UNITED STATES DEPARTMENT OF THE INTERIOR
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**Analytical results and sample locality maps
of stream-sediment, heavy-mineral-concentrate, and rock samples
from the Kofa National Wildlife Refuge,
Yuma and La Paz Counties, Arizona**

By

B. M. Adrian, D. B. Smith, R. H. Hill,
T. A. Roemer, R. B. Vaughn, and T. A. Delaney

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INTRODUCTION

In 1984 and 1985 the U.S. Geological Survey conducted a reconnaissance geochemical survey of the Kofa National Wildlife Refuge and proposed additions to the refuge, Yuma and La Paz Counties, Arizona, as part of a mineral assessment study.

The Kofa National Wildlife Refuge comprises about 1,030 mi² (660,000 acres) and lies about 30 mi (19 km) northeast of Yuma, Arizona (see fig. 1). The proposed additions to the refuge comprise about 136 mi² (87,200 acres). Best access to the study area is provided on the west by several gravel roads leading from U.S. Highway 95.

The geologic character of the Kofa National Wildlife Refuge region of southwestern Arizona has been shaped by several diverse tectonic regimes: Proterozoic plutonism, Paleozoic cratonic sedimentation, Jurassic continental-arc volcanism, Jurassic intra-arc sedimentation, Jurassic plutonism and regional metamorphism, Jurassic and (or) Cretaceous thrust faulting, Cretaceous(?) intracontinental basin formation, and late Cenozoic volcanism and crustal extension. The northern third of the region was originally part of the Paleozoic craton of interior southwestern North America, whereas the southern two-thirds is not clearly tied to the craton and is fundamentally part of the Jurassic magmatic arc that extended across the continental margin of southwestern North America. Most of the area of the refuge is underlain by Jurassic, Jurassic(?) and (or) Cretaceous, and Tertiary rocks.

The geologic map of the Quartzite quadrangle by Miller (1970) was the only detailed geology available for the refuge prior to mapping conducted as part of this mineral assessment study. The geologic maps produced during this study will be released as separate publications in the future. The following references discuss various aspects of geology and tectonics of the study area: Dahn and Hankins (1982); Gutmann (1981); Hankins (1984); Krason and others (1982); Logan and Hirsch (1982); Miller and McKee (1971); and Shafiqullah and others (1980).

The topographic relief in the study area is about 4,200 ft (1,270 m) with a maximum elevation of 4,877 ft (1,487 m). The land surface ranges from rugged hills and steep-walled arroyos to broad, sandy washes. The climate is arid.

METHODS OF STUDY

Sample Media

Analyses of the stream-sediment samples represent the chemistry of the rock material eroded from the drainage basin upstream from each sample site. Such information is useful in identifying those basins which contain concentrations of elements that may be related to mineral deposits. Heavy-mineral-concentrate samples provide information about the chemistry of certain minerals in rock material eroded from the drainage basin upstream from each sample site. The selective concentration of minerals, many of which may be ore-related, permits determination of some elements that are not easily detected in stream-sediment samples.

Analyses of unaltered or unmineralized rock samples provide background geochemical data for individual rock units. On the other hand, analyses of altered or mineralized rocks, where present, may provide useful geochemical information about the major- and trace-element assemblages associated with a mineralizing system.

Figure 1. Location map of the Kofa National Wildlife Refuge, Yuma and La Paz County, Arizona.

Sample Collection

Both a stream-sediment sample and a heavy-mineral-concentrate sample were collected at 493 sites (pl. 1) representing a sample density of one sample per 2.36 sq mi. A total of 656 rock samples were collected.

Stream-sediment samples

The stream-sediment samples consisted of active alluvium collected primarily from first-order (unbranched) and second-order (below the junction of two first-order) streams as shown on USGS topographic maps (scale = 1:62,500). Each sample was composited from several localities within an area that may extend as much as 50 ft from the site plotted on the map.

Heavy-mineral-concentrate samples

Heavy-mineral-concentrate samples were collected from the same active alluvium as the stream-sediment samples. Each bulk sample was screened with a 2.0-mm (10-mesh) screen to remove the coarse material. The less than 2.0-mm fraction was panned until most of the quartz, feldspar, organic material, and clay-sized material were removed.

Rock samples

Rock samples were collected from outcrops or exposures in the vicinity of the plotted site location. Samples were collected from both fresh, unaltered rocks and altered and (or) mineralized rocks. Table 1 gives a brief description of the rock samples.

Sample Preparation

The stream-sediment samples were air dried, then sieved using 80-mesh (0.17-mm) stainless steel sieves. The portion of the sediment passing through the sieve was saved for analysis.

After air drying, bromoform (specific gravity 2.8) was used to remove the remaining quartz and feldspar from the heavy-mineral-concentrate samples that had been panned in the field. The resultant heavy-mineral sample was separated into three fractions using a large electromagnet (in this case a modified Frantz Isodynamic Separator). The most magnetic material, primarily magnetite, was not analyzed. The second fraction, largely ferromagnesian silicates and iron oxides, was saved for analysis/archival storage. The third fraction (the least magnetic material which may include the nonmagnetic ore minerals, zircon, sphene, etc.) was split using a Jones splitter. One split was hand-ground for spectrographic analysis; the other split was saved for mineralogical analysis. These magnetic separates are the same separates that would be produced by using a Frantz Isodynamic Separator set at a slope of 15° and a tilt of 10° with a current of 0.1 ampere to remove the magnetite and ilmenite, and a current of 1.0 ampere to split the remainder of the sample into paramagnetic and nonmagnetic fractions.

Rock samples were crushed and then pulverized to minus 0.15 mm with ceramic plates.

Sample Analysis

Spectrographic method

The stream-sediment, heavy-mineral-concentrate, and rock samples were analyzed for 31 elements using a semiquantitative, direct-current arc emission spectrographic method (Grimes and Marranzino, 1968). The elements analyzed and their lower limits of determination are listed in Table 2. Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting interval at the 83 percent confidence level and plus or minus two reporting intervals at the 96 percent confidence level (Motooka and Grimes, 1976). Values determined for the major elements (iron, magnesium, calcium, and titanium) are given in weight percent; all others are given in parts per million (micrograms/gram). Analytical data for samples from the Kofa National Wildlife Refuge are listed in Tables 4-6.

Chemical Methods

Other methods of analysis used on samples from the Kofa National Wildlife Refuge are summarized in Table 3.

Analytical results for stream-sediment, heavy-mineral-concentrate, and rock samples are listed in tables 4, 5, and 6, respectively.

ROCK ANALYSIS STORAGE SYSTEM

Upon completion of all analytical work, the analytical results were entered into a computer-based file called Rock Analysis Storage System (RASS). This data base contains both descriptive geological information and analytical data. Any or all of this information may be retrieved and converted to a binary form (STATPAC) for computerized statistical analysis or publication (VanTrump and Miesch, 1976).

DESCRIPTION OF DATA TABLES

Tables 4-6 list the analyses for the samples of stream sediment, heavy-mineral concentrate, and rock, respectively. For the three tables, the data are arranged so that column 1 contains the USGS-assigned sample numbers. These numbers correspond to the numbers shown on the site location maps (pl. 1). Columns in which the element headings show the letter "s" below the element symbol are emission spectrographic analyses; "aa" indicates atomic absorption analyses; "inst" indicates an instrumental technique; "cm" indicates a colorimetric analyses; and "si" indicates a specific ion analyses. A letter "N" in the tables indicates that a given element was looked for but not detected at the lower limit of determination shown for that element in Table 1. If an element was observed but was below the lowest reporting value, a "less than" symbol (<) was entered in the tables in front of the lower limit of determination. If an element was observed but was above the highest reporting value, a "greater than" symbol (>) was entered in the tables in

front of the upper limit of determination. If an element was not looked for in a sample, two dashes (--) are entered in Tables 4-6 in place of an analytical value. Because of the formatting used in the computer program that produced Tables 4-6, some of the elements listed in these tables (Fe, Mg, Ca, Ti, Ag, and Be) carry one or more nonsignificant digits to the right of the significant digits. The analysts did not determine these elements to the accuracy suggested by the extra zeros.

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REFERENCES CITED

- Centanni, F. A., Ross, A. M., and DeSesa, M. A., 1956, Fluorometric determination of uranium: *Analytical Chemistry*, v. 28, p. 1651.
- Dahm, J. B., and Hankins, D. D., 1982, Preliminary geology of a portion of the Southern Kofa Mountains, Yuma County, Arizona, in Frost, E., and Martin, D., eds., *Mesozoic-Cenozoic tectonic evolution of the Colorado River Region, California, Arizona, and Nevada*: San Diego, Calif., Cordilleran Publishers, p. 459-469.
- Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.
- Gutmann, J. T., 1981, Geologic framework and hot dry rock geothermal potential of the Castle dome area, Yuma County, Arizona: Los Alamos Scientific Laboratory Report, LA-8723-KDR, VC-66b, 23 p.
- Hankins, D. D., 1984, Geologic setting of precious metals mineralization, King of Arizona district, Kofa Mountains, Yuma County, Arizona: San Diego, Calif., San Diego State University, M.S. thesis, 135 p.
- Hopkins, D. M., 1977, An improved ion-selective electrode method for the rapid determination of fluorine in rocks and soils: U.S. Geological Survey Journal of Research, v. 5, no. 5, p. 583-593.
- Hubert, A. E., and Chao, T. T., 1985, Determination of gold, indium, tellurium, and thallium in the same sample digest of geological materials by atomic-absorption spectroscopy and two-step solvent extraction: *Talanta*, v. 32, no. 7, p. 568-570.
- Krason, Jan, Wodzicki, Antoni, and Cruver, S. K., 1982, Geology, energy, and mineral resources assessment of the Kofa area, Arizona: Geoexplorers International, Inc., prepared for the United States Department of the Interior, Bureau of Land Management, 207 p.
- Logan, R. E., and Hirsch, D. D., 1982, Geometry of detachment faulting and dike emplacement in the Southwestern Castle Dome Mountains, Yuma County, Arizona, in Frost, E., and Martin, D., eds., *Mesozoic-Cenozoic tectonic evolution of the Colorado River Region, California, Arizona, and Nevada*: San Diego, Calif., Cordilleran Publishers, p. 599-607.
- McNerney, J. J., Buseck, P. R., and Hanson, R. C., 1972, Mercury detection by means of thin gold films: *Science*, v. 178, p. 611-612.
- Meier, A. L., 1980, Flameless atomic absorption determination of gold in geological materials: *Journal of Geochemical Exploration*, v. 13, p. 77-85.

