (Samaniego Hills) RLE-27-68
538 21.17 -- KA/w.r./andesite - Silver Bell Mtns. (Samaniego Hills) RLE-29-67

San Carlos basanite

17 0.58 -- KA/w.r./basanite - San Carlos area (San Carlos) PA-1

San Carlos xenolith

4 0.05 -- KA/w.r./mantle xenolith - San Carlos area (San Carlos) PA-12
49 1.70 -- KA/w.r./mantle xenolith - San Carlos area (San Carlos) PA-10
271 12.00 -- KA/w.r./mantle xenolith - San Carlos area (San Carlos) PA-65G

San Cayetano granodiorite

822 28.30 -- KA/biot/granodiorite - Santa Rita Mtns. (San Cayetano Mtns.) M73:18

San Francisco rhyolite

22 0.80 -- KA/w.r./rhyolite - San Francisco volcanic field (Sunset Crater West) U84:1

San Manuel Fm.

427 18.00 -- KA/biot/rhyodacite tuff - Tortilla Mtns. (Crozier Peak)
496 20.11 -- KA/biot/air-fall tuff - Tortilla Mtns. (Crozier Peak) UAKA-76-133
569 22.10 -- KA/w.r./basalt - San Manuel area (Oracle)
613 ** 23.40 -- KA/horn/tuff - Tortilla Mtns. (Crozier Peak) UAKA-76-133B
652 24.10 -- KA/sani/rhyodacite tuff - Tortilla Mtns. (Crozier Peak)
721 ** 25.60 -- KA/plag/air-fall tuff - Tortilla Mtns. (Crozier Peak) UAKA-76-133

San Manuel Fm. (?)

414 17.50 -- KA/biot/rhyodacite tuff - Tortilla Mtns. (Kearny) 12-100
535 21.00 -- KA/w.r./basalt - Tortolita Mtns. (Tortolita Mtns.) OHB

San Manuel porphyry

1162 65.00 -- KA/biot/granodiorite - San Manuel area (Mammoth)
1218 69.00 -- KA/biot/granodiorite - San Manuel area (Mammoth)

San Tan Mtns. ash-flow tuff

742 26.00 -- KA/phlo/ash-flow tuff - San Tan Mtns. (Sacaton) KA-71-74
1367 ** 164.00 -- KA/biot/ash-flow tuff - San Tan Mtns. (Magma) ES:04

San Tan granite

1504 1361.00 -- KA/biot/granite - San Tan Mtns. (Sacaton NE) KA-71-63

San Xavier granite

927 ** 36.00 -- KA/musc/granite - Sierrita Mtns. (San Xavier Mission) UAKA-78-63

San Xavier porphyry

1057 58.00 -- KA/k-sp/quartz monzonite porphyry - Sierrita Mtns. (San Xavier Mission) UAKA-78-64

Sand Tank volcanics

442 18.40 -- KA/plag/basalt - Sand Tank Mtns. (Gila Bend) 82AM61
553 21.80 -- KA/horn/dacite - Sand Tank Mtns. (Kaka) AA1128
561 21.90 -- KA/biot/rhyolitic tuff - Sand Tank Mtns. (Big Horn) 83AM82

Sandy Point basalt

107 3.79 -- KA/w.r./basalt - Lake Mead area (Meadview North) UAKA-64-08

Sandy Point basalt (?)

61 2.05 -- KA/w.r./basalt - Lake Mead area (Iceberg Canyon) PED-09-65

Santa Catalina trachyte dike

534 21.00 -- KA/w.r./trachyte - Santa Catalina Mtns. (Sabino Canyon) UAKA-72-21

Santa Maria basalt

297 13.19 — KA/w.r./basalt - Date Creek Basin area (Arrastra Mtn. SE) UAKA-77-70

Santa Teresa Granite

596 22.80 — KA/biot/biotite granite - Santa Teresa Mtns. (Cobre Grande Mtn.) UAKA-75-21

Sasco andesite

359 15.63 — KA/w.r./andesite - Silver Bell Mtns. (Samaniego Hills) RLE-20-68
568 22.06 -- KA/biot/andesite - Silver Bell Mtns. (Samaniego Hills) UAKA-73-141

Sauceda volcanics

474 19.50 -- KA/biot/rhyolite - Sauceda Mtns. (Hat Mtn.) 81AG239
526 20.70 — KA/biot/rhyolite dike - Sauceda Mtns. (Hat Mtn.) 81AG206
551 21.70 -- KA/biot/ash-flow tuff - Sauceda Mtns. (Hat Mtn.) 81AM183

Schieffelin Granodiorite

1301 76.00 -- KA/biot/granodiorite - Tombstone Hills (Tombstone) M73:97

Schieffelin Granodiorite (?)

1308 76.30 — KA/biot/granodiorite - Tombstone Hills (Lewis Springs) 74D91

Schultze Granite

1030 55.70 -- KA/biot/granite - Globe-Miami area (Inspiration) C80:13
1055 57.90 — KA/biot/granite - Globe-Miami area (Inspiration) C80:10
1068 58.90 -- KA/biot/granite - Globe-Miami area (Inspiration) L-846
1070 59.10 — KA/biot/granite - Globe-Miami area (Inspiration) PED-05-59
1071 59.30 -- KA/biot/granite - Globe-Miami area (Pinal Ranch) C80:07
1074 59.50 — KA/biot/granite - Globe-Miami area (Inspiration) C62:09
1082 59.90 -- KA/biot/granite - Globe-Miami area (Pinal Ranch) C80:05
1083 59.90 — KA/biot/granite - Globe-Miami area (Inspiration) C80:12
1085 60.00 — KA/biot/granite - Globe-Miami area (Inspiration) C80:15
1090 60.40 -- KA/biot/granite - Globe-Miami area (Pinal Ranch) C80:01
1092 60.50 -- KA/biot/granite - Globe-Miami area (Inspiration) C80:03
1099 61.00 — KA/biot/granite - Globe-Miami area (Pinal Ranch) C80:06
1100 61.00 -- KA/biot/granite - Globe-Miami area (Inspiration) C80:14
1103 61.30 — KA/biot/granite - Globe-Miami area (Inspiration) C80:11
1109 61.70 -- KA/biot/granite - Globe-Miami area (Inspiration) C80:04
1113 62.00 -- KA/biot/granite - Globe-Miami area (Globe) C80:08
1121 62.50 -- KA/biot/granite - Globe-Miami area (Pinal Ranch) C80:02
1149 64.40 — KA/biot/granite - Globe-Miami area (Inspiration) C80:09
1292 74.60 -- KA/orth/granite - Globe-Miami area (Inspiration) PED-05-59
1392 ** 304.00 -- KA/plag/granite - Globe-Miami area (Inspiration) PED-05-59

Schultze Granite (?)

1031 55.80 — KA/biot/granite - Globe-Miami area (Globe) UAKA-69-10

Section 29 granite

1191 67.00 -- KA/biot/granite - Picacho Mtns. (Cactus Forest)

Segmiller Mtn. basalt

70 2.35 -- KA/w.r./basalt - Shivwits Plateau (Wolf Hole Mtn. West) PED-32-66
74 2.44 -- KA/w.r./basalt - Shivwits Plateau (Wolf Hole Mtn. West) PED-33-66

Sentinel basalt

89 3.10 -- KA/w.r./basalt - Sentinel volcanic field (Agua Caliente) ES:106
98 3.44 -- KA/w.r./basalt - Sentinel volcanic field (Sentinel (?)) R-2642

Shadow Mtn. basalt

18 0.64 -- KA/w.r./basalt - Cameron area (Cameron NW) UAKA-73-23

Sheridan Mtns. phyllite

926 ** 35.90 -- KA/w.r./phyllite - Sheridan Mtns. (Gu Achi) PR 92
945 ** 39.20 -- KA/w.r./phyllite - Sheridan Mtns. (Gu Achi) PR-93

Shivwits basalt

124 4.75 -- KA/w.r./basalt - Shivwits Plateau (Poverty Spring) PED-39-66
160 6.20 -- KA/w.r./basalt - Shivwits Plateau (Grand Gulch Bench)
180 7.64 -- KA/w.r./basalt - Shivwits Plateau (Whitmore Point SW)

Shorts Ranch Andesite

1060 58.10 -- KA/biot/andesite - Tucson Mtns. (Cat Mtn.) PED-15-62

Show Low Creek basalt

53 1.78 -- KA/w.r./basalt - Springerville volcanic field (Indian Pine) UAKA-80-133
60 2.00 -- KA/w.r./basalt - Springerville volcanic field (Show Low North) UAKA-82-185

Sierra Estrella pegmatite

1515 1394.00 -- KA/musc/pegmatite - Sierra Estrella (Enid) PED-13-65

Sierra Estrella schist

1479 ** 1282.00 -- SR/w.r./schist - Sierra Estrella (Montezuma Peak) PDP-1-67

Sierrita Granite

1035 ** 56.40 -- KA/biot/granite - Sierrita Mtns. (Twin Buttes) M73:11
1349 ** 137.10 -- SR/w.r./granite - Sierrita Mtns. (Twin Buttes) RM-2-65
1358 149.00 -- KA/biot/granite - Sierrita Mtns. (Palo Alto Ranch) 72D69

Sierrita Granite aplite

1199 67.50 -- SR/w.r./aplite dike - Sierrita Mtns. (Twin Buttes) RM-1-65

Sierrita dike

686 25.00 -- KA/biot/andesite dike - Sierrita Mtns. (Twin Buttes) M73:01

Sil Murk Fm.

803 27.70 -- KA/w.r./rhyolite tuff - Gila Bend Mtns. (Citrus Valley East) ES:99
856 29.40 -- KA/biot/tuff - Gila Bend Mtns. (Spring Mtn.) UAKA-73-25

Silver Bell dacite

1039 ** 56.70 -- KA/biot/dacitic ash-flow tuff - Silver Bell Mtns. (Silver Bell Peak) RM-03-63
1067 ** 58.80 -- KA/biot/dacitic ash-flow tuff - Silver Bell Mtns. (Vaca Hills) PED-23-59

Silver Bell porphyry

583 ** 22.50 -- FT/apat/quartz monzonite - Silver Bell Mtns. (Vaca Hills) VHNE-168N
1003 ** 52.50 -- FT/zirc/quartz monzonite - Silver Bell Mtns. (Vaca Hills) VHNE-168N
1108 61.70 -- FT/sphe/quartz monzonite - Silver Bell Mtns. (Vaca Hills) VHNE-168N

Silver Camp quartz diorite

1147 64.30 -- KA/biot/quartz diorite - Dos Cabezas Mtns. (Dos Cabezas) RCE-689-65

Silver King quartz diorite

567 22.06 -- KA/horn/quartz diorite - Superior area (Superior) KA-71-41

Silver Lily dike

1239 70.50 -- KA/biot/quartz latite dike - Tucson Mtns. (Avra) UAKA-75-49

Silver Spur Ranch andesite

884 31.30 -- FT/zirc/andesitic lavas - Chiricahua Mtns. (Cochise Head)
892 32.00 -- FT/apat/andesitic lavas - Chiricahua Mtns. (Cochise Head)

Sitgreaves Peak rhyolite

75 2.49 -- KA/biot/rhyolite - San Francisco volcanic field (Parks) BES-58-315

Skull Mesa basalt

337 14.81 -- KA/w.r./basalt - New River area (New River Mesa) UAKA-77-106

Slate Mtn. rhyolite

43 1.54 -- KA/w.r./rhyolite - San Francisco volcanic field (Kendrick Peak) UAKA-73-115

Sleeping Buffalo Rhyolite

378 16.30 -- KA/w.r./rhyolite - Ray area (Teapot Mtn.) C83:2
415 17.50 -- KA/w.r./rhyolite - Ray area (Teapot Mtn.) C83:3

Slide Rock basalt

168 6.55 -- KA/w.r./basalt - Oak Creek Canyon (Munds Park) UAKA-77-75

Slide Rock gravels

233 10.30 -- KA/w.r./basalt cobble - Oak Creek Canyon (Wilson Mtn.) MM:2C
281 12.50 -- KA/w.r./basalt cobble - Oak Creek Canyon (Wilson Mtn.) MM:2E
286 12.87 -- KA/w.r./basalt cobble - Oak Creek Canyon (Wilson Mtn.) MM:2D
628 23.70 -- KA/w.r./latite cobble - Oak Creek Canyon (Wilson Mtn.) MM:2B

Snap Point basalt

210 9.00 -- KA/w.r./basalt - Shivwits Plateau (Snap Canyon East) SP-80-1

Soap Canyon granite

1195 67.20 -- KA/musc/granite - Hualapai Mtns. (Dean Peak) M-3429

Soapweed rhyolite

606 23.20 -- KA/biot/rhyolite - Whitlock Mtns. (Whitlock Mtns. NE) R81:C

Solitude Granite

1107 ** 61.60 -- KA/biot/granite - Globe-Miami area (Pinal Ranch) C80:61
1244 ** 71.20 -- KA/musc/granite - Globe-Miami area (Pinal Ranch) C80:60
1405 ** 612.00 -- KA/musc/granite - Pinal Mtns. (Pinal Peak) C80:59

Sommer gneiss

1457 ** 1110.00 -- KA/biot/gneiss - Dos Cabezas Mtns. (Willcox) RCE-331-64

Sore Fingers granite

1351 ** 140.00 -- KA/biot/granite - Little Harquahala Mtns. (Lone Mtn.) UAKA-73-20

South Fork basalt

156 6.03 -- KA/w.r./basalt - Springerville volcanic field (Greer) AWL-08-77

South Mtns. Granodiorite

497 ** 20.20 -- KA/biot/granodiorite - South Mtns. (Lone Butte) UAKA-78-81
518 ** 20.50 -- KA/biot/granodiorite - South Mtns. (Lone Butte) UAKA-78-80
563 22.00 -- PB/zirc/granodiorite - South Mtns. (Lone Butte)
663 24.50 -- SR/w.r./granodiorite - South Mtns. (Lone Butte) SMG-1 TO 7

South Mtns. diorite dike

828 ** 28.40 -- KA/horn/microdiorite dike - South Mtns. (Lone Butte) UAKA-79-133

Southwest Salt basalt

237 10.52 -- KA/w.r./basalt - Luke Basin (El Mirage) UAKA-73-139

Sperry Gyroscope volcanics

588 22.60 -- KA/w.r./basalt - Union Hills area (Union Hills) ES:61
965 ** 45.10 -- KA/w.r./basaltic andesite - Union Hills area (Union Hills) ES:61

Split Rock rhyodacite

844 28.70 -- KA/biot/rhyodacite - Chiricahua Mtns. (Cochise Head) DH82:1

Spring Valley granodiorite

1344 ** 129.00 -- KA/para/granodiorite - Hieroglyphic Mtns. (Governors Peak) UAKA-77-69

Spring Valley rhyolite

453 18.70 -- KA/w.r./rhyolite - Hieroglyphic Mtns. (Governors Peak) 3-3-3

Springerville basalt

21 0.75 -- KA/w.r./basalt - Springerville volcanic field (Springerville NW) AWL-06-77
24 0.82 -- KA/w.r./basalt - Springerville volcanic field (Coyote Hills) AWL-41-74
25 0.84 -- KA/w.r./basalt - Springerville volcanic field (Whiting Knoll) AWL-04-77
48 1.67 -- KA/w.r./basalt - Springerville volcanic field (Springerville) AWL-05-77
85 2.94 -- KA/w.r./olivine basalt - Springerville volcanic field (Coyote Hills) AWL-40-74
87 3.06 -- KA/w.r./alkali basalt - Springerville volcanic field (Eager) AWL-42-74
106 3.67 -- KA/w.r./basalt - Springerville volcanic field (Coyote Hills) AWL-07-77
109 3.87 -- KA/w.r./basalt - Springerville volcanic field (Nelson Reservoir) AWL-03-77

Squaw Gulch Granite

1356 148.00 -- KA/biot/granite - Santa Rita Mtns. (Mt. Wrightson) M73:38

Squaw Peak basalt

209 9.00 -- KA/w.r./olivine basalt - Juniper Mtns. (Cross Mtn. NE) BA78-52A

Squaw Peak granodiorite

1589 1643.00 -- KA/biot/granodiorite - Black Hills (Horner Mtn.) SP-1

St. David Fm.

77 2.59 -- KA/glas/air-fall tuff - San Pedro Valley (McGrew Spring) UAKA-72-77
78 2.60 -- KA/glas/air-fall tuff - San Pedro Valley (McGrew Spring) RBS-35A-68
86 3.05 -- KA/glas/air-fall tuff - San Pedro Valley (McGrew Spring) RBS-32-68
88 3.10 -- FT/zirc/ash - San Pedro Valley (McGrew Spring) M78:123
140 5.54 -- KA/glas/air-fall tuff - San Pedro Valley (McGrew Spring) UAKA-71-32
266 ** 11.79 -- KA/glas/air-fall tuff - San Pedro Valley (McGrew Spring) RBS-15-73

Stockton Pass granite

1442 ** 1042.00 -- SR/w.r./pegmatite - Pinaleno Mtns. (Stockton Pass) 73-49 to -51
1489 1333.00 -- SR/w.r./gneissic granite - Pinaleno Mtns. (Stockton Pass) JD-2 TO 7
1500 1355.00 -- SR/w.r./quartz monzonite - Pinaleno Mtns. (Stockton Pass) SEVERAL
1509 1375.00 -- SR/w.r./granite - Pinaleno Mtns. (Stockton Pass) SEVERAL

Strawberry Crater basalt

2 0.05 -- KA/w.r./basaltic andesite - San Francisco volc. field (Strawberry Crater) UAKA-73-121

Stronghold Granite

577 ** 22.33 -- KA/biot/granite - Dragoon Mtns. (Pearce) CMB-01-62
653 24.10 -- KA/biot/granite - Dragoon Mtns. (Pearce) M73:89
777 27.00 -- KA/biot/granite - Dragoon Mtns. (Knob Hill) M73:90

Sugarloaf Mesa basalt

332 14.67 -- KA/w.r./basalt - New River area (New River Mesa) UAKA-78-36

Sugarloaf Quartz Latite

1290 74.50 -- KA/biot/welded tuff - Dragoon Mtns. (Outlaw Mtn.) M73:93

Sullivan Buttes Latite

541 21.28 -- KA/w.r./trachyandesite - Chino Valley (King Canyon) UAKA-76-90
643 24.00 -- KA/biot/latite - Chino Valley (King Canyon) A-45
790 27.30 -- KA/horn/latite - Chino Valley (Chino Valley North) A-44

Sunflower granite

1588 1640.00 -- PB/zirc/granite - Mazatzal Mtns. (Boulder Mtn.)

Sunset Crater basalt

6 ** 0.21 -- KA/w.r./basalt - San Francisco volcanic field (Sunset Crater West) D69:2
8 ** 0.23 -- KA/w.r./basalt - San Francisco volcanic field (Sunset Crater West) D69:1

Sunset Pass two-mica granite

988 50.30 -- SR/musc/granite - Harquahala Mtns. (Gladden) 17-1 TO 17-3
1007 53.00 -- SR/w.r./granite - Harquahala Mtns. (Gladden) 17-2, 17-3

Superstition Tuff

349 15.40 -- FT/zirc/ash-flow tuff - Superstition Mtns. (Mormon Flat Dam) AP234
363 15.90 -- FT/sphe/ash-flow tuff - Superstition Mtns. (Mormon Flat Dam) AP234
648 24.10 -- FT/sphe/tuff - Superstition Mtns. (Goldfield) AP232
683 25.00 -- FT/zirc/tuff - Superstition Mtns. (Goldfield) AP232
700 25.30 -- FT/zirc/tuff - Superstition Mtns. (Goldfield) AP236
717 25.60 -- FT/apat/tuff - Superstition Mtns. (Goldfield) AP232
747 26.20 -- FT/sphe/tuff - Superstition Mtns. (Goldfield) AP236

Superstition granite

996 ** 51.70 -- FT/apat/granite - Superstition Mtns. (Pinyon Mtn.) AP202
1505 1366.00 -- SR/w.r./granite - Superstition Mtns. (Pinyon Mtn.) AP202-8145
1537 1433.00 -- FT/sphe/granite - Superstition Mtns. (Pinyon Mtn.) AP202

Superstition quartz diorite

1556 ** 1507.00 -- SR/w.r./quartz diorite - Superstition Mtns. (Weavers Needle) SEVERAL

Superstition volcanics

354 15.43 -- KA/plag/rhyolite tuff - Superstition Mtns. (Mormon Flat Dam) UAKA-80-128
357 15.53 -- KA/w.r./basaltic andesite - Goldfield Mtns. (Stewart Mtn.) UAKA-77-146
413 17.46 -- KA/w.r./rhyolite - Superstition Mtns. (Horse Mesa Dam) UAKA-80-127
431 18.15 -- KA/w.r./basalt - Goldfield Mtns. (Stewart Mtn.) UAKA-77-144
434 18.26 -- KA/w.r./basalt - Superstition Mtns. (Mormon Flat Dam) PED-14-68
437 18.31 -- KA/w.r./basalt - Goldfield Mtns. (Stewart Mtn.) UAKA-77-145
468 19.24 -- KA/sani/rhyolite - Superstition Mtns. (Mormon Flat Dam) UAKA-80-126
521 20.60 -- KA/biot/dacite - Superstition Mtns. (Mormon Flat Dam) UAKA-68-16
546 21.40 -- KA/w.r./andesite - Superstition Mtns. (Horse Mesa Dam) UAKA-81-31
556 21.85 -- KA/biot/quartz latite - Superstition Mtns. (Apache Junction) PED-17-68
589 22.60 -- KA/w.r./basalt - Superstition Mtns. (Mormon Flat Dam) UAKA-81-30
605 23.13 -- KA/biot/welded tuff - Superstition Mtns. (Goldfield) PED-18-68
865 29.90 -- FT/zirc/dacite - Superstition Mtns. (Goldfield) AP244

Swisshelm Mtns. basalt

249 11.05 -- KA/w.r./basalt - Sulphur Springs Valley (Swisshelm Mtns.) UAKA-78-35

Swisshelm granodiorite

880 30.91 -- KA/biot/quartz monzonite - Swisshelm Mtns. (Swisshelm Mtns.) UAKA-73-15
914 34.00 -- KA/biot/granodiorite - Swisshelm Mtns. (Swisshelm Mtns.) 74D151

Sycamore Canyon basalt

185 8.00 -- KA/w.r./basalt - Sycamore Canyon (Sycamore Basin) CD6
256 11.40 -- KA/w.r./basalt - Sycamore Canyon (Sycamore Basin (?)) MM:3A
334 14.70 -- KA/w.r./basalt - Sycamore Canyon (Sycamore Basin) MM:3B

Table Top basalt

544 21.37 -- KA/w.r./basalt - Table Top Mtns. (Vekol Mtns. NE) UAKA-75-04

Tablelands basalt

194 8.46 -- KA/w.r./basalt - Galiuro Mtns. (Jerusalem Mtn.) UAKA-75-57

Tank Pass granite

961 ** 44.10 -- KA/biot/granite - Harcuvar Mtns. (Salome) HVR-2
972 ** 47.50 -- KA/biot/granite - Harcuvar Mtns. (Salome) UAKA-73-126
993 ** 51.00 -- KA/biot/granite - Harcuvar Mtns. (Salome) UAKA-77-65
1025 ** 55.00 -- KA/biot/granite - Granite Wash Mtns. (Utting) UAKA-77-63

Tappan Springs basalt

14 0.52 -- KA/w.r./basalt - San Francisco volcanic field (Cameron NW) UAKA-72-62

Tea Cup Granodiorite

1122 62.50 -- KA/biot/granodiorite - Globe-Miami area (Grayback) C84:2
1209 68.60 -- KA/biot/granodiorite - Globe-Miami area (Grayback) C84:1

Teapot Mtn. Porphyry

1154 64.60 -- KA/orth/quartz monzonite - Ray area (Teapot Mtn.) B72:17

Teapot Mtn. older tuff

405 17.30 -- KA/biot/tuff - Ray area (Teapot Mtn.) C83:4

Telegraph Pass Granite

467 ** 19.20 -- KA/biot/granite - South Mtns. (Lone Butte) UAKA-73-110
797 27.60 -- SR/w.r./granite - South Mtns. (Lone Butte) TGP-1 TO 4

Tempe Butte basaltic andesite

417 17.56 -- KA/w.r./basaltic andesite - Phoenix Mtns. area (Tempe) UAKA-78-34

Texas Canyon Quartz Monzonite

881 ** 31.00 -- KA/orth/quartz monzonite - Little Dragoon Mtns. (Galleta Flat East) PED-11-60
982 ** 49.50 -- KA/biot/quartz monzonite - Little Dragoon Mtns. (Dragoon) PED-11-60
984 ** 49.60 -- KA/musc/quartz monzonite - Little Dragoon Mtns. (Dragoon) PED-11-60
992 ** 50.90 -- KA/biot/quartz monzonite - Little Dragoon Mtns. (Dragoon) PED-06-64
994 ** 51.10 -- KA/biot/quartz monzonite - Little Dragoon Mtns. (Dragoon) M73:88
997 ** 51.70 -- KA/biot/quartz monzonite - Little Dragoon Mtns. (Dragoon) PED-06-64
1011 53.30 -- KA/biot/quartz monzonite - Little Dragoon Mtns. (Dragoon) M73:88
1014 53.60 -- KA/musc/quartz monzonite - Little Dragoon Mtns. (Dragoon) PED-06-64
1019 54.60 -- SR/min./granite - Little Dragoon Mtns. (Dragoon) TC5,11,12,13
1028 55.40 -- KA/musc/quartz monzonite - Little Dragoon Mtns. (Happy Valley) PED-11-60
1238 ** 70.40 -- KA/plag/quartz monzonite - Little Dragoon Mtns. (Dragoon) PED-11-60

Thirteenmile Rock Volcanics

176 7.40 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B02
182 7.70 -- KA/w.r./andesite - Hackberry Mtn. area (Horner Mtn.) A4A
184 7.90 -- KA/biot/dacite tuff - Hackberry Mtn. area (Horner Mtn.) T-1
191 8.30 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B01
192 8.30 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B05
193 8.30 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B03
195 8.50 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B-1
214 9.20 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B07
216 9.30 -- KA/k-sp/dacite tuff - Hackberry Mtn. area (Horner Mtn.) T06
226 10.00 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B08
227 10.00 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B09
232 10.20 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B11
236 10.40 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B10
242 10.70 -- KA/biot/dacite tuff - Hackberry Mtn. area (Horner Mtn.) T13
252 11.30 -- KA/biot/dacite tuff - Hackberry Mtn. area (Horner Mtn.) T14
253 11.30 -- KA/w.r./basalt - Hackberry Mtn. area (Horner Mtn.) B12

Thirteenmile Rock Volcanics(?)