- Miller, F. K., 1970, Geologic map of the Quartzite quadrangle, Yuma County, Arizona: U.S. Geological Survey Quadrangle Map, GQ-841, 2 p., scale 1:62,500.
- Miller, F. K., and McKee, E. H., 1971, Thrust and strike-slip faulting in the Plomosa Mountains, southwestern Arizona: Geological Society of America Bulletin, v. 82, p. 717-722.
- Motooka, J. M., and Grimes, D. J., 1976, Analytical precision of one-sixth order semiquantitative spectrographic analyses: U.S. Geological Survey Circular 738, 25 p.
- O'Leary, R. M., and Viets, J. G., 1986, Determination of antimony, arsenic, bismuth, cadmium, copper, lead, molybdenum, silver, and zinc in geologic materials by atomic absorption spectrometry using a hydrochloric acid-hydrogen peroxide digestion: Atomic Spectroscopy, in press.
- Shafiqullah, M., Damon, P. E., Lynch, D. J., Reynolds, S. J., Rehrig, W. A., and Raymond, R. H., 1980, K-Ar geochronology and geologic history of southwestern Arizona and adjacent areas: Arizona Geological Society Digest, v. 12, p. 201-242.
- VanTrump, George, Jr., and Miesch, A. T., 1976, The U.S. Geological Survey RASS-STATPAC system for management and statistical reduction of geochemical data: Computers and Geosciences, v. 3, p. 475-488.
- Vaughn, W. W., and McCarthy, J. H., Jr., 1964, An instrumental technique for the determination of submicrogram concentrations of mercury in soils, rocks, and gas, in Geological Survey research 1964: U.S. Geological Survey Professional Paper 501-D, p. D123-D127.
- Welsch, E. P., 1983, A rapid geochemical spectrophotometric determination of tungsten with dithiol: Talanta, v. 30, p. 876-878.

Table 1. Description of rock samples from the Kofa National Wildlife Refuge

<u>Sample Number</u>	<u>Rock Description</u>
KR-0011R	Volcanic rock
KR-0012RA	Vesicular volcanics
KR-0012RB	Volcanic rock with Mn-oxide veinlets
KR-0012RC	Vesicular volcanic with Mn oxides
KR-0012RD	Vesicular volcanics
KR-0025R	Quartz vein with siderite
KR-0028R	Quartz vein with siderite and oxidized sulfides
KR-0044R	Vitrophyre
KR-0073R	Vesicular volcanics with Cu oxide in vugs
KR-0075RA	Fault breccia of volcanics and Cu oxides
KR-0075RB	Fault breccia of volcanics and Cu oxides
KR-0088R	Quartz vein with oxidized sulfides
KR-0090RA	Brecciated quartz vein with calcite and Fe and Cu oxides
KR-0090RB	Quartz vein with boxwork limonite and minor Cu oxides
KR-0090RC	Brecciated quartz vein with limonite boxworks
KR-0141RA	Fe-stained quartz vein
KR-0141RB	Quartz vein with minor sericite
KR-500R	Fe-stained volcanics
KR-501R	Fe-stained volcanics
KR-502R	Fe-stained volcanics
KR-503R	Fe-stained volcanics
KR-504R	Fe-stained volcanics
KR-505R	Altered monzogranite with copper staining
KR-505RA	Copper-stained, red, altered volcanics
KR-506R	Fe-stained volcanics
KR-507R	Fe-stained volcanics
KR-508R	Fe-stained volcanics
KR-509R	Fe-stained volcanics
KR-510R	Fe-stained volcanics
KR-511R	Fe-stained volcanics
KR-512R	Fe-stained volcanics
KR-513R	Fe-stained volcanics
KR-514R	Fe-stained volcanics
KR-515R	Fe-stained volcanics
KR-516R	Fe-stained volcanics
KR-517R	Fe-stained volcanics
KR-518R	Fe-stained volcanics
KR-519R	Fe-stained volcanics
KR-520R	Fe-stained volcanics
KR-1000R	Rhyodacite flow
KR-1001R	Dacite flow
KR-1002R	Volcanic glass
KR-1003R	Andesite flow
KR-1004R	Rhyolite flow
KR-1005R	Rhyodacite tuff
KR-1006R	Carbonate
KR-1007R	Rhyodacite tuff
KR-1008R	Dacite plug
KR-1009R	Dacite
KR-1010R	Rhyodacite

KR-1011R	Rhyodacite flow
KR-1012R	Volcanic glass
KR-1013R	Dacite flow
KR-1014R	Rhyodacite flow
KR-1015R	Dacite plug
KR-1016R	Rhyolite plug
KR-1017R	Rhyodacite
KR-1018R	Rhyolite breccia
KR-1019R	Volcanic wacke
KR-1020R	Welded, lithic tuff
KR-1021R	Dacite flow
KR-1022R	Rhyolite tuff
KR-1023R	Volcanic glass
KR-1024R	Lithic tuff
KR-1025R	Rhyodacite flow
KR-1026R	Dacite dike
KR-1027R	Rhyodacite flow
KR-1028R	Volcanic glass
KR-1029R	Rhyodacite flow
KR-1030R	Welded, lithic tuff
KR-1031R	Welded, lithic tuff
KR-1032R	Calcite vein
KR-1033R	Dacite
KR-1034R	Dacite plug
KR-1035R	Rhyodacite plug
KR-1036R	Rhyodacite plug
KR-1037R	Rhyodacite breccia
KR-1038R	Dacite
KR-1039R	Dacite flow
KR-1040R	Dacite flow
KR-1041R	Welded, lithic tuff
KR-1042R	Rhyodacite
KR-1043R	Rhyodacite
KR-1044R	Rhyolite
KR-1045R	Sandstone
KR-1046R	Dacite plug
KR-1047R	Dacite
KR-1048R	Welded, lithic tuff
KR-1049R	Welded, lithic tuff
KR-1050R	Welded, lithic tuff
KR-1051R	Rhyolite
KR-1052R	Breccia
KR-1053R	Fault breccia
KR-1054R	Welded, lithic tuff
KR-1055R	Rhyodacite
KR-1056R	Basalt flow
KR-1057R	Rhyolite flow
KR-1058R	Volcanic glass
KR-1059R	Rhyodacite
KR-1060R	Welded, lithic tuff
KR-1061R	Rhyolite flow
KR-1062R	Tuff
KR-1063R	Dacite
KR-1064R	Volcanic breccia

KR-1065R	Dacite
KR-1066R	Tuff lahar
KR-1067R	Dacite dike
KR-1068R	Welded tuff
KR-1069R	Dacite
KR-1070R	Rhyodacite
KR-1071R	Dacite plug
KR-1072R	Rhyodacite flow
KR-1073R	Rhyolite
KR-1074R	Rhyodacite flow
KR-1075R	Dacite
KR-1076R	Sandstone
KR-1077R	Rhyolite
KR-1078R	Welded tuff
KR-1079R	Tuff
KR-1080R	Andesite flow
KR-1081R	Dacite fault breccia
KR-1082R	Fe-stained dacite fault breccia
KR-1083R	Welded tuff
KR-1084R	Volcanic breccia
KR-1085R	Rhyodacite
KR-1086R	Rhyodacite flow
KR-1087R	Rhyodacite flow
KR-1088R	Adamellite
KR-1089R	Granodiorite dike
KR-1090R	Rhyodacite flow
KR-1091R	Rhyodacite
KR-1092R	Rhyodacite
KR-1093R	Rhyodacite
KR-1094R	Rhyodacite
KR-1095R	Dacite plug
KR-1096R	Dacite plug
KR-1097R	Calcite vein
KR-1098R	Dacite
KR-1099R	Welded tuff
KR-1100R	Dacite dike
KR-1101R	Rhyodacite
KR-1102R	Dacite
KR-1103R	Rhyodacite dike
KR-1104R	Calcite vein
KR-1105R	Rhyolite flow
KR-1106R	Rhyolite flow
KR-1107R	Rhyodacite
KR-1108R	Rhyodacite flow
KR-1109R	Rhyodacite
KR-1110R	Rhyodacite
KR-1111R	Volcanic glass
KR-1112R	Rhyodacite
KR-1113R	Fe-stained fault breccia
KR-1114R	Rhyodacite flow
KR-1115R	Dacite plug
KR-1116R	Dacite dike
KR-1117R	Dacite plug
KR-1118R	Welded, lithic tuff

KR-1119R	Basalt flow
KR-1120R	Basalt flow
KR-1121R	Quartz vein
KR-1122R	Vein of Fe-Mn ore in volcanic breccia
KR-1123R	Basalt
KR-1124R	Basalt
KR-1125R	Basalt
KR-1126R	Basalt
KR-1127R	Hematite and chalcedony veins with Cu oxide
KR-1128R	Dacite
KR-1129R	Dacite
KR-1130R	Quartz vein
KR-1131R	Rhyodacite
KR-1132R	Dacite flow
KR-1133R	Volcanic breccia
KR-1134R	Rhyodacite flow
KR-1135R	Rhyodacite
KR-1136R	Quartz and calcite vein with Cu oxides
KR-1137R	Shale
KR-1138R	Quartz vein with Cu oxides
KR-1139R	Volcanics with stockwork silica veining
KR-1140R	Volcanics with stockwork silica veining
KR-1141R	Dacite plug
KR-1142R	Welded, lithic tuff
KR-1143R	Welded, lithic tuff
KR-1144R	Welded, lithic tuff
KR-1145R	Rhyolite plug
KR-1146R	Rhyolite plug
KR-1147R	Basalt flow
KR-1148R	Basalt flow
KR-1149R	Basalt flow
KR-1150R	Welded tuff
KR-1151R	Welded, lithic tuff
KR-1152R	Rhyodacite flow
KR-1153R	Rhyodacite flow
KR-1154R	Rhyolite flow
KR-1155R	Rhyolite flow
KR-1156R	Sandstone
KR-1157R	Welded tuff
KR-1158R	Quartz, hematite, and Mn-oxide veins in volcanic fault breccia
KR-1159R	Quartz and calcite veins with Mn and Cu oxides
KR-1160R	Fe-stained rhyodacite
KR-1161R	Fe-Mn oxides in fault breccia
KR-1162R	Quartzite
KR-1163R	Rhyolite
KR-1164R	Rhyolite
KR-1165R	Fe-oxide stained rhyolite
KR-1166R	Brecciated vein of Cu oxides and Fe oxides
KR-1167R	Basalt
KR-1168R	Dacite flow
KR-1169R	Dacite flow
KR-1170R	Dacite flow
KR-1171R	Basalt

KR-1172R	Basalt flow
KR-1173R	Basalt flow
KR-1174R	Siltstone
KR-1175R	Rhyolite flow
KR-1176R	Obsidian
KR-1177R	Basalt flow
KR-1178R	Rhyolite plug
KR-1179R	Quartz vein
KR-1180R	Mn-oxide rich vein
KR-1181R	Vein of quartz, calcite, Mn-Fe oxides
KR-1182R	Dark, gray, calcite vein
KR-1183R	Graywacke with Fe-oxide vein
KR-1184R	Andesite
KR-1185R	Fe-oxide stained adamellite with quartz veins
KR-1186R	Quartz vein with Fe oxides
KR-1187R	Quartz vein
KR-1188R	Quartz vein with Fe and Cu oxides and sulfides
KR-1189R	Quartz vein with Fe and Cu oxides and sulfides
KR-1190R	Quartz vein
KR-1191R	Quartz vein with calcite, Fe oxides, and pyrite
KR-1192R	Quartz vein with Cu and Fe oxides
KR-1193R	Quartz vein with galena, pyrite, and Fe oxides
KR-1194R	Calcite vein with pyrite
KR-1195R	Calcite and quartz vein with sulfides and Cu and Fe oxides
KR-1196R	Shear zone containing Fe and Cu oxides
KR-1197R	Brecciated quartz vein with Fe and Cu oxides
KR-1198R	Fe-stained felsite
KR-1199R	Sandstone
KR-1200R	Siltstone
KR-1201R	Sandstone
KR-1202R	Mineralized quartz vein
KR-1203R	Phyllite
KR-1204R	Mineralized quartz vein
KR-1205R	Mineralized quartz vein
KR-1206R	Felsite
KR-1207R	Cu oxides in fault zone of felsite
KR-1208R	Semischist with oxidized pyrite
KR-1209R	Mineralized quartz vein
KR-1210R	Mineralized quartz vein
KR-1211R	Rhyolite with Cu oxides and Fe staining
KR-1212R	Rhyolite
KR-1213R	Basalt with Fe-stained quartz veins and Cu oxides
KR-1214R	Adamellite
KR-1215R	Quartz vein with Fe and Cu oxides
KR-1216R	Basalt flow
KR-1217R	Sandstone
KR-1218R	Andesite
KR-1219R	Dacite
KR-1220R	Dacite with crysacolla
KR-1221R	Fe-oxide vein (?) in volcanics
KR-1222R	Fe and Cu oxides
KR-1223R	Rhyolite plug
KR-1224R	Sandstone
KR-1225R	Sandstone

KR-1226R	Sandstone
KR-1227R	Fe-stained sandstone with quartz and calcite veins
KR-1228R	Calcite vein
KR-1229R	Dacite
KR-1230R	Welded tuff
KR-1231R	Welded tuff
KR-1232R	Welded, lithic tuff
KR-1233R	Dacite plug
KR-1234R	Rhyodacite
KR-1235R	Rhyodacite flow
KR-1236R	Volcanic glass
KR-1237R	Rhyodacite
KR-1238R	Volcanic glass
KR-1239R	Rhyolite
KR-1240R	Rhyolite flow
KR-1241R	Rhyodacite flow
KR-1242R	Rhyodacite
KR-1243R	Quartz vein
KR-1244R	Welded lithic tuff
KR-1245R	Rhyodacite flow
KR-2000R	Tourmaline schist
KR-2001R	Quartz vein with limonite pseudomorphs after pyrite and minor copper staining
KR-2002R	Limonite boxworks
KR-2003R	Micaceous phyllite with limonite pseudomorphs
KR-2004R	Quartz vein with hematite and malachite
KR-2006R	Metavolcanics (?) with minor copper staining
KR-2007R	Fault gouge in metavolcanics (?)
KR-2008R	Quartz vein with galena and copper staining
KR-2009R	Calcite vein with pyrite
KR-2010R	Black, brecciated calcite, limonite, quartz, and gypsum
KR-2011R	Limonite
KR-2012R	Dolomite breccia cemented by Fe oxides
KR-2013R	Limonite
KR-2014R	Black, carbonaceous dolomite
KR-2015R	Fe-stained siliceous vein
KR-2016R	Quartzite breccia with copper staining
KR-2017R	Silicic volcanics with chrysocolla
KR-2018R	Rhyolite
KR-2019R	Rhyolite breccia with copper staining
KR-2020R	Black, brecciated calcite
KR-2021R	Quartz with Mn oxides
KR-2022R	Black calcite vein
KR-2024R	Quartz vein with minor galena and copper staining
KR-2025R	Quartz vein with limonite
KR-2026R	Manganese oxide vein
KR-2027R	Black calcite vein
KR-2028R	Quartz-black calcite vein with oxidized pyrite
KR-2029R	Quartz breccia
KR-2030R	Vein sample with galena, fluorite, quartz, calcite
KR-2031R	Silicified felsite with quartz veinlets
KR-2032R	Silicified felsite with quartz veinlets
KR-2033R	Calcite vein in metasediments containing pyrite
KR-2034R	Silicified breccia with pyrite

KR-2035R	Stockwork veining in silicified volcanics
KR-2036R	Quartz vein with pyrite
KR-2037R	Fe-stained volcanics
KR-2038R	Boxwork limonite in quartz vein
KR-2040R	Breccia zone
KR-2041R	Dark calcite vein
KR-2042R	Manganese oxide and quartz breccia
KR-2043R	Brecciated quartz vein with Mn oxides
KR-2044R	Brecciated quartz vein with Mn oxides
KR-2045R	Brecciated quartz vein with Mn oxides
KR-2046R	Manganese oxide cemented breccia
KR-2047R	Magnetite-rich nodule
KR-2048R	Fe-oxide and quartz-rich rock
KR-2049R	Quartz breccia with limonite
KR-2050R	Jarosite and argillic alteration of granite
KR-2051R	Fe-stained quartz breccia
KR-2052R	Black siltstones
KR-2053R	Quartz and calcite breccia
KR-2054R	Black calcite vein
KR-2055R	Black calcite and quartz vein
KR-2056R	Quartz and Fe-oxide breccia with minor sericite
KR-2057R	Quartz and Fe-oxide breccia
KR-2058R	Brecciated tuffaceous sediments with Fe and Mn oxides
KR-2059R	Silicified tuff, quartz, and calcite breccia with pyrite
KR-2060R	Fe-oxide cemented quartz breccia
KR-2061R	Black calcite vein
KR-2062R	Quartz breccia with Cu oxides
KR-2063R	Sulfide-bearing quartz vein
KR-2064R	Metavolcanics with copper staining
KR-2065R	Fe oxide and quartz breccia
KR-2066R	Mn-oxide rich rock
KR-2067R	Quartz vein with limonite boxworks, calcite, and gypsum
KR-2069R	Fe-oxide rich breccia
KR-2069RA	Silicified volcanic rock
KR-2069RB	Brecciated, copper-stained quartz vein
KR-2069RC	Vein with fluorite, quartz, barite, and sulfides
KR-2070R	Silicified, brecciated andesite
KR-2071R	Silicified intrusive
KR-2072R	Propylitically altered volcanics
KR-2073R	Metasediments
KR-2074R	Metagranite and gneiss
KR-2075R	Altered volcanics
KR-2076R	Silicified volcanics with calcite veins
KR-2077R	Altered volcanics
KR-2078R	Fe-Mn stained and silicified volcanics
KR-2079R	Siliceous sinter
KR-2080R	Altered volcanics
KR-2081R	Altered tuff
KR-2082R	Silicified rhyolite with Fe-oxide coating
KR-2083RA	Silicified rhyolite
KR-2083RB	Quartz vein
KR-2084R	Brecciated quartz vein
KR-2085R	Copper oxides and hematite
KR-2086R	Metasediments with Cu-Fe oxides

KR-2087R	Silicified volcanics
KR-2088R	Quartz vein with hematite and sulfides
KR-2089R	Quartz vein with Mn and Cu oxides
KR-2090R	Quartz vein
KR-2091R	Vein of quartz, calcite, and hematite
KR-2092R	Quartz veins with pyrite
KR-2093R	Brecciated volcanics with manganiferous calcite
KR-2094R	Andesite
KR-2095R	Manganiferous calcite
KR-2096R	Altered volcanics
KR-2097R	Quartz, calcite, barite, and Mn-oxide vein
KR-2098R	Intermediate, unwelded tuff
KR-2099R	Quartz vein with pyrite and Cu oxides
KR-2100R	Fine breccia of calcite, barite, Fe-Mn oxides
KR-2101R	Intermediate volcanics (?)
KR-2102R	Calcite, Barite, and Mn-oxide vein
KR-2103R	Vein of barite, galena, fluorite, calcite, gypsum
KR-2104R	Vein of barite, galena, fluorite, calcite, gypsum
KR-2105R	Quartz and barite with Fe-Mn oxide coatings
KR-2106R	Silicified volcanics
KR-2107R	Barite, fluorite, galena vein
KR-2108R	Metasediments (?) with Mn-oxides
KR-2109R	Mn oxides in silicified intermediate volcanics
KR-2110R	Cu-stained vein of galena, calcite, fluorite, barite
KR-2111R	Manganiferous calcite with copper staining and gypsum
KR-2112R	Galena, barite, fluorite, and gypsum vein with Mn-Fe oxide coatings
KR-2113R	Silicified intermediate volcanics
KR-2114R	Clay and silicic alteration of intermediate volcanics
KR-2115R	Altered metasediments
KR-2116R	Altered, silicic metasediments with Fe-oxide staining
KR-2117R	Brecciated, altered volcanics
KR-2118R	Galena, fluorite vein
KR-2119R	Altered metasediments
KR-2120R	Vein with fluorite and oxidized galena
KR-2121R	Brecciated, silicified vein of fluorite with oxidized sulfides
KR-2122R	Vein of calcite, quartz, fluorite, and galena
KR-2123R	Altered metasediments
KR-2124R	Quartz vein
KR-2125R	Massive iron oxide
KR-2126R	Altered silicic igneous rock
KR-2127R	Fe oxides and sulfides
KR-2128R	Dark calcite vein
KR-2129R	Quartz veins with manganese oxide staining
KR-2130R	Brecciated intermediate volcanics
KR-2131R	Black calcite vein
KR-2132R	Altered volcanics (?)
KR-2133R	Fluorite, galena, barite, gypsum vein with oxidized pyrite
KR-2134R	Intermediate, porphyritic igneous rock
KR-2135R	Vein of calcite, fluorite, galena
KR-2136R	Diorite with pyrite and chalcoppyrite
KR-2137R	Quartzite with oxidized sulfides
KR-2138R	Brecciated, silicified limestone