91 3.10 -- KA/biot/tuff - Hackberry Mtn. area (Horner Mtn. (?)) T07

Three Peaks monzonite

1171 65.50 -- KA/biot/monzonite porphyry - Sacaton Mtns. (Casa Grande West) PED-12-70
1279 73.40 -- KA/biot/monzonite - Sacaton Mtns. (Casa Grande West) KA-71-69

Three Points basaltic andesite

335 14.74 -- KA/w.r./basaltic andesite - Roskruge Mtns. (Three Points) MB-13-64

Timber Mesa basalt

42 1.53 -- KA/w.r./basalt - Springerville volcanic field (Lakeside) UAKA-80-131

Times Porphyry

426 18.00 -- PB/zirc/granite - Black Mtns. (Oatman) 4-16-84-6
600 23.10 -- KA/horn/granophyre porphyry - Black Mtns. (Oatman) 79

Tollgate Wash rhyolite

406 17.30 — KA/sani/rhyolite - Peloncillo Mtns. (Guthrie) R83:J

Tombstone Hills rhyolite

1178 66.00 -- KA/biot/rhyolite intrusion - Tombstone Hills (Tombstone) M73:95
1184 66.60 — KA/biot/rhyolite porphyry - Tombstone Hills (Tombstone) 74D143

Tombstone rhyolite porphyry

1163 65.10 — KA/sani/rhyolite porphyry - Tombstone Hills (Tombstone) 74D143

Tombstone vein

1293 75.00 — KA/seri/vein - Tombstone Hills (Tombstone) G2-2

Tortilla Mtns. andesite dike

1314 80.80 — KA/w.r./andesite dike - Tortilla Mtns. (Winkelman) UAKA-75-88

Tortilla Mtns. dacite porphyry

1245 71.30 — KA/horn/dacite porphyry - Tortilla Mtns. (Crozier Peak)

Tortilla Mtns. dike

576 22.30 — KA/biot/rhyolite dike - Tortilla Mtns. (Putnam Wash)
597 22.80 — KA/biot/rhyolite dike - Tortilla Mtns. (Putnam Wash) W-10

Tortilla Quartz Diorite

1234 70.30 -- KA/biot/diorite - Ray area (Sonora) UAKA-70-06
1250 71.50 — FT/apat/tonalite - Ray area (Hot Tamale Peak) BAS:2
1259 72.00 -- FT/zirc/quartz diorite - Ray area (Hot Tamale Peak) BAS:3
1260 72.00 — FT/zirc/tonalite - Ray area (Hot Tamale Peak) BAS:2
1265 72.40 -- KA/biot/quartz diorite - Ray area (Sonora) B72:03
1277 73.10 — KA/biot/tonalite - Ray area (Sonora) B72:05
1278 73.30 -- KA/biot/tonalite - Ray area (Sonora) B72:02B
1291 74.60 — FT/apat/quartz diorite - Ray area (Hot Tamale Peak) BAS:3
1316 ** 82.00 -- KA/biot/tonalite - Ray area (Teapot Mtn.) B72:04
1320 ** 85.20 — KA/horn/tonalite - Ray area (Sonora) B72:02H
1328 ** 96.00 -- KA/horn/quartz diorite - Ray area (Sonora) B72:08B
1337 ** 113.00 -- KA/horn/quartz diorite - Ray area (Sonora) B72:08A
1390 ** 291.00 -- KA/horn/quartz diorite - Ray area (Teapot Mtn.) B72:07

Tortolita Mtns. dike

645 24.00 — KA/biot/quartz monzonite dike - Tortolita Mtns. (Tortolita Mtns.) UAKA-75-87

Tortolita Quartz Monzonite

396 ** 17.00 — FT/apat/quartz monzonite - Tortolita Mtns. (Oro Valley) ML-105
443 ** 18.50 -- FT/apat/quartz monzonite - Tortolita Mtns. (Ruelas Canyon) RC-25
593 22.70 — KA/biot/quartz monzonite - Tortolita Mtns. (Ruelas Canyon) RC-25
664 24.50 -- KA/biot/quartz diorite - Santa Catalina Mtns. (Mt. Lemmon) PED-17-59

Trigo Mtns. granite

1044 56.90 -- KA/biot/granite - Trigo Mtns. (Picacho) 2192
1272 72.90 — KA/biot/granite - Trigo Mtns. (Picacho) 2194

Trigo Mtns. granite porphyry

1312 ** 78.60 — KA/biot/granite porphyry - Trigo Mtns. (Mule Wash) 2168
1319 ** 84.00 -- KA/biot/granite porphyry - Trigo Mtns. (Mule Wash) 2175
1326 ** 90.30 — KA/biot/granite porphyry - Trigo Mtns. (Mule Wash) 2118R
1332 ** 100.60 -- KA/biot/granite porphyry - Trigo Mtns. (Picacho) 2191

Trigo Mtns. granodiorite

1166 65.20 -- KA/biot/granodiorite - Trigo Mtns. (Picacho) 2165
1253 71.50 — KA/biot/granodiorite - Trigo Mtns. (Picacho) 2193

Trigo Mtns. metamorphics

1022 54.80 — KA/biot/schist - Trigo Mtns. (Picacho NW) 2166
1207 68.50 — KA/biot/gneiss - Trigo Mtns. (Picacho) 2174
1322 ** 86.80 — KA/horn/gneiss - Trigo Mtns. (Picacho) 2187
1334 ** 109.30 — KA/biot/gneiss - Trigo Mtns. (Picacho) 2167
1338 ** 114.70 — KA/horn/metagranite - Trigo Mtns. (Hidden Valley) 2195
1359 ** 152.20 — KA/horn/amphibolite - Trigo Mtns. (Cibola SE) 2188

Trigo Mtns. tonalite

1333 ** 107.50 — KA/biot/tonalite - Trigo Mtns. (Cibola) 2170R

Trigo Mtns. volcanics

59 ** 2.00 — KA/w.r./andesite - Trigo Mtns. (Picacho SW) 2182
481 19.60 — KA/plag/rhyolitic tuff - Trigo Mtns. (Mule Wash) 2186
501 20.30 — KA/plag/andesite - Trigo Mtns. (Hidden Valley) 2119
604 23.10 — KA/w.r./andesite - Trigo Mtns. (Picacho NW) 2175
679 24.90 — KA/phlo/tuff - Trigo Mtns. (Picacho) 2180
695 25.10 — KA/plag/andesite - Trigo Mtns. (Hidden Valley) 2177
728 25.70 — KA/w.r./rhyolitic tuff - Trigo Mtns. (Cibola) ES:120
779 27.00 — KA/plag/rhyolite - Trigo Mtns. (Picacho SW) 2181
800 27.60 — KA/plag/andesite - Trigo Mtns. (Picacho NW) 2178
854 ** 29.10 — KA/plag/basalt - Trigo Mtns. (Picacho) 2139
855 29.10 — KA/plag/dacite - Trigo Mtns. (Picacho) 2169
942 39.10 — KA/biot/latite porphyry - Trigo Mtns. (Mule Wash) 2189

Trout Creek volcanics

674 24.72 — KA/w.r./basalt - Aquarius Mtns. (Meath Spring)
680 24.90 — KA/ / - Music Mtns. (Meath Spring) Y79:2

Tule Mesa basalt

211 9.18 — KA/w.r./basalt - Black Hills (Verde Hot Springs) UAKA-73-162

Tule Wash basalt

276 12.19 — KA/w.r./basalt - Big Sandy Valley (Tule Wash) UAKA-78-45

Tumamoc Hill basaltic andesite

498 ** 20.30 — KA/w.r./basaltic andesite - Tucson Mtns. (Cat Mtn.) PED-08-63
627 23.67 — KA/w.r./basaltic andesite - Tucson Mtns. (Cat Mtn.) UAKA-76-31

Tungsten King Granite

1531 1420.00 — PB/zirc/granite - Little Dragoon Mtns. (Dragoon)

Turkey Canyon volcanics

662 ** 24.40 — KA/w.r./andesite - East Juniper Mtns. (Turkey Canyon NE) BA78-72
894 ** 32.00 — KA/biot/andesite - East Juniper Mtns. (Turkey Canyon NE) BA78-72
930 ** 36.10 — KA/biot/andesite - East Juniper Mtns. (Turkey Canyon NE) BA78-72

Turkey Creek rhyolite dike

711 25.40 — KA/biot/rhyolite dike - Chiricahua Mtns. (Fife Peak) DM-03-68

Turkey Mtn. flow

12 0.48 — KA/w.r./basalt - Springerville volcanic field (Sponseller Mtn.) UAKA-82-184

Turkey Track porphyry

773 26.92 — KA/plag/andesite porphyry - Rincon Mtns. (Soza Canyon) PED-03-69
774 26.94 — KA/plag/andesite porphyry - Del Bac Hills (San Xavier Mission) JKP-09-67
796 27.60 — KA/w.r./andesite porphyry - Del Bac Hills (San Xavier Mission) JKP-09-67
810 27.98 — KA/plag/andesite porphyry - Del Bac Hills (San Xavier Mission) JKP-09-67
839 28.60 — KA/plag/andesite porphyry - Tucson Mtns. (Tucson) PED-16-63
928 36.00 — KA/plag/andesite dike - Dos Cabezas Mtns. (Railroad Pass) RCE-329-65
971 ** 47.50 — KA/plag/andesite porphyry dike - Del Bac Hills (San Xavier Mission) JKP-01-67

Turkey Track porphyry (?)

508 20.40 — KA/w.r./porphyritic andesite - Peloncillo Mtns. (Guthrie) R83:H

Turtleback Mtn. volcanic

536 ** 21.03 -- KA/w.r./K-rich volcanic - Palomas Plain (Turtleback Mtn.) UAKA-72-48

Twin Buttes granodiorite

1086 60.10 -- KA/biot/granodiorite - Sierrita Mtns. (Twin Buttes) PED-08-62

Twin Buttes quartz monzonite

1020 54.70 -- KA/biot/quartz monzonite - Sierrita Mtns. (Twin Buttes) RM-03-64

Twin Peaks porphyry

1065 58.60 -- KA/w.r./rhyolite porphyry - Tucson Mtns. (Avra) UAKA-73-86

Twin Peaks quartz monzonite

1428 ** 895.00 -- KA/musc/quartz monzonite - Tucson Mtns. (Avra) UAKA-74-20

Twin Springs basalt

64 2.08 -- KA/w.r./basalt - Williams area (Bill Williams Mtn.)

Uncle Sam Porphyry

1281 73.50 -- KA/biot/rhyodacite tuff - Tombstone Hills (Fairbank) M73:96

Vaca Hills volcanics

490 20.00 -- KA/w.r./trachyandesite - Silver Bell Mtns. (Vaca Hills) VHSW-3N
594 22.70 -- KA/plag/trachyandesite - Silver Bell Mtns. (Vaca Hills) VHSW-3N
737 25.90 -- KA/plag/quartz latite - Silver Bell Mtns. (Greene Reservoir) E-2N

Valentine granite

1475 ** 1272.00 -- SR/biot/granite - Cottonwood Cliffs area (?) (Hackberry) GD61:3

Vent 0727 basalt

35 1.05 -- KA/w.r./basalt - Springerville volcanic field (Springerville NW) UAKA-82-193

Vent 0833 basalt

11 0.30 -- KA/w.r./basalt - Springerville volcanic field (Springerville NW) UAKA-82-195

Vent 171 basalt

20 0.70 -- KA/w.r./basalt - San Francisco volcanic field (Roden Crater) UAKA-73-123

Vent 9305 basalt

51 1.74 -- KA/w.r./basalt - Springerville volcanic field (Lakeside) UAKA-80-132

Vent 9335 basalt

47 1.65 -- KA/w.r./basalt - Springerville volcanic field (Lakeside) UAKA-82-183

Vent 9506 benmoreite

45 1.56 -- KA/w.r./benmoreite - Springerville volcanic field (Boundary Butte) UAKA-82-190

Vent 9626 basalt

19 0.67 -- KA/w.r./quartz-olivine basalt - Springerville volcanic field (Whiting Knoll) UAKA-82-197

Vent 9711 basalt

34 1.04 -- KA/w.r./basalt - Springerville volcanic field (Springerville NW) UAKA-82-196

Verde Fm.

119 4.60 -- KA/w.r./basalt - Verde Valley (Clarkdale) CD2
142 5.68 -- KA/w.r./basalt - Verde Valley (Cornville) VV1
143 5.69 -- KA/glas/air-fall tuff - Verde Valley (Camp Verde) UAKA-71-39
163 6.24 -- KA/glas/air-fall tuff - Verde Valley (Camp Verde) UAKA-71-22
183 7.80 -- KA/glas/air-fall tuff - Verde Valley (Horner Mtn.) UAKA-71-19

Verde Hot Springs andesite

228 10.01 -- KA/w.r./andesite - Verde Valley (Verde Hot Springs) UAKA-73-83

Vernon basalt

39 1.30 -- KA/w.r./olivine basalt - Springerville volcanic field (Vernon) UAKA-82-191

Virgin River basalt

84 2.87 -- KA/w.r./basalt - Virgin River area (Littlefield) PED-31-66

Vishnu Schist

1473 ** 1255.00 -- KA/biot/schist - Grand Canyon (Bright Angel) PED-11-57
1502 ** 1361.00 -- SR/biot/schist - Grand Canyon (Bright Angel) PED-11-57
1523 1415.00 -- KA/musc/pegmatite - Grand Canyon (Bright Angel) PED-07-57
1557 ** 1508.00 -- SR/musc/pegmatite - Grand Canyon (Bright Angel) PED-7-57
1593 1675.00 -- PB/mona/quartzofeldspathic gneiss - Grand Canyon (Bright Angel)

Volunteer Canyon basalt

117 4.43 -- KA/w.r./basalt - Sycamore Canyon (Sycamore Point) UAKA-71-01
126 4.86 -- KA/w.r./basalt - Sycamore Canyon (Sycamore Point) UAKA-71-03
207 8.95 -- KA/w.r./basalt - Sycamore Canyon (Sycamore Point) UAKA-71-04

Vulcans Throne basalt

1 0.01 -- KA/w.r./basalt - Grand Canyon (Vulcans Throne) PED-46-66

Vulture Mtn. granite

1173 ** 65.60 -- KA/biot/granite - Vulture Mtns. (Vulture Mtns.) UAKA-75-55

Vulture dike

366 ** 16.10 -- KA/w.r./K-rich dike - Vulture Mtns. (Vulture Mtns.) UAKA-71-35B
374 ** 16.20 -- KA/w.r./K-rich dike - Vulture Mtns. (Vulture Mtns.) UAKA-71-35A
432 ** 18.20 -- KA/biot/K-rich dike - Vulture Mtns. (Vulture Mtns.) UAKA-72-44

Vulture mesa-capping basalt

304 13.50 -- KA/w.r./olivine basalt - Vulture Mtns. (Vulture Mtns.) UAKA-72-43

Vulture volcanics

328 14.51 -- KA/w.r./basaltic andesite - Vulture Mtns. (Wickenburg SW) UAKA-73-11
367 ** 16.10 -- KA/w.r./K-rich volcanic - Vulture Mtns. (Vulture Mtns.) UAKA-76-16
377 ** 16.30 -- KA/w.r./K-rich volcanic - Vulture Mtns. (Vulture Mtns.) UAKA-72-13
393 16.70 -- KA/w.r./basaltic andesite - Vulture Mtns. (Vulture Mtns.) UAKA-72-60
398 ** 17.10 -- KA/w.r./K-rich cataclasite - Vulture Mtns. (Vulture Mtns.) UAKA-75-53
493 20.02 -- KA/w.r./basalt - Vulture Mtns. (Aguila) UAKA-78-48
743 26.00 -- KA/biot/rhyolite tuff - Vulture Mtns. (Vulture Mtns.) UAKA-75-54

Walker granodiorite

1146 64.00 -- KA/biot/granodiorite - Bradshaw Mtns. (Mt. Union) A68:7A

Walnut Springs dike

1202 67.60 -- KA/horn/rhyolite - Gila Mtns. (Safford) H85:E

Warford Ranch basalt

93 3.19 -- KA/w.r./basalt - Sentinel volcanic field (Citrus Valley West) UAKA-77-04

Weaver Mtns. granite

1433 ** 920.00 -- SR/micr/granite - Weaver Mtns. (Congress) A-46

West Clear Creek basalt

238 10.57 -- KA/w.r./basalt - West Clear Creek (Walker Mtn.) UAKA-77-164

West Clear Creek dike

221 9.66 -- KA/w.r./basalt dike - West Clear Creek (Walker Mtn.) UAKA-77-162

West Ranch rhyolite

665 24.50 -- KA/biot/rhyolite - Gila Mtns. (Safford) H85:D
724 25.60 -- KA/plag/rhyolite - Gila Mtns. (Safford) H85:D

Wet Beaver Creek basalt

329 14.60 -- KA/w.r./basalt - Wet Beaver Creek (Casner Butte) UAKA-77-168

Whetstone granodiorite

1302 76.00 -- KA/biot/granodiorite - Whetstone Mtns. (Apache Peak) M73:79
1303 76.00 -- KA/horn/granodiorite - Whetstone Mtns. (Apache Peak) M73:79

White Hills alteration

1341 ** 126.90 -- KA/seri/alteration pipe - White Hills (Garnet Mtn.) 79-GM-8B
1346 ** 130.30 -- KA/seri/alteration pipe - White Hills (Garnet Mtn.) 79-GM-8B

White Hills granodiorite

1307 ** 76.30 -- KA/biot/gneissic granodiorite - White Hills (Garnet Mtn.) 999

White Hills vein

1410 ** 712.00 -- KA/musc/vein - Lake Mead area (Senator Mtn.) 735
1421 ** 822.00 -- KA/musc/vein - Lake Mead area (Senator Mtn.) 735-1

White Horse Hills rhyolite

28 0.88 -- KA/biot/rhyolite - San Francisco volcanic field (White Horse Hills) UAKA-73-114

White Marble Mine pegmatite

1403 ** 573.00 -- KA/musc/alaskite-pegmatite - Harquahala Mtns. (Gladden) 83-11-8-3

White Picacho pegmatite

1411 ** 755.00 -- KA/plag/pegmatite - Hieroglyphic Mtns. (Red Picacho) AWL-19-66F
1422 ** 825.00 -- KA/plag/pegmatite - Hieroglyphic Mtns. (Red Picacho) AWL-19-66C
1481 ** 1284.00 -- KA/musc/pegmatite - Hieroglyphic Mtns. (Red Picacho) AWL-16-66
1570 1582.00 -- KA/spod/pegmatite - Hieroglyphic Mtns. (Red Picacho) AWL-15-66
1574 1605.00 -- KA/spod/pegmatite - Hieroglyphic Mtns. (Red Picacho) AWL-15-66

White Picacho pegmatite (?)

1459 ** 1126.00 -- KA/mica/pegmatite - Wickenburg Mtns. (?) (Red Picacho (?)) A57:3
1476 ** 1272.00 -- SR/ /pegmatite - Hieroglyphic Mtns. (Red Picacho (?)) A57:3

White Tank granodiorite

1324 ** 88.20 -- KA/horn/granodiorite - White Tank Mtns. (White Tank Mtns.) A75:WT

White Tanks Mtns. granodiorite

477 19.58 -- KA/biot/granodiorite - White Tank Mtns. (White Tank Mtns.) UAKA-73-14

Whitetail Canyon granodiorite

905 33.50 -- FT/zirc/granodiorite - Chiricahua Mtns. (Cochise Head)

Whitetail Canyon latite porph.

762 ** 26.70 -- FT/zirc/latite porphyry - Chiricahua Mtns. (Cochise Head)
904 ** 33.50 -- FT/apat/latite porphyry - Chiricahua Mtns. (Cochise Head)

Whitetail Conglomerate

903 33.20 -- KA/biot/air-fall tuff - Ray area (Hot Tamale Peak) B72:21
907 33.50 -- KA/biot/tuff - Galiuro Mtns. (Brandenburg Mtn.)

Whitlock Mtns. volcanics

733 25.70 -- KA/ /volcanic rock - Whitlock Mtns. (Dry Mtn. (?)) SL-3A

Whitlock basalt

375 16.20 -- KA/w.r./basalt - Whitlock Mtns. (Whitlock Mtns. NE) R81:A
390 16.60 -- KA/plag/basalt - Whitlock Mtns. (Whitlock Mtns. NE) R81:A

Wickenburg granodiorite

1128 62.90 -- KA/biot/granodiorite - Vulture Mtns. (Vulture Mtns.) UAKA-71-14
1204 68.40 -- KA/biot/granodiorite - Vulture Mtns. (Vulture Mtns.) UAKA-71-34

Wikieup granite

1080 59.80 -- KA/biot/granite - Hualapai Mtns. (Wikieup NW) B-3368

Wilderness granite

469 ** 19.30 -- FT/apat/granite - Santa Catalina Mtns. (Agua Caliente Hill) GGN-S1
602 ** 23.10 -- KA/musc/granite - Santa Catalina Mtns. (Tucson North) UAKA-71-11
608 ** 23.30 -- KA/biot/granite - Santa Catalina Mtns. (Agua Caliente Hill) GGN-S1
610 ** 23.40 -- SR/biot/granite - Santa Catalina Mtns. (Agua Caliente Hill) PED-4A-58
646 ** 24.00 -- KA/k-sp/granite - Santa Catalina Mtns. (Agua Caliente Hill (?)) UAKA-72-76
670 ** 24.70 -- KA/musc/granite - Santa Catalina Mtns. (Agua Caliente Hill) GGN-S1
706 ** 25.40 -- KA/biot/gneissic granite - Santa Catalina Mtns. (Agua Caliente Hill) PED-04A-58
872 ** 30.20 -- KA/musc/gneissic granite - Santa Catalina Mtns. (Agua Caliente Hill) PED-04A-58
933 ** 36.80 -- SR/musc/granite - Santa Catalina Mtns. (Agua Caliente Hill) PED-4A-58
962 44.60 -- PB/mona/granite - Santa Catalina Mtns. (Mt. Lemmon)
963 44.60 -- PB/mona/granite - Santa Catalina Mtns. (Agua Caliente Hill)
967 46.00 -- SR/w.r./granite - Santa Catalina-Rincon-Tortolita Mtns. (Agua Caliente Hill) SEVERAL
968 ** 46.50 -- KA/garn/granite - Santa Catalina Mtns. (Agua Caliente Hill (?)) UAKA-71-21
975 47.90 -- KA/musc/pegmatite - Santa Catalina Mtns. (Mt. Lemmon) PED-15-59
987 ** 50.00 -- PB/zirc/gneissic granite - Santa Catalina Mtns. (Agua Caliente Hill) 100

Wilderness granite (?)

757 ** 26.50 -- KA/musc/gneissic granite - Santa Catalina Mtns. (Sabino Canyon) PED-04-58
891 ** 31.90 -- KA/musc/gneissic granite - Santa Catalina Mtns. (Tucson North) PED-56-66

Williamson Canyon Volcanics

1299 75.80 -- KA/biot/andesitic tuff - Galiuro Mtns. (Saddle Mtn.) UAKA-75-63
1304 76.20 -- KA/horn/tuff - Dripping Spring Mtns. (Hayden) 74AB75

Williamson Canyon dike (?)

1318 82.70 -- KA/horn/basalt dike - Galiuro Mtns. (Christmas) UAKA-76-66

Williamson Canyon stock

1317 82.20 -- KA/horn/microdiorite - Galiuro Mtns. (Saddle Mtn.) UAKA-75-64

Willow Spring Granodiorite

1038 ** 56.60 -- KA/biot/granodiorite - Globe-Miami area (Inspiration) C80:46
1248 ** 71.40 -- KA/biot/granodiorite - Globe-Miami area (Inspiration) C80:52
1325 ** 89.70 -- KA/biot/granodiorite - Globe-Miami area (Inspiration) C80:48
1339 ** 120.00 -- KA/biot/granodiorite - Globe-Miami area (Inspiration) C80:45
1345 ** 129.00 -- KA/biot/granodiorite - Globe-Miami area (Inspiration) C80:50
1387 ** 235.00 -- KA/biot/granodiorite - Globe-Miami area (Inspiration) C80:53
1402 ** 515.00 -- KA/biot/granodiorite - Globe-Miami area (Inspiration) C80:54
1408 ** 683.00 -- KA/biot/granodiorite - Globe-Miami area (Inspiration) C80:49
1412 ** 760.00 -- KA/biot/granodiorite - Globe-Miami area (Inspiration) C80:47
1415 ** 799.00 -- KA/biot/granodiorite - Globe-Miami area (Inspiration) C80:55
1628 ** 1871.00 -- KA/biot/granodiorite - Globe-Miami area (Inspiration) C80:51

Wilson Ridge granite

317 14.00 -- KA/biot/granite - Black Mtns. (Hoover Dam) BC305
355 15.50 -- KA/biot/granite - Black Mtns. (Hoover Dam) BC303

Wilson Wash andesite

625 23.60 -- KA/w.r./andesite - Gila Mtns. (Safford) H85:A

Winkelman diorite

1174 65.60 -- KA/horn/diorite - Tortilla Mtns. (Winkelman)

Winkelman rhyodacite dike

1198 67.30 -- KA/biot/rhyodacite dike - Tortilla Mtns. (Winkelman) W-86

Wood Camp Canyon granite

439 18.35 -- KA/biot/granite - Superior area (Picketpost Mtn.) UAKA-73-109
530 ** 20.86 -- KA/biot/granite - Superior area (Superior) KA-71-44

Wood Canyon rhyolite dike

685 25.00 -- FT/zirc/rhyolite dike - Dos Cabezas Mtns. (Dos Cabezas)

Woodhouse Mesa basalt

23 0.81 -- KA/w.r./basalt - San Francisco volcanic field (Roden Crater) UAKA-73-153

Woody Mtn. Summit latite

46 1.61 -- KA/w.r./latite - San Francisco volcanic field (Flagstaff West) UAKA-72-27

Woody Mtn. basalt

158 6.07 -- KA/w.r./basalt - San Francisco volcanic field (Bellemont) UAKA-72-26

Woolsey Peak volcanics

794 27.41 -- KA/w.r./basaltic andesite - Gila Bend Mtns. (Spring Mtn.) UAKA-73-26

Wrong Mtn. Quartz Monzonite

560 ** 21.90 -- KA/biot/quartz monzonite - Rincon Mtns. (Piety Hill) M78:101
607 ** 23.30 -- FT/apat/granite - Rincon Mtns. (Galleta Flat West) 71D17
651 ** 24.10 -- KA/biot/quartz monzonite - Rincon Mtns. (Galleta Flat West) M73:80
666 ** 24.60 -- FT/zirc/granite - Rincon Mtns. (Galleta Flat West) 71D17
684 ** 25.00 -- FT/zirc/granite - Rincon Mtns. (Rincon Valley) 73D52
687 ** 25.00 -- KA/biot/granite - Rincon Mtns. (Rincon Valley) 73D52
701 ** 25.30 -- FT/apat/granite - Rincon Mtns. (Rincon Valley) 73D52
708 ** 25.40 -- KA/musc/quartz monzonite - Rincon Mtns. (Galleta Flat West) M73:80
906 ** 33.50 -- KA/musc/pegmatite - Rincon Mtns. (Rincon Valley) PED-30-60
923 ** 35.10 -- KA/musc/quartz monzonite - Rincon Mtns. (Piety Hill) M78:101
966 45.80 -- KA/musc/quartz monzonite - Rincon Mtns. (Bellota Ranch) M78:102

Wrong Mtn. pegmatite (?)

710 ** 25.40 -- KA/biot/pegmatite - Rincon Mtns. (Happy Valley) UAKA-74-80

Wukoki basalt

29 0.89 -- KA/w.r./basalt - San Francisco volcanic field (Wupatki SE) UAKA-73-119

Yavapai Supergroup

1401 ** 480.00 -- SR/biot/schist - Prescott area (Prescott) UAKA-57-04
1413 ** 766.00 -- KA/biot/schist - Prescott area (Prescott) UAKA-57-04
1463 ** 1170.00 -- KA/biot/schist - Bagdad area (Bagdad) UAKA-60-06
1478 ** 1282.00 -- SR/w.r./volcanics - Black Hills (Mayer) L68:E
1554 ** 1498.00 -- SR/w.r./volcanics - Jerome area (Poland Junction) L68:C,D,E
1573 ** 1605.00 -- SR/w.r./volcanics - Jerome area (Cottonwood) L68:D
1624 1755.00 -- PB/zirc/rhyolite - Bradshaw Mtns. (Crown King) A71:2

Yellow Medicine volcanics

626 23.64 -- KA/w.r./rhyolite - Gila Bend Mtns. (Dendora Valley) UAKA-78-47

Young granite

1583 1630.00 -- PB/zirc/granite - Diamond Butte area (Young)

Yuma granitic gneiss

941 ** 39.00 -- KA/biot/granitic gneiss - Yuma area (Yuma East) ES:116
1091 ** 60.50 -- KA/biot/granitic gneiss - Yuma area (Yuma East) ES:116

Zoroaster gneiss

1494 ** 1341.00 -- SR/mica/gneiss - Grand Canyon (Bright Angel) A57:1
1496 ** 1349.00 — KA/mica/gneiss - Grand Canyon (Bright Angel) A57:1

Zoroaster granite

1606 1705.00 -- PB/zirc/granite - Grand Canyon (Bright Angel)

Part IV

List of Radiometric Age Determinations by Sample Number*

*See Table B for list of sample-number-prefix codes for references with consecutively numbered date lists.

RECORD NO.	SAMPLE NO.		AGE	-- METHOD/MATERIAL/ROCK TYPE	REFERENCE
5			0.07	-- KA/w.r./basalt	Baksi, 1974
64			2.08	-- KA/w.r./basalt	Hughes, 1978
71			2.40	-- KA/biot/rhyodacite	Nealey, 1980
101			3.50	-- KA/biot/dacite	Pugmire, 1977
111			4.10	-- KA/biot/dacite	Pugmire, 1977
112			4.11	-- KA/w.r./basalt	Hughes, 1978
113			4.17	-- KA/w.r./basalt dike	Hughes, 1978
116			4.40	-- KA/biot/rhyodacite	Nealey, 1980
125			4.82	-- KA/w.r./basalt	Hughes, 1978
130			5.15	-- KA/plag/dacite	Hughes, 1978
136			5.40	-- KA/biot/rhyodacite	Nealey, 1980
145			5.70	-- KA/plag/dacite	Pugmire, 1977
159			6.13	-- KA/w.r./basalt	McKee, 1973
160			6.20	-- KA/w.r./basalt	Lucchitta and McKee, 1975
180			7.64	-- KA/w.r./basalt	Lucchitta and McKee, 1975
388		**	16.60	-- FT/zirc/K-rich volcanic	Brooks, 1986
404			17.30	-- KA/biot/volcanic rock	Dahm and Hankins, 1982
427			18.00	-- KA/biot/rhyodacite tuff	Krieger, 1974b
433			18.23	-- KA/w.r./basalt	Young and McKee, 1978
473			19.50	-- KA/w.r./rhyolite to rhyodacite	Dahm and Hankins, 1982
491			20.00	-- KA/biot/welded tuff	Douthitt, 1981
512		**	20.50	-- FT/zirc/lithic tuff	Drewes, 1985
552			21.80	-- KA/feld/tuff	Douthitt, 1981
563			22.00	-- PB/zirc/granodiorite	Reynolds and others, 1986
569			22.10	-- KA/w.r./basalt	Weibel, 1981
576			22.30	-- KA/biot/rhyolite dike	Krieger, 1974c
584			22.50	-- KA/sani/rhyolite	Weibel, 1981
624		**	23.60	-- KA/biot/granite	Johnson, 1981
652			24.10	-- KA/sani/rhyodacite tuff	Krieger, 1974b
674			24.72	-- KA/w.r./basalt	Young and McKee, 1978
685			25.00	-- FT/zirc/rhyolite dike	Drewes, 1985
714			25.50	-- FT/zirc/rhyolite dike	Drewes, 1982
731			25.70	-- KA/plag/rhyodacite	Otton, 1981
755			26.50	-- PB/zirc/granite	Shakel and others, 1977
762		**	26.70	-- FT/zirc/latite porphyry	Drewes, 1982
775		**	27.00	-- FT/zirc/dacitic lithic tuff	Drewes, 1985
830		**	28.50	-- FT/zirc/ash-flow tuff	Drewes, 1981
882			31.00	-- KA/w.r./vogesite	Pohlmann, 1967
884			31.30	-- FT/zirc/andesitic lavas	Drewes, 1982
892			32.00	-- FT/apat/andesitic lavas	Drewes, 1982
904		**	33.50	-- FT/apat/latite porphyry	Drewes, 1982
905			33.50	-- FT/zirc/granodiorite	Drewes, 1982
907			33.50	-- KA/biot/tuff	Krieger and others, 1979
915		**	34.00	-- KA/biot/quartz monzonite	Rose and Cook, 1965
962			44.60	-- PB/mona/granite	Shakel and others, 1977
963			44.60	-- PB/mona/granite	Shakel and others, 1977
1008			53.00	-- KA/seri/alteration	Rose and Cook, 1965
1058			58.00	-- KA/biot/quartz diorite	Rose and Cook, 1965
1059			58.00	-- KA/biot/quartz monzonite porphyry	Rose and Cook, 1965
1102			61.00	-- KA/biot/rhyolite stock	Krieger, 1968
1151			64.40	-- KA/biot/ash-flow tuff	Grover, 1982
1159			64.70	-- KA/biot/granodiorite	Rehrig, 1986
1162			65.00	-- KA/biot/granodiorite	Creasey, 1965
1174			65.60	-- KA/horn/diorite	Krieger, 1974a
1191			67.00	-- KA/biot/granite	Johnson, 1981
1213		**	68.80	-- KA/biot/granite	Langton, 1979
1218			69.00	-- KA/biot/granodiorite	Creasey, 1965
1245			71.30	-- KA/horn/dacite porphyry	Krieger, 1974a
1268			72.80	-- PB/zirc/granite	Sawyer, 1986
1309			76.40	-- KA/seri/alteration	Anaconda, unpub. data
1380			194.00	-- PB/zirc/quartz porphyry	Wright and others, 1981
1388		**	236.00	-- SR/w.r./rhyolite pebbles	Dodge, 1973
1424		**	853.00	-- KA/w.r./basalt	Ford and others, 1972
1446			1054.00	-- PB/zirc/granophyre	Silver, 1960
1455			1100.00	-- PB/zirc/granophyre	Silver, 1978
1517			1400.00	-- PB/zirc/granite	Silver and others, 1980
1522			1411.00	-- PB/zirc/granite	Silver and others, 1980
1526			1416.00	-- PB/zirc/quartz monzonite	Byrant and Wooden, 1986
1527			1416.00	-- PB/zirc/quartz monzonite	Byrant and Wooden, 1986
1531			1420.00	-- PB/zirc/granite	Silver, 1978
1532			1420.00	-- PB/zirc/granite	Shakel and others, 1977
1542			1440.00	-- PB/zirc/granite	Silver and others, 1980
1559		**	1547.00	-- SR/k-sp/granophyre xenolith	Naeser, 1971
1572		**	1605.00	-- SR/w.r./granite	Krieger, 1974c

1583			1630.00	--	PB/zirc/granite	Conway, 1976
1588			1640.00	--	PB/zirc/granite	Silver, 1965
1593			1675.00	--	PB/mona/quartzofeldspathic gneiss	Pasteels and Silver, 1966
1596			1695.00	--	PB/zirc/rhyolite	Ludwig, 1974
1597			1695.00	--	PB/zirc/metarhyolite	Silver, 1967
1598			1695.00	--	PB/zirc/quartz monzonite	Karlstrom and others, 1986
1600			1697.00	--	PB/zirc/rhyolite	Silver and others, 1986
1603			1700.00	--	PB/zirc/rhyolite ash-flow	Silver and others, 1986
1605			1703.00	--	PB/zirc/granite	Silver and others, 1986
1606			1705.00	--	PB/zirc/granite	Pasteels and Silver, 1966
1607			1709.00	--	PB/zirc/metarhyolite	Byrant and Wooden, 1986
1609			1710.00	--	PB/zirc/rhyolite	Silver and others, 1986
1610			1711.00	--	PB/zirc/granodiorite gneiss	Bryant and Wooden, 1986
1613			1720.00	--	PB/zirc/metarhyolite	Silver, 1966
1614			1720.00	--	PB/zirc/rhyolite	Silver, 1966
1615			1720.00	--	PB/zirc/granodiorite	Silver, 1966
1616			1720.00	--	PB/zirc/quartz diorite	Bowring and others, 1986
1617			1738.00	--	PB/zirc/mafic granodiorite	Silver and others, 1986
1620			1740.00	--	PB/zirc/rhyolite tuff	Silver, 1966
1621			1740.00	--	PB/zirc/granodiorite	Karlstrom and others, 1986
1622			1740.00	--	PB/zirc/granodiorite	Karlstrom and others, 1986
987	100	**	50.00	--	PB/zirc/gneissic granite	Catanzaro and Kulp, 1964
267	100-77		11.80	--	KA/w.r./basalt	Brooks, 1984
414	12-100		17.50	--	KA/biot/rhyodacite tuff	Berry and others, 1976
1468	123	**	1235.00	--	KA/biot/granodiorite	Marvin and Cole, 1978
673	167-78		24.70	--	KA/plag/rhyodacite	Brooks, 1984
988	17-1 TO 17-3		50.30	--	SR/musc/granite	Rehrig, 1981
1007	17-2, 17-3		53.00	--	SR/w.r./granite	Rehrig, 1981
399	1872		17.10	--	KA/plag/basalt	Davis and others, 1982
671	1877	**	24.70	--	KA/w.r./phyllite	Davis and others, 1982
702	1878	**	25.30	--	KA/plag/olivine basalt	Calzia and Morton, 1980
1052	1879	**	57.50	--	KA/w.r./granite	Calzia and Morton, 1980
364	1882	**	15.90	--	KA/plag/olivine basalt	Davis and others, 1982
1033	1887	**	56.10	--	KA/plag/rhyolite	Davis and others, 1982
435	191-79	**	18.30	--	FT/apat/ash-flow tuff	Brooks, 1984
446	191-79	**	18.60	--	FT/zirc/ash-flow tuff	Brooks, 1984
638	191-79		23.90	--	KA/biot/ash-flow tuff	Brooks, 1984
571	210-79		22.10	--	KA/biot/rhyodacite	Brooks, 1984
1326	2118R	**	90.30	--	KA/biot/granite porphyry	Weaver, 1982
501	2119		20.30	--	KA/plag/andesite	Weaver, 1982
854	2139	**	29.10	--	KA/plag/basalt	Weaver, 1982
1166	2165		65.20	--	KA/biot/granodiorite	Weaver, 1982
1022	2166		54.80	--	KA/biot/schist	Weaver, 1982
1334	2167	**	109.30	--	KA/biot/gneiss	Weaver, 1982
1312	2168	**	78.60	--	KA/biot/granite porphyry	Weaver, 1982
855	2169		29.10	--	KA/plag/dacite	Weaver, 1982
1333	2170R	**	107.50	--	KA/biot/tonalite	Weaver, 1982
1207	2174		68.50	--	KA/biot/gneiss	Weaver, 1982
604	2175		23.10	--	KA/w.r./andesite	Weaver, 1982
1319	2175	**	84.00	--	KA/biot/granite porphyry	Weaver, 1982
695	2177		25.10	--	KA/plag/andesite	Weaver, 1982
800	2178		27.60	--	KA/plag/andesite	Weaver, 1982
679	2180		24.90	--	KA/phlo/tuff	Weaver, 1982
779	2181		27.00	--	KA/plag/rhyolite	Weaver, 1982
59	2182	**	2.00	--	KA/w.r./andesite	Weaver, 1982
481	2186		19.60	--	KA/plag/rhyolitic tuff	Weaver, 1982
1322	2187	**	86.80	--	KA/horn/gneiss	Weaver, 1982
1359	2188	**	152.20	--	KA/horn/amphibolite	Weaver, 1982
942	2189		39.10	--	KA/biot/latite porphyry	Weaver, 1982
1332	2191	**	100.60	--	KA/biot/granite porphyry	Weaver, 1982
1044	2192		56.90	--	KA/biot/granite	Weaver, 1982
1253	2193		71.50	--	KA/biot/granodiorite	Weaver, 1982
1272	2194		72.90	--	KA/biot/granite	Weaver, 1982
1338	2195	**	114.70	--	KA/horn/metagranite	Weaver, 1982
1203	278A		67.80	--	KA/musc/vein	Theodore and others, 1982
1201	3		67.60	--	PB/zirc/granodiorite	Tosdal, 1979
500	3-2-1	**	20.30	--	KA/biot/latite	Kortemeier and others, 1986
453	3-3-3		18.70	--	KA/w.r./rhyolite	Kortemeier and others, 1986
369	3-3-4		16.10	--	KA/biot/latite	Kortemeier and others, 1986
462	35-39-73	**	19.20	--	SR/w.r./aplite	Hoelle, 1976
447	385		18.60	--	KA/biot/quartz latite	Thorson, 1971
445	4-16-84-5		18.60	--	PB/zirc/granite	DeWitt and Thorson, in press
426	4-16-84-6		18.00	--	PB/zirc/granite	DeWitt and Thorson, in press
1206	4263		68.50	--	SR/biot/felsic porphyry	Moorbath and others, 1967
1078	4265		59.70	--	SR/biot/felsic porphyry	Moorbath and others, 1967
657	5		24.26	--	KA/sani/rhyolite tuff	Deal and others, 1978
863	5		29.63	--	KA/w.r./basaltic andesite	Elston and others, 1973

771	5-15-55A		26.90	--	KA/biot/tuff	Marvin and Dobson, 1979
760	5-A-2		26.60	--	KA/biot/vitrophyre	Bikerman and Damon, 1966
1315	54AB75		81.70	--	KA/horn/andesite	McKee and Koski, 1981
1474	550	**	1270.00	--	KA/biot/granodiorite	Marvin and Cole, 1978
464	558A		19.20	--	KA/biot/quartz latite	Thorson, 1971
716	67-JDS-01		25.50	--	KA/biot/vogesite	Marvin and Dobson, 1979
958	67-JDS-01	**	42.10	--	KA/sani/vogesite	Marvin and Dobson, 1979
732	67-JDS-01B		25.70	--	KA/biot/vogesite	Marvin and Dobson, 1979
955	67-JDS-01B	**	41.80	--	KA/sani/vogesite	Marvin and Dobson, 1979
607	71D17	**	23.30	--	FT/apat/granite	Marvin and Cole, 1978
666	71D17	**	24.60	--	FT/zirc/granite	Marvin and Cole, 1978
799	71D194	**	27.60	--	KA/biot/granite	Marvin and Cole, 1978
834	71D194	**	28.50	--	KA/musc/granite	Marvin and Cole, 1978
353	728A		15.40	--	KA/sani/air-fall tuff	Theodore and others, 1982
1305	72AB74		76.20	--	KA/horn/andesite porphyry dike	McKee and Koski, 1981
33	72D6		1.00	--	KA/w.r./basalt	Marvin and Cole, 1978
1358	72D69		149.00	--	KA/biot/granite	Marvin and Cole, 1978
1442	73-49 to -51	**	1042.00	--	SR/w.r./pegmatite	Swan, 1976
246	733C		10.90	--	KA/w.r./basalt	Theodore and others, 1982
1410	735	**	712.00	--	KA/musc/vein	Theodore and others, 1982
1421	735-1	**	822.00	--	KA/musc/vein	Theodore and others, 1982
684	73D52	**	25.00	--	FT/zirc/granite	Marvin and Cole, 1978
687	73D52	**	25.00	--	KA/biot/granite	Marvin and Cole, 1978
701	73D52	**	25.30	--	FT/apat/granite	Marvin and Cole, 1978
1221	748		69.60	--	KA/horn/diorite porphyry	Armstrong, 1969
1222	748R		69.60	--	KA/w.r./diorite porphyry	Armstrong, 1969
1304	74AB75		76.20	--	KA/horn/tuff	McKee and Koski, 1981
1378	74D102		185.00	--	KA/biot/quartz monzonite	Marvin and Cole, 1978
1163	74D143		65.10	--	KA/sani/rhyolite porphyry	Marvin and Cole, 1978
1184	74D143		66.60	--	KA/biot/rhyolite porphyry	Marvin and Cole, 1978
914	74D151		34.00	--	KA/biot/granodiorite	Marvin and Cole, 1978
917	74D161		34.50	--	KA/horn/andesite	Marvin and Cole, 1978
1024	74D57	**	55.00	--	FT/apat/granodiorite	Marvin and Cole, 1978
1416	74D57	**	800.00	--	FT/zirc/granodiorite	Marvin and Cole, 1978
1514	74D57		1390.00	--	KA/musc/granodiorite	Marvin and Cole, 1978
1516	74D57		1395.00	--	KA/biot/granodiorite	Marvin and Cole, 1978
744	74D62	**	26.10	--	FT/apat/granodiorite	Marvin and Cole, 1978
1492	74D62	**	1340.00	--	KA/biot/granodiorite	Marvin and Cole, 1978
1521	74D62		1410.00	--	SR/min./granodiorite	Marvin and Cole, 1978
1525	74D62		1415.00	--	KA/musc/granodiorite	Marvin and Cole, 1978
1357	74D84		149.00	--	KA/biot/granodiorite	Marvin and Cole, 1978
1308	74D91		76.30	--	KA/biot/granodiorite	Marvin and Cole, 1978
1247	76T30	**	71.40	--	KA/biot/quartz monzonite	Theodore and others, 1978
1340	76T30	**	124.00	--	KA/horn/quartz monzonite	Theodore and others, 1978
1188	77T40	**	66.80	--	KA/biot/granite	Theodore and others, 1978
66	78W208		2.17	--	FT/glas/air-fall tuff	Dickson and Izett, 1981
80	78W209		2.67	--	FT/glas/air-fall tuff	Dickson and Izett, 1981
69	78W211		2.33	--	FT/zirc/air-fall tuff	Dickson and Izett, 1981
72	78W211		2.43	--	FT/glas/air-fall tuff	Dickson and Izett, 1981
600	79		23.10	--	KA/horn/granophyre porphyry	Thorson, 1971
1341	79-GM-8B	**	126.90	--	KA/seri/alteration pipe	Theodore and others, 1982
1346	79-GM-8B	**	130.30	--	KA/seri/alteration pipe	Thoedore and others, 1982
1350	8	**	139.00	--	PB/uran/mineralization	Gornitz and Kerr, 1970
526	81AG206		20.70	--	KA/biot/rhyolite dike	Gray and Miller, 1984
474	81AG239		19.50	--	KA/biot/rhyolite	Gray and Miller, 1984
634	81AM176		23.80	--	KA/biot/andesite breccia	Gray and Miller, 1984
551	81AM183		21.70	--	KA/biot/ash-flow tuff	Gray and Miller, 1984
325	81AM204		14.40	--	KA/w.r./basalt	Gray and Miller, 1984
436	81AM57		18.30	--	KA/plag/andesite	Gray and Miller, 1984
564	81AM96		22.00	--	KA/biot/rhyodacite tuff	Gray and Miller, 1984
186	81D135		8.00	--	KA/w.r./basalt	Erickson and Drewes, 1984
442	82AM61		18.40	--	KA/plag/basalt	Gray and Miller, 1984
983	83-11-8-1	**	49.50	--	KA/biot/porphyritic granite	Hardy, 1984
1063	83-11-8-2	**	58.40	--	KA/biot/gneiss	Hardy, 1984
1403	83-11-8-3	**	573.00	--	KA/musc/alaskite-pegmatite	Hardy, 1984
1123	83-11-8-4	**	62.50	--	KA/musc/mylonitic schist	Hardy, 1984
1034	83-11-8-5	**	56.10	--	KA/biot/mylonitic schist	Hardy, 1984
1169	837		65.40	--	KA/musc/vein	McKee, 1982
1224	83AB75		69.80	--	KA/horn/rhyodacite intrusion	McKee and Koski, 1981
561	83AM82		21.90	--	KA/biot/rhyolitic tuff	Gray and Miller, 1984
1536	841-845-854		1433.00	--	SR/w.r./granite	Erickson, 1981
1261	884		72.00	--	KA/musc/two-mica granite	Theodore and others, 1982
1214	923		68.80	--	KA/musc/vein	Theodore and others, 1982
1307	999	**	76.30	--	KA/biot/gneissic granodiorite	Theodore and others, 1982
1488	A-10	**	1331.00	--	SR/biot/gneiss	Wasserburg and Lanphere, 1965
1568	A-12A	**	1572.00	--	SR/micr/pegmatite	Wasserburg and Lanphere, 1965
1311	A-2197		77.40	--	KA/horn/rhyodacite dike	Anaconda, unpub. data

1482	A-23	**	1297.00	--	SR/musc/pegmatite	Wasserburg and Lanphere, 1965
1551	A-3	**	1485.00	--	SR/min./quartz monzonite	Wasserburg and Lanphere, 1965
1587	A-3		1635.00	--	KA/horn/quartz monzonite	Wasserburg and Lanphere, 1965
1582	A-3,4,8A,8C	**	1625.00	--	SR/micr/pegmatite	Wasserburg and Lanphere, 1965
1584	A-31	**	1635.00	--	KA/musc/pegmatite	Wasserburg and Lanphere, 1965
1590	A-31	**	1644.00	--	SR/musc/pegmatite	Wasserburg and Lanphere, 1965
1565	A-32	**	1559.00	--	SR/micr/pegmatite	Wasserburg and Lanphere, 1965
1563	A-35	**	1553.00	--	SR/biot/quartz monzonite	Wasserburg and Lanphere, 1965
1558	A-37	**	1521.00	--	SR/micr/pegmatite	Wasserburg and Lanphere, 1965
1448	A-40	**	1058.00	--	SR/w.r./gneissic quartz monzonite	Wasserburg and Lanphere, 1965
341	A-43		15.00	--	KA/biot/trachyandesite	Krieger and others, 1971
790	A-44		27.30	--	KA/horn/latite	Krieger and others, 1971
643	A-45		24.00	--	KA/biot/latite	Krieger and others, 1971
1433	A-46	**	920.00	--	SR/micr/granite	Wasserburg and Lanphere, 1965
1564	A-6,7	**	1559.00	--	SR/biot/gneiss	Wasserburg and Lanphere, 1965
1602	A-7		1698.00	--	KA/horn/gneiss	Wasserburg and Lanphere, 1965
1578	A-8A	**	1615.00	--	KA/musc/pegmatite	Wasserburg and Lanphere, 1965
397	A3	**	17.10	--	FT/apat/rhyodacite	Brooks, 1984
463	A3	**	19.20	--	FT/zirc/rhyodacite	Brooks, 1984
182	A4A		7.70	--	KA/w.r./andesite	McKee and Elston, 1980
1494	A57:1	**	1341.00	--	SR/mica/gneiss	Aldrich and others, 1957
1496	A57:1	**	1349.00	--	KA/mica/gneiss	Aldrich and others, 1957
1503	A57:2A	**	1361.00	--	SR/musc/granite	Aldrich and others, 1957
1507	A57:2A	**	1368.00	--	KA/musc/granite	Aldrich and others, 1957
1508	A57:2B	**	1368.00	--	KA/musc/pegmatite	Aldrich and others, 1957
1548	A57:2B	**	1468.00	--	SR/micr/pegmatite	Aldrich and others, 1957
1459	A57:3	**	1126.00	--	KA/mica/pegmatite	Aldrich and others, 1957
1476	A57:3	**	1272.00	--	SR/ /pegmatite	Aldrich and others, 1957
1145	A68:4	**	64.00	--	KA/biot/granodiorite	Anderson, 1968
1146	A68:7A		64.00	--	KA/biot/granodiorite	Anderson, 1968
1226	A68:7B		70.00	--	KA/biot/granodiorite	Anderson, 1968
155	A70:27		6.00	--	KA/w.r./basalt	Armstrong, 1970
122	A70:28	**	4.70	--	KA/kaer/camptonite dike	Armstrong, 1970
1626	A71:1		1800.00	--	PB/zirc/rhyolite	Anderson and others, 1971
1624	A71:2		1755.00	--	PB/zirc/rhyolite	Anderson and others, 1971
1623	A71:3,4		1750.00	--	PB/zirc/granodiorite	Anderson and others, 1971
1619	A71:6		1740.00	--	PB/zirc/granodiorite	Anderson and others, 1971
1618	A71:7,8,9		1740.00	--	PB/zirc/quartz diorite	Anderson and others, 1971
838	A72:45	**	28.60	--	KA/biot/ash-flow tuff	Anderson and others, 1972
956	A72:46	**	41.90	--	KA/biot/ash-flow tuff	Anderson and others, 1972
1158	A75:CK		64.70	--	KA/biot/granodiorite	Armstrong, 1975
1324	A75:WT	**	88.20	--	KA/horn/granodiorite	Armstrong, 1975
553	AA1128		21.80	--	KA/horn/dacite	Gray and Miller, 1984
715	AB49-73		25.50	--	KA/w.r./basalt dike	McKee and Koski, 1981
394	AK2087		16.70	--	KA/horn/andesite	Gray and Miller, 1984
452	AK2091		18.70	--	KA/sani/rhyolite	Gray and Miller, 1984
368	AK2100		16.10	--	KA/w.r./andesite	Gray and Miller, 1984
282	AP-04A		12.60	--	KA/sani/rhyolite	Suneson and Lucchitta, 1979
213	AP-19		9.20	--	KA/w.r./basalt	Suneson and Lucchitta, 1983
456	AP-205		18.85	--	KA/biot/quartz latite tuff	Stuckless and Sheridan, 1971
392	AP-215		16.68	--	KA/sani/rhyolite tuff	Stuckless and Sheridan, 1971
386	AP200		16.60	--	FT/zirc/quartz latite	Stuckless and Sheridan, 1971
387	AP200		16.60	--	FT/sphe/quartz latite	Stuckless and Sheridan, 1971
996	AP202	**	51.70	--	FT/apat/granite	Stuckless and Naeser, 1972
1537	AP202		1433.00	--	FT/sphe/granite	Stuckless and Naeser, 1972
1505	AP202-8145		1366.00	--	SR/w.r./granite	Stuckless and Naeser, 1972
1538	AP211	**	1433.00	--	FT/sphe/quartz diorite	Stuckless and Naeser, 1972
648	AP232		24.10	--	FT/sphe/tuff	Stuckless and Sheridan, 1971
683	AP232		25.00	--	FT/zirc/tuff	Stuckless and Sheridan, 1971
717	AP232		25.60	--	FT/apat/tuff	Stuckless and Sheridan, 1971
349	AP234		15.40	--	FT/zirc/ash-flow tuff	Stuckless and Sheridan, 1971
363	AP234		15.90	--	FT/sphe/ash-flow tuff	Stuckless and Sheridan, 1971
700	AP236		25.30	--	FT/zirc/tuff	Stuckless and Sheridan, 1971
747	AP236		26.20	--	FT/sphe/tuff	Stuckless and Sheridan, 1971
865	AP244		29.90	--	FT/zirc/dacite	Stuckless and Sheridan, 1971
382	AP27A		16.50	--	FT/zirc/rhyolite dike	Stuckless and Sheridan, 1971
248	AP76-186A		11.00	--	KA/w.r./basalt	Otton, 1982
419	AP76-32	**	17.60	--	KA/w.r./dacite flow	Otton, 1982
466	AP76-35		19.20	--	KA/w.r./basaltic andesite	Otton, 1982
285	AP76-37		12.80	--	KA/w.r./basalt	Otton, 1982
275	AP76-38		12.10	--	KA/w.r./basalt dike	Otton, 1982
288	AP76-40		12.90	--	KA/w.r./basalt	Otton, 1982
499	AP78-01		20.30	--	KA/w.r./basaltic andesite	Otton, 1982
305	AP78-02	**	13.60	--	KA/w.r./K-rich volcanic	Otton, 1982
778	AV-11A		27.00	--	KA/ /volcanic rock	Strangway and others, 1976
820	AV-11B		28.20	--	KA/ /volcanic rock	Strangway and others, 1976
766	AV-14B		26.70	--	KA/ /volcanic rock	Strangway and others, 1976

896	AV-15B		32.10	--	KA/ /volcanic rock	Strangway and others, 1976
911	AV-15B		33.70	--	KA/ /volcanic rock	Strangway and others, 1976
913	AV-15B		33.90	--	KA/ /volcanic rock	Strangway and others, 1976
848	AV-17B		28.80	--	KA/ /volcanic rock	Strangway and others, 1976
851	AV-18B		29.00	--	KA/ /volcanic rock	Strangway and others, 1976
875	AV-18B		30.30	--	KA/ /volcanic rock	Strangway and others, 1976
772	AV-2A		26.90	--	KA/ /volcanic rock	Strangway and others, 1976
819	AV-4B		28.20	--	KA/ /volcanic rock	Strangway and others, 1976
847	AV-8A		28.80	--	KA/ /basaltic andesite	Strangway and others, 1976
109	AWL-03-77		3.87	--	KA/w.r./basalt	Laughlin and others, 1980
25	AWL-04-77		0.84	--	KA/w.r./basalt	Laughlin and others, 1980
48	AWL-05-77		1.67	--	KA/w.r./basalt	Laughlin and others, 1980
21	AWL-06-77		0.75	--	KA/w.r./basalt	Laughlin and others, 1980
106	AWL-07-77		3.67	--	KA/w.r./basalt	Laughlin and others, 1980
156	AWL-08-77		6.03	--	KA/w.r./basalt	Laughlin and others, 1980
780	AWL-11-83		27.00	--	KA/biot/andesite dike	Kress and others, 1985
1570	AWL-15-66		1582.00	--	KA/spod/pegmatite	Laughlin, 1969
1574	AWL-15-66		1605.00	--	KA/spod/pegmatite	Laughlin, 1969
1481	AWL-16-66	**	1284.00	--	KA/musc/pegmatite	Laughlin, 1969
1422	AWL-19-66C	**	825.00	--	KA/plag/pegmatite	Laughlin, 1969
1411	AWL-19-66F	**	755.00	--	KA/plag/pegmatite	Laughlin, 1969
85	AWL-40-74		2.94	--	KA/w.r./olivine basalt	Laughlin and others, 1979
24	AWL-41-74		0.82	--	KA/w.r./basalt	Laughlin and others, 1979
87	AWL-42-74		3.06	--	KA/w.r./alkali basalt	Laughlin and others, 1979
1037	AWL-7-83		56.50	--	KA/feld/felsic dike	Kress and others, 1985
195	B-1		8.50	--	KA/w.r./basalt	McKee and Elston, 1980
1449	B-3 TO B-8		1067.00	--	SR/w.r./basalt	McKee and Noble, 1974
1254	B-3365		71.50	--	KA/biot/granite	Stauffer, 1979
1227	B-3366		70.00	--	KA/biot/granite	Stauffer, 1979
379	B-3367		16.30	--	KA/biot/granite	Stauffer, 1979
1080	B-3368		59.80	--	KA/biot/granite	Stauffer, 1979
1414	B-4	**	790.00	--	KA/w.r./basalt	McKee and Noble, 1974
1005	B-5		52.60	--	KA/seri/breccia	Bennett, 1975
1048	B-6		57.40	--	KA/biot/granite porphyry	Bennett, 1975
1418	B-8	**	820.00	--	KA/w.r./basalt	McKee and Noble, 1974
191	B01		8.30	--	KA/w.r./basalt	McKee and Elston, 1980
176	B02		7.40	--	KA/w.r./basalt	McKee and Elston, 1980
193	B03		8.30	--	KA/w.r./basalt	McKee and Elston, 1980
192	B05		8.30	--	KA/w.r./basalt	McKee and Elston, 1980
214	B07		9.20	--	KA/w.r./basalt	McKee and Elston, 1980
226	B08		10.00	--	KA/w.r./basalt	McKee and Elston, 1980
227	B09		10.00	--	KA/w.r./basalt	McKee and Elston, 1980
236	B10		10.40	--	KA/w.r./basalt	McKee and Elston, 1980
232	B11		10.20	--	KA/w.r./basalt	McKee and Elston, 1980
253	B12		11.30	--	KA/w.r./basalt	McKee and Elston, 1980
269	B15		12.00	--	KA/w.r./basalt	McKee and Elston, 1980
270	B16		12.00	--	KA/w.r./basalt	McKee and Elston, 1980
262	B17B		11.60	--	KA/w.r./basalt	McKee and Elston, 1980
263	B18		11.60	--	KA/w.r./basalt	McKee and Elston, 1980
264	B19		11.60	--	KA/w.r./basalt	McKee and Elston, 1980
295	B21		13.10	--	KA/w.r./basalt	McKee and Elston, 1980
259	B22		11.50	--	KA/w.r./basalt	McKee and Elston, 1980
254	B23		11.30	--	KA/w.r./basalt	McKee and Elston, 1980
260	B24		11.50	--	KA/w.r./basalt	McKee and Elston, 1980
258	B25		11.40	--	KA/w.r./basalt	McKee and Elston, 1980
1347	B72:01	**	131.00	--	KA/horn/porphyritic andesite	Banks and others, 1972
1278	B72:02B		73.30	--	KA/biot/tonalite	Banks and others, 1972
1320	B72:02H	**	85.20	--	KA/horn/tonalite	Banks and others, 1972
1265	B72:03		72.40	--	KA/biot/quartz diorite	Banks and others, 1972
1316	B72:04	**	82.00	--	KA/biot/tonalite	Banks and others, 1972
1277	B72:05		73.10	--	KA/biot/tonalite	Banks and others, 1972
1390	B72:07	**	291.00	--	KA/horn/quartz diorite	Banks and others, 1972
1337	B72:08A	**	113.00	--	KA/horn/quartz diorite	Banks and others, 1972
1328	B72:08B	**	96.00	--	KA/horn/quartz diorite	Banks and others, 1972
1228	B72:09		70.20	--	KA/biot/granodiorite	Banks and others, 1972
1251	B72:10B		71.50	--	KA/biot/granodiorite	Banks and others, 1972
1306	B72:10H		76.30	--	KA/horn/granodiorite	Banks and others, 1972
1138	B72:12		63.70	--	KA/biot/rhyodacite dike	Banks and others, 1972
1098	B72:14		61.00	--	KA/biot/granodiorite	Banks and others, 1972
1155	B72:14		64.60	--	KA/biot/granodiorite	Banks and others, 1972
1154	B72:17		64.60	--	KA/orth/quartz monzonite	Banks and others, 1972
1252	B72:18	**	71.50	--	KA/biot/rhyodacite dike	Banks and others, 1972
1196	B72:19		67.30	--	KA/biot/vein	Banks and others, 1972
1187	B72:20		66.80	--	KA/biot/vein	Banks and others, 1972
903	B72:21		33.20	--	KA/biot/air-fall tuff	Banks and others, 1972
333	B72:22B	**	14.70	--	KA/biot/ash-flow tuff	Banks and others, 1972
418	B72:22H		17.60	--	KA/horn/ash-flow tuff	Banks and others, 1972