KR-2139R	Vein of galena, fluorite, black calcite
KR-2140R	Vein of galena, fluorite, black calcite
KR-2141R	Barite and calcite with oxidized sulfides
KR-2142R	Fe-Mn oxide stained silicified volcanics with oxidized sulfides
KR-2143R	Brecciated, manganiferous calcite
KR-2144R	Black calcite, white quartz vein with sulfides
KR-2145R	Volcanic breccia
KR-2146R	Calcite and altered intermediate volcanics
KR-2147R	Altered, silicified porphyritic dike (?)
KR-2148R	Silicified volcanics with sulfides
KR-2149R	Silicified volcanics with sulfides
KR-2150R	Dark metasediments with sulfides
KR-2151R	Silicified breccia with barite
KR-2152R	Densely welded rhyolite tuff
KR-2153R	Vein of barite, gypsum, oxidized sulfides
KR-2154R	Argentiferous galena in barite-quartz vein
KR-2155R	Black calcite and quartz vein
KR-2156R	Fe-stained, silicified breccia
KR-2157R	Quartz vein
KR-2158R	Quartz vein with oxidized sulfides and hematite
KR-2159R	Black calcite with oxidized sulfides and visible gold
KR-3001R	Argillite with quartz veins and Cu oxides
KR-3002R	Quartz vein
KR-3003R	Silicified tuff breccia with barite
KR-3004R	Silicified fault gouge
KR-3005R	Metasediments with Fe-stained quartz veins and Mn-calcite
KR-3006R	Rhyolite dike with Mn-calcite veins
KR-3007R	Metasediments
KR-3008R	Granite with quartz veins and jarosite
KR-3009R	Metaarkose
KR-3010R	Argillite with Cu oxides
KR-3011R	Conglomerate of metasediments and metavolcanics
KR-3012R	Metasediments
KR-3013R	Volcanic rock
KR-3014R	Silicified dacite flow
KR-3015R	Silicified, brecciated metasediments
KR-3016R	Hematite-stained dacite tuff
KR-3017R	Brecciated, silicified rhyolite dike
KR-3018R	Silicic intrusion
KR-3019R	Metaarkose with quartz veins and Cu oxides
KR-3020R	Brecciated, silicified tuff
KR-3021R	Metasediments with quartz veins
KR-3022R	Dacite
KR-3023R	Brecciated tuff
KR-3024R	Cu oxides, quartz, Mn-calcite veins in metamorphics
KR-3025R	Black calcite with Mn oxides
KR-3026R	Quartz and brown calcite
KR-3027R	Quartz veins, Cu oxides, and Fe oxides in metasandstones
KR-3028R	Metasediments
KR-3029R	Calcite with Mn oxides
KR-3030R	Metasediments and quartz veins with limonite boxworks
KR-3031R	Metasediments
KR-3032R	Limey quartzite

KR-3033R	Metasediments
KR-3034R	Granite
KR-3035R	Quartzite
KR-3036R	Brecciated quartzite with quartz veins, calcite, and Fe and Mn oxides
KR-3037R	Metasediments with quartz veins, calcite, and Mn oxides
KR-3038R	Quartz and Mn oxides
KR-3039R	Quartzite with quartz veins and Cu oxides
KR-3040R	Metasediments
KR-3041R	Silicic volcanics with Fe and Mn oxides and calcite
KR-3042R	Silicified, volcanic breccia with calcite and Mn oxides
KR-3043R	Andesite with quartz veins and Fe and Mn oxides
KR-3044R	Silicified, brecciated metasediments with Fe-Mn oxides and calcite
KR-3045R	Silicified, brecciated metasediments with Cu-Fe-Mn oxides and calcite
KR-3046R	Metasediments
KR-3047R	Silicified, brecciated metasediments with quartz and Mn oxide/calcite veins
KR-3048R	Cu-stained quartzite
KR-3049R	Rhyolite dike
KR-3050R	Siliceous volcanic
KR-3051R	Quartz vein with Mn oxides
KR-3052R	Andesite
KR-3053R	Manganiferous calcite vein
KR-3054R	Shattered granite
KR-3055R	Fe-stained quartz vein with minor secondary copper minerals
KR-3056R	Metagranite
KR-3057R	Quartz vein with Mn oxides
KR-3058R	Andesite
KR-3059R	Manganiferous calcite veinlets in volcanic rock
KR-3060R	Andesite
KR-3061R	Fe-stained quartz vein
KR-3062R	Shattered granite (?)
KR-5000R	Silicified metasediments (phyllitic)
KR-5001R	Altered, fine-grained metasediments
KR-5002R	Porphyry dike
KR-5020R	Fractured, Fe-stained metasediments (?)
KR-5021R	Fractured, Fe-stained metasediments (?)
KR-5022R	Fractured, Fe-stained metasediments (?)
KR-5023R	Fractured, Fe-stained metasediments (?)
KR-5024R	Fractured, Fe-stained metasediments (?)
KR-5025R	Fractured, Fe-stained metasediments (?)
KR-5026R	Silicified, brecciated metasediments
KR-5027R	Silicified, brecciated metasediments
KR-5027RA	Fe-stained gneiss
KR-5028R	Silicified, brecciated metasediments with silica veinlets
KR-5029R	Porphyry dike with silica veinlets
KR-5030R	Porphyry dike with silica veinlets
KR-5031R	Quartz veins with tourmaline
KR-5032R	Dolomitic sandstone
KR-5033R	Cu-stained quartz vein
KR-5034R	Quartz vein in altered silicic dike
KR-5035R	Silica-rich breccia

KR-5036R	Calcite-rich breccia
KR-5037R	Quartz vein
KR-5038R	Silicified, altered porphyry dike with pyrite
KR-5039R	Silicified, altered porphyry dike with pyrite
KR-5040R	Silicified, altered porphyry dike with pyrite
KR-5041R	Rhyolite dike
KR-5042R	Rhyolite dike
KR-5043R	Cu-stained quartz vein
KR-5044R	Micaceous phyllite
KR-5045R	Brown, dolomitic phyllite
KR-5046R	Sulfide-bearing quartz vein
KR-5047R	Quartz vein
KR-5048R	Quartzite
KR-5049R	Dolomitic sandstone with quartz and tourmaline veins
KR-5050R	Quartz vein
KR-5051R	Brecciated quartz vein with Cu oxides, hematite, and siderite
KR-5052R	Sandy metamorphic rock
KR-5053R	Quartz monzonite
KR-5054R	Quartz vein with siderite
KR-5055R	Sandy metamorphics with oxidized sulfides
KR-5056R	Quartz vein
KR-5057R	Quartz monzonite
KR-5058R	Quartz vein
KR-5059R	Quartz vein
KR-5060R	Muscovite-rich phyllite
KR-5061R	Quartz vein
KR-5062R	Altered phyllite with pyrite
KR-5063R	Phyllite with pyrite
KR-5064R	Dark, siliceous marble
KR-5065R	Quartz and marble
KR-5066R	Siliceous dolomite
KR-5067R	Mafic dike
KR-5068R	Quartzite
KR-5069R	Fine-grained quartz-feldspar-chlorite metamorphic rock
KR-5070R	Quartz in phyllite
KR-5071R	Black, siliceous rock
KR-5072R	Vuggy, andesitic volcanics
KR-5073R	Altered andesitic volcanics
KR-5074R	Black, silica veinlets
KR-5075R	Black, silica veinlets
KR-5076R	Siliceous sinter
KR-5076RA	Siliceous sinter
KR-5081R	Silicified volcanic breccia
KR-5082R	Silicified volcanic breccia
KR-5083R	Silicified breccia
KR-5084R	Silicified volcanic breccia
KR-5085R	Greenish silica and pyrite
KR-5086R	Silicified volcanic rock
KR-5087R	Silicified volcanic rock
KR-5088R	Cu-stained quartz vein
KR-5089R	Quartzite
KR-5090R	White quartz vein
KR-5091R	Phyllite with pyrite

KR-5092R	Quartz vein and phyllite
KR-5093R	Quartz vein
KR-5094R	Argillite to phyllite
KR-5095R	Quartz vein
KR-5096R	Phyllite
KR-5097R	Fine-grained, black argillite
KR-5098R	Quartz vein
KR-5099R	Phyllite
KR-5100R	Fine-grained silicic dike
KR-5101R	Quartz vein
KR-5102R	Quartz vein with sericite
KR-5103R	Schist
KR-5104R	Quartz in schist
KR-5105R	Pyrophyllite schist
KR-5106R	Quartz vein
KR-5107R	Quartz vein with Cu minerals, barite, and chalcopryrite
KR-5108R	Metagranite
KR-5109R	Quartz vein
KR-5110R	Biotite granite
KR-5111R	Quartz vein with boxwork limonite, galena, pyrite, and chalcopryrite
KR-5112R	Metasediments
KR-5113R	White quartz vein
KR-5114R	Quartz vein in metaigneous rock
KR-5115R	Quartz vein with Cu staining
KR-5116R	Quartz vein with sulfides
KR-5117R	Quartz vein
KR-5118R	Quartz vein
KR-5119R	Metaigneous rock
KR-5120R	Quartz vein with siderite and galena
KR-5121R	Metaigneous rock
KR-5122R	Metaigneous rock
KR-5123R	Quartz vein
KR-5124R	Metasediments with quartz veining and oxidized pyrite
KR-5125R	Altered silicic dike with oxidized pyrite
KR-5126R	Bleached, altered silicic dike with oxidized pyrite
KR-5127R	Silicified dike
KR-5128R	Hematized and silicified volcanic tuff
KR-5129R	Altered schist with limonite after pyrite
KR-5130R	Quartz vein and schist
KR-5131R	Bleached, altered silicic dike with limonite after pyrite
KR-5132R	Altered schist with limonite after pyrite
KR-5133R	Quartz vein
KR-5134R	Altered schist with limonite after pyrite
KR-5135R	Silicified dike with limonite after pyrite
KR-5136R	Quartz-diopside skarn
KR-5137R	Silicic dike
KR-5138R	Diopside and serpentine exoskarn
KR-5139R	Diopside, serpentine, and quartz
KR-5140R	Silicified gneiss and quartz breccia
KR-5141R	Altered gneiss
KR-5142R	Gneiss
KR-5143R	Galena, fluorite vein
KR-5144R	Fluorite, galena, and barite vein

KR-5145R	Wulfenite, fluorite, and barite
KR-5146R	Barite and fluorite
KR-5147R	Bleached, silicic breccia with limonite after pyrite
KR-5148R	Clay alteration and jarosite veins in granodiorite
KR-5149R	Altered granodiorite with limonite
KR-5150R	Fine-grained silicic granodiorite with sulfides
KR-5151R	Propylitic alteration of granodiorite
KR-5152R	Siliceous vein in granodiorite
KR-5153R	Altered granodiorite
KR-5154R	Hematite-rich granodiorite
KR-5155R	Altered gneissic rock
KR-5156R	Altered gneissic rock
KR-5157R	Altered gneissic rock
KR-5158R	Altered gneissic rock
KR-5159R	Altered gneissic rock
KR-5160R	Gneiss
KR-5161R	Gneiss
KR-5164R	Quartz vein
KR-5165R	Porphyry dike
KR-5166R	Metasediments
KR-5167R	Fault gouge
KR-5174R	Silicified volcanic rock
KR-5175R	Limonite pseudomorphs after pyrite

TABLE 2.--Limits of determination for the spectrographic analysis of rocks and stream sediments, based on a 10-mg sample

[The spectrographic limits of determination for heavy-mineral-concentrate samples are based on a 5-mg sample, and are therefore two reporting intervals higher than the limits given for rocks and stream sediments]

Elements	Lower determination limit	Upper determination limit
Percent		
Iron (Fe)	0.05	20
Magnesium (Mg)	.02	10
Calcium (Ca)	.05	20
Titanium (Ti)	.002	1
Parts per million		
Manganese (Mn)	10	5,000
Silver (Ag)	0.5	5,000
Arsenic (As)	200	10,000
Gold (Au)	10	500
Boron (B)	10	2,000
Barium (Ba)	20	5,000
Beryllium (Be)	1	1,000
Bismuth (Bi)	10	1,000
Cadmium (Cd)	20	500
Cobalt (Co)	5	2,000
Chromium (Cr)	10	5,000
Copper (Cu)	5	20,000
Lanthanum (La)	20	1,000
Molybdenum (Mo)	5	2,000
Niobium (Nb)	20	2,000
Nickel (Ni)	5	5,000
Lead (Pb)	10	20,000
Antimony (Sb)	100	10,000
Scandium (Sc)	5	100
Tin (Sn)	10	1,000
Strontium (Sr)	100	5,000
Vanadium (V)	10	10,000
Tungsten (W)	50	10,000
Yttrium (Y)	10	2,000
Zinc (Zn)	200	10,000
Zirconium (Zr)	10	1,000
Thorium (Th)	100	2,000