1443	B72:23		1050.00	--	KA/biot/diabase	Banks and others, 1972
1330	B72:24B	**	100.00	--	KA/biot/quartz diorite	Banks and others, 1972
1586	B72:24H		1635.00	--	KA/horn/quartz diorite	Banks and others, 1972
1232	B72:25	**	70.30	--	KA/biot/quartz diorite	Banks and others, 1972
243	B84:41		10.80	--	FT/zirc/air-fall tuff	Bohannon, 1984
261	B84:42		11.60	--	FT/zirc/air-fall tuff	Bohannon, 1984
250	B84:43		11.10	--	FT/zirc/air-fall tuff	Bohannon, 1984
201	BA-1		8.66	--	KA/w.r./tuff	Blair and Armstrong, 1979
209	BA78-52A		9.00	--	KA/w.r./olivine basalt	Goff and others, 1983
662	BA78-72	**	24.40	--	KA/w.r./andesite	Goff and others, 1983
894	BA78-72	**	32.00	--	KA/biot/andesite	Goff and others, 1983
930	BA78-72	**	36.10	--	KA/biot/andesite	Goff and others, 1983
527	BA78-73		20.70	--	KA/w.r./basaltic andesite	Goff and others, 1983
139	BA78-82		5.50	--	KA/w.r./olivine basalt	Goff and others, 1983
162	BA78-90		6.20	--	KA/w.r./olivine basalt	Goff and others, 1983
1235	BAS:10		70.40	--	FT/sphe/granodiorite	Banks and Stuckless, 1973
1240	BAS:10		70.60	--	FT/apat/granodiorite	Banks and Stuckless, 1973
924	BAS:14	**	35.20	--	FT/apat/granodiorite	Banks and Stuckless, 1973
1126	BAS:14		62.90	--	FT/sphe/granodiorite	Banks and Stuckless, 1973
1250	BAS:2		71.50	--	FT/apat/tonalite	Banks and Stuckless, 1973
1260	BAS:2		72.00	--	FT/zirc/tonalite	Banks and Stuckless, 1973
1133	BAS:26		63.30	--	FT/garn/granodiorite	Banks and Stuckless, 1973
1111	BAS:27	**	61.90	--	FT/apat/diabase	Banks and Stuckless, 1973
1259	BAS:3		72.00	--	FT/zirc/quartz diorite	Banks and Stuckless, 1973
1291	BAS:3		74.60	--	FT/apat/quartz diorite	Banks and Stuckless, 1973
355	BC303		15.50	--	KA/biot/granite	Anderson and others, 1972
317	BC305		14.00	--	KA/biot/granite	Anderson and others, 1972
460	BC309	**	19.10	--	KA/w.r./ash-flow tuff	Anderson and others, 1972
611	BC309	**	23.40	--	KA/sani/ash-flow tuff	Anderson and others, 1972
129	BC405		5.00	--	KA/w.r./basalt	Anderson and others, 1972
340	BC409B		15.00	--	KA/w.r./basalt	Anderson and others, 1972
277	BC412		12.30	--	KA/w.r./basalt	Anderson and others, 1972
300	BC424		13.40	--	KA/w.r./basalt	Anderson and others, 1972
83	BES-58-111		2.79	--	KA/biot/rhyodacite	Damon and others, 1974
327	BES-58-282	**	14.45	--	KA/biot/dacite tuff	Damon and others, 1964
75	BES-58-315		2.49	--	KA/biot/rhyolite	Damon and others, 1974
44	BES-58-85		1.56	--	KA/biot/granite porphyry	Damon and others, 1964
1363	BP2	**	159.00	--	FT/zirc/granite xenolith	Naeser, 1971
1386	BP2	**	227.00	--	FT/sphe/granite xenolith	Naeser, 1971
901	BP2A		32.90	--	FT/apat/granite xenolith	Naeser, 1971
878	BP2B		30.60	--	FT/apat/granite xenolith	Naeser, 1971
745	BP34		26.10	--	KA/phlo/minette	Roden and others, 1979
738	BP37		25.90	--	KA/phlo/minette	Roden and others, 1979
920	BP75		34.80	--	KA/phlo/minette	Roden and others, 1979
511	BR-16	**	20.50	--	FT/apat/granite	Creasey and others, 1977
633	BR-16	**	23.80	--	KA/biot/granite	Creasey and others, 1977
689	BR-16		25.10	--	FT/zirc/granite	Creasey and others, 1977
815	BR-16		28.10	--	FT/sphe/granite	Creasey and others, 1977
614	BR-21	**	23.50	--	FT/apat/granite	Creasey and others, 1977
629	BR-21	**	23.70	--	KA/biot/granite	Creasey and others, 1977
644	BR-21		24.00	--	KA/horn/granite	Creasey and others, 1977
852	BR-21		29.10	--	FT/zirc/granite	Creasey and others, 1977
870	BR-21		30.10	--	FT/sphe/granite	Creasey and others, 1977
782	BR2	**	27.10	--	KA/biot/quartz diorite	Keith and others, 1980
1150	BR2		64.40	--	KA/horn/quartz diorite	Keith and others, 1980
756	BR4		26.50	--	KA/phlo/minette	Roden and others, 1979
1135	C62:08	**	63.60	--	KA/biot/quartz monzonite	Creasey and Kistler, 1962
1074	C62:09		59.50	--	KA/biot/granite	Creasey and Kistler, 1962
1376	C62:1		182.00	--	SR/biot/granite	Creasey and Kistler, 1962
486	C62:10		19.90	--	KA/biot/ash-flow tuff	Creasey and Kistler, 1962
1143	C62:12		64.00	--	KA/biot/granodiorite porphyry	Creasey and Kistler, 1962
1223	C62:13		69.70	--	KA/biot/granodiorite	Creasey and Kistler, 1962
1090	C80:01		60.40	--	KA/biot/granite	Creasey, 1980
1121	C80:02		62.50	--	KA/biot/granite	Creasey, 1980
1092	C80:03		60.50	--	KA/biot/granite	Creasey, 1980
1109	C80:04		61.70	--	KA/biot/granite	Creasey, 1980
1082	C80:05		59.90	--	KA/biot/granite	Creasey, 1980
1099	C80:06		61.00	--	KA/biot/granite	Creasey, 1980
1071	C80:07		59.30	--	KA/biot/granite	Creasey, 1980
1113	C80:08		62.00	--	KA/biot/granite	Creasey, 1980
1149	C80:09		64.40	--	KA/biot/granite	Creasey, 1980
1055	C80:10		57.90	--	KA/biot/granite	Creasey, 1980
1103	C80:11		61.30	--	KA/biot/granite	Creasey, 1980
1083	C80:12		59.90	--	KA/biot/granite	Creasey, 1980
1030	C80:13		55.70	--	KA/biot/granite	Creasey, 1980
1100	C80:14		61.00	--	KA/biot/granite	Creasey, 1980
1085	C80:15		60.00	--	KA/biot/granite	Creasey, 1980

1137	C80:16	**	63.70	--	KA/biot/quartz monzonite	Creasey, 1980
1130	C80:17	**	63.10	--	KA/biot/quartz monzonite	Creasey, 1980
1181	C80:18	**	66.30	--	KA/biot/quartz monzonite	Creasey, 1980
1164	C80:19	**	65.20	--	KA/biot/quartz monzonite	Creasey, 1980
1117	C80:20	**	62.20	--	KA/biot/quartz monzonite	Creasey, 1980
1081	C80:21	**	59.90	--	KA/biot/quartz monzonite	Creasey, 1980
1064	C80:22	**	58.60	--	KA/biot/quartz monzonite	Creasey, 1980
1114	C80:23		62.00	--	KA/musc/vein	Creasey, 1980
1094	C80:24		60.80	--	KA/musc/vein	Creasey, 1980
1101	C80:25		61.00	--	KA/musc/vein	Creasey, 1980
1110	C80:26		61.80	--	KA/musc/vein	Creasey, 1980
1118	C80:27		62.40	--	KA/musc/vein	Creasey, 1980
1088	C80:28		60.20	--	KA/musc/vein	Creasey, 1980
1069	C80:29		58.90	--	KA/musc/vein	Creasey, 1980
1131	C80:30		63.10	--	KA/musc/vein	Creasey, 1980
1106	C80:31		61.60	--	KA/musc/vein	Creasey, 1980
1157	C80:32		64.70	--	KA/musc/vein	Creasey, 1980
1043	C80:33		56.90	--	KA/biot/vein	Creasey, 1980
1420	C80:34	**	822.00	--	KA/horn/diabase	Creasey, 1980
1445	C80:35		1052.00	--	KA/biot/diabase	Creasey, 1980
1450	C80:37		1068.00	--	KA/biot/diabase	Creasey, 1980
1170	C80:38	**	65.40	--	KA/biot/quartz monzonite	Creasey, 1980
1456	C80:39	**	1106.00	--	KA/biot/quartz monzonite	Creasey, 1980
1435	C80:40	**	921.00	--	KA/biot/quartz monzonite	Creasey, 1980
1432	C80:41	**	915.00	--	KA/biot/quartz monzonite	Creasey, 1980
1097	C80:42	**	60.90	--	KA/biot/quartz monzonite	Creasey, 1980
1399	C80:43	**	361.00	--	KA/biot/quartz monzonite	Creasey, 1980
1528	C80:44		1416.00	--	KA/biot/granite	Creasey, 1980
1339	C80:45	**	120.00	--	KA/biot/granodiorite	Creasey, 1980
1038	C80:46	**	56.60	--	KA/biot/granodiorite	Creasey, 1980
1412	C80:47	**	760.00	--	KA/biot/granodiorite	Creasey, 1980
1325	C80:48	**	89.70	--	KA/biot/granodiorite	Creasey, 1980
1408	C80:49	**	683.00	--	KA/biot/granodiorite	Creasey, 1980
1345	C80:50	**	129.00	--	KA/biot/granodiorite	Creasey, 1980
1628	C80:51	**	1871.00	--	KA/biot/granodiorite	Creasey, 1980
1248	C80:52	**	71.40	--	KA/biot/granodiorite	Creasey, 1980
1387	C80:53	**	235.00	--	KA/biot/granodiorite	Creasey, 1980
1402	C80:54	**	515.00	--	KA/biot/granodiorite	Creasey, 1980
1415	C80:55	**	799.00	--	KA/biot/granodiorite	Creasey, 1980
1477	C80:56	**	1272.00	--	KA/musc/aplite	Creasey, 1980
1452	C80:57	**	1074.00	--	KA/biot/aplite	Creasey, 1980
1419	C80:58	**	821.00	--	KA/biot/diorite	Creasey, 1980
1405	C80:59	**	612.00	--	KA/musc/granite	Creasey, 1980
1244	C80:60	**	71.20	--	KA/musc/granite	Creasey, 1980
1107	C80:61	**	61.60	--	KA/biot/granite	Creasey, 1980
457	C83:1		18.90	--	KA/w.r./rhyolite	Creasey and others, 1983
378	C83:2		16.30	--	KA/w.r./rhyolite	Creasey and others, 1983
415	C83:3		17.50	--	KA/w.r./rhyolite	Creasey and others, 1983
405	C83:4		17.30	--	KA/biot/tuff	Creasey and others, 1983
1209	C84:1		68.60	--	KA/biot/granodiorite	Creasey, 1984
1122	C84:2		62.50	--	KA/biot/granodiorite	Creasey, 1984
1093	C84:3		60.70	--	KA/horn/granite	Creasey, 1984
1592	CAA-2	**	1670.00	--	KA/biot/granodiorite	Marvin and Cole, 1978
1576	CAA-5	**	1610.00	--	SR/w.r./quartz monzonite	Marvin and Cole, 1978
1501	CAA-6	**	1360.00	--	KA/biot/granodiorite	Marvin and Cole, 1978
1484	CAA-8	**	1310.00	--	SR/w.r./granite	Marvin and Cole, 1978
507	CD-09		20.40	--	KA/w.r./rhyolite dike	Logan and Hirsch, 1982
459	CD-2		19.00	--	KA/plag/dacite dike	Logan and Hirsch, 1982
943	CD-3	**	39.10	--	KA/w.r./metasedimentary rock	Frost, written comm., 1986
950	CD-4	**	39.90	--	KA/w.r./metasedimentary rock	Frost, written comm., 1986
505	CD-72		20.39	--	KA/plag/basaltic andesite	Gutmann, 1981
616	CD-75		23.50	--	KA/biot/rhyolitic tuff	Gutmann, 1981
573	CD-77		22.20	--	KA/biot/rhyolite	Gutmann, 1981
688	CD-85		25.00	--	KA/biot/dacite welded tuff	Gutmann, 1981
575	CD-92		22.28	--	KA/biot/rhyolitic tuff	Gutmann, 1981
323	CD1		14.32	--	KA/w.r./basalt	McKee and Anderson, 1971
119	CD2		4.60	--	KA/w.r./basalt	McKee and Anderson, 1971
127	CD4		4.87	--	KA/w.r./basalt	McKee and Anderson, 1971
185	CD6		8.00	--	KA/w.r./basalt	McKee and Anderson, 1971
128	CD7		4.96	--	KA/w.r./basalt	McKee and Anderson, 1971
212	CH-111		9.20	--	KA/w.r./basalt	Suneson and Lucchitta, 1979
308	CH-26		13.70	--	KA/w.r./basalt-basaltic andesite	Suneson and Lucchitta, 1979
296	CH-47		13.10	--	KA/w.r./basalt	Suneson and Lucchitta, 1979
451	CH-49		18.70	--	KA/w.r./basalt	Suneson and Lucchitta, 1983
278	CH-58B		12.40	--	KA/w.r./basalt-basaltic andesite	Suneson and Lucchitta, 1979
383	CH-61		16.50	--	KA/w.r./basalt	Suneson and Lucchitta, 1979
178	CH-78		7.50	--	KA/w.r./basalt	Suneson and Lucchitta, 1979

135	CH-79	**	5.40	--	KA/plag/basalt	Suneson and Lucchitta, 1983
171	CH-92		6.80	--	KA/w.r./basalt	Suneson and Lucchitta, 1979
280	CHNE-151		12.40	--	KA/sani/rhyolite	Suneson and Lucchitta, 1979
345	CHNE-152		15.10	--	KA/sani/rhyolite	Suneson and Lucchitta, 1979
279	CHNE-153		12.40	--	KA/sani/rhyolite	Suneson and Lucchitta, 1979
309	CHNW-154		13.70	--	KA/sani/rhyolite	Suneson and Lucchitta, 1983
265	CHNW-155		11.70	--	KA/biot/rhyolite	Suneson and Lucchitta, 1979
283	CHNW-156		12.70	--	KA/sani/rhyolite	Suneson and Lucchitta, 1979
294	CHNW-159		13.10	--	KA/sani/rhyolite	Suneson and Lucchitta, 1979
251	CHSE-135A		11.30	--	KA/w.r./basalt	Suneson and Lucchitta, 1983
292	CHSE-164		13.00	--	KA/w.r./basalt	Suneson and Lucchitta, 1979
181	CHSE-166		7.70	--	KA/w.r./basalt	Suneson and Lucchitta, 1979
234	CHSW-158		10.30	--	KA/sani/rhyolite dike	Suneson and Lucchitta, 1979
615	CK:04		23.50	--	KA/sani/rhyolite tuff	Creasey and Krieger, 1978
752	CK:04		26.40	--	KA/biot/rhyolite tuff	Creasey and Krieger, 1978
749	CK:07		26.30	--	KA/sani/rhyolite tuff	Creasey and Krieger, 1978
786	CK:07		27.20	--	KA/biot/rhyolite tuff	Creasey and Krieger, 1978
792	CK:08		27.40	--	KA/biot/rhyolite tuff	Creasey and Krieger, 1978
849	CK:09		28.90	--	KA/biot/rhyolite tuff	Creasey and Krieger, 1978
817	CK:10		28.10	--	KA/biot/rhyolite dike	Creasey and Krieger, 1978
785	CK:11		27.20	--	KA/biot/andesite	Creasey and Krieger, 1978
661	CK:15		24.40	--	KA/biot/tuff	Creasey and Krieger, 1978
601	CK:16		23.10	--	KA/sani/tuff	Creasey and Krieger, 1978
703	CK:16		25.30	--	KA/biot/tuff	Creasey and Krieger, 1978
577	CMB-01-62	**	22.33	--	KA/biot/granite	Damon and Bikerman, 1964
1125	CS-01-75		62.80	--	KA/biot/vein	McKee and Koski, 1981
1120	D148-337		62.50	--	KA/seri/vein	McKee and Koski, 1981
8	D69:1	**	0.23	--	KA/w.r./basalt	Dalrymple, 1969
6	D69:2	**	0.21	--	KA/w.r./basalt	Dalrymple, 1969
1270	DEL-01-65		72.90	--	KA/biot/granodiorite	Damon and Mauger, 1966
1436	DEL-03-62	**	922.00	--	KA/orth/granite	Livingston and others, 1967
1524	DEL-03-62		1415.00	--	KA/biot/granite	Livingston and others, 1967
1539	DEL-03-62		1436.00	--	KA/plag/granite	Livingston and others, 1967
1544	DEL-03-62		1455.00	--	KA/biot/granite	Livingston and others, 1967
1571	DEL-1 TO 3		1596.00	--	SR/w.r./granite	Livingston, 1969
1547	DEL-12-65	**	1463.00	--	SR/min./quartz diorite	Livingston, 1969
1437	DEL-13-62	**	946.00	--	KA/orth/granite	Livingston and others, 1967
1511	DEL-13-62		1380.00	--	KA/biot/granite	Livingston and others, 1967
1534	DEL-13-62		1426.00	--	KA/plag/granite	Livingston and others, 1967
1561	DEL-16-65	**	1547.00	--	SR/plag/quartz diorite	Livingston, 1969
1595	DEL-9 TO 13		1693.00	--	SR/w.r./quartz diorite	Livingston, 1969
1541	DEL3 to 8-62		1439.00	--	SR/min./granite	Livingston, 1969
1549	DEL3-8	**	1468.00	--	SR/w.r./metarhyolite	Livingston, 1969
844	DH82:1		28.70	--	KA/biot/rhyodacite	Drewes, 1982
895	DH82:2		32.00	--	KA/biot/andesite	Drewes, 1982
900	DH82:3		32.70	--	KA/horn/granodiorite	Drewes, 1982
916	DH82:3		34.20	--	KA/biot/granodiorite	Drewes, 1982
734	DH82:4		25.70	--	KA/biot/rhyolite	Drewes, 1982
1493	DH85:1	**	1340.00	--	KA/musc/pegmatite	Drewes, 1985
824	DM-01-67		28.30	--	KA/biot/rhyodacite	Marjaniemi, 1968
841	DM-01-67		28.60	--	KA/biot/rhyodacite	Marjaniemi, 1968
696	DM-01-68		25.11	--	KA/sani/rhyolite	Shafiqullah and others, 1978
719	DM-02-67		25.60	--	KA/sani/rhyolite tuff	Marjaniemi, 1968
862	DM-02-68		29.61	--	KA/sani/rhyolite tuff	Shafiqullah and others, 1978
707	DM-03-67		25.40	--	KA/sani/rhyolite tuff	Marjaniemi, 1968
711	DM-03-68		25.40	--	KA/biot/rhyolite dike	Shafiqullah and others, 1978
558	DM-04-67		21.87	--	KA/sani/rhyolite	Marjaniemi, 1969
753	DM-06-67		26.42	--	KA/biot/rhyolite	Shafiqullah and others, 1978
539	DT:5	**	21.20	--	KA/k-sp/vein	DeWitt and Thorson, in press
737	E-2N		25.90	--	KA/plag/quartz latite	Banks and others, 1978a
809	ED294		27.90	--	FT/zirc/tuff	Erb, 1979
1604	EG-1	**	1700.00	--	SR/w.r./amphibolite	Reynolds, 1985
1423	EM:1	**	843.00	--	KA/w.r./basalt	Elston and McKee, 1982
1431	EM:2		913.00	--	KA/pyro/diabase	Elston and McKee, 1982
1438	EM:3		954.00	--	KA/plag/diabase	Elston and McKee, 1982
1439	EM:4	**	958.00	--	KA/biot/granite	Elston and McKee, 1982
1429	EM:AR1		904.00	--	AR/w.r./diabase	Elston and McKee, 1982
1430	EM:AR2		907.00	--	AR/pyro/diabase	Elston and McKee, 1982
622	ES:01		23.60	--	KA/w.r./basalt	Eberly and Stanley, 1978
1367	ES:04	**	164.00	--	KA/biot/ash-flow tuff	Eberly and Stanley, 1978
408	ES:05		17.40	--	KA/w.r./basalt	Eberly and Stanley, 1978
730	ES:05	**	25.70	--	KA/biot/foliated granite	Eberly and Stanley, 1978
428	ES:100		18.00	--	KA/w.r./basalt	Eberly and Stanley, 1978
618	ES:101		23.60	--	KA/biot/rhyolitic tuff	Eberly and Stanley, 1978
842	ES:102		28.70	--	KA/biot/basaltic andesite	Eberly and Stanley, 1978
89	ES:106		3.10	--	KA/w.r./basalt	Eberly and Stanley, 1978
548	ES:107		21.60	--	KA/w.r./basalt	Eberly and Stanley, 1978

729	ES:108		25.70	--	KA/w.r./basalt	Eberly and Stanley, 1978
351	ES:109		15.40	--	KA/w.r./basalt	Eberly and Stanley, 1978
864	ES:11	**	29.80	--	KA/w.r./K-rich volcanic	Eberly and Stanley, 1978
620	ES:110		23.60	--	KA/w.r./tuff	Eberly and Stanley, 1978
1313	ES:112	**	80.00	--	KA/biot/tuff	Eberly and Stanley, 1978
1382	ES:113	**	203.00	--	KA/biot/gneiss	Eberly and Stanley, 1978
1397	ES:113	**	326.00	--	KA/biot/gneiss	Eberly and Stanley, 1978
380	ES:115		16.40	--	KA/w.r./andesitic tuff	Eberly and Stanley, 1978
515	ES:115		20.50	--	KA/w.r./andesitic basalt	Eberly and Stanley, 1978
941	ES:116	**	39.00	--	KA/biot/granitic gneiss	Eberly and Stanley, 1978
1091	ES:116	**	60.50	--	KA/biot/granitic gneiss	Eberly and Stanley, 1978
728	ES:120		25.70	--	KA/w.r./rhyolitic tuff	Eberly and Stanley, 1978
444	ES:24		18.50	--	KA/w.r./basaltic andesite dike	Eberly and Stanley, 1978
973	ES:24	**	47.70	--	KA/w.r./granite	Eberly and Stanley, 1978
1470	ES:5	**	1248.00	--	SR/w.r./granite	Eberly and Stanley, 1978
516	ES:58		20.50	--	KA/w.r./basalt	Eberly and Stanley, 1978
244	ES:59		10.80	--	KA/w.r./basalt	Eberly and Stanley, 1978
619	ES:60		23.60	--	KA/w.r./basalt	Eberly and Stanley, 1978
1001	ES:60	**	52.30	--	KA/w.r./basalt	Eberly and Stanley, 1978
588	ES:61		22.60	--	KA/w.r./basalt	Eberly and Stanley, 1978
965	ES:61	**	45.10	--	KA/w.r./basaltic andesite	Eberly and Stanley, 1978
586	ES:62	**	22.60	--	KA/w.r./K-rich volcanic	Eberly and Stanley, 1978
514	ES:63		20.50	--	KA/w.r./basalt	Eberly and Stanley, 1978
350	ES:64		15.40	--	KA/w.r./basalt	Eberly and Stanley, 1978
587	ES:84	**	22.60	--	KA/w.r./basalt	Eberly and Stanley, 1978
547	ES:85		21.60	--	KA/w.r./basalt	Eberly and Stanley, 1978
299	ES:86		13.30	--	KA/w.r./basalt	Eberly and Stanley, 1978
981	ES:87	**	49.20	--	KA/biot/tuff	Eberly and Stanley, 1978
517	ES:89	**	20.50	--	KA/w.r./basalt	Eberly and Stanley, 1978
513	ES:90		20.50	--	KA/biot/andesite	Eberly and Stanley, 1978
667	ES:91		24.60	--	KA/biot/rhyolitic tuff	Eberly and Stanley, 1978
1242	ES:94		70.80	--	KA/biot/granodiorite	Eberly and Stanley, 1978
1284	ES:96	**	73.80	--	KA/biot/basalt	Eberly and Stanley, 1978
161	ES:97		6.20	--	KA/w.r./basalt	Eberly and Stanley, 1978
1440	ES:98	**	994.00	--	KA/biot/granite	Eberly and Stanley, 1978
803	ES:99		27.70	--	KA/w.r./rhyolite tuff	Eberly and Stanley, 1978
312	F-1		13.80	--	KA/w.r./andesite	Woodward-McNeill, 1974
199	F-1966		8.60	--	KA/k-sp/rhyolite	Merrill and Pewe, 1977
223	F78-113		9.80	--	KA/horn/rhyodacite	Goff and others, 1983
519	F78-59	**	20.50	--	KA/biot/dacite	Goff and others, 1983
313	F78-64		13.80	--	KA/w.r./andesite	Goff and others, 1983
659	F78-72		24.30	--	KA/biot/latite	Goff and others, 1983
565	F78-85		22.00	--	KA/w.r./basalt dike	Goff and others, 1983
578	F78-88		22.40	--	KA/biot/andesite	Goff and others, 1983
759	FR3		26.60	--	KA/phlo/minette	Roden and others, 1979
197	FT-5		8.50	--	KA/w.r./basalt	Simmons, 1986
1627	FTD1A	**	1815.00	--	FT/zirc/quartzite	Naeser, 1971
1629	FTD1B	**	2124.00	--	FT/zirc/quartzite	Naeser, 1971
1212	G-B1652		68.80	--	KA/biot/quartz monzonite porphyry	Johnston, 1972
1217	G-B1653		69.00	--	KA/biot/quartz monzonite porphyry	Johnston, 1972
1216	G-B1654		69.00	--	KA/biot/quartz monzonite	Johnston, 1972
1175	G-M1655		65.80	--	KA/seri/quartz monzonite porphyry	Johnston, 1972
1293	G2-2		75.00	--	KA/seri/vein	Anaconda, unpub. data
326	G85:1		14.40	--	KA/w.r./basaltic andesite	Gray and others, 1985
555	G85:2		21.80	--	KA/biot/andesite	Gray and others, 1985
566	G85:2		22.00	--	KA/biot/andesite	Gray and others, 1985
635	G85:3		23.80	--	KA/biot/andesite	Gray and others, 1985
1520	G85:4		1400.00	--	KA/amph/pegmatite	Gray and others, 1985
1264	GB-01		72.30	--	KA/horn/rhyodacite porphyry	McKee and Koski, 1981
1625	GD-2,-3,-5		1762.00	--	SR/w.r./granodiorite gneiss	Kessler, 1976
1475	GD61:3	**	1272.00	--	SR/biot/granite	Giletti and Damon, 1961
469	GGN-S1	**	19.30	--	FT/apat/granite	Creasey and others, 1977
608	GGN-S1	**	23.30	--	KA/biot/granite	Creasey and others, 1977
670	GGN-S1	**	24.70	--	KA/musc/granite	Creasey and others, 1977
898	GH-46A	**	32.30	--	KA/biot/orthogneiss	Haxel and others, 1984
1073	GH-46B		59.40	--	KA/horn/orthogneiss	Haxel and others, 1984
1608	GR-,TFBRC		1710.00	--	PB/zirc/rhyolite breccia & tuff	Ludwig, 1974
825	GR-MY-1	**	28.30	--	KA/w.r./ultramylonite	Shafiqullah and others, 1980
902	GR2		33.20	--	FT/zirc/amphibolite xenolith	Naeser, 1971
919	GR2		34.70	--	FT/apat/amphibolite xenolith	Naeser, 1971
879	GR3		30.90	--	FT/apat/granite xenolith	Naeser, 1971
1406	GR3	**	639.00	--	FT/sphe/granite xenolith	Naeser, 1971
877	GR4		30.60	--	FT/apat/quartz monzonite xenolith	Naeser, 1971
1400	GR4	**	387.00	--	FT/sphe/quartz monzonite xenolith	Naeser, 1971
1409	GR4	**	711.00	--	FT/zirc/quartz monzonite xenolith	Naeser, 1971
1139	H7-1		63.70	--	KA/k-sp/rhyolite dike	Anaconda, unpub. data
625	H85:A		23.60	--	KA/w.r./andesite	Houser and others, 1985

761	H85:B		26.60	-- KA/w.r./andesite	Houser and others, 1985
741	H85:C		25.90	-- KA/horn/dacite	Houser and others, 1985
665	H85:D		24.50	-- KA/biot/rhyolite	Houser and others, 1985
724	H85:D		25.60	-- KA/plag/rhyolite	Houser and others, 1985
1202	H85:E		67.60	-- KA/horn/rhyolite	Houser and others, 1985
144	HB1		5.70	-- FT/apat/gabbro xenolith	Naeser, 1971
65	HB2		2.17	-- FT/sphe/granodiorite xenolith	Naeser, 1971
1353	HH-443	**	144.00	-- SR/w.r./welded tuff	Marvin and others, 1973
570	HLA-2	**	22.10	-- KA/biot/diorite dike	Shafiqullah and others, 1980
840	HLA-2	**	28.60	-- KA/horn/diorite dike	Shafiqullah and others, 1980
1323	HP5	**	87.60	-- FT/apat/granite	Naeser, 1971
1529	HP5		1418.00	-- FT/sphe/granite	Naeser, 1971
1156	HVR-1	**	64.60	-- KA/musc/mica schist	Shafiqullah and others, 1980
961	HVR-2	**	44.10	-- KA/biot/granite	Shafiqullah and others, 1980
179	IL-CH-77-8		7.50	-- KA/w.r./basalt	Suneson and Lucchitta, 1979
411	IM-83-1		17.40	-- KA/w.r./basalt	Haman, 1985
1489	JD-2 TO 7		1333.00	-- SR/w.r./gneissic granite	Swan, 1976
971	JKP-01-67	**	47.50	-- KA/plag/andesite porphyry dike	Percious, 1968
636	JKP-02-68		23.85	-- KA/w.r./basaltic andesite	Shafiqullah and others, 1978
774	JKP-09-67		26.94	-- KA/plag/andesite porphyry	Percious, 1968
796	JKP-09-67		27.60	-- KA/w.r./andesite porphyry	Percious, 1968
810	JKP-09-67		27.98	-- KA/plag/andesite porphyry	Percious, 1968
649	JKP-10-67		24.10	-- KA/w.r./basaltic andesite	Percious, 1968
712	JKP-49-66		25.42	-- KA/w.r./basaltic andesite	Percious, 1968
656	JKP-50-66		24.26	-- KA/w.r./basaltic andesite	Percious, 1968
699	JKP-68-66		25.22	-- KA/sani/basaltic andesite	Percious, 1968
150	JSL-21-70		5.88	-- KA/w.r./basalt	Leventhal, 1972
16	JSL-72-12		0.58	-- KA/w.r./basalt	Leventhal, 1972
15	JSL-72-8		0.53	-- KA/w.r./basalt	Leventhal, 1972
1372	K-151	**	169.00	-- PB/uran/mineralization	Miller and Kulp, 1963
1321	K-168	**	86.00	-- PB/uran/mineralization	Miller and Kulp, 1963
1342	K-178	**	127.00	-- PB/uran/mineralization	Miller and Kulp, 1963
1329	K-183A	**	97.00	-- PB/uran/mineralization	Miller and Kulp, 1963
1364	K-183B	**	160.00	-- PB/uran/mineralization	Miller and Kulp, 1963
346	K2		15.20	-- KA/biot/latite	McKee and Anderson, 1971
342	K3		15.00	-- KA/biot/latite	McKee and Anderson, 1971
783	K80:05	**	27.10	-- KA/biot/quartz diorite	Keith and others, 1980
940	K80:05	**	38.40	-- KA/horn/quartz diorite	Keith and others, 1980
677	K80:24	**	24.90	-- KA/w.r./quartz diorite inclusion	Keith and others, 1980
932	K80:30	**	36.70	-- KA/horn/quartz diorite	Keith and others, 1980
897	K80:45	**	32.20	-- KA/biot/quartz diorite	Keith and others, 1980
860	K80:51	**	29.60	-- KA/biot/quartz diorite	Keith and others, 1980
850	K80:52	**	28.90	-- KA/biot/quartz diorite	Keith and others, 1980
833	K80:69	**	28.50	-- KA/biot/quartz diorite	Keith and others, 1980
114	KA-1027		4.20	-- KA/w.r./basalt	Evernden and others, 1964
964	KA-1235	**	44.70	-- KA/w.r./basalt	Gassaway, 1977
440	KA-1236		18.38	-- KA/biot/rhyolite	Gassaway, 1977
959	KA-1237	**	42.60	-- KA/biot/andesite	Gassaway, 1977
567	KA-71-41		22.06	-- KA/horn/quartz diorite	Balla, 1972
985	KA-71-42	**	49.80	-- KA/biot/granite	Balla, 1972
1280	KA-71-43		73.50	-- KA/biot/quartz diorite	Balla, 1972
530	KA-71-44	**	20.86	-- KA/biot/granite	Balla, 1972
1504	KA-71-63		1361.00	-- KA/biot/granite	Balla, 1972
1262	KA-71-64		72.10	-- KA/biot/quartz monzonite	Balla, 1972
1177	KA-71-65		66.00	-- KA/biot/granite	Balla, 1972
1141	KA-71-66		63.90	-- KA/horn/granite	Balla, 1972
1472	KA-71-68	**	1253.00	-- KA/biot/granite	Balla, 1972
1279	KA-71-69		73.40	-- KA/biot/monzonite	Balla, 1972
1426	KA-71-70	**	870.00	-- KA/musc/granite	Balla, 1972
1425	KA-71-71	**	854.00	-- KA/w.r./diabase	Balla, 1972
1365	KA-71-72	**	162.00	-- KA/biot/quartz monzonite	Balla, 1972
1127	KA-71-73		62.90	-- KA/biot/granite	Balla, 1972
742	KA-71-74		26.00	-- KA/phlo/ash-flow tuff	Balla, 1972
1495	KA-71-75	**	1341.00	-- KA/biot/granite	Balla, 1972
709	KA2533		25.40	-- KA/w.r./andesite dike	Hankins, 1984
484	KA2535		19.80	-- KA/plag/dacite dike	Hankins, 1984
562	KA2560		21.90	-- KA/plag/volcanic breccia	Hankins, 1984
1136	L-843		63.60	-- KA/biot/quartz monzonite	McDowell, 1971
1142	L-843		63.90	-- KA/biot/quartz monzonite	McDowell, 1971
1165	L-843		65.20	-- KA/biot/quartz monzonite	McDowell, 1971
480	L-844		19.60	-- KA/biot/granite	McDowell, 1971
495	L-844		20.10	-- KA/horn/granite	McDowell, 1971
1068	L-846		58.90	-- KA/biot/granite	McDowell, 1971
1129	L-847		63.00	-- KA/horn/diorite porphyry	McDowell, 1971
1161	L-847		64.80	-- KA/horn/diorite porphyry	McDowell, 1971
1095	L-850		60.80	-- KA/biot/quartz monzonite	McDowell, 1971
1036	L-976		56.50	-- KA/biot/monzonite	McDowell, 1971

1581	L312		1625.00	--	PB/zirc/granodiorite	Silver and Deutsch, 1963
1569	L68:A	**	1576.00	--	SR/w.r./rhyolite	Lanphere, 1968
1553	L68:C	**	1493.00	--	SR/w.r./volcanics	Lanphere, 1968
1554	L68:C,D,E	**	1498.00	--	SR/w.r./volcanics	Lanphere, 1968
1560	L68:D	**	1547.00	--	SR/w.r./volcanics	Lanphere, 1968
1573	L68:D	**	1605.00	--	SR/w.r./volcanics	Lanphere, 1968
1478	L68:E	**	1282.00	--	SR/w.r./volcanics	Lanphere, 1968
1594	L68:F	**	1692.00	--	KA/horn/quartz diorite	Lanphere, 1968
1601	L68:F	**	1697.00	--	KA/biot/quartz diorite	Lanphere, 1968
1579	L68:G	**	1620.00	--	KA/horn/quartz diorite	Lanphere, 1968
1585	L68:G	**	1635.00	--	KA/horn/quartz diorite	Lanphere, 1968
1599	L68:G	**	1696.00	--	KA/biot/quartz diorite	Lanphere, 1968
133	LDA-01-66		5.35	--	KA/glas/air-fall tuff	Scarborough, 1975
1179	LHA-1	**	66.00	--	KA/biot/porphyritic granite	Shafiqullah and others, 1980
1195	M-3429		67.20	--	KA/musc/granite	Stauffer, 1979
1379	M65:1	**	191.00	--	PB/gale/mineralization	Mauger and others, 1965
686	M73:01		25.00	--	KA/biot/andesite dike	Marvin and others, 1973
776	M73:02		27.00	--	KA/biot/kersantite	Marvin and others, 1973
935	M73:03	**	36.90	--	KA/biot/granodiorite	Marvin and others, 1973
970	M73:04	**	47.20	--	KA/biot/granodiorite	Marvin and others, 1973
977	M73:05	**	48.20	--	KA/k-sp/alteration	Marvin and others, 1973
978	M73:06	**	48.20	--	KA/k-sp/diorite	Marvin and others, 1973
1049	M73:07		57.40	--	KA/biot/quartz monzonite porphyry	Marvin and others, 1973
1050	M73:08		57.40	--	KA/biot/rhyolite tuff	Marvin and others, 1973
1051	M73:09		57.50	--	KA/k-sp/vein	Marvin and others, 1973
1105	M73:09		61.50	--	KA/biot/vein	Marvin and others, 1973
1132	M73:10		63.10	--	KA/biot/granodiorite	Marvin and others, 1973
889	M73:100		31.70	--	KA/biot/granite	Marvin and others, 1973
1035	M73:11	**	56.40	--	KA/biot/granite	Marvin and others, 1973
954	M73:13	**	41.00	--	KA/biot/quartz monzonite	Marvin and others, 1973
758	M73:15		26.50	--	KA/sani/rhyolite dike	Marvin and others, 1973
769	M73:16		26.90	--	KA/plag/rhyodacite vitrophyre	Marvin and others, 1973
764	M73:17		26.70	--	KA/biot/latite vitrophyre	Marvin and others, 1973
805	M73:17		27.70	--	KA/horn/latite vitrophyre	Marvin and others, 1973
822	M73:18		28.30	--	KA/biot/granodiorite	Marvin and others, 1973
831	M73:19		28.50	--	KA/horn/rhyodacite	Marvin and others, 1973
1012	M73:21		53.30	--	KA/biot/granodiorite	Marvin and others, 1973
1021	M73:21		54.80	--	KA/biot/granodiorite	Marvin and others, 1973
1027	M73:22		55.20	--	KA/biot/quartz latite porphyry	Marvin and others, 1973
1045	M73:23		57.00	--	KA/biot/quartz latite porphyry	Marvin and others, 1973
1046	M73:24		57.10	--	KA/biot/quartz latite porphyry	Marvin and others, 1973
1053	M73:25		57.60	--	KA/biot/quartz latite porphyry	Marvin and others, 1973
1104	M73:27		61.30	--	KA/horn/dacite porphyry	Marvin and others, 1973
1116	M73:28		62.00	--	KA/biot/microgranodiorite	Marvin and others, 1973
1211	M73:30		68.70	--	KA/biot/diorite	Marvin and others, 1973
1215	M73:32		69.00	--	KA/horn/dacite porphyry	Marvin and others, 1973
1225	M73:33		69.90	--	KA/biot/quartz monzonite	Marvin and others, 1973
1243	M73:34		70.80	--	KA/biot/quartz monzonite	Marvin and others, 1973
1288	M73:35		74.30	--	KA/biot/rhyodacite welded tuff	Marvin and others, 1973
1294	M73:36		75.30	--	KA/biot/quartz diorite	Marvin and others, 1973
1295	M73:37		75.50	--	KA/biot/quartz monzonite	Marvin and others, 1973
1356	M73:38		148.00	--	KA/biot/granite	Marvin and others, 1973
1366	M73:40	**	163.00	--	KA/biot/granodiorite	Marvin and others, 1973
1042	M73:48	**	56.90	--	KA/biot/granodiorite	Marvin and others, 1973
287	M73:50		12.90	--	KA/w.r./olivine basalt	Marvin and others, 1973
621	M73:51		23.60	--	KA/biot/rhyolite tuff	Marvin and others, 1973
804	M73:51		27.70	--	KA/horn/rhyolite tuff	Marvin and others, 1973
763	M73:52		26.70	--	KA/biot/rhyolite tuff	Marvin and others, 1973
1075	M73:53		59.50	--	KA/biot/granodiorite	Marvin and others, 1973
1076	M73:53		59.50	--	KA/horn/granodiorite	Marvin and others, 1973
1077	M73:54		59.50	--	KA/biot/quartz monzonite	Marvin and others, 1973
1362	M73:56	**	157.00	--	KA/horn/tuff	Marvin and others, 1973
1368	M73:57		164.00	--	KA/biot/quartz monzonite	Marvin and others, 1973
1371	M73:57		168.00	--	KA/horn/quartz monzonite	Marvin and others, 1973
1369	M73:63		167.00	--	KA/biot/quartz monzonite	Marvin and others, 1973
1354	M73:65		147.00	--	KA/biot/welded tuff	Marvin and others, 1973
1285	M73:67		73.90	--	KA/biot/welded tuff	Marvin and others, 1973
1275	M73:68		73.00	--	KA/biot/latitic tuff	Marvin and others, 1973
1373	M73:69		169.00	--	KA/biot/welded tuff	Marvin and others, 1973
1375	M73:70		177.00	--	KA/biot/rhyolitic tuff	Marvin and others, 1973
949	M73:71		39.80	--	KA/biot/rhyolite tuff	Marvin and others, 1973
843	M73:73		28.70	--	KA/biot/dacite	Marvin and others, 1973
1258	M73:74		71.90	--	KA/biot/quartz monzonite	Marvin and others, 1973
1302	M73:79		76.00	--	KA/biot/granodiorite	Marvin and others, 1973
1303	M73:79		76.00	--	KA/horn/granodiorite	Marvin and others, 1973
651	M73:80	**	24.10	--	KA/biot/quartz monzonite	Marvin and others, 1973
708	M73:80	**	25.40	--	KA/musc/quartz monzonite	Marvin and others, 1973

770	M73:81		26.90	-- KA/biot/granodiorite	Marvin and others, 1973
812	M73:82		28.00	-- KA/biot/granodiorite	Marvin and others, 1973
937	M73:83	**	37.70	-- KA/musc/pegmatite	Marvin and others, 1973
853	M73:84	**	29.10	-- KA/biot/schist	Marvin and others, 1973
859	M73:85	**	29.60	-- KA/musc/schist	Marvin and others, 1973
918	M73:85	**	34.60	-- KA/biot/schist	Marvin and others, 1973
1562	M73:86		1550.00	-- KA/biot/quartz monzonite	Marvin and others, 1973
1545	M73:87		1460.00	-- KA/biot/granite	Marvin and others, 1973
1567	M73:87		1570.00	-- KA/horn/granite	Marvin and others, 1973
994	M73:88	**	51.10	-- KA/biot/quartz monzonite	Marvin and others, 1973
1011	M73:88		53.30	-- KA/biot/quartz monzonite	Marvin and others, 1973
653	M73:89		24.10	-- KA/biot/granite	Marvin and others, 1973
777	M73:90		27.00	-- KA/biot/granite	Marvin and others, 1973
912	M73:91		33.90	-- KA/horn/andesite	Marvin and others, 1973
976	M73:92	**	48.00	-- KA/biot/quartz latite tuff	Marvin and others, 1973
1290	M73:93		74.50	-- KA/biot/welded tuff	Marvin and others, 1973
1377	M73:94		183.00	-- KA/musc/quartz monzonite	Marvin and others, 1973
1178	M73:95		66.00	-- KA/biot/rhyolite intrusion	Marvin and others, 1973
1281	M73:96		73.50	-- KA/biot/rhyodacite tuff	Marvin and others, 1973
1301	M73:97		76.00	-- KA/biot/granodiorite	Marvin and others, 1973
1374	M73:98		171.00	-- KA/biot/granite	Marvin and others, 1973
887	M73:99		31.50	-- KA/biot/granodiorite	Marvin and others, 1973
362	M76:15		15.82	-- KA/horn/quartz latite intrusion	Theodore and others, 1978
409	M76:15		17.40	-- KA/biot/quartz latite intrusion	Theodore and other, 1978
560	M78:101	**	21.90	-- KA/biot/quartz monzonite	Marvin and others, 1978
923	M78:101	**	35.10	-- KA/musc/quartz monzonite	Marvin and others, 1978
966	M78:102		45.80	-- KA/musc/quartz monzonite	Marvin and others, 1978
88	M78:123		3.10	-- FT/zirc/ash	Tahirkheli and Naeser, 1975
837	M78:33		28.60	-- FT/zirc/dacite porphyry	Marvin and others, 1978
1257	MB-01-62		71.90	-- KA/k-sp/rhyolite ash-flow tuff	Bikerman and Damon, 1966
1246	MB-01-64		71.40	-- KA/biot/ash-flow tuff	Bikerman, 1967
1273	MB-01-64		73.00	-- KA/biot/ash-flow tuff	Bikerman, 1967
1237	MB-01-65		70.40	-- KA/biot/ash-flow tuff	Bikerman, 1967
832	MB-02-62		28.50	-- KA/biot/andesite	Bikerman and Damon, 1966
1185	MB-02-65	**	66.70	-- KA/w.r./andesite	Bikerman, 1967
291	MB-02-67		12.96	-- KA/sani/ash-flow tuff	Bikerman, 1967
1182	MB-03-62		66.40	-- KA/k-sp/rhyolite ash-flow tuff	Bikerman and Damon, 1966
290	MB-03-64		12.93	-- KA/sani/ash-flow tuff	Bikerman, 1967
322	MB-03-64		14.25	-- KA/sani/ash-flow tuff	Bikerman, 1967
1300	MB-05-64		76.00	-- KA/biot/ash-flow tuff	Bikerman, 1967
639	MB-06-64		23.91	-- KA/w.r./basaltic andesite	Bikerman, 1967
247	MB-07-64		10.99	-- KA/w.r./basalt	Bikerman, 1967
922	MB-09-64		34.90	-- KA/plag/granodiorite	Bikerman, 1967
1230	MB-10-64		70.30	-- KA/biot/granodiorite	Bikerman, 1967
647	MB-12-64		24.08	-- KA/w.r./basaltic andesite	Bikerman, 1967
335	MB-13-64		14.74	-- KA/w.r./basaltic andesite	Bikerman, 1967
1231	MB-14-64		70.30	-- KA/biot/ash-flow tuff	Bikerman, 1967
1255	MB-14-64		71.70	-- KA/biot/ash-flow tuff	Bikerman, 1967
1189	MB-15-64		66.90	-- KA/plag/ash-flow tuff	Bikerman, 1967
1236	MB-15-64		70.40	-- KA/sani/ash-flow tuff	Bikerman, 1967
1283	MB-15-64		73.80	-- KA/biot/ash-flow tuff	Bikerman, 1967
1287	MB-15-64		74.20	-- KA/biot/ash-flow tuff	Bikerman, 1967
1335	MB-16-64		111.00	-- KA/w.r./andesite	Bikerman, 1967
224	MB-17-64		9.86	-- KA/w.r./basalt dike	Bikerman, 1967
1483	MG-6,-8,-12	**	1309.00	-- SR/w.r./granite	Kessler, 1976
187	MHS-8		8.00	-- KA/w.r./rhyolite	Simmons, 1986
396	ML-105	**	17.00	-- FT/apat/quartz monzonite	Creasey and others, 1977
545	ML-60	**	21.40	-- FT/apat/mafic inclusion	Creasey and others, 1977
650	ML-60	**	24.10	-- KA/biot/mafic inclusion	Creasey and others, 1977
846	ML-60	**	28.80	-- FT/sphe/mafic inclusion	Creasey and others, 1977
934	ML-60	**	36.80	-- KA/horn/mafic inclusion	Creasey and others, 1977
531	ML-61	**	20.90	-- FT/apat/granite	Creasey and others, 1977
599	ML-61	**	22.90	-- KA/horn/granite	Creasey and others, 1977
668	ML-61		24.60	-- KA/biot/granite	Creasey and others, 1977
781	ML-61		27.10	-- FT/zirc/granite	Creasey and others, 1977
827	ML-61		28.40	-- FT/sphe/granite	Creasey and others, 1977
307	MM1		13.70	-- KA/w.r./basalt	McKee and Anderson, 1971
268	MM2		11.90	-- KA/w.r./basalt	McKee and Anderson, 1971
272	MM:1A	**	12.10	-- KA/w.r./basalt	McKee and McKee, 1972
189	MM:2A		8.15	-- KA/w.r./basalt	McKee and McKee, 1972
628	MM:2B		23.70	-- KA/w.r./latite cobble	McKee and McKee, 1972
233	MM:2C		10.30	-- KA/w.r./basalt cobble	McKee and McKee, 1972
286	MM:2D		12.87	-- KA/w.r./basalt cobble	McKee and McKee, 1972
281	MM:2E		12.50	-- KA/w.r./basalt cobble	McKee and McKee, 1972
256	MM:3A		11.40	-- KA/w.r./basalt	McKee and McKee, 1972
334	MM:3B		14.70	-- KA/w.r./basalt	McKee and McKee, 1972
174	MM:4A		7.03	-- KA/w.r./basalt	McKee and McKee, 1972

324	MM:4B		14.40	-- KA/w.r./basalt	McKee and McKee, 1972
241	MP-1	**	10.70	-- KA/biot/quartz monzonite porphyry	Thorson, 1971
198	MSMF		8.60	-- KA/w.r./basalt	Suneson and Lucchitta, 1983
314	MU2		13.90	-- KA/w.r./basalt	McKee and Anderson, 1971
196	MWC-55-74		8.50	-- KA/w.r./basalt	Marvin and Dobson, 1979
289	MWC-56-74		12.90	-- KA/w.r./basalt	Marvin and Dobson, 1979
458	MY1		18.92	-- KA/horn/latite	McKee and Anderson, 1971
303	MY5		13.47	-- KA/w.r./basalt	McKee and Anderson, 1971
240	MY6		10.70	-- KA/w.r./basalt	McKee and Anderson, 1971
255	MY7		11.35	-- KA/w.r./basalt	McKee and Anderson, 1971
235	MY8		10.40	-- KA/w.r./basalt	McKee and Anderson, 1971
485	N240	**	19.90	-- KA/phlo/minette dike	Roden and others, 1979
676	N255		24.90	-- KA/phlo/minette	Roden and others, 1979
1089	N82:1		60.30	-- KA/ /latite-dacite	Nason and others, 1982
1032	N82:2		55.80	-- KA/ /andesite	Nason and others, 1982
149	N82:3		5.86	-- KA/ /basalt	Nason and others, 1982
813	NP-1A		28.00	-- KA/ /basaltic andesite	Strangway and others, 1976
448	NS-06-95		18.60	-- KA/horn/trachybasalt	Wilkins and Heidrick, 1982
424	NS-08-262	**	17.90	-- KA/feld/gneiss	Wilkins and Heidrick, 1982
802	NS-11		27.67	-- KA/biot/rhyolite tuff	Wilkins and Heidrick, 1982
535	OHB		21.00	-- KA/w.r./basalt	Jennison, 1976
1023	OP-799		54.90	-- KA/mica/ultramylonite	Haxel and others, 1984
1026	OP-799		55.00	-- KA/mica/ultramylonite	Haxel and others, 1984
1066	OP-799A		58.60	-- KA/biot/ultramylonite	Haxel and others, 1984
1017	OP-799B		54.50	-- KA/biot/ultramylonite	Haxel and others, 1984
1061	OP-799E		58.30	-- KA/w.r./ultramylonite	Haxel and others, 1984
1062	OP-799E		58.30	-- KA/w.r./ultramylonite	Haxel and others, 1984
1084	OP-799H		59.90	-- KA/biot/ultramylonite	Haxel and others, 1984
1079	OP-799I-1		59.70	-- KA/biot/mylonite gneiss	Haxel and others, 1984
1453	P-1,-3,-10	**	1077.00	-- SR/w.r./pegmatite	Kessler, 1976
17	PA-1		0.58	-- KA/w.r./basanite	Bernatowicz, 1981
49	PA-10		1.70	-- KA/w.r./mantle xenolith	Bernatowicz, 1981
4	PA-12		0.05	-- KA/w.r./mantle xenolith	Bernatowicz, 1981
271	PA-65G		12.00	-- KA/w.r./mantle xenolith	Bernatowicz, 1981
164	PA2		6.26	-- KA/w.r./basalt	McKee and Anderson, 1971
120	PA3		4.60	-- KA/w.r./basalt	McKee and Anderson, 1971
748	PC-1B		26.20	-- KA/ /volcanic rock	Strangway and others, 1976
1479	PDP-1-67	**	1282.00	-- SR/w.r./schist	Pushkar and Damon, 1974
1487	PED 17-57	**	1322.00	-- SR/biot/granite	Giletti and Damon, 1961
989	PED-01-58	**	50.30	-- KA/biot/granite	Damon and others, 1963a
302	PED-01-62	**	13.42	-- KA/feld/air-fall tuff	Bikerman and Damon, 1966
793	PED-01-62B		27.40	-- KA/feld/air-fall tuff	Bikerman and Damon, 1966
835	PED-01-63		28.52	-- KA/biot/andesite	Damon and Bikerman, 1964
690	PED-01-64		25.10	-- KA/biot/dacite	Bikerman and Damon, 1966
791	PED-01-68	**	27.40	-- SR/min./quartz diorite	Damon and others, 1969
873	PED-01-68	**	30.20	-- KA/biot/quartz diorite	Damon and others, 1969
1535	PED-02-58		1430.00	-- KA/biot/granite	Damon and others, 1962
1591	PED-02-59		1665.00	-- KA/biot/quartz diorite	Damon and others, 1962
816	PED-02-62	**	28.10	-- KA/biot/granite	Damon and Bikerman, 1964
1160	PED-02-63	**	64.80	-- KA/biot/quartz monzonite	Mauger and others, 1965
1533	PED-03-58		1425.00	-- KA/musc/pegmatite	Damon and others, 1962
1577	PED-03-59		1611.00	-- KA/musc/pegmatite	Livingston, 1969
1193	PED-03-63		67.10	-- KA/biot/quartz monzonite	Mauger and others, 1965
1274	PED-03-64		73.00	-- KA/biot/granite	Bikerman and Damon, 1966
773	PED-03-69		26.92	-- KA/plag/andesite porphyry	Shafiqullah and others, 1978
757	PED-04-58	**	26.50	-- KA/musc/gneissic granite	Mauger and others, 1968
402	PED-04-59	**	17.17	-- KA/biot/ash-flow tuff	Damon and others, 1962
506	PED-04-62		20.40	-- KA/biot/ash-flow tuff	Damon and Bikerman, 1964
1140	PED-04-64		63.80	-- KA/plag/quartz monzonite	Damon and Mauger, 1966
706	PED-04A-58	**	25.40	-- KA/biot/gneissic granite	Livingston and others, 1967
872	PED-04A-58	**	30.20	-- KA/musc/gneissic granite	Mauger and others, 1968
1070	PED-05-59		59.10	-- KA/biot/granite	Livingston and others, 1967
1292	PED-05-59		74.60	-- KA/orth/granite	Livingston and others, 1967
1392	PED-05-59	**	304.00	-- KA/plag/granite	Livingston and others, 1967
36	PED-05-65		1.18	-- KA/w.r./basalt	McKee and others, 1968
1096	PED-06-63	**	60.90	-- KA/sani/rhyolite ash-flow tuff	Mauger and others, 1965
992	PED-06-64	**	50.90	-- KA/biot/quartz monzonite	Livingston and others, 1967
997	PED-06-64	**	51.70	-- KA/biot/quartz monzonite	Livingston and others, 1967
1014	PED-06-64		53.60	-- KA/musc/quartz monzonite	Livingston and others, 1967
73	PED-06-65		2.43	-- KA/w.r./olivine basalt	Damon and others, 1974
230	PED-06-65P	**	10.14	-- KA/plag/basalt	Damon and others, 1967
118	PED-06-66	**	4.46	-- KA/plag/camptonite dike	Damon and others, 1967
132	PED-06-66	**	5.35	-- KA/kaer/camptonite dike	Damon and others, 1967
154	PED-06-66	**	5.98	-- KA/w.r./camptonite dike	Damon and others, 1967
217	PED-06-66	**	9.53	-- KA/w.r./camptonite dike	Damon and others, 1967
1523	PED-07-57		1415.00	-- KA/musc/pegmatite	Damon and others, 1962
857	PED-07-65		29.47	-- KA/biot/tuff	Shafiqullah and others, 1978