Table 3.--Chemical methods used

[AA = atomic absorption; I = instrumental; SI = specific ion;
S = spectrophotometry; and F = fluorometry]

Element or constituent determined	Sample Type	Method	Determination limit (micrograms/gram or ppm)	Reference
Tellurium (Te)	Rocks	AA	0.05	Hubert and Chao, 1985.
Gold (Au)	Rocks	AA	0.05	
Thallium (Tl)	Rocks and sediments	AA	0.1 or 0.2	
Gold (Au)	Sediments	Graphite Furnace AA	0.002-0.008	Meier, 1980.
Mercury (Hg)	Rocks and sediments	I	0.02	<u>Modification of McNerney and others, 1972, and Vaughn and McCarthy, 1964.</u>
Arsenic (As)	Rocks and sediments	AA	5 or 10	O'Leary and Viets, 1986.
Antimony (Sb)	Rocks and sediments	AA	2	
Zinc (Zn)	Rocks and sediments	AA	5	
Bismuth (Bi)	Rocks	AA	1	
Cadmium (Cd)	Rocks	AA	0.1	
Silver (Ag)	Sediments	AA	0.05	
Fluorine (F)	Rocks	SI	100	Hopkins, 1977.
Tungsten (W)	Rocks	S	0.5	Welsch, 1983.
Uranium (U)	Rocks	F	0.05	<u>Modification of Centanni and others, 1956.</u>

TABLE 4. ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Ag-ppm aa	Sb-ppm aa	Au-ppm aa	Tl-ppm aa
KR001S	33 34 57	114 5 17	.02	10	40	.25	N	<.002	.35
KR002S	33 34 54	114 5 14	.02	N	45	<.05	N	.002	.40
KR003S	33 34 14	113 57 43	.02	N	50	.15	N	<.002	.45
KR004S	33 34 19	113 57 36	.02	10	40	.05	N	<.002	.30
KR005S	33 33 37	113 57 11	.04	N	65	N	N	.008	.40
KR006S	33 33 54	113 56 45	N	N	50	N	N	N	.40
KR007S	33 33 24	113 56 6	.02	10	40	N	4	N	.40
KR008S	33 33 47	113 55 31	.02	N	50	N	N	N	.30
KR009S	33 33 58	113 55 58	.04	N	55	N	N	N	.20
KR010S	33 34 1	113 55 51	N	N	55	N	N	.002	.25
KR013S	33 37 29	114 1 50	N	30	55	<.05	N	<.002	.40
KR014S	33 38 47	114 3 6	N	10	50	N	N	<.002	.25
KR015S	33 37 6	114 1 44	.02	N	55	N	N	N	.30
KR016S	33 37 4	114 1 38	.04	20	80	.10	2	<.002	.20
KR017S	33 37 56	114 0 58	N	10	65	N	N	<.002	.35
KR018S	33 37 54	114 0 11	N	20	70	N	N	<.003	.25
KR019S	33 33 13	113 58 57	.02	10	45	N	N	<.002	.40
KR020S	33 33 0	113 58 38	N	N	45	N	N	N	.35
KR021S	33 33 26	113 59 35	N	10	50	N	N	N	.30
KR022S	33 33 37	114 0 40	.02	10	50	<.05	N	<.002	.40
KR023S	33 34 37	114 1 36	N	N	45	N	N	.068	.35
KR024S	33 34 34	114 1 43	N	N	50	<.05	N	N	.40
KR025S	33 33 56	114 1 21	.02	10	55	.05	N	.006	.40
KR026S	33 33 50	114 1 31	N	N	55	N	N	<.002	.35
KR027S	33 34 36	114 2 34	.02	10	55	N	N	<.002	.30
KR028S	33 34 35	114 3 0	N	10	55	N	N	<.002	.30
KR029S	33 35 19	114 2 35	.04	10	270	.35	4	.002	.30
KR030S	33 35 47	114 3 16	N	20	55	N	N	N	.35
KR031S	33 36 13	114 3 23	N	20	50	N	N	N	.25
KR032S	33 32 32	113 58 26	N	20	50	N	N	<.002	.30
KR033S	33 32 13	113 57 46	.02	N	45	<.05	N	N	.15
KR034S	33 31 18	113 56 21	.02	N	55	.05	N	<.002	.30
KR035S	33 31 28	113 55 29	.02	10	50	<.05	6	N	.25
KR036S	33 31 24	113 54 44	N	N	55	.05	N	<.002	.30
KR037S	33 31 32	113 54 21	N	N	60	.05	N	<.002	.40
KR038S	33 32 8	113 53 57	.02	20	60	.10	6	<.002	.55
KR039S	33 32 57	113 55 51	N	30	85	N	26	<.002	.45
KR040S	33 33 4	113 55 51	N	30	35	<.05	4	<.004	.30
KR041S	33 33 11	113 55 1	.02	10	60	.05	N	<.002	.30
KR042S	33 33 8	113 54 43	N	10	65	.05	N	N	.30
KR043S	33 32 53	113 53 51	N	N	45	<.05	N	N	.30
KR044S	33 34 26	113 54 19	N	N	45	<.05	N	<.002	.30
KR045S	33 31 8	113 48 34	N	10	45	<.05	N	.002	.35
KR046S	33 31 17	113 49 7	N	10	90	<.05	N	<.002	.45
KR047S	33 31 28	113 49 28	N	10	65	<.05	N	N	.25

TABLE 4. ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Ag-ppm aa	Sb-ppm aa	Au-ppm aa	Tl-ppm aa
KR048S	33 31 41	113 49 57	.06	N	40	.05	N	N	.20
KR049S	33 31 44	113 50 21	.02	10	40	.05	N	.004	.20
KR050S	33 31 57	113 50 38	.02	10	50	.05	N	.002	.25
KR051S	33 32 19	113 51 10	.04	10	60	.15	N	.002	.25
KR052S	33 32 36	113 51 30	.02	10	55	.05	N	.002	.25
KR053S	33 32 57	113 51 53	.02	10	50	.05	N	<.002	.25
KR055S	33 33 19	113 52 33	.02	20	50	.10	N	<.002	.20
KR056S	33 33 21	113 52 26	.04	10	50	.10	N	<.002	.30
KR057S	33 33 23	113 52 52	.02	10	50	.05	N	<.002	.20
KR058S	33 36 44	113 55 40	.02	N	60	.05	N	.002	.20
KR059S	33 36 10	113 55 27	.02	N	90	.10	N	.002	.15
KR060S	33 36 9	113 55 21	.02	20	160	.05	N	<.002	.25
KR061S	33 36 27	113 54 23	.06	20	120	.05	N	.002	.35
KR062S	33 36 18	113 53 46	.06	20	140	.05	N	<.002	.55
KR063S	33 35 51	113 52 56	.02	20	220	.10	N	<.002	.45
KR064S	33 35 3	113 52 15	.06	10	220	.15	N	<.002	.25
KR065S	33 34 27	113 59 29	.02	10	130	<.05	N	N	.25
KR066S	33 34 13	113 50 54	.02	10	65	.05	N	N	.20
KR067S	33 33 43	113 50 11	.04	20	60	.05	N	.006	.30
KR068S	33 32 53	113 48 59	N	10	45	N	N	<.002	.20
KR069S	33 32 13	113 48 27	.02	10	50	.05	N	<.008	.20
KR070S	33 33 34	113 53 40	.02	N	100	.05	N	.004	.20
KR071S	33 33 38	113 53 16	.02	10	55	N	N	N	.25
KR072S	33 33 36	113 53 4	.02	10	60	.05	N	<.002	.20
KR073S	33 36 58	113 56 41	.02	10	85	<.05	N	N	.15
KR074S	33 37 4	113 57 1	.02	10	65	.05	N	N	.25
KR076S	33 36 56	113 59 7	N	10	50	N	N	<.002	.30
KR077S	33 37 45	113 58 57	N	10	50	.05	N	.002	.35
KR078S	33 37 36	113 58 58	.02	10	55	.05	N	.002	.35
KR079S	33 38 24	113 58 29	.02	10	70	.15	N	<.008	.40
KR080S	33 38 16	113 59 26	N	10	45	.05	N	.006	.40
KR081S	33 38 21	113 59 39	.02	20	50	.05	16	<.004	.60
KR082S	33 37 35	113 58 16	.02	20	65	.05	N	<.002	.35
KR083S	33 37 11	113 57 48	.02	20	160	.10	N	N	.25
KR084S	33 37 5	113 57 43	.02	10	55	<.05	N	<.002	.15
KR085S	33 36 58	113 58 6	.02	10	80	.05	N	<.002	.40
KR086S	33 36 57	113 58 0	.02	10	130	.05	N	N	.20
KR087S	33 37 47	113 56 0	N	10	55	.05	N	.006	.20
KR088S	33 37 50	114 4 28	.02	20	55	.05	N	.002	.30
KR089S	33 37 3	114 4 49	.02	20	65	.05	N	<.002	.35
KR091S	33 36 29	114 3 32	N	20	65	.10	N	N	.40
KR092S	33 36 20	114 3 13	.04	20	65	<.05	N	N	.45
KR093S	33 37 26	114 3 13	N	10	55	<.05	N	.002	.40
KR094S	33 37 41	114 3 12	N	30	50	<.05	N	.004	.35
KR095S	33 37 36	114 3 11	.02	30	45	.05	N	N	.40