55	PED-07-67		1.89	--	KA/w.r./basalt	Damon and others, 1974
92	PED-07-70		3.13	--	KA/w.r./basalt dike	Damon and others, 1974
751	PED-07B-63		26.40	--	KA/sani/ash-flow tuff	Bikerman and Damon, 1966
1086	PED-08-62		60.10	--	KA/biot/granodiorite	Damon and others, 1964
498	PED-08-63	**	20.30	--	KA/w.r./basaltic andesite	Bikerman and Damon, 1966
401	PED-08-65		17.15	--	KA/sani/ash-flow tuff	Damon and others, 1966
412	PED-08-65		17.45	--	KA/sani/ash-flow tuff	Damon and others, 1966
858	PED-08-69		29.59	--	KA/biot/granite	Shafiqullah and others, 1978
784	PED-09-62		27.13	--	KA/biot/ash-flow tuff	Damon and Bikerman, 1964
946	PED-09-63		39.40	--	KA/biot/andesite	Bikerman and Damon, 1966
61	PED-09-65		2.05	--	KA/w.r./basalt	Damon and others, 1965
929	PED-09-69		36.10	--	KA/horn/andesite	Damon and others, 1970
675	PED-09-70		24.85	--	KA/w.r./basalt	Shafiqullah and others, 1978
998	PED-1-60	**	52.00	--	PB/gale/mineralization	Mauger and others, 1965
736	PED-10-62		25.83	--	KA/biot/ash-flow tuff	Damon and Bikerman, 1964
697	PED-10-63		25.20	--	KA/biot/tuff	Bikerman and Damon, 1966
768	PED-10-70		26.71	--	KA/sani/ash-flow tuff	Shafiqullah and others, 1978
1473	PED-11-57	**	1255.00	--	KA/biot/schist	Damon and others, 1962
1502	PED-11-57	**	1361.00	--	SR/biot/schist	Giletti and Damon, 1961
881	PED-11-60	**	31.00	--	KA/orth/quartz monzonite	Livingston and others, 1967
982	PED-11-60	**	49.50	--	KA/biot/quartz monzonite	Livingston and others, 1967
984	PED-11-60	**	49.60	--	KA/musc/quartz monzonite	Livingston and others, 1967
1028	PED-11-60		55.40	--	KA/musc/quartz monzonite	Livingston and others, 1967
1238	PED-11-60	**	70.40	--	KA/plag/quartz monzonite	Livingston and others, 1967
1289	PED-11-63		74.50	--	KA/biot/granite	Bikerman and Damon, 1966
239	PED-11-64		10.64	--	KA/w.r./basalt	Damon and others, 1967
808	PED-11-70		27.84	--	KA/sani/ash-flow tuff	Shafiqullah and others, 1978
1298	PED-12-61		75.80	--	KA/biot/ash-flow tuff	Bikerman, 1967
389	PED-12-62A	**	16.60	--	KA/sani/rhyolite tuff	Damon and Bikerman, 1964
788	PED-12-62A		27.25	--	KA/sani/rhyolite tuff	Marjaniemi, 1969
672	PED-12-62B		24.70	--	KA/sani/rhyolite	Marjaniemi, 1968
1310	PED-12-63		76.80	--	KA/biot/granophyre	Bikerman and Damon, 1966
910	PED-12-65		33.70	--	KA/biot/tuff	Damon and others, 1966
1171	PED-12-70		65.50	--	KA/biot/monzonite porphyry	Pushkar and Damon, 1974
909	PED-13-62		33.60	--	KA/biot/rhyolite ash-flow tuff	Damon and Bikerman, 1964
936	PED-13-62		37.60	--	KA/sani/rhyolite ash-flow tuff	Damon and Bikerman, 1964
1515	PED-13-65		1394.00	--	KA/musc/pegmatite	Pushkar and Damon, 1974
1391	PED-14-65	**	302.00	--	KA/biot/granite	Pushkar and Damon, 1974
1393	PED-14-65	**	304.00	--	KA/biot/granite	Pushkar and Damon, 1974
1394	PED-14-65	**	305.00	--	KA/biot/granite	Pushkar and Damon, 1974
1434	PED-14-65	**	920.00	--	SR/w.r./granite	Pushkar and Damon, 1974
434	PED-14-68		18.26	--	KA/w.r./basalt	Damon and others, 1969
7	PED-14-70		0.21	--	KA/sani/rhyolite	Damon and others, 1974
975	PED-15-59		47.90	--	KA/musc/pegmatite	Mauger and others, 1968
1060	PED-15-62		58.10	--	KA/biot/andesite	Bikerman and Damon, 1966
739	PED-15-63		25.90	--	KA/w.r./basaltic andesite	Bikerman and Damon, 1966
165	PED-15-64		6.39	--	KA/w.r./basalt	Damon and others, 1974
82	PED-15-70		2.78	--	KA/sani/rhyodacite	Damon and others, 1974
718	PED-16-59		25.60	--	KA/biot/granite	Damon and others, 1963a
839	PED-16-63		28.60	--	KA/plag/andesite porphyry	Bikerman and Damon, 1966
664	PED-17-59		24.50	--	KA/biot/quartz diorite	Damon and others, 1963a
876	PED-17-62	**	30.50	--	KA/sani/ash-flow tuff	Bikerman and Damon, 1966
798	PED-17-63		27.60	--	KA/w.r./basaltic andesite	Bikerman and Damon, 1966
1266	PED-17-64		72.60	--	KA/biot/quartz monzonite	Damon and Mauger, 1966
556	PED-17-68		21.85	--	KA/biot/quartz latite	Damon and others, 1969
1466	PED-18-57	**	1184.00	--	SR/biot/granite	Giletti and Damon, 1961
823	PED-18-62D	**	28.30	--	KA/biot/gneiss	Livingston and others, 1967
720	PED-18-62L	**	25.60	--	KA/biot/gneiss	Livingston and others, 1967
746	PED-18-62L	**	26.10	--	KA/musc/gneiss	Livingston and others, 1967
795	PED-18-62L	**	27.50	--	KA/orth/gneissic granite	Livingston and others, 1967
868	PED-18-62L	**	30.00	--	KA/plag/gneiss	Livingston and others, 1967
605	PED-18-68		23.13	--	KA/biot/welded tuff	Damon and others, 1969
1112	PED-19-62		61.90	--	KA/biot/rhyolite	Bikerman and Damon, 1966
1518	PED-2-58		1400.00	--	SR/plag/quartz monzonite	Livingston and others, 1967
1530	PED-2-58		1419.00	--	SR/biot/granite	Giletti and Damon, 1961
811	PED-20-62		28.00	--	KA/biot/foliated granite	Mauger and others, 1968
1200	PED-20-64		67.50	--	KA/biot/quartz monzonite	Damon and Mauger, 1966
1210	PED-21-59		68.70	--	KA/biot/quartz monzonite	Mauger and others, 1965
1180	PED-22-59	**	66.10	--	KA/biot/granite	Mauger and others, 1965
1395	PED-23-57	**	312.00	--	KA/biot/granitic gneiss	Pushkar and Damon, 1974
1398	PED-23-57	**	337.00	--	KA/biot/granitic gneiss	Pushkar and Damon, 1974
1067	PED-23-59	**	58.80	--	KA/biot/dacitic ash-flow tuff	Mauger and others, 1965
1009	PED-25-61	**	53.20	--	KA/biot/granite	Erickson, 1981
947	PED-27-57	**	39.40	--	KA/biot/granite	Damon and others, 1963a
1220	PED-27-61		69.60	--	KA/biot/granodiorite porphyry	Damon and others, 1964
454	PED-27-63		18.76	--	KA/sani/rhyodacitic tuff	Damon and others, 1964
1389	PED-27-66	**	245.00	--	KA/plag/dacite	Damon and others, 1970

806	PED-29-60	**	27.70	--	KA/musc/schist	Mauger and others, 1968
274	PED-29-66		12.10	--	KA/w.r./basalt	Peirce and others, 1979
906	PED-30-60	**	33.50	--	KA/musc/pegmatite	Mauger and others, 1968
330	PED-30-66		14.63	--	KA/w.r./basalt	Damon and others, 1968
1460	PED-31-61		1146.00	--	KA/biot/diabase	Damon and others, 1962
84	PED-31-66		2.87	--	KA/w.r./basalt	Best and others, 1980
692	PED-31-67		25.10	--	KA/sani/ash-flow tuff	Damon and others, 1968
1552	PED-32-61		1485.00	--	KA/biot/granite	Livingston, 1969
70	PED-32-66		2.35	--	KA/w.r./basalt	Damon and others, 1968
637	PED-32-67		23.86	--	KA/w.r./basaltic andesite	Damon and others, 1968
74	PED-33-66		2.44	--	KA/w.r./basalt	Damon, unpub. data
939	PED-33-67		38.30	--	KA/horn/andesite	Damon and others, 1969
173	PED-34-66		6.87	--	KA/w.r./basalt	Best and others, 1980
123	PED-35-66		4.73	--	KA/w.r./basalt	Damon, unpub. data
1010	PED-35-67		53.30	--	KA/biot/quartz monzonite	Damon and others, 1969
137	PED-36-66		5.45	--	KA/w.r./basalt	Damon, unpub. data
640	PED-36-67		23.91	--	KA/biot/rhyolite	Damon and others, 1968
175	PED-37-66		7.06	--	KA/w.r./basalt	Best and others, 1980
170	PED-38-66		6.78	--	KA/w.r./basalt	Damon, unpub. data
124	PED-39-66		4.75	--	KA/w.r./basalt	Best and others, 1980
681	PED-40-63		24.93	--	KA/plag/andesite porphyry	Shafiqullah and others, 1978
104	PED-40-66		3.60	--	KA/w.r./basalt	Damon, unpub. data
99	PED-42-66		3.47	--	KA/w.r./basalt	Best and others, 1980
105	PED-42-66		3.67	--	KA/w.r./basalt	Best and others, 1980
79	PED-43-66		2.63	--	KA/w.r./basalt	Damon, unpub. data
1611	PED-46-60		1715.00	--	PB/gale/mineralization	Mauger and others, 1965
1	PED-46-66		0.01	--	KA/w.r./basalt	Damon and others, 1967
1612	PED-47-60		1715.00	--	PB/gale/mineralization	Mauger and others, 1965
610	PED-4A-58	**	23.40	--	SR/biot/granite	Livingston and others, 1967
933	PED-4A-58	**	36.80	--	SR/musc/granite	Livingston and others, 1967
1575	PED-5-60	**	1607.00	--	PB/gale/mineralization	Mauger and others, 1965
157	PED-54-66		6.05	--	KA/w.r./basalt	Damon and others, 1974
891	PED-56-66	**	31.90	--	KA/musc/gneissic granite	Mauger and others, 1968
1557	PED-7-57	**	1508.00	--	SR/musc/pegmatite	Giletti and Damon, 1961
1152	PHK-05-69		64.60	--	KA/biot/rhyodacite dike	Damon and others, 1970
1148	PHK-29-69		64.40	--	KA/biot/granodiorite	Damon and others, 1970
1427	PN-1	**	875.00	--	KA/biot/granite	Shafiqullah and others, 1980
926	PR 92	**	35.90	--	KA/w.r./phyllite	Haxel and others, 1984
1229	PR-90		70.20	--	KA/w.r./phyllite	Haxel and others, 1984
1263	PR-91		72.10	--	KA/w.r./phyllite	Haxel and others, 1984
945	PR-93	**	39.20	--	KA/w.r./phyllite	Haxel and others, 1984
311	PR2		13.80	--	KA/w.r./basalt	McKee and Anderson, 1971
301	PR3		13.40	--	KA/w.r./basalt	McKee and Anderson, 1971
1056	PUP 14		58.00	--	PB/zirc/granite	Wright and Haxel, 1982
478	QQ		19.60	--	KA/horn/rhyodacite	Miller and McKee, 1971
524	QQ		20.70	--	KA/biot/rhyodacite	Miller and McKee, 1971
205	R-1162		8.90	--	KA/w.r./basalt	Merrill and Pewe, 1977
169	R-2583		6.70	--	KA/w.r./basalt	Schoustra and others, 1976
121	R-2584		4.60	--	KA/w.r./basalt	Schoustra and others, 1976
76	R-2585		2.58	--	KA/w.r./basalt	Schoustra and others, 1976
102	R-2632		3.53	--	KA/w.r./olivine basalt	Schoustra and others, 1976
115	R-2633		4.30	--	KA/w.r./olivine basalt	Schoustra and others, 1976
100	R-2634		3.50	--	KA/w.r./olivine basalt	Schoustra and others, 1976
110	R-2635		3.90	--	KA/w.r./olivine basalt	Schoustra and others, 1976
103	R-2636		3.60	--	KA/w.r./olivine basalt	Schoustra and others, 1976
97	R-2637		3.40	--	KA/w.r./olivine basalt	Schoustra and others, 1976
483	R-2638		19.80	--	KA/w.r./basalt	Schoustra and others, 1976
494	R-2639		20.10	--	KA/w.r./basalt	Schoustra and others, 1976
479	R-2640		19.60	--	KA/w.r./basalt	Schoustra and others, 1976
90	R-2641		3.10	--	KA/w.r./basalt	Schoustra and others, 1976
98	R-2642		3.44	--	KA/w.r./basalt	Schoustra and others, 1976
147	R-2661	**	5.80	--	KA/w.r./basalt	Schoustra and others, 1976
138	R1-R3		5.50	--	FT/zirc/tuff	McFadden and others, 1979
375	R81:A		16.20	--	KA/w.r./basalt	Richter and others, 1981
390	R81:A		16.60	--	KA/plag/basalt	Richter and others, 1981
598	R81:B		22.80	--	KA/w.r./basaltic andesite	Richter and others, 1981
606	R81:C		23.20	--	KA/biot/rhyolite	Richter and others, 1981
678	R81:D		24.90	--	KA/biot/rhyodacite	Richter and others, 1981
723	R81:E		25.60	--	KA/w.r./basaltic andesite	Richter and others, 1981
740	R81:F		25.90	--	KA/w.r./basaltic andesite	Richter and others, 1981
767	R81:G		26.70	--	KA/w.r./andesite	Richter and others, 1981
845	R81:G		28.70	--	KA/w.r./andesite	Richter and others, 1981
735	R82:1		25.70	--	KA/horn/diorite sill	Rehrig, 1982
416	R82:2	**	17.50	--	KA/biot/mylonite	Rehrig, 1982
461	R83:A		19.10	--	KA/sani/rhyolite pyroclastic flow	Richter and others, 1983
540	R83:B		21.20	--	KA/w.r./rhyolite	Richter and others, 1983
471	R83:C		19.40	--	KA/w.r./andesite	Richter and others, 1983

632	R83:D		23.70	--	KA/w.r./andesite	Richter and others, 1983
590	R83:E		22.60	--	KA/w.r./andesite	Richter and others, 1983
574	R83:F		22.20	--	KA/w.r./andesite	Richter and others, 1983
554	R83:G		21.80	--	KA/w.r./andesite	Richter and others, 1983
508	R83:H		20.40	--	KA/w.r./porphyritic andesite	Richter and others, 1983
603	R83:I		23.10	--	KA/biot/rhyolite	Richter and others, 1983
406	R83:J		17.30	--	KA/sani/rhyolite	Richter and others, 1983
266	RBS-15-73	**	11.79	--	KA/glas/air-fall tuff	Scarborough, 1975
95	RBS-206-68		3.29	--	KA/glas/air-fall tuff	Scarborough, 1975
86	RBS-32-68		3.05	--	KA/glas/air-fall tuff	Scarborough, 1975
78	RBS-35A-68		2.60	--	KA/glas/air-fall tuff	Scarborough, 1975
152	RBS-61-68		5.92	--	KA/glas/air-fall tuff	Scarborough, 1975
146	RBS-61F-68		5.74	--	KA/glas/air-fall tuff	Scarborough, 1975
167	RBS-68-68		6.43	--	KA/glas/air-fall tuff	Scarborough, 1975
443	RC-25	**	18.50	--	FT/apat/quartz monzonite	Creasey and others, 1977
593	RC-25		22.70	--	KA/biot/quartz monzonite	Creasey and others, 1977
537	RC3-1	**	21.10	--	KA/biot/granite	Creasey and others, 1977
550	RC3-1	**	21.70	--	KA/horn/granite	Creasey and others, 1977
1499	RCE 829-31		1352.00	--	SR/w.r./granite	Erickson, 1981
928	RCE-329-65		36.00	--	KA/plag/andesite dike	Erickson, 1981
1457	RCE-331-64	**	1110.00	--	KA/biot/gneiss	Erickson, 1981
861	RCE-622-65		29.60	--	KA/biot/granodiorite	Erickson, 1981
921	RCE-636-65		34.80	--	KA/w.r./dacite porphyry dike	Erickson, 1981
908	RCE-653-65	**	33.50	--	KA/biot/granite	Erickson, 1981
1047	RCE-655-65		57.20	--	KA/biot/quartz diorite	Erickson, 1981
980	RCE-657-65		48.80	--	KA/w.r./basalt dike	Erickson, 1981
1147	RCE-689-65		64.30	--	KA/biot/quartz diorite	Erickson, 1981
1441	RCE-802-65	**	1020.00	--	KA/w.r./quartz monzonite	Erickson, 1981
1087	RCE-806-66		60.20	--	KA/biot/quartz diorite	Erickson, 1981
1467	RCE-825-65	**	1190.00	--	KA/horn/amphibolite	Erickson, 1981
990	RCE-829-65	**	50.30	--	KA/biot/granite	Erickson, 1981
1072	RCE-840-66	**	59.30	--	KA/biot/granite	Erickson, 1981
1016	RCE-851-66	**	53.70	--	KA/plag/lithic tuff	Erickson, 1981
1002	RCE-853-66	**	52.30	--	KA/biot/gneiss	Erickson, 1981
151	RD-01	**	5.90	--	KA/biot/tuff	Fugro, 1975
219	RD-16		9.60	--	KA/w.r./basalt	Fugro, 1975
319	RD-21		14.10	--	KA/w.r./basalt	Fugro, 1975
1480	RHD-8,-9,-10	**	1284.00	--	SR/w.r./granite	Kessler, 1976
359	RLE-20-68		15.63	--	KA/w.r./andesite	Eastwood, 1970
430	RLE-27-67		18.05	--	KA/w.r./basalt	Eastwood, 1970
502	RLE-27-68		20.32	--	KA/w.r./andesite	Eastwood, 1970
538	RLE-29-67		21.17	--	KA/w.r./andesite	Eastwood, 1970
572	RLE-31-68		22.15	--	KA/w.r./basalt	Eastwood, 1970
1144	RM-01-62		64.00	--	KA/phlo/alteration	Damon and Mauger, 1966
836	RM-01-64		28.57	--	KA/biot/tuff	Damon and Bikerman, 1964
893	RM-01-66	**	32.00	--	KA/musc/gneissic granite	Mauger and others, 1968
1153	RM-02-62		64.60	--	KA/biot/pegmatite	Damon and others, 1964
885	RM-02-64		31.37	--	KA/plag/andesite porphyry	Shafiqullah and others, 1978
1115	RM-03-62		62.00	--	KA/musc/vein	Damon and Mauger, 1966
1039	RM-03-63	**	56.70	--	KA/biot/dacitic ash-flow tuff	Mauger and others, 1965
1020	RM-03-64		54.70	--	KA/biot/quartz monzonite	Damon and Mauger, 1966
725	RM-04-63		25.64	--	KA/biot/rhyolite	Damon and Bikerman, 1964
1276	RM-05-65		73.10	--	KA/phlo/quartz monzonite	Damon and Mauger, 1966
1219	RM-06-63		69.50	--	KA/biot/granodiorite	Damon and Mauger, 1966
1168	RM-07-63		65.40	--	KA/biot/quartz diorite	Damon and Mauger, 1964
944	RM-09-63	**	39.20	--	SR/musc/pegmatite	Livingston and others, 1967
1000	RM-09-63		52.20	--	KA/musc/pegmatite	Shafiqullah and Langlois, 1978
1199	RM-1-65		67.50	--	SR/w.r./aplite dike	Damon and others, 1965
1343	RM-10-63	**	127.30	--	SR/min./monzonite	Damon and others, 1966
1349	RM-2-65	**	137.10	--	SR/w.r./granite	Damon and others, 1966
1348	RR:1	**	137.00	--	KA/biot/granite	Reif and Robinson, 1981
960	RR:2	**	43.90	--	KA/biot/granite	Reif and Robinson, 1981
698	RR:3	**	25.20	--	KA/biot/granite	Reif and Robinson, 1981
821	RR:4	**	28.20	--	KA/biot/granodiorite gneiss	Reif and Robinson, 1981
883	RR:5	**	31.10	--	KA/biot/granodiorite gneiss	Reif and Robinson, 1981
722	RR:6	**	25.60	--	KA/biot/granodiorite gneiss	Reif and Robinson, 1981
818	RR:7	**	28.10	--	KA/horn/granodiorite gneiss	Reif and Robinson, 1981
713	SEVERAL		25.50	--	SR/w.r./granite	Keith and others, 1980
953	SEVERAL		40.90	--	SR/min./granite	Arnold, 1986
967	SEVERAL		46.00	--	SR/w.r./granite	Keith and others, 1980
1013	SEVERAL		53.40	--	SR/w.r./granite	Arnold, 1986
1015	SEVERAL		53.70	--	SR/min./granite	Arnold, 1986
1167	SEVERAL		65.28	--	SR/w.r./granodiorite	Bradfish, 1979
1205	SEVERAL		68.50	--	SR/w.r./quartz diorite	Keith and others, 1980
1249	SEVERAL		71.50	--	SR/w.r./quartz diorite	Keith and others, 1980
1355	SEVERAL		148.00	--	SR/w.r./volcanics	Kluth and others, 1982
1451	SEVERAL		1070.00	--	SR/w.r./diabase	Elston and Mckee, 1982

1490	SEVERAL		1335.00	--	SR/w.r./granite	Kessler, 1976
1497	SEVERAL		1351.00	--	SR/w.r./granite	Pushkar and Damon, 1974
1498	SEVERAL	**	1351.00	--	SR/w.r./granite	Keith and others, 1980
1500	SEVERAL		1355.00	--	SR/w.r./quartz monzonite	Swan, 1976
1506	SEVERAL		1367.00	--	SR/w.r./granite	Kessler, 1976
1509	SEVERAL		1375.00	--	SR/w.r./granite	Swan, 1976
1550	SEVERAL	**	1478.00	--	SR/w.r./rhyolite	Livingston, 1969
1556	SEVERAL	**	1507.00	--	SR/w.r./quartz diorite	Stuckless and Naeser, 1972
1233	SJR-HV-78-1	**	70.30	--	KA/horn/amphibolite	Shafiqullah and others, 1980
733	SL-3A		25.70	--	KA/ /volcanic rock	Strangway and others, 1976
663	SMG-1 TO 7		24.50	--	SR/w.r./granodiorite	Reynolds, 1985
1589	SP-1		1643.00	--	KA/biot/granodiorite	Roe, 1976
210	SP-80-1		9.00	--	KA/w.r./basalt	Haman, 1985
184	T-1		7.90	--	KA/biot/dacite tuff	McKee and Elston, 1980
216	T06		9.30	--	KA/k-sp/dacite tuff	McKee and Elston, 1980
91	T07		3.10	--	KA/biot/tuff	Luedke and Smith, 1976
242	T13		10.70	--	KA/biot/dacite tuff	McKee and Elston, 1980
252	T14		11.30	--	KA/biot/dacite tuff	McKee and Elston, 1980
449	T86:1		18.60	--	KA/w.r./basalt	Tosdal and others, 1986
365	T86:2		15.90	--	KA/biot/rhyolite	Tosdal and others, 1986
370	T86:3		16.10	--	KA/biot/rhyolite	Tosdal and others, 1986
400	T86:4		17.10	--	KA/biot/rhyolite	Tosdal and others, 1986
520	T86:5		20.50	--	KA/biot/	Tosdal and others, 1986
542	T86:6		21.30	--	KA/biot/	Tosdal and others, 1986
579	T86:7		22.40	--	KA/biot/	Tosdal and others, 1986
925	T86:8	**	35.60	--	KA/mica/granodiorite	Tosdal and others, 1986
952	T86:9	**	40.10	--	KA/mica/granodiorite	Tosdal and others, 1986
1417	TB-6	**	801.00	--	KA/w.r./basalt	McKee and Noble, 1974
1192	TB:1		67.00	--	KA/ /andesite	Titley and Beane, 1981
1019	TC5,11,12,13		54.60	--	SR/min./granite	Arnold, 1986
727	TF1		25.70	--	FT/zirc/tuff	Wahl, 1980
642	TF2		24.00	--	FT/zirc/tuff	Wahl, 1980
899	TF4A		32.70	--	FT/zirc/tuff	Wahl, 1980
797	TGP-1 TO 4		27.60	--	SR/w.r./granite	Reynolds, 1985
1462	TIS-1		1155.00	--	SR/w.r./diabase and basalt	McKee and Noble, 1974
617	TMN-62		23.50	--	KA/biot/quartz latite	Banks and others, 1978b
694	TMN-62		25.10	--	KA/horn/quartz latite	Banks and others, 1978b
765	TMN-92		26.70	--	KA/biot/quartz latite	Banks and others, 1978b
1540	TMN-93	**	1438.00	--	KA/biot/diorite	Banks and others, 1978b
22	U84:1		0.80	--	KA/w.r./rhyolite	Ulrich and others, 1984
13	U84:2		0.50	--	KA/w.r./basalt	Ulrich and others, 1984
1485	UAKA-21-57	**	1320.00	--	KA/biot/granite	Shafiqullah and others, 1980
1401	UAKA-57-04	**	480.00	--	SR/biot/schist	Giletti and Damon, 1961
1413	UAKA-57-04	**	766.00	--	KA/biot/schist	Shafiqullah and others, 1980
1458	UAKA-57-06	**	1110.00	--	KA/biot/granite	Shafiqullah and others, 1980
1513	UAKA-57-15		1390.00	--	KA/biot/granite	Shafiqullah and others, 1980
1512	UAKA-57-17		1390.00	--	KA/biot/granite	Shafiqullah and others, 1980
1464	UAKA-57-18	**	1180.00	--	KA/biot/granite	Shafiqullah and others, 1980
1465	UAKA-57-19	**	1180.00	--	KA/biot/granite	Shafiqullah and others, 1980
1444	UAKA-57-20	**	1050.00	--	KA/biot/pegmatite	Shafiqullah and others, 1980
1407	UAKA-57-22	**	649.00	--	KA/chlo/granite	Shafiqullah and others, 1980
1519	UAKA-59-01	**	1400.00	--	KA/musc/schist	Shafiqullah and others, 1980
1580	UAKA-59-01		1620.00	--	KA/musc/pegmatite	Shafiqullah and others, 1980
1510	UAKA-59-14		1375.00	--	KA/musc/quartz monzonite	Shafiqullah and others, 1980
1491	UAKA-59-25	**	1340.00	--	KA/biot/granite	Shafiqullah and others, 1980
1546	UAKA-59-25		1460.00	--	KA/musc/granite	Shafiqullah and others, 1980
1555	UAKA-60-04	**	1500.00	--	KA/musc/pegmatite	Shafiqullah and others, 1980
1463	UAKA-60-06	**	1170.00	--	KA/biot/schist	Shafiqullah and others, 1980
1543	UAKA-60-06		1450.00	--	KA/musc/pegmatite	Shafiqullah and others, 1980
1566	UAKA-60-06		1560.00	--	KA/musc/pegmatite	Shafiqullah and others, 1980
1471	UAKA-60-07	**	1250.00	--	KA/biot/granite	Shafiqullah and others, 1980
1396	UAKA-60-12	**	325.00	--	KA/chlo/granitic gneiss	Shafiqullah and others, 1980
1461	UAKA-63-31	**	1150.00	--	KA/biot/pegmatite	Shafiqullah and others, 1980
1352	UAKA-63-32	**	141.00	--	KA/biot/granite	Shafiqullah and others, 1980
807	UAKA-63-36	**	27.70	--	KA/biot/granite	Shafiqullah and others, 1980
107	UAKA-64-08		3.79	--	KA/w.r./basalt	Shafiqullah and others, 1980
1404	UAKA-64-19	**	577.00	--	KA/biot/granite	Shafiqullah and others, 1980
1454	UAKA-65-03		1080.00	--	KA/biot/diorite sill	Shafiqullah and others, 1980
871	UAKA-65-04		30.10	--	KA/biot/rhyolite tuff	Shafiqullah and others, 1980
108	UAKA-65-09		3.80	--	KA/w.r./basalt	Shafiqullah and others, 1980
441	UAKA-65-11		18.40	--	KA/biot/dacite	Shafiqullah and others, 1980
455	UAKA-65-11		18.80	--	KA/plag/dacite	Shafiqullah and others, 1980
1183	UAKA-66-03		66.50	--	KA/biot/granodiorite	Shafiqullah and others, 1980
293	UAKA-66-28		13.10	--	KA/w.r./basalt	Shafiqullah and others, 1980
315	UAKA-66-55		13.90	--	KA/w.r./basalt	Shafiqullah and others, 1980
298	UAKA-67-09		13.20	--	KA/w.r./basalt	Shafiqullah and others, 1980
1361	UAKA-67-200		155.00	--	KA/plag/andesite porphyry	Shafiqullah and others, 1980

585	UAKA-67-23		22.50	--	KA/biot/rhyolite tuff	Shafiqullah and others, 1980
373	UAKA-68-06		16.16	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
372	UAKA-68-07		16.14	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
521	UAKA-68-16		20.60	--	KA/biot/dacite	Shafiqullah and others, 1980
1031	UAKA-69-10		55.80	--	KA/biot/granite	Shafiqullah and others, 1980
609	UAKA-70-05		23.30	--	KA/w.r./basalt	Shafiqullah and others, 1980
1234	UAKA-70-06		70.30	--	KA/biot/diorite	Shafiqullah and others, 1980
220	UAKA-70-13		9.62	--	KA/w.r./basalt	Shafiqullah and others, 1980
117	UAKA-71-01		4.43	--	KA/w.r./basalt	Damon and others, 1974
126	UAKA-71-03		4.86	--	KA/w.r./basalt	Damon and others, 1974
207	UAKA-71-04		8.95	--	KA/w.r./basalt	Damon and others, 1974
9	UAKA-71-08		0.24	--	KA/sani/rhyolite	Damon and others, 1974
602	UAKA-71-11	**	23.10	--	KA/musc/granite	Keith and others, 1980
1128	UAKA-71-14		62.90	--	KA/biot/granodiorite	Rehrig and others, 1980
1176	UAKA-71-17		65.80	--	KA/biot/andesite porphyry	Shafiqullah and others, 1980
1124	UAKA-71-18		62.80	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
183	UAKA-71-19		7.80	--	KA/glas/air-fall tuff	Scarborough, 1975
968	UAKA-71-21	**	46.50	--	KA/garn/granite	Keith and others, 1980
163	UAKA-71-22		6.24	--	KA/glas/air-fall tuff	Scarborough, 1975
140	UAKA-71-32		5.54	--	KA/glas/air-fall tuff	Scarborough, 1975
1297	UAKA-71-33		75.60	--	KA/biot/granodiorite	Rehrig, 1986
1204	UAKA-71-34		68.40	--	KA/biot/granodiorite	Rehrig and others, 1980
374	UAKA-71-35A	**	16.20	--	KA/w.r./K-rich dike	Rehrig and others, 1980
366	UAKA-71-35B	**	16.10	--	KA/w.r./K-rich dike	Rehrig and others, 1980
206	UAKA-71-37		8.93	--	KA/w.r./basalt	Damon and others, 1974
222	UAKA-71-37		9.73	--	KA/w.r./basalt	Damon and others, 1974
202	UAKA-71-38		8.78	--	KA/w.r./basalt	Damon and others, 1974
143	UAKA-71-39		5.69	--	KA/glas/air-fall tuff	Scarborough, 1975
1241	UAKA-72-1		70.70	--	KA/biot/dike	Rehrig, 1986
377	UAKA-72-13	**	16.30	--	KA/w.r./K-rich volcanic	Rehrig and others, 1980
188	UAKA-72-20		8.12	--	KA/w.r./basalt	Shafiqullah and others, 1980
320	UAKA-72-20		14.14	--	KA/w.r./basalt	Rehrig, 1986
534	UAKA-72-21		21.00	--	KA/w.r./trachyte	Shakel, 1974
1134	UAKA-72-23		63.40	--	KA/biot/granodiorite	Nason and others, 1982
1336	UAKA-72-25	**	111.00	--	KA/biot/monzonite porphyry	Shafiqullah and others, 1980
158	UAKA-72-26		6.07	--	KA/w.r./basalt	Damon and others, 1974
46	UAKA-72-27		1.61	--	KA/w.r./latite	Damon and others, 1974
951	UAKA-72-39	**	40.10	--	KA/biot/granodiorite	Shafiqullah and others, 1980
360	UAKA-72-40		15.71	--	KA/w.r./rhyolite	Shafiqullah and others, 1980
347	UAKA-72-41		15.39	--	KA/w.r./basalt	Shafiqullah and others, 1980
410	UAKA-72-42		17.40	--	KA/w.r./rhyolite	Shafiqullah and others, 1980
304	UAKA-72-43		13.50	--	KA/w.r./olivine basalt	Rehrig and others, 1980
432	UAKA-72-44	**	18.20	--	KA/biot/K-rich dike	Rehrig and others, 1980
867	UAKA-72-47		30.00	--	KA/w.r./basalt	Eberly and Stanley, 1978
536	UAKA-72-48	**	21.03	--	KA/w.r./K-rich volcanic	Shafiqullah and others, 1980
533	UAKA-72-54		21.00	--	KA/w.r./andesite	Eberly and Stanley, 1978
1370	UAKA-72-57	**	167.00	--	KA/w.r./granite	Shafiqullah and others, 1980
1447	UAKA-72-57	**	1056.00	--	SR/w.r./granite	Eberly and Stanley, 1978
557	UAKA-72-58		21.86	--	KA/w.r./aphanitic dike	Eberly and Stanley, 1978
393	UAKA-72-60		16.70	--	KA/w.r./basaltic andesite	Rehrig and others, 1980
96	UAKA-72-61		3.30	--	KA/w.r./basalt	Lynch, 1978
14	UAKA-72-62		0.52	--	KA/w.r./basalt	Damon and others, 1974
969	UAKA-72-63	**	47.00	--	KA/biot/granodiorite	Shafiqullah and others, 1980
356	UAKA-72-64		15.52	--	KA/w.r./andesite	Shafiqullah and others, 1980
641	UAKA-72-66		23.93	--	KA/w.r./andesitic basalt	Eberly and Stanley, 1978
612	UAKA-72-67		23.40	--	KA/biot/granodiorite	Shafiqullah and others, 1978
384	UAKA-72-70		16.54	--	KA/w.r./basaltic andesite dike	Eberly and Stanley, 1978
425	UAKA-72-71		17.98	--	KA/biot/latite porphyry	Shafiqullah and others, 1980
489	UAKA-72-72		19.98	--	KA/biot/latite dike	Shafiqullah and others, 1980
630	UAKA-72-73		23.70	--	KA/biot/latite tuff	Shafiqullah and others, 1980
32	UAKA-72-74		0.95	--	KA/sani/rhyolite	Damon and others, 1974
646	UAKA-72-76	**	24.00	--	KA/k-sp/granite	Keith and others, 1980
77	UAKA-72-77		2.59	--	KA/glas/air-fall tuff	Scarborough, 1975
94	UAKA-73-03		3.28	--	KA/w.r./basalt	Shafiqullah and others, 1980
81	UAKA-73-04		2.67	--	KA/w.r./basalt	Shafiqullah and others, 1980
50	UAKA-73-05		1.72	--	KA/w.r./basalt	Shafiqullah and others, 1980
40	UAKA-73-07		1.35	--	KA/w.r./basalt	Shafiqullah and others, 1980
509	UAKA-73-08		20.41	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
57	UAKA-73-09		1.92	--	KA/w.r./basalt	Shafiqullah and others, 1980
343	UAKA-73-10		15.01	--	KA/w.r./basalt	Shafiqullah and others, 1980
532	UAKA-73-107		20.90	--	KA/w.r./basalt	Shafiqullah and others, 1980
438	UAKA-73-108		18.31	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
439	UAKA-73-109		18.35	--	KA/biot/granite	Shafiqullah and others, 1980
328	UAKA-73-11		14.51	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
467	UAKA-73-110	**	19.20	--	KA/biot/granite	Reynolds, 1985
28	UAKA-73-114		0.88	--	KA/biot/rhyolite	Damon and others, 1974
43	UAKA-73-115		1.54	--	KA/w.r./rhyolite	Damon and others, 1974

31	UAKA-73-116		0.95	--	KA/w.r./basalt	Damon and others, 1974
153	UAKA-73-118		5.94	--	KA/w.r./basalt	Damon and others, 1974
29	UAKA-73-119		0.89	--	KA/w.r./basalt	Damon and others, 1974
866	UAKA-73-12		29.96	--	KA/biot/granodiorite	Shafiqullah and others, 1978
3	UAKA-73-120		0.05	--	KA/w.r./basaltic andesite	Damon and others, 1974
2	UAKA-73-121		0.05	--	KA/w.r./basaltic andesite	Damon and others, 1974
20	UAKA-73-123		0.70	--	KA/w.r./basalt	Damon and others, 1974
1006	UAKA-73-125	**	52.80	--	KA/biot/diorite	Shafiqullah and others, 1980
972	UAKA-73-126	**	47.50	--	KA/biot/granite	Shafiqullah and others, 1980
381	UAKA-73-127		16.46	--	KA/biot/granodiorite	Shafiqullah and others, 1980
829	UAKA-73-13		28.43	--	KA/biot/granite	Shafiqullah and others, 1978
172	UAKA-73-133		6.86	--	KA/w.r./basalt	Scarborough, 1975
245	UAKA-73-137	**	10.85	--	KA/glas/air-fall tuff	Scarborough, 1975
237	UAKA-73-139		10.52	--	KA/w.r./basalt	Shafiqullah and others, 1980
477	UAKA-73-14		19.58	--	KA/biot/granodiorite	Shafiqullah and others, 1980
338	UAKA-73-140		14.90	--	KA/w.r./K-rich volcanic	Eberly and Stanley, 1978
344	UAKA-73-140	**	15.10	--	KA/w.r./K-rich volcanic	Shafiqullah and others, 1976
568	UAKA-73-141		22.06	--	KA/biot/andesite	Shafiqullah and others, 1976
931	UAKA-73-147		36.50	--	KA/biot/granite	Swan, 1976
63	UAKA-73-149		2.08	--	KA/w.r./basalt	Shafiqullah and others, 1980
880	UAKA-73-15		30.91	--	KA/biot/quartz monzonite	Shafiqullah and others, 1978
38	UAKA-73-150		1.28	--	KA/w.r./basalt	Shafiqullah and others, 1980
68	UAKA-73-151		2.28	--	KA/w.r./basalt	Shafiqullah and others, 1980
67	UAKA-73-152		2.17	--	KA/w.r./basalt	Shafiqullah and others, 1980
23	UAKA-73-153		0.81	--	KA/w.r./basalt	Damon and others, 1974
26	UAKA-73-154		0.87	--	KA/w.r./basalt	Damon and others, 1974
141	UAKA-73-155		5.62	--	KA/w.r./basalt	Damon and others, 1974
1190	UAKA-73-158	**	66.90	--	KA/seri/alteration zone	Shafiqullah and others, 1980
682	UAKA-73-16		24.95	--	KA/biot/granite	Shafiqullah and others, 1980
231	UAKA-73-161		10.16	--	KA/w.r./basalt	Peirce and others, 1979
211	UAKA-73-162		9.18	--	KA/w.r./basalt	Peirce and others, 1979
623	UAKA-73-18		23.60	--	KA/biot/rhyolite tuff	Shafiqullah and others, 1980
549	UAKA-73-19		21.68	--	KA/w.r./basalt	Shafiqullah and others, 1980
1351	UAKA-73-20	**	140.00	--	KA/biot/granite	Shafiqullah and others, 1980
475	UAKA-73-21		19.52	--	KA/w.r./andesite	Shafiqullah and others, 1980
488	UAKA-73-22		19.91	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
18	UAKA-73-23		0.64	--	KA/w.r./basalt	Damon and others, 1974
856	UAKA-73-25		29.40	--	KA/biot/tuff	Shafiqullah and others, 1980
794	UAKA-73-26		27.41	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
492	UAKA-73-27		20.00	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
503	UAKA-73-29		20.35	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
476	UAKA-73-30		19.58	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
504	UAKA-73-31		20.36	--	KA/w.r./andesite dike	Shafiqullah and others, 1980
423	UAKA-73-32		17.90	--	KA/w.r./basalt	Shafiqullah and others, 1980
525	UAKA-73-33		20.70	--	KA/w.r./basalt	Shafiqullah and others, 1980
1331	UAKA-73-49	**	100.00	--	KA/horn/diorite	Shafiqullah and others, 1980
660	UAKA-73-64		24.35	--	KA/biot/granodiorite	Shafiqullah and others, 1980
1360	UAKA-73-65		154.00	--	KA/biot/granodiorite	Shafiqullah and others, 1980
874	UAKA-73-70	**	30.30	--	KA/musc/pegmatite dike	Shafiqullah and others, 1980
257	UAKA-73-78		11.40	--	KA/w.r./basalt	Peirce and others, 1979
273	UAKA-73-79		12.10	--	KA/w.r./basalt	Peirce and others, 1979
228	UAKA-73-83		10.01	--	KA/w.r./andesite	Peirce and others, 1979
1065	UAKA-73-86		58.60	--	KA/w.r./rhyolite porphyry	Shafiqullah and others, 1980
395	UAKA-73-94		16.87	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
376	UAKA-74-04		16.28	--	KA/w.r./basalt	Shafiqullah and others, 1980
631	UAKA-74-117		23.70	--	KA/w.r./basalt	Shafiqullah and others, 1980
316	UAKA-74-118		13.90	--	KA/w.r./trachyte	Shafiqullah and others, 1980
134	UAKA-74-120		5.40	--	KA/w.r./basalt dike	Shafiqullah and others, 1980
371	UAKA-74-122		16.12	--	KA/w.r./andesite	Shafiqullah and others, 1980
669	UAKA-74-129		24.65	--	KA/biot/rhyodacite dike	Shafiqullah and others, 1980
470	UAKA-74-130		19.40	--	KA/biot/tuff	Shafiqullah and others, 1980
948	UAKA-74-130		39.40	--	KA/w.r./basaltic andesite	Shafiqullah and others, 1980
56	UAKA-74-136		1.90	--	KA/w.r./basalt	Peirce and others, 1979
148	UAKA-74-138		5.84	--	KA/w.r./basalt	Shafiqullah and others, 1980
592	UAKA-74-148	**	22.65	--	KA/w.r./K-rich volcanic	Shafiqullah and others, 1980
465	UAKA-74-149		19.20	--	KA/w.r./basalt	Shafiqullah and others, 1980
1428	UAKA-74-20	**	895.00	--	KA/musc/quartz monzonite	Shafiqullah and others, 1980
1286	UAKA-74-24		74.10	--	KA/w.r./basalt dike	Shafiqullah and others, 1980
229	UAKA-74-36		10.02	--	KA/w.r./olivine basalt	Shafiqullah and others, 1980
403	UAKA-74-37		17.24	--	KA/w.r./basalt	Shafiqullah and others, 1980
472	UAKA-74-38		19.41	--	KA/biot/rhyolite	Shafiqullah and others, 1980
510	UAKA-74-39		20.44	--	KA/w.r./olivine basalt	Shafiqullah and others, 1980
1282	UAKA-74-42		73.70	--	KA/horn/andesite	Shafiqullah and others, 1980
710	UAKA-74-80	**	25.40	--	KA/biot/pegmatite	Keith and others, 1980
190	UAKA-74-81		8.24	--	KA/w.r./basalt	Shafiqullah and others, 1980
203	UAKA-74-82		8.80	--	KA/w.r./basalt	Shafiqullah and others, 1980
658	UAKA-74-83		24.30	--	KA/w.r./dike	Keith and others, 1980

750	UAKA-74-89		26.30	-- KA/biot/andesite dike	Shafiqullah and Langlois, 1978
544	UAKA-75-04		21.37	-- KA/w.r./basalt	Shafiqullah and others, 1980
869	UAKA-75-105		30.03	-- KA/seri/veinlets	Shafiqullah and others, 1978
886	UAKA-75-105A		31.43	-- KA/w.r./andesite dike	Shafiqullah and others, 1978
705	UAKA-75-107	**	25.33	-- KA/biot/gneissic granite	Shafiqullah and others, 1980
10	UAKA-75-109		0.27	-- KA/w.r./basalt	Lynch, 1978
974	UAKA-75-115		47.80	-- KA/seri/quartz vein	Shafiqullah and others, 1980
986	UAKA-75-116	**	49.90	-- KA/biot/granite	Shafiqullah and Langlois, 1978
1296	UAKA-75-117		75.50	-- KA/biot/granodiorite	Christman, 1978
1040	UAKA-75-118		56.70	-- KA/seri/vein	Shafiqullah and Langlois, 1978
596	UAKA-75-21		22.80	-- KA/biot/biotite granite	Shafiqullah and others, 1980
582	UAKA-75-27		22.44	-- KA/w.r./K-rich volcanic	Shafiqullah and others, 1976
581	UAKA-75-28		22.42	-- KA/w.r./K-rich volcanic	Shafiqullah and others, 1976
529	UAKA-75-29	**	20.74	-- KA/w.r./K-rich volcanic	Shafiqullah and others, 1976
131	UAKA-75-30		5.28	-- KA/plag/basalt	Shafiqullah and others, 1980
1239	UAKA-75-49		70.50	-- KA/biot/quartz latite dike	Shafiqullah and others, 1980
52	UAKA-75-52A		1.76	-- KA/w.r./basalt	Peirce and others, 1979
398	UAKA-75-53	**	17.10	-- KA/w.r./K-rich cataclasite	Rehrig and others, 1980
743	UAKA-75-54		26.00	-- KA/biot/rhyolite tuff	Rehrig and others, 1980
1173	UAKA-75-55	**	65.60	-- KA/biot/granite	Rehrig and others, 1980
194	UAKA-75-57		8.46	-- KA/w.r./basalt	Shafiqullah and others, 1980
999	UAKA-75-61	**	52.20	-- KA/biot/biotite schist	Shafiqullah and others, 1980
1054	UAKA-75-61	**	57.60	-- KA/horn/gneiss	Shafiqullah and others, 1980
218	UAKA-75-62		9.55	-- KA/w.r./basalt	Shafiqullah and others, 1980
1299	UAKA-75-63		75.80	-- KA/biot/andesitic tuff	Keith, 1977
1317	UAKA-75-64		82.20	-- KA/horn/microdiorite	Keith, 1977
591	UAKA-75-76	**	22.63	-- KA/w.r./K-rich volcanic	Shafiqullah and others, 1976
580	UAKA-75-85		22.42	-- KA/horn/K-rich volcanic	Shafiqullah and others, 1976
691	UAKA-75-86	**	25.10	-- KA/biot/granodiorite	Banks and others, 1978b
645	UAKA-75-87		24.00	-- KA/biot/quartz monzonite dike	Banks and others, 1978b
1314	UAKA-75-88		80.80	-- KA/w.r./andesite dike	Keith, 1977
1004	UAKA-75-99		52.50	-- KA/biot/granite	Shafiqullah and others, 1980
1269	UAKA-76-01		72.80	-- KA/biot/quartz latite porphyry	Christman, 1978
1271	UAKA-76-01		72.90	-- KA/horn/quartz latite porphyry	Christman, 1978
1018	UAKA-76-106		54.56	-- KA/w.r./latite boulder	Peirce and others, 1979
1041	UAKA-76-106		56.79	-- KA/w.r./andesite boulder	Peirce and others, 1979
1186	UAKA-76-106		66.72	-- KA/w.r./basaltic andesite boulder	Peirce and others, 1979
559	UAKA-76-109		21.90	-- KA/w.r./basalt	Peirce and others, 1979
814	UAKA-76-110		28.03	-- KA/w.r./rhyolite	Peirce and others, 1979
890	UAKA-76-113		31.77	-- KA/w.r./andesite	Shafiqullah and others, 1978
1327	UAKA-76-114	**	94.70	-- KA/biot/diorite	Shafiqullah and others, 1980
888	UAKA-76-116	**	31.70	-- KA/biot/quartz diorite	Keith and others, 1980
177	UAKA-76-130		7.46	-- KA/w.r./basalt	Shafiqullah and others, 1980
496	UAKA-76-133		20.11	-- KA/biot/air-fall tuff	Scarborough and Wilt, 1979
721	UAKA-76-133	**	25.60	-- KA/plag/air-fall tuff	Scarborough and Wilt, 1979
613	UAKA-76-133B	**	23.40	-- KA/horn/tuff	Scarborough and Wilt, 1979
367	UAKA-76-16	**	16.10	-- KA/w.r./K-rich volcanic	Rehrig and others, 1980
1267	UAKA-76-25		72.60	-- KA/seri/granodiorite	Christman, 1978
339	UAKA-76-26		14.94	-- KA/biot/rhyolite	Christman, 1978
627	UAKA-76-31		23.67	-- KA/w.r./basaltic andesite	Shafiqullah and others, 1978
655	UAKA-76-33		24.20	-- KA/w.r./basaltic andesite	Shafiqullah and others, 1978
422	UAKA-76-41		17.81	-- KA/horn/andesite dike	Shafiqullah and others, 1980
957	UAKA-76-45	**	41.90	-- KA/biot/granodiorite	Shafiqullah and Langlois, 1978
995	UAKA-76-46	**	51.40	-- KA/biot/granodiorite	Shafiqullah and Langlois, 1978
1318	UAKA-76-66		82.70	-- KA/horn/basalt dike	Keith, 1977
204	UAKA-76-89		8.87	-- KA/w.r./basalt	Shafiqullah and others, 1980
541	UAKA-76-90		21.28	-- KA/w.r./trachyandesite	Shafiqullah and others, 1980
522	UAKA-76-94		20.62	-- KA/w.r./basalt	Peirce and others, 1979
595	UAKA-76-96		22.78	-- KA/w.r./andesite	Scarborough and Wilt, 1979
93	UAKA-77-04		3.19	-- KA/w.r./basalt	Shafiqullah and others, 1980
337	UAKA-77-106		14.81	-- KA/w.r./basalt	Scarborough and Wilt, 1979
543	UAKA-77-108		21.34	-- KA/w.r./basalt	Scarborough and Wilt, 1979
431	UAKA-77-144		18.15	-- KA/w.r./basalt	Shafiqullah and others, 1980
437	UAKA-77-145		18.31	-- KA/w.r./basalt	Shafiqullah and others, 1980
357	UAKA-77-146		15.53	-- KA/w.r./basaltic andesite	Shafiqullah and others, 1980
450	UAKA-77-147	**	18.70	-- KA/w.r./K-rich volcanic	Shafiqullah and others, 1980
429	UAKA-77-148	**	18.01	-- KA/w.r./K-rich volcanic	Shafiqullah and others, 1980
420	UAKA-77-149		17.71	-- KA/sani/rhyolite ash-flow tuff	Shafiqullah and others, 1980
336	UAKA-77-151		14.78	-- KA/w.r./andesite	Shafiqullah and others, 1980
215	UAKA-77-160		9.30	-- KA/w.r./olivine basalt	Peirce and others, 1979
221	UAKA-77-162		9.66	-- KA/w.r./basalt dike	Peirce and others, 1979
238	UAKA-77-164		10.57	-- KA/w.r./basalt	Peirce and others, 1979
329	UAKA-77-168		14.60	-- KA/w.r./basalt	Peirce and others, 1979
1119	UAKA-77-29		62.50	-- KA/biot/granodiorite	Shafiqullah and others, 1980
30	UAKA-77-33		0.93	-- KA/w.r./basalt	Shafiqullah and others, 1980
1208	UAKA-77-50		68.60	-- KA/horn/andesite	Shafiqullah and others, 1980
991	UAKA-77-60	**	50.80	-- KA/w.r./basaltic andesite	Shafiqullah and others, 1980