TABLE 4. ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Ag-ppm aa	Sb-ppm aa	Au-ppm aa	Tl-ppm aa
KR096S	33 37 36	114 4 2	.04	20	50	.05	N	.002	.30
KR097S	33 38 11	114 3 20	.02	10	55	<.05	N	N	.15
KR098S	33 39 22	114 1 27	.02	10	55	<.05	N	N	.20
KR099S	33 39 29	114 1 37	.02	10	50	<.05	N	N	.20
KR100S	33 39 40	114 2 12	.02	10	45	.05	N	N	.25
KR101S	33 39 57	114 2 46	.02	20	50	.05	N	N	.20
KR102S	33 39 27	114 3 52	.02	20	50	.05	N	N	.25
KR103S	33 39 9	114 4 52	N	20	55	<.05	N	N	.30
KR104S	33 39 14	114 5 0	N	10	50	<.05	N	<.002	.20
KR105S	33 38 9	114 4 40	N	10	45	N	N	N	.20
KR106S	33 38 26	114 4 56	N	10	45	N	N	.002	.25
KR107S	33 40 9	114 4 32	N	20	60	<.05	N	N	.20
KR108S	33 40 7	114 5 22	.06	20	45	N	N	<.002	.30
KR109S	33 39 38	114 5 41	.02	10	55	<.05	N	.004	.30
KR110S	33 39 55	114 6 34	.02	20	55	N	N	N	.30
KR111S	33 39 29	114 7 13	N	10	50	N	N	N	.15
KR112S	33 39 23	114 7 15	.02	10	40	N	N	N	.25
KR113S	33 38 20	114 6 42	.02	20	55	.05	N	.002	.20
KR114S	33 37 38	114 6 3	.10	20	85	<.05	N	<.002	.30
KR115S	33 37 32	114 6 1	.26	20	65	<.05	N	N	.25
KR116S	33 37 38	114 6 35	.06	10	110	.10	N	N	.35
KR117S	33 37 24	114 7 12	.04	10	160	.05	N	N	.35
KR118S	33 38 48	114 7 8	.04	10	50	N	N	<.002	.25
KR119S	33 36 33	114 7 54	.02	20	75	N	N	N	.30
KR120S	33 36 8	114 7 12	.02	20	40	N	N	<.002	.20
KR121S	33 36 15	114 7 16	.04	20	60	N	N	N	.25
KR122S	33 35 55	114 6 14	.02	20	50	.05	N	N	.30
KR123S	33 35 43	114 6 5	<.02	20	45	<.05	N	N	.25
KR124S	33 34 22	114 6 22	N	30	70	N	N	N	.25
KR125S	33 34 30	114 6 21	N	20	45	<.05	N	N	.30
KR126S	33 33 42	114 4 20	N	20	35	N	N	N	.25
KR127S	33 32 14	114 2 17	N	20	40	<.05	N	<.008	.20
KR128S	33 32 26	114 1 32	<.02	20	50	.05	N	N	.30
KR129S	33 32 49	114 1 28	N	20	40	<.05	N	N	.25
KR130S	33 31 19	114 2 58	N	10	30	N	N	<.002	.20
KR131S	33 31 17	114 3 11	.02	20	40	<.05	N	<.002	.30
KR132S	33 31 2	114 3 45	N	10	25	N	N	<.002	.25
KR133S	33 31 4	114 3 11	N	10	25	N	N	N	.20
KR134S	33 31 17	114 4 27	N	10	20	N	N	N	.20
KR135S	33 32 19	114 4 39	.02	10	35	.05	N	N	.35
KR136S	33 33 0	114 5 3	N	10	30	.05	N	N	.35
KR137S	33 31 56	114 5 12	N	10	40	<.05	N	N	.35
KR138S	33 32 22	114 6 59	N	20	40	N	N	<.002	.30
KR139S	33 32 17	114 7 2	.04	30	65	<.05	N	.008	.40
KR140S	33 32 13	114 7 13	.08	10	50	.05	N	<.002	.35

TABLE 4. ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Ag-ppm aa	Sb-ppm aa	Au-ppm aa	Tl-ppm aa
KR142S	33 31 32	114 5 23	.04	10	30	<.05	N	.008	.40
KR143S	33 31 40	114 5 36	.04	10	40	N	N	.006	.30
KR144S	33 34 49	114 9 10	.02	<10	55	N	N	<.002	.50
KR145S	33 34 2	114 8 4	.02	10	60	<.05	<2	.002	.60
KR146S	33 33 47	114 7 22	.02	10	50	N	N	N	.75
KR147S	33 32 35	114 7 52	.02	10	50	N	N	.002	.40
KR148S	33 30 52	114 0 45	.08	<10	45	N	<2	N	.50
KR149S	33 30 24	113 59 57	.02	10	50	N	N	N	.25
KR150S	33 30 5	113 59 14	.02	20	60	<.05	<2	<.002	.25
KR151S	33 30 16	113 55 24	.04	20	60	.05	N	.012	.30
KR152S	33 30 26	113 53 48	.02	10	50	<.05	<2	.010	.45
KR153S	33 30 44	113 52 40	.06	10	50	<.05	N	.002	.45
KR154S	33 30 3	113 46 17	.06	10	55	<.05	<2	<.002	.25
KR155S	33 30 4	113 46 19	.02	<10	65	N	<2	N	.15
KR156S	33 28 58	113 50 48	.04	<10	60	<.05	N	<.002	.20
KR157S	33 29 16	113 51 47	.04	10	50	N	<2	<.002	.20
KR158S	33 28 48	113 52 50	N	N	45	.05	N	<.002	.20
KR159S	33 29 28	113 54 24	N	N	50	.05	N	<.002	.30
KR160S	33 29 11	113 55 3	.02	N	50	.05	N	<.002	.25
KR161S	33 27 47	113 53 4	.04	N	50	<.05	N	<.004	.25
KR162S	33 27 29	113 53 33	.02	N	45	.05	N	--	.30
KR163S	33 27 24	113 54 6	.02	N	55	.05	N	--	.40
KR164S	33 27 17	113 54 15	.04	N	50	.05	N	N	.40
KR165S	33 26 36	113 55 14	.08	N	50	.05	6	<.002	.20
KR166S	33 26 25	113 54 52	N	N	50	.05	6	.002	.35
KR167S	33 25 36	113 53 20	.20	N	55	.05	2	<.002	.30
KR168S	33 25 31	113 53 17	.14	N	50	<.05	N	N	.15
KR169S	33 25 11	113 52 17	.10	20	50	.05	N	.002	.20
KR170S	33 25 3	113 52 19	.10	10	55	.05	N	<.002	.25
KR171S	33 25 1	113 52 13	.16	30	45	.05	2	N	.35
KR172S	33 30 36	114 6 35	N	N	30	.05	N	<.002	.35
KR173S	33 30 47	114 7 30	N	N	35	.05	N	.002	.45
KR174S	33 29 54	114 8 44	.02	N	30	.05	N	N	.40
KR175S	33 28 49	114 6 39	.02	N	55	<.05	N	N	.35
KR176S	33 28 51	114 6 45	.04	N	55	<.05	<2	N	.45
KR177S	33 29 29	114 7 55	.06	N	40	.05	N	<.002	.50
KR178S	33 29 6	114 7 34	.04	N	50	.05	N	N	.40
KR179S	33 28 43	114 9 3	.08	N	45	.05	N	N	.50
KR180S	33 29 1	114 9 12	.06	10	45	<.05	N	N	.20
KR181S	33 27 44	114 8 14	.06	N	45	<.05	N	N	.35
KR182S	33 27 30	114 7 22	.32	N	40	<.05	N	N	.45
KR183S	33 27 52	114 5 42	.04	N	45	<.05	N	--	.60
KR184S	33 28 17	114 4 14	.05	<10	60	.05	N	--	.45
KR185S	33 28 28	114 3 56	.04	<10	100	<.05	N	N	.30
KR186S	33 29 42	114 4 47	.04	N	55	<.05	N	N	.35

TABLE 4. ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Ag-ppm aa	Sb-ppm aa	Au-ppm aa	Tl-ppm aa
KR187S	33 30 23	114 5 53	.02	N	30	<.05	<2	--	.40
KR188S	33 30 20	114 5 40	.02	N	35	<.05	N	N	.65
KR189S	33 25 50	114 7 28	.06	N	45	<.05	N	<.002	.40
KR190S	33 25 39	114 6 41	.06	N	120	<.05	N	<.008	.20
KR191S	33 27 14	113 51 14	.06	N	40	<.05	N	N	.20
KR192S	33 27 6	113 51 14	.08	N	55	<.05	N	N	.25
KR193S	33 27 11	113 50 45	.06	N	45	<.05	N	.002	.20
KR194S	33 28 14	113 50 28	.06	N	40	<.05	N	N	.10
KR195S	33 28 8	113 50 26	.06	N	45	.05	N	<.002	.20
KR196S	33 27 3	113 49 32	.26	N	40	.05	N	.002	.20
KR197S	33 27 31	113 49 13	.10	N	40	.05	N	<.002	.25
KR198S	33 26 28	113 52 3	.14	N	60	<.05	N	<.004	.30
KR199S	33 26 39	113 47 11	.06	N	45	.05	N	<.002	.15
KR200S	33 26 30	113 53 28	.06	N	45	<.05	N	<.002	.15
KR201S	33 26 11	113 48 30	.06	N	45	<.05	N	.012	.15
KR202S	33 25 47	113 49 40	.08	N	65	.05	N	.002	.10
KR203S	33 25 27	113 50 13	.10	N	50	<.05	N	<.002	.05
KR204S	33 25 19	113 50 14	.08	<10	55	.05	N	.002	.15
KR205S	33 25 13	113 50 2	.06	N	45	.05	N	.008	.10
KR206S	33 24 23	113 49 19	.04	N	55	.05	N	<.002	.20
KR207S	33 24 32	113 49 32	.08	N	60	<.05	N	.002	.05
KR208S	33 24 51	113 49 36	.06	N	45	<.05	N	N	.10
KR209S	33 24 57	113 49 5	.06	N	50	<.05	N	<.002	.15
KR210S	33 22 51	113 52 51	.08	N	65	.05	N	N	.10
KR211S	33 24 17	113 54 46	.04	N	50	.05	N	.004	.20
KR212S	33 24 5	113 53 27	.20	<10	50	.05	N	N	.20
KR213S	33 24 6	113 53 33	.06	N	50	.05	N	.004	.15
KR214S	33 23 38	113 53 23	.06	N	55	.05	N	.002	.15
KR215S	33 23 19	113 52 9	.14	<10	45	<.05	N	.004	.25
KR216S	33 22 58	113 51 46	.22	N	45	.05	N	N	.15
KR217S	33 26 18	113 52 36	.20	N	50	.05	<2	.002	.40
KR218S	33 26 22	113 52 37	.06	N	50	.05	N	.004	.30
KR219S	33 25 10	113 45 13	.10	N	50	.05	2	N	.40
KR220S	33 24 0	113 45 39	.08	<10	70	.05	N	N	.30
KR221S	33 23 54	113 45 52	.06	60	620	33.00	4	.250	.95
KR222S	33 29 3	113 46 23	.06	N	50	.05	N	N	.25
KR223S	33 24 20	113 47 44	.06	N	50	.05	N	N	.25
KR224S	33 24 17	113 47 37	.08	N	50	.05	N	N	.15
KR225S	33 29 30	113 47 36	.06	N	50	.05	N	N	.25
KR226S	33 21 34	113 45 32	.18	N	150	.15	2	N	.50
KR227S	33 21 33	113 45 53	.12	N	70	.10	N	N	.55
KR228S	33 22 17	113 46 53	.06	N	50	.05	N	N	.35
KR229S	33 23 24	113 48 55	.06	N	55	.05	N	N	.25
KR230S	33 23 21	113 48 55	.04	N	65	<.05	N	N	.05
KR231S	33 22 36	113 48 55	.06	N	55	.05	N	<.002	.25