826	UAKA-77-61		28.30	-- KA/w.r./alkali basalt	Shafiqullah and others, 1978
726	UAKA-77-62		25.65	-- KA/w.r./dacite tuff	Shafiqullah and others, 1978
1025	UAKA-77-63	**	55.00	-- KA/biot/granite	Shafiqullah and others, 1980
1194	UAKA-77-64	**	67.10	-- KA/w.r./phyllite	Shafiqullah and others, 1980
993	UAKA-77-65	**	51.00	-- KA/biot/granite	Shafiqullah and others, 1980
787	UAKA-77-66		27.20	-- KA/biot/tuff	Shafiqullah and others, 1978
1344	UAKA-77-69	**	129.00	-- KA/para/granodiorite	Shafiqullah and others, 1980
297	UAKA-77-70		13.19	-- KA/w.r./basalt	Scarborough and Wilt, 1979
166	UAKA-77-72		6.40	-- KA/w.r./basalt	Peirce and others, 1979
168	UAKA-77-75		6.55	-- KA/w.r./basalt	Peirce and others, 1979
352	UAKA-77-76		15.40	-- KA/w.r./basalt	Peirce and others, 1979
310	UAKA-77-77		13.75	-- KA/w.r./basalt	Peirce and others, 1979
979	UAKA-78-27	**	48.30	-- KA/horn/amphibolite	Reynolds, 1985
407	UAKA-78-30	**	17.35	-- KA/w.r./K-rich volcanic	Scarborough and Wilt, 1979
358	UAKA-78-31		15.62	-- KA/w.r./basalt	Scarborough and Wilt, 1979
523	UAKA-78-32		20.62	-- KA/w.r./basaltic andesite	Scarborough and Wilt, 1979
693	UAKA-78-33		25.10	-- KA/w.r./rhyolite	Scarborough and Wilt, 1979
417	UAKA-78-34		17.56	-- KA/w.r./basaltic andesite	Scarborough and Wilt, 1979
249	UAKA-78-35		11.05	-- KA/w.r./basalt	Scarborough and Wilt, 1979
332	UAKA-78-36		14.67	-- KA/w.r./basalt	Scarborough and Wilt, 1979
331	UAKA-78-38		14.64	-- KA/w.r./basalt	Scarborough and Wilt, 1979
754	UAKA-78-39		26.48	-- KA/w.r./K-rich volcanic	Scarborough and Wilt, 1979
391	UAKA-78-40		16.63	-- KA/w.r./basaltic andesite	Scarborough and Wilt, 1979
789	UAKA-78-41		27.29	-- KA/w.r./basaltic andesite	Scarborough and Wilt, 1979
421	UAKA-78-42		17.72	-- KA/w.r./basaltic andesite	Scarborough and Wilt, 1979
306	UAKA-78-43		13.60	-- KA/w.r./basalt dike	Scarborough and Wilt, 1979
348	UAKA-78-44		15.39	-- KA/w.r./basalt	Scarborough and Wilt, 1979
276	UAKA-78-45		12.19	-- KA/w.r./basalt	Scarborough and Wilt, 1979
487	UAKA-78-46		19.90	-- KA/w.r./rhyolite	Scarborough and Wilt, 1979
626	UAKA-78-47		23.64	-- KA/w.r./rhyolite	Scarborough and Wilt, 1979
493	UAKA-78-48		20.02	-- KA/w.r./basalt	Scarborough and Wilt, 1979
361	UAKA-78-49	**	15.77	-- KA/w.r./K-rich volcanic	Scarborough and Wilt, 1979
927	UAKA-78-63	**	36.00	-- KA/musc/granite	Shafiqullah and Langlois, 1978
1057	UAKA-78-64		58.00	-- KA/k-sp/quartz monzonite porphyry	Shafiqullah and Langlois, 1978
938	UAKA-78-66	**	37.70	-- KA/seri/quartz diorite	Keith and others, 1980
518	UAKA-78-80	**	20.50	-- KA/biot/granodiorite	Reynolds, 1985
497	UAKA-78-81	**	20.20	-- KA/biot/granodiorite	Reynolds, 1985
828	UAKA-79-133	**	28.40	-- KA/horn/microdiorite dike	Reynolds, 1985
318	UAKA-79-55		14.00	-- KA/w.r./basalt	Shafiqullah and others, 1980
385	UAKA-79-66		16.57	-- KA/w.r./basaltic andesite	Scarborough and Wilt, 1979
468	UAKA-80-126		19.24	-- KA/sani/rhyolite	Scarborough, 1981
413	UAKA-80-127		17.46	-- KA/w.r./rhyolite	Scarborough, 1981
354	UAKA-80-128		15.43	-- KA/plag/rhyolite tuff	Scarborough, 1981
321	UAKA-80-129		14.23	-- KA/w.r./basalt	Scarborough, 1981
42	UAKA-80-131		1.53	-- KA/w.r./basalt	Condit and Shafiqullah, 1985
51	UAKA-80-132		1.74	-- KA/w.r./basalt	Condit and Shafiqullah, 1985
53	UAKA-80-133		1.78	-- KA/w.r./basalt	Condit and Shafiqullah, 1985
54	UAKA-80-134		1.83	-- KA/w.r./basalt	Condit and Shafiqullah, 1985
200	UAKA-80-135		8.66	-- KA/w.r./basalt	Condit and Shafiqullah, 1985
208	UAKA-80-136		8.97	-- KA/w.r./basalt	Condit and Shafiqullah, 1985
1383	UAKA-80-47		210.00	-- KA/w.r./volcanic cobble	Peirce and others, 1985
1381	UAKA-80-48		196.00	-- KA/w.r./volcanics	Peirce and others, 1985
589	UAKA-81-30		22.60	-- KA/w.r./basalt	Scarborough, 1981
546	UAKA-81-31		21.40	-- KA/w.r./andesite	Scarborough, 1981
47	UAKA-82-183		1.65	-- KA/w.r./basalt	Condit and Shafiqullah, 1985
12	UAKA-82-184		0.48	-- KA/w.r./basalt	Condit and Shafiqullah, 1985
60	UAKA-82-185		2.00	-- KA/w.r./basalt	Condit and Shafiqullah, 1985
45	UAKA-82-190		1.56	-- KA/w.r./bermoreite	Aubele and others, 1986
39	UAKA-82-191		1.30	-- KA/w.r./olivine basalt	Aubele and others, 1986
37	UAKA-82-192		1.19	-- KA/w.r./picritic basalt	Aubele and others, 1986
35	UAKA-82-193		1.05	-- KA/w.r./basalt	Aubele and others, 1986
58	UAKA-82-194		1.98	-- KA/w.r./basalt	Aubele and others, 1986
11	UAKA-82-195		0.30	-- KA/w.r./basalt	Aubele and others, 1986
34	UAKA-82-196		1.04	-- KA/w.r./basalt	Aubele and others, 1986
19	UAKA-82-197		0.67	-- KA/w.r./quartz-olivine basalt	Aubele and others, 1986
62	UAKA-82-95		2.05	-- KA/w.r./basalt	Condit and Shafiqullah, 1985
41	UAKA-82-96		1.47	-- KA/w.r./basalt	Condit and Shafiqullah, 1985
27	UAKA-84-86		0.88	-- KA/w.r./basalt	Bryan, 1986
801	UAKA-84-87		27.60	-- KA/biot/ash-flow tuff	Bryan, 1986
528	UAKA-84-88	**	20.70	-- KA/k-sp/latite	Bryan, 1986
704	UAKA-84-89		25.30	-- KA/biot/rhyolite	Bryan, 1986
284	UAKA-85-38		12.70	-- KA/phlo/lamprophyre	Smith, 1986
1385	UAKA-85-90		222.80	-- KA/w.r./volcanic cobble	Peirce and others, 1985
1384	UAKA-85-91		222.20	-- KA/w.r./volcanic cobble	Peirce and others, 1985
654	VAW-60-29		24.20	-- KA/biot/tuff	Marvin and Dobson, 1979
583	VHNE-168N	**	22.50	-- FT/apat/quartz monzonite	Banks and others, 1978a
1003	VHNE-168N	**	52.50	-- FT/zirc/quartz monzonite	Banks and others, 1978a

1108	VHNE-168N		61.70	--	FT/sphe/quartz monzonite	Banks and others, 1978a
482	VHNE-169N	**	19.70	--	FT/apat/granite	Banks and others, 1978a
1029	VHNE-169N	**	55.70	--	FT/zirc/granite	Banks and others, 1978a
1256	VHSE-7N		71.90	--	KA/biot/quartz latite	Banks and others, 1978a
490	VHSW-3N		20.00	--	KA/w.r./trachyandesite	Banks and others, 1978a
594	VHSW-3N		22.70	--	KA/plag/trachyandesite	Banks and others, 1978a
142	VV1		5.68	--	KA/w.r./basalt	McKee and Anderson, 1971
597	W-10		22.80	--	KA/biot/rhyolite dike	Marvin and Dobson, 1979
1469	W-123	**	1240.00	--	SR/biot/granodiorite	Marvin and Cole, 1978
1486	W-38	**	1320.00	--	KA/musc/granite	Marvin and Dobson, 1979
1197	W-65A		67.30	--	KA/biot/granodiorite porphyry	Marvin and Dobson, 1979
1198	W-86		67.30	--	KA/biot/rhyodacite dike	Marvin and Dobson, 1979
1172	Y79:1		65.50	--	KA/ /diorite	Young, 1979
680	Y79:2		24.90	--	KA/ /	Young, 1979
225	YU-179-PW		10.00	--	KA/w.r./basalt	Armstrong and others, 1976

Part V

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Appendix

The Appendix lists age determinations that are of uncertain geochronologic significance. These include all lead-alpha age determinations, several invalid Rb-Sr isochron ages and single point Rb-Sr model ages based on questionable assumptions, and two K-Ar age determinations whose purpose was to identify excess argon problems. The following list contains all the information contained in the computerized database for these ages. The dates are listed in order of increasing age. Information on each date is displayed in the following format:

AGE AND UNCERTAINTY (in m.y.) (**) RECORD #
METHOD/MATERIAL DATED/ROCK TYPE **NAME OF ROCK UNIT** REFERENCE
AREA -- COMMENTS. QUADRANGLE. COUNTY. (LATITUDE AND LONGITUDE).
LABORATORY WHERE DATED, CONSTANT USED, **SAMPLE NUMBER.**

** - See comments for interpretation of age determination.

9.18 ± 0.00 ** # 1
SR/w.r./quartz monzonite Tortolita Quartz Monzonite Damon and others, 1969
Tortolita Mtns. -- Wild Burro Canyon. Isochron includes two fresh granite samples and sample PED-2-68, a pegmatite dike with associated large uncertainty. Invalid age. See Keith and others (1980) for interpretation. Sri=0.7090+/-0.0010, 3 pts. Ruelas Canyon quad., PM county (32° 28.30', 111° 5.00'). L-1, #PED-2,3,5-68.

17.10 ± 0.00 ** # 2
SR/w.r./quartz monzonite Tortolita Quartz Monzonite Damon and others, 1969
Tortolita Mtns. -- Wild Burro Canyon. Age is too young on middle Tertiary pluton. See Keith and others (1980) for interpretation of data. Sri=0.7090+/-0.0010, 2 pts. Ruelas Canyon quad., PM county (32° 28.30', 111° 5.00'). L-1, #PED-3,5-68.

29.40 ± 30.00 ** # 3
SR/w.r./granite Catalina granite Giletti and Damon, 1961
Santa Catalina Mtns. -- Sample collected from 150 m from Pirate Fault zone. Model age. 1 pt. Oracle quad., PM county (32° 33.00', 110° 45.30'). L-A, #PED-26-57.

40.00 ± 10.00 ** # 4
PA/zirc/latite vitrophyre Grosvenor Hills Volcanics Marvin and others, 1973
Santa Rita Mtns. -- K-Ar ages of 26.7 m.y. (biotite) and 27.7 m.y. (hornblende) have been obtained from the same sample. Sample 315 of Drewes, 1971a. Patagonia quad., PM county (31° 31.25', 110° 50.92'). L-2, C-3, #M73:17.

40.00 ± 10.00 ** # 5
PA/zirc/rhyolite porphyry Gardner Canyon dike swarm Marvin and others, 1973
Santa Rita Mtns. -- Dikes are likely Oligocene. Mt. Wrightson quad., PM county (31° 43.23', 110° 46.05'). L-2, C-3, #M73:20.

50.00 ± 10.00 ** # 6
PA/zirc/microgranodiorite Gringo Gulch Volcanics Marvin and others, 1973
Santa Rita Mtns. -- A K-Ar age of 61.3 m.y. was obtained from hornblende from this sample. Patagonia quad., PM county (31° 35.17', 110° 46.67'). L-2, C-3, #M73:28.

54.00 ± 0.00 ** # 7
PA/zirc/quartz monzonite New Cornelia stock Rose and Cook, 1965
Little Ajo Mtns. -- Medium-grained, equigranular intrusive, highly altered. Ajo quad., PM county (32° 22.00', 112° 52.50'). C-3.

60.00 ± 10.00 ** # 8
PA/zirc/granite Santa Teresa Granite Simons, 1964
Santa Teresa Mtns. -- Tertiary intrusion into Pinal Schist. Biotite from this pluton has yielded a 22.8 m.y. K-Ar date. Klondyke quad., GM county (32° 52.00', 110° 17.00'). L-2, C-3, #60K-S-G2.

60.00 ± 10.00 ** # 9
PA/zirc/latitic lava Mt. Wrightson Formation Marvin and others, 1973
Santa Rita Mtns. -- Age is too young. Formation considered by Drewes (1968, 1971b) to be Triassic, but could be Jurassic. Mt. Hopkins quad., PM county (31° 41.66', 110° 58.50'). L-2, C-3, #M73:26.

60.00 ± 10.00 ** # 10
PA/zirc/diorite Josephine Canyon Diorite Marvin and others, 1973
Santa Rita Mtns. -- Sample 292 of Drewes (1971a). A biotite K-Ar date of 68.7 m.y. is reported for this pluton. Patagonia quad., PM county (31° 35.92', 110° 50.66'). L-2, C-3, #M73:29.

60.00 ± 10.00 ** # 11
PA/zirc/diorite Josephine Canyon Diorite Marvin and others, 1973
Santa Rita Mtns. -- Sample 316 of Drewes (1971a). A biotite K-Ar age of 68.7 m.y. as obtained from biotite from this sample. Patagonia quad., PM county (31° 34.92', 110° 51.17'). L-2, C-3, #M73:30.

60.00 ± 20.00 ** # 12
PA/zirc/quartz monzonite Josephine Canyon Diorite Marvin and others, 1973
Santa Rita Mtns. -- Fine-grained quartz monzonite phase of unit. Sample 507 of Drewes (1971a). Patagonia quad., PM county (31° 32.83', 110° 49.66'). L-2, C-3, #M73:31.

60.00 ± 10.00 ** # 13
PA/zirc/dacite porphyry Paleocene dike Marvin and others, 1973
Santa Rita Mtns. -- Sample 379 of Drewes (1971a). K-Ar dating of hornblende from this sample yielded an age of 69.0 m.y. Mt. Wrightson quad., PM county (31° 37.92', 110° 47.50'). L-2, C-3, #M73:32.

65.00 ± 0.00 ** # 14
PA/zirc/quartz monzonite New Cornelia stock Rose and Cook, 1965
Little Ajo Mtns. -- Medium-grained, equigranular intrusive, highly altered. Ajo quad., PM county (32° 22.00', 112° 52.50'). C-3.

65.00 ± 10.00 ** # 15
PA/zirc/rhyolite San Simon rhyolite Marvin and Dobson, 1979
San Simon Valley -- Safford quad., GM county (32° 45.92', 109° 30.65'). L-2, C-3, #YT-133.

65.00 ± 10.00 ** # 16
PA/zirc/rhyolite San Simon rhyolite Marvin and Dobson, 1979
San Simon Valley -- Safford quad., GM county (32° 45.91', 109° 30.59'). L-2, C-3, #YT-138.

67.80 ± 0.00 ** # 17
SR/w.r./pegmatite Pegmatite in Apache Group Damon and others, 1969
Santa Catalina Mtns. -- A large, irregular dike discordant to the folded enclosing Apache group sediments. Isochron constructed from pegmatite point and average of four Leatherwood diorite plots. Date is invalid. Sri=0.7090+/-0.0010, 5 pts. Bellota Ranch quad., PM county (32° 25.65', 110° 44.50'). L-1, #PDP-6-68.

71.50 ± 0.00 ** # 18
SR/w.r./granite Gila Mtns.(?) granite Wasserburg and Lanphere, 1965
Gila Mtns.(?) -- Model age. Sample reported from "near Yuma". Approximate lat-lon. Sri=0.7060+/-0.0000 (assumed), 1 pt. Yuma East quad., YU county (32° 41.76', 114° 36.40'). L-8, #A-45.

80.00 ± 15.00 ** # 19
PA/zirc/quartz monzonite Empire stock Marvin and others, 1973
Empire Mtns. -- A K-Ar age of 71.9 m.y. was obtained from biotite from another sample from this intrusive. Mt. Fagan quad., PM county (31° 54.50', 110° 39.33'). L-2, C-3, #M73:75.

90.00 ± 30.00 ** # 20
PA/zirc/quartz monzonite Huachuca Quartz Monzonite Marvin and others, 1973
Huachuca Mtns. -- Age is too young. A K-Ar age of 167 m.y. was obtained from biotite from a nearby sample. Montezuma Pass quad., CH county (31° 22.00', 110° 17.00'). L-2, C-3, #M73:62.

91.00 ± 29.00 ** # 21
SR/w.r./welded tuff Welded tuff of Esperanza Pit Damon and others, 1965
Sierrita Mtns. -- Southwest rim of Esperanza Pit. The unit is intruded by Laramide plutonic rocks and overlain by Silver Bell-type volcanic rocks. Poorly constrained model age. Sri=0.7100+/-0.0040 (assumed), 1 pt. Batamote Hills quad., PM county (31° 51.25', 111° 7.50'). L-1, #RM-6-64.

91.10 ± 18.20 ** # 22
SR/w.r./granite Catalina & Wilderness granites Hoelle, 1976
Santa Catalina Mtns. -- Isochron constructed from Catalina granite, inclusions, and Wilderness suite samples. Age is not valid. See Keith and others (1980) for interpretation of data. Sri=0.7078+/-0.0002, 7 pts. Oracle quad., PM county (32° 30.00', 110° 51.00'). L-1, #SEVERAL.

110.0 ± 20.0 ** # 23
PA/zirc/quartz monzonite Empire stock Marvin and others, 1973
Empire Mtns. -- Age is too old. A K-Ar age of 71.9 m.y. was obtained from biotite from another sample from this intrusive. Mt. Fagan quad., PM county (31° 53.25', 110° 37.66'). L-2, C-3, #M73:76.

117.0 ± 3.0 ** # 24
KA/oliv/basalt Vulcans Throne basalt Damon and others, 1967
Grand Canyon -- Central part. Along Colorado River below Vulcans Throne. Stage III flow with large pyroxene phenocrysts and pyroxene-olivine clots. Dated to evaluate effect of excess argon on low-K mineral. Latitude in original reference is incorrect Vulcans Throne quad., MO county (36° 13.20', 113° 5.10'). L-1, C-3, K%= -.1, *Ar=67, #PED-46-66.

117.5 ± 60.0 ** # 25
SR/w.r./quartz monzonite Tucson Basin granite Eberly and Stanley, 1978
Tucson Basin -- From 3753 m level of Exxon State 32-1 well. Poorly constrained model age only indicates Mesozoic-Cenozoic age. Sri=0.7090+/-0.0005, 1 pt. Tucson SE quad., PM county (32° 4.08', 110° 49.51'). L-1, #ES:24.

147.0 ± 90.0 ** # 26
SR/w.r./granite Wilderness granite Giletti and Damon, 1961
Santa Catalina Mtns. -- Collected from Hitchcock Memorial area on Mt. Lemmon Highway. Age is invald. 1 pt. Agua Caliente Hill quad., PM county (32° 22.10', 110° 43.00'). L-A.

150.0 ± 20.0 ** # 27
PA/zirc/alkali granite Sierrita Granite Marvin and others, 1973
Sierrita Mtns. -- Sample T169 of Cooper (1971). Damon and others (1966) reported an Rb-Sr model age of 137 m.y. for an alkali granite sample collected nearby. Twin Buttes quad., PM county (31° 54.00', 111° 11.50'). L-2, C-3, #M73:11.

150.0 ± 20.0 ** # 28
PA/zirc/alkali syenite Comoro Canyon granite Marvin and others, 1973
Patagonia Mtns. -- Pluton mapped and reported as Jurassic by Simons (1972). Cumero Canyon quad., SC county (31° 28.00', 110° 46.50'). L-2, C-3, #M73:55.

160.0 ± 20.0 ** # 29
PA/zirc/granite Squaw Gulch Granite Marvin and others, 1973
Santa Rita Mtns. -- Sample 605 of Drewes (1971a). A biotite K-Ar age of 148 m.y. has been obtained from biotite from this sample. San Cayetano Mtn. quad., PM county (31° 36.30', 110° 56.33'). L-2, C-3, #M73:38.

160.0 ± 20.0 ** # 30
PA/zirc/granite Squaw Gulch Granite Marvin and others, 1973
Santa Rita Mtns. -- Sample 282 of Drewes (1971a). Patagonia quad., PM county (31° 34.25', 110° 49.09'). L-2, C-3, #M73:39.

160.0 ± 20.0 ** # 31
PA/zirc/granite Comoro Canyon granite Marvin and others, 1973
Patagonia Mtns. -- Pluton mapped and reported as Jurassic by Simons (1972). Cumero Canyon quad., SC county (31° 26.50', 110° 47.00'). L-2, C-3, #M73:58.

170.0 ± 20.0 ** # 32
PA/zirc/quartz porphyry Elephant Head Quartz Monzonite Marvin and others, 1973
Santa Rita Mtns. -- Sample 754 of Drewes (1971a). A K-Ar age of 69.9 m.y. has been obtained from biotite from this sample. Mt. Hopkins quad., PM county (31° 42.59', 110° 56.00'). L-2, C-3, #M73:33.

170.0 ± 35.0 ** # 33
PA/zirc/rhyolite (?) tuff Gardner Canyon Formation Marvin and others, 1973
Empire Mtns. -- Unit is probably Jurassic. The Narrows quad., PM county (31° 55.83', 110° 36.66'). L-2, C-3, #M73:77.

180.0 ± 20.0 ** # 34
PA/zirc/welded tuff Temporal Formation Marvin and others, 1973
Santa Rita Mtns. -- Sample 905 of Drewes (1971a) who considered the formation to be probably Early Cretaceous and the dated zircons likely xenocrystic. Patagonia quad., PM county (31° 34.66', 110° 47.83'). L-2, C-3, #M73:41.

180.0 ± 20.0 ** # 35
PA/zirc/monzonite Piper Gulch Monzonite Marvin and others, 1973
Santa Rita Mtns. -- Sample 280 of Drewes (1971a). Drewes (1968) described this unit as Triassic, but the pluton may be Jurassic. Mt. Wrightson quad., PM county (31° 37.66', 110° 49.59'). L-2, C-3, #M73:42.

180.0 ± 30.0 ** # 36
PA/zirc/quartz monzonite Piper Gulch Monzonite Marvin and others, 1973
Santa Rita Mtns. -- Drewes (1968) described this unit as Triassic but the pluton may be Jurassic. Helvetia quad., PM county (31° 45.50', 110° 46.00'). L-2, C-3, #M73:43.

190.0 ± 20.0 ** # 37
PA/zirc/quartz monzonite Harris Ranch Quartz Monzonite Marvin and others, 1973
Sierrita Mtns. -- A K-Ar cooling age from biotite of 41 m.y. is also reported for this Jurassic (?) unit. Batamote Hills quad., PM county (31° 52.00', 111° 10.00'). L-2, C-3, #M73:12.

190.0 ± 30.0 ** # 38
PA/zirc/quartz monzonite Elephant Head Quartz Monzonite Marvin and others, 1973
Santa Rita Mtns. -- Sample 876 of Drewes (1971a). Age is too old. A K-Ar age of 70.8 m.y. has been obtained from biotite from this sample. Mt. Hopkins quad., PM county (31° 43.59', 110° 53.83'). L-2, C-3, #M73:34.

190.0 ± 20.0 ** # 39
PA/zirc/dacite flow Gardner Canyon Formation Marvin and others, 1973
Santa Rita Mtns. -- Upper member of formation. Sample 339 of Drewes (1971a). Mt. Wrightson quad., PM county (31° 43.25', 110° 46.09'). L-2, C-3, #M73:44.

190.0 ± 30.0 ** # 40
PA/zirc/quartz monzonite Harris Ranch Quartz Monzonite Marvin and others, 1973
Sierrita Mtns. -- A K-Ar cooling age of 41 m.y. is reported for the same sample from this Jurassic (?) pluton. Palo Alto Ranch quad., PM county (31° 56.00', 111° 16.00'). L-2, C-3, #M73:13.

210.0 ± 30.0 ** # 41
PA/zirc/granodiorite Huachuca Quartz Monzonite Marvin and others, 1973
Huachuca Mtns. -- Age is apparently too old. A biotite K-Ar age of 167 m.y. was obtained from a nearby sample. Montezuma Pass quad., CH county (31° 21.00', 110° 15.00'). L-2, C-3, #M73:64.

210.0 ± 30.0 ** # 42
PA/zirc/welded tuff Gardner Canyon Formation (?) Marvin and others, 1973
Empire Mtns. — Unit is probably Jurassic. Empire Ranch quad., PM county (31° 51.11', 110° 44.96'). L-2, C-3, #M73:78.

218.0 ± 0.0 ** # 43
SR/w.r./pegmatite Pegmatite in Apache Group Damon and others, 1969
Santa Catalina Mtns. -- Sample of a small concordant pegmatite lens near the crest of a fold in the meta-Apache group. Isochron constucted combining this and four Leatherwood Quartz Diorite samples. Date is invalid. Sri=0.7090+/-0.0010, 5 pts. Bellota Ranch quad., PM county (32° 25.50', 110° 44.40'). L-1, #PDP-5-68.

220.0 ± 30.0 ** # 44
PA/zirc/latitic lava Mt. Wrightson Formation Marvin and others, 1973
Santa Rita Mtns. -- Sample 918 of Drewes (1971a). Mt. Wrightson quad., PM county (31° 42.00', 110° 51.00'). L-2, C-3, #M73:45.

220.0 ± 35.0 ** # 45
PA/zirc/andesite Glance Conglomerate Marvin and others, 1973
Huachuca Mtns. -- Andesite unit in Glance Conglomerate. Age is too old. Huachuca Peak quad., CH county (31° 27.75', 110° 23.17'). L-2, C-3, #M73:66.

240.0 ± 30.0 ** # 46
PA/zirc/quartz monzonite Patagonia quartz monzonite Marvin and others, 1973
Patagonia Mtns. -- Anomalous age. Pluton considered to be Precambrian. Cumero Canyon quad., SC county (31° 27.00', 110° 49.00'). L-2, C-3, #M73:59.

250.0 ± 45.0 ** # 47
PA/zirc/dacite volcanic breccia Bathtub Formation Marvin and others, 1973
Santa Rita Mtns. -- Middle member of formation. Sample 1113 of Drewes (1971a). Patagonia quad., PM county (31° 37.42', 110° 47.50'). L-2, C-3, #M73:46.

260.0 ± 30.0 ** # 48
PA/zirc/rhyolite tuff Fort Crittenden Formation Marvin and others, 1973
Santa Rita Mtns. — Sample 1046 of Drewes (1971a), who described the formation as Late Cretaceous. This age is too old. Green Valley quad., PM county (31° 45.42', 110° 57.00'). L-2, C-3, #M73:47.

310.0 ± 40.0 ** # 49
PA/zirc/welded tuff Mustang tuff Marvin and others, 1973
Mustang Mtns. -- Age is considered spurious. Tuff mapped as Triassic-Jurassic by Hayes and Raup (1968). Mustang Mtns. quad., SC county (31° 39.00', 110° 28.00'). L-2, C-3, #M73:72.

520.0 ± 60.0 ** # 50
PA/zirc/granite Comoro Canyon granite Marvin and others, 1973
Patagonia Mtns. -- Age is considered spurious. A Pb-alpha age of 150 m.y. was obtained for sample M73:55 from the same pluton. Cumero Canyon quad., SC county (31° 29.74', 110° 46.00'). L-2, C-3, #M73:60.

800.0 ± 80.0 ** # 51
SR/w.r./granodiorite Continental Granodiorite Drewes, 1968
Santa Rita Mtns. -- Porpyroblastic granodiorite. From Z. Peterman, written communication (1966). Age is too young. 1(?) pt. Helvetia quad., PM county (31° 47.92', 110° 46.83'). L-2, C-?, #65-D-914.

850.0 ± 100.0 ** # 52
PA/zirc/quartz monzonite Continental Granodiorite (?) Marvin and others, 1973
Sierrita Mtns. — Gneissic quartz monzonite, part of a Precambrian granitic complex. Twin Buttes quad., PM county (31° 54.00', 111° 5.00'). L-2, C-3, #M73:14.

1200 ± 130 ** # 53
PA/zirc/quartz monzonite Oracle Granite Marvin and Dobson, 1979
San Manuel area — Samples from drill hole 15 at 378-379.5 and 394.8-396.3 m depths. Mammoth quad., PN county (32° 41.00', 110° 40.50'). L-2, C-3, #SQM-1.

1250 ± 140 ** # 54
PA/zirc/quartz monzonite Oracle Granite Marvin and Dobson, 1979
San Manuel area -- Samples from drill-hole "P" at 426.8-428.3 m depths and drill-hole "Q" at 338.0-339.5 m depths. Mammoth quad., PN county (32° 41.00', 110° 40.50'). L-3, C-3, #SQM-3.

1280 ± 150 ** # 55
PA/zirc/quartz monzonite Patagonia quartz monzonite Marvin and others, 1973
Patagonia Mtns. -- Precambrian pluton mapped by Simons (1973). Harshaw quad., SC county (31° 25.59', 110° 42.17'). L-2, C-3, #M73:61.

1320 ± 150 ** # 56
PA/zirc/quartz monzonite Oracle Granite Marvin and Dobson, 1979
San Manuel area -- Samples from drill-hole "O" at 329.0-330.5 and 332.2-333.7 m depths. Mammoth quad., PN county (32° 41.00', 110° 40.50'). L-2, C-3, #SQM-2.

1360 ± 200 ** # 57
PA/zirc/granodiorite Continental Granodiorite Marvin and others, 1973
Santa Rita Mtns. -- Porphyroblastic granodiorite. Sample 1046 of Drewes (1971c) who considered the unit to be Precambrian. Helvetia quad., PM county (31° 47.92', 110° 48.50'). L-2, C-3, #M73:48.

1450 ± 160 ** # 58
PA/zirc/granodiorite Continental Granodiorite Marvin and others, 1973
Santa Rita Mtns. -- Porphyroblastic granodiorite. Sample 914 of Drewes (1971c). A reduced Rb-Sr age of 800 m.y. was obtained from this sample. Helvetia quad., PM county (31° 47.92', 110° 46.83'). L-2, C-3, #M73:49.

2070 ± 60 ** # 59
KA/guar/pegmatite Canoa Ranch pegmatite Laughlin, 1969
Sierrita Mtns. -- Albite-muscovite-quartz-beryl pegmatite that has intruded Ruby Star Granodiorite. Date on quartz used to evaluate excess argon in early Tertiary pegmatite. Precise location not reported, but assumed to be same as sample RM-09-63. Twin Buttes quad., PM county (31° 59.10', 111° 7.80'). L-1, C-3, K% = -.1, *Ar=54, #AWL-05-66.