TABLE 4. ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Ag-ppm aa	Sb-ppm aa	Au-ppm aa	Tl-ppm aa
KR232S	33 22 35	113 50 34	.08	N	50	.05	N	N	.40
KR233S	33 22 29	113 50 40	.10	N	50	.05	N	N	.30
KR234S	33 24 47	113 55 17	.16	N	50	<.05	N	N	.05
KR235S	33 25 21	113 55 56	.06	N	55	<.05	N	N	.10
KR236S	33 25 16	113 55 57	.10	N	55	<.05	N	N	.15
KR237S	33 27 37	113 55 58	.10	N	50	.05	N	N	.40
KR238S	33 27 18	113 57 1	.10	N	50	.05	N	.002	.25
KR239S	33 27 18	113 56 55	.10	N	45	.45	2	<.002	.40
KR240S	33 27 35	113 57 33	.40	N	35	.05	N	N	.35
KR241S	33 27 49	113 58 15	.06	N	65	.10	N	N	.20
KR242S	33 26 17	113 58 17	.16	N	90	.05	2	N	.30
KR243S	33 25 34	113 58 53	.20	N	210	.20	8	N	.10
KR244S	33 25 36	113 59 3	.10	N	45	<.05	<2	N	.20
KR245S	33 28 26	114 1 21	.10	N	65	.05	N	N	.20
KR246S	33 28 18	114 0 47	.06	<10	75	.05	2	N	.25
KR247S	33 26 47	114 0 47	.06	N	70	.10	N	N	.20
KR248S	33 26 49	114 0 36	.08	N	50	.05	N	N	.25
KR249S	33 25 23	114 1 0	.06	N	90	.05	10	N	.20
KR250S	33 25 17	114 1 14	.14	N	60	<.05	6	N	.15
KR251S	33 22 54	114 1 14	.12	N	40	<.05	N	N	.30
KR252S	33 22 45	114 1 13	.30	N	60	<.05	2	<.002	.20
KR253S	33 24 11	114 0 59	.06	N	40	<.05	N	N	.25
KR254S	33 23 17	114 0 16	.12	N	40	<.05	N	<.002	.15
KR255S	33 24 47	114 1 47	.04	N	35	<.05	N	N	.20
KR256S	33 23 59	114 2 14	.08	N	50	<.05	N	N	.20
KR257S	33 23 56	114 2 23	.08	N	50	<.05	N	N	.30
KR258S	33 24 31	114 2 34	.08	10	50	<.05	N	<.002	.40
KR259S	33 25 24	114 3 51	.20	N	60	.05	2	N	.25
KR260S	33 25 54	114 4 29	.12	N	50	.05	N	N	.35
KR261S	33 25 29	114 5 28	.16	N	50	<.05	<2	<.002	.35
KR262S	33 25 21	114 5 39	.26	N	70	.05	N	N	.40
KR263S	32 59 27	114 10 7	.04	20	45	.05	<2	.004	.45
KR264S	33 22 49	114 6 12	.16	20	65	N	10	<.002	.35
KR265S	33 25 45	114 7 12	.02	10	60	N	N	.002	.70
KR266S	33 23 33	114 4 33	.08	10	45	N	2	<.002	.40
KR267S	33 23 47	114 4 43	.52	<10	70	.05	6	<.002	.20
KR268S	33 21 36	114 2 25	.04	10	45	N	6	.002	.45
KR269S	33 21 48	114 2 40	.08	<10	50	.05	4	N	.60
KR270S	33 22 40	114 4 28	.50	<10	55	<.05	2	<.002	.35
KR271S	33 21 35	114 6 15	.48	<10	55	N	2	<.002	.40
KR272S	33 20 30	114 5 6	1.60	<10	60	N	2	<.002	.45
KR273S	33 20 13	114 3 26	.08	N	60	<.05	<2	<.002	.60
KR274S	33 18 45	114 1 50	.10	<10	80	N	4	.006	.45
KR275S	33 18 12	114 0 13	.04	10	65	N	4	<.002	.50
KR276S	33 21 27	114 0 10	.22	10	100	.05	8	<.002	.45

TABLE 4. ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Ag-ppm aa	Sb-ppm aa	Au-ppm aa	Tl-ppm aa
KR277S	33 21 13	114 8 43	.04	10	60	<.05	N	N	.30
KR278S	33 19 25	114 9 0	.16	10	75	<.05	N	.002	.40
KR279S	33 17 7	114 7 52	.04	10	50	N	N	<.002	.25
KR280S	33 18 4	114 9 40	.04	<10	55	N	N	<.002	.15
KR281S	33 18 12	114 10 42	.04	10	50	N	N	.020	.40
KR282S	33 17 45	114 12 0	.08	<10	45	<.05	N	.150	.75
KR283S	33 16 32	114 12 42	.04	10	50	<.05	<2	<.002	.50
KR284S	33 15 15	114 12 52	.04	10	75	N	2	.004	.40
KR285S	33 15 5	114 10 43	.04	10	55	N	2	<.002	.40
KR286S	33 15 23	114 9 42	.02	10	85	.10	N	<.002	.40
KR287S	33 15 36	114 9 24	N	N	50	.05	N	<.002	.40
KR288S	33 17 30	114 5 49	N	<10	35	<.05	N	.002	.45
KR289S	33 18 44	114 3 1	N	<10	60	.05	<2	<.002	.65
KR290S	33 21 5	114 2 0	.20	<10	75	<.05	2	<.002	.40
KR291S	33 23 45	114 7 47	.20	<10	85	.05	2	.002	.40
KR292S	33 23 45	113 59 0	4.00	N	85	.05	<2	<.002	.40
KR293S	33 23 30	113 58 14	.16	N	55	<.05	<2	.002	.35
KR294S	33 23 23	113 58 19	4.00	N	60	N	<2	<.002	.35
KR295S	33 23 28	113 57 12	.28	20	140	.05	10	.002	.35
KR296S	33 23 43	113 56 15	.14	10	70	N	6	.014	.35
KR297S	33 22 16	113 58 56	.14	<10	50	N	2	.002	.40
KR298S	33 20 46	113 58 8	.06	<10	45	N	2	<.002	.50
KR299S	33 20 33	113 55 56	.18	<10	95	<.05	6	.002	.35
KR300S	33 20 24	113 55 55	.30	10	85	<.05	6	.082	.30
KR301S	33 20 19	113 55 52	.26	<10	85	.05	2	.002	.35
KR302S	33 21 25	113 54 17	.26	<10	85	<.05	4	.006	.40
KR303S	33 21 24	113 52 5	.30	N	130	.05	8	<.002	.35
KR304S	33 20 18	113 51 37	.38	20	180	N	6	.002	.35
KR305S	33 19 28	113 53 13	.18	10	50	N	2	<.002	.45
KR306S	33 19 27	113 53 20	.16	10	55	<.05	2	.020	.50
KR307S	33 18 27	113 52 52	.12	10	55	<.05	2	<.002	.45
KR308S	33 18 32	113 54 42	.10	10	50	N	2	.014	.35
KR309S	33 19 0	113 56 13	.06	10	50	N	4	.014	.45
KR310S	32 59 33	114 9 34	N	30	55	N	4	.002	.45
KR311S	32 59 13	114 8 22	N	20	40	<.05	<2	.002	.45
KR312S	32 58 39	114 7 4	N	20	40	N	2	<.002	.45
KR313S	32 57 1	114 7 36	N	20	35	N	<2	.044	.35
KR314S	32 56 45	114 6 45	N	20	40	N	2	<.002	.40
KR315S	33 0 47	114 4 57	.02	20	50	N	4	<.002	.60
KR316S	33 1 17	114 5 2	N	40	50	1.80	4	.026	.80
KR317S	32 59 52	114 4 7	N	20	45	.05	2	.002	.45
KR318S	32 56 58	114 3 7	.02	20	45	N	4	.072	.60
KR319S	32 57 13	114 2 35	.02	30	45	.05	4	.028	.65
KR320S	32 56 51	113 59 53	.06	20	50	.05	4	<.002	.55
KR321S	32 56 43	113 56 50	.56	10	45	<.05	N	<.002	.35

TABLE 4. ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Ag-ppm aa	Sb-ppm aa	Au-ppm aa	Tl-ppm aa
KR322S	32 58 10	113 57 27	.06	60	45	N	<2	.002	.45
KR323S	32 59 5	113 57 18	.06	20	50	<.05	4	<.002	.65
KR324S	32 59 54	113 58 48	.06	20	50	<.05	2	.002	.80
KR325S	33 0 10	113 58 50	.04	20	40	<.05	2	.006	.60
KR326S	33 0 15	113 57 33	.06	10	45	.05	2	.002	.45
KR327S	33 1 26	113 58 25	.08	10	50	.05	2	<.004	.90
KR328S	33 1 38	113 58 28	.04	20	50	.05	4	<.002	.75
KR329S	33 2 5	113 57 16	.06	10	40	N	<2	<.002	.40
KR330S	33 2 46	113 57 35	.06	30	50	.05	4	.004	.60
KR331S	33 2 29	114 1 3	.02	20	45	.05	2	.002	.50
KR332S	33 2 17	114 1 4	.02	20	45	.05	2	.020	.65
KR333S	33 2 11	114 0 35	.02	<10	40	<.05	2	<.002	.90
KR334S	33 4 22	113 46 31	.06	10	35	N	<2	<.002	.55
KR335S	33 3 1	113 47 2	.08	10	60	.10	<2	.008	.80
KR336S	33 2 48	113 48 6	.04	<10	75	.05	N	N	.45
KR337S	33 4 7	113 47 49	.08	<10	95	.05	<2	<.010	.50
KR338S	33 6 37	113 45 43	.06	10	40	N	<2	N	.25
KR339S	33 8 0	113 45 30	.06	<10	30	N	<2	<.002	.30
KR340S	33 7 48	113 46 33	.04	<10	30	N	N	<.002	.40
KR341S	33 7 41	113 47 45	.02	<10	30	N	N	<.002	.35
KR342S	33 9 5	113 48 0	.02	<10	40	N	<2	.002	.45
KR343S	33 9 0	113 48 3	.02	<10	25	N	<2	<.002	.40
KR344S	33 9 51	113 49 51	.02	<10	30	N	<2	.004	.45
KR345S	33 11 24	113 48 47	.18	<10	45	N	<2	<.002	.30
KR346S	33 11 55	113 49 51	.08	<10	35	N	<2	N	.35
KR347S	33 11 35	113 50 14	.24	10	65	N	2	N	.30
KR348S	33 12 13	113 46 4	.24	<10	40	N	2	<.002	.30
KR349S	33 12 23	113 47 24	.18	10	30	N	2	N	.40
KR350S	33 12 35	113 47 44	.10	<10	35	N	<2	<.002	.35
KR351S	33 13 1	113 47 2	.08	<10	40	N	<2	N	.45
KR352S	33 17 10	113 56 12	.12	10	50	N	2	<.002	.55
KR353S	33 13 50	113 56 0	.02	10	45	N	2	.004	.45
KR354S	33 14 18	113 55 10	.04	50	70	.05	6	<.002	.55
KR355S	33 12 47	113 49 59	.02	30	55	<.05	2	<.002	.60
KR356S	33 13 46	113 53 57	N	40	60	N	2	<.002	.35
KR357S	33 12 40	113 51 25	.08	40	45	<.05	4	.250	.40
KR358S	33 13 49	113 51 26	.08	210	45	1.70	4	1.000	.55
KR359S	33 13 38	113 49 51	.24	10	40	N	2	<.002	.35
KR360S	33 14 13	113 50 13	.06	10	50	N	2	N	.30
KR361S	33 15 20	113 59 16	N	N	10	N	<2	<.002	N
KR362S	33 9 12	113 49 30	.04	<10	40	N	<2	<.008	.40
KR363S	33 8 13	113 48 59	.04	10	40	N	<2	N	<.50
KR364S	33 7 37	113 48 32	.02	10	40	N	2	.012	.40
KR365S	33 10 0	113 47 47	.12	<10	35	N	<2	N	.30
KR366S	33 10 40	113 46 43	.30	<10	40	N	<2	<.002	.20

TABLE 4. ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Ag-ppm aa	Sb-ppm aa	Au-ppm aa	Pb-ppm aa
KR367S	33 10 45	113 45 53	.28	<10	35	N	<2	<.002	.35
KR368S	33 10 55	113 45 10	.08	10	50	<.05	<2	N	.50
KR369S	33 16 6	113 58 47	.04	10	45	N	2	N	.70
KR370S	33 15 57	113 58 53	.04	10	45	<.05	6	<.002	.95
KR371S	33 15 56	113 58 44	.04	10	40	N	4	N	.75
KR372S	33 17 10	113 53 11	.08	10	40	N	2	<.002	.60
KR373S	33 17 13	113 53 7	.08	<10	40	N	<2	N	.45
KR374S	33 16 39	113 52 12	.06	10	40	N	2	N	.55
KR375S	33 16 46	113 52 3	.10	<10	35	N	2	N	.40
KR376S	33 16 13	113 51 43	.06	10	50	.05	2	N	.80
KR377S	33 16 6	113 50 30	.14	<10	35	N	2	N	.40
KR378S	33 2 5	114 9 35	.18	150	950	1.80	8	<.008	.40
KR379S	33 17 48	113 48 28	.16	<10	50	<.05	2	N	.35
KR380S	33 17 43	113 48 34	--	10	45	N	<2	--	--
KR381S	33 17 19	113 49 12	.12	<10	50	N	2	.004	.20
KR382S	33 17 1	113 49 43	.02	N	45	N	<2	.008	.35
KR383S	33 17 48	113 50 48	.02	20	50	<.05	6	.002	.70
KR384S	33 15 26	113 51 5	.02	10	40	N	2	<.002	.60
KR385S	33 17 37	113 56 38	.26	<10	50	N	N	<.002	.35
KR386S	33 17 52	113 57 4	.04	<10	35	N	2	.004	.80
KR387S	33 17 45	113 57 34	.02	10	35	N	2	<.004	1.00
KR388S	33 17 50	113 57 45	.04	10	30	N	4	.012	.55
KR389S	33 18 45	113 59 23	.02	20	40	N	6	.004	.45
KR390S	33 18 49	113 59 23	.02	10	50	N	4	<.002	.45
KR391S	33 16 6	113 57 50	.02	20	90	.15	4	.050	.60
KR392S	33 16 0	113 57 51	.08	20	180	.40	4	.044	.65
KR393S	33 15 54	113 57 48	.08	20	90	.15	12	.014	.40
KR394S	33 16 0	113 57 45	.22	60	1,200	1.70	24	.250	1.80
KR395S	33 14 39	114 13 2	.04	10	60	N	<2	.002	.40
KR396S	33 14 18	114 14 24	N	10	40	N	<2	.050	.35
KR397S	33 14 14	114 14 28	.02	10	45	N	<2	<.002	.25
KR398S	33 13 45	114 14 33	.02	<10	40	N	N	.002	.35
KR399S	33 13 0	114 14 51	.04	<10	55	N	<2	.050	.30
KR400S	33 12 21	114 14 47	.04	<10	40	N	N	<.002	.35
KR401S	33 11 25	114 14 58	.02	N	40	N	N	.004	.45
KR402S	33 11 39	114 14 57	.04	N	35	N	N	<.002	.30
KR403S	33 10 35	114 14 32	.02	N	30	N	N	<.008	.40
KR404S	33 10 22	114 14 5	N	<10	40	N	<2	.050	.35
KR405S	33 9 27	114 13 35	N	<10	35	N	N	<.002	.30
KR406S	33 9 27	114 13 25	.02	20	90	N	4	.050	.60
KR407S	33 8 59	114 12 41	.08	20	180	N	4	.100	.65
KR408S	33 8 55	114 12 41	N	10	50	N	4	<.004	.40
KR409S	33 8 14	114 13 59	N	10	40	.15	4	.008	.35
KR410S	33 8 0	114 13 35	.04	<10	50	.45	<2	.004	.30
KR411S	33 7 52	114 13 25	N	N	30	N	N	<.002	.35

TABLE 4. ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Ag-ppm aa	Sb-ppm aa	Au-ppm aa	Tl-ppm aa
KR412S	33 8 5	114 11 38	.02	N	40	N	N	.006	.45
KR413S	33 8 1	114 11 32	.04	N	40	N	<2	.008	.35
KR414S	33 8 5	114 12 8	.02	<10	50	N	<2	.004	.30
KR415S	33 7 26	114 11 52	N	<10	35	N	<2	.050	.45
KR416S	33 7 38	114 11 53	N	<10	45	N	<2	.002	.30
KR417S	33 6 38	114 12 27	N	<10	30	N	N	N	.35
KR418S	33 6 32	114 12 0	N	<10	30	N	N	N	.45
KR419S	33 6 20	114 10 43	N	10	40	N	2	.004	.40
KR420S	33 6 4	114 10 18	N	10	50	N	<2	.002	.50
KR421S	33 5 58	114 10 6	N	10	45	N	N	<.002	.45
KR422S	33 4 57	114 9 55	N	10	50	N	N	.012	.45
KR423S	33 4 43	114 9 47	N	<10	40	N	N	<.002	.50
KR424S	33 4 43	114 9 40	N	10	40	N	N	<.002	.55
KR425S	33 3 35	114 8 59	N	<10	50	N	N	<.002	.40
KR426S	33 3 17	114 9 5	N	10	50	N	<2	<.002	.65
KR427S	33 2 57	114 9 21	N	40	140	.20	2	.006	.50
KR428S	33 1 50	114 9 2	N	30	70	.05	2	.010	.50
KR429S	33 2 22	114 8 23	N	10	60	.05	2	<.002	.40
KR430S	33 2 52	114 8 7	N	10	45	<.05	2	N	.45
KR431S	33 2 27	114 7 45	N	10	50	.05	2	.004	.40
KR432S	33 2 17	114 7 33	N	20	50	.05	2	.014	.40
KR433S	33 1 19	114 8 57	N	<10	40	.10	<2	<.004	.30
KR434S	33 0 38	114 9 52	N	10	60	.05	<2	<.002	.45
KR435S	33 0 10	114 9 34	.02	<10	45	<.05	<2	<.008	.80
KR436S	33 0 33	114 8 17	N	10	45	<.05	2	<.002	.45
KR437S	33 0 13	114 8 16	N	20	35	<.05	2	<.002	.30
KR438S	33 14 1	114 12 22	.02	10	40	<.05	4	<.032	<.80
KR439S	33 13 34	114 12 46	.04	10	85	<.05	2	.032	.50
KR440S	33 13 29	114 12 37	.14	N	230	<.05	2	.004	.30
KR441S	33 13 13	114 12 21	.04	N	50	<.05	<2	<.002	.50
KR442S	33 13 24	114 11 20	.10	N	95	<.05	2	N	.50
KR443S	33 13 18	114 11 18	.02	N	45	<.05	<2	.012	.60
KR444S	33 11 58	114 9 1	N	N	35	N	<2	N	.40
KR445S	33 11 50	114 9 5	N	<10	45	<.05	<2	<.002	.40
KR446S	33 11 0	114 9 2	.04	N	45	<.05	N	.008	.60
KR447S	33 10 14	114 8 38	.06	N	35	N	<2	<.002	.35
KR448S	33 11 45	114 12 30	.04	<10	45	N	<2	N	.40
KR449S	33 9 58	114 10 12	.04	<10	40	N	N	<.002	.45
KR450S	33 9 53	114 10 11	.06	<10	55	.05	<2	<.002	.45
KR451S	33 9 14	114 10 30	.04	N	50	<.05	<2	<.002	.40
KR452S	33 9 15	114 10 23	.04	N	50	N	N	<.002	.30
KR453S	33 8 0	114 9 30	.02	<10	45	N	<2	<.002	.50
KR454S	33 8 4	114 9 43	.02	<10	45	<.05	<2	<.002	.30
KR455S	33 8 41	114 8 35	.02	<10	40	<.05	<2	.002	.40
KR456S	33 8 55	114 8 50	.06	N	50	<.05	N	<.016	.40

TABLE 4. ANALYSES OF STREAM-SEDIMENT SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Hg-ppm inst	As-ppm aa	Zn-ppm aa	Ag-ppm aa	Sb-ppm aa	Au-ppm aa	Tl-ppm aa
KR457S	33 7 27	114 6 11	.04	<10	40	<.05	<2	<.002	.50
KR458S	33 7 14	114 7 20	.02	10	45	N	2	<.002	.40
KR459S	33 7 19	114 6 45	.04	<10	45	N	<2	<.010	.50
KR460S	33 6 36	114 6 36	.02	10	45	N	<2	<.002	.45
KR461S	33 6 31	114 5 51	.02	10	35	N	<2	N	.50
KR462S	33 6 13	114 4 49	.04	10	40	<.05	2	<.008	.60
KR463S	33 8 20	114 3 48	.02	<10	40	<.05	<2	<.004	.40
KR465S	33 5 6	114 6 52	.02	<10	50	N	2	N	.60
KR466S	33 5 1	114 6 55	.02	<10	40	N	2	N	.50
KR467S	33 4 2	114 6 27	.02	20	50	.05	2	<.002	.65
KR468S	33 7 4	114 6 7	.04	<10	35	N	2	<.004	1.00
KR469S	33 4 28	114 4 58	.04	20	50	.05	2	.006	.70
KR470S	33 6 25	114 4 4	.04	<10	40	.10	<2	<.008	.40
KR471S	33 3 59	114 4 39	.02	20	45	.05	2	<.004	.50
KR472S	33 2 37	114 5 11	.14	10	60	.35	N	.100	.80
KR473S	33 2 31	114 5 10	.06	20	40	.10	N	N	.60
KR474S	33 2 3	114 4 19	.08	<10	45	.10	N	N	.75
KR475S	33 3 34	114 3 19	.08	20	45	.05	8	<.002	.60
KR476S	33 4 7	114 1 45	.04	N	45	.10	N	--	--
KR477S	33 3 34	114 1 46	.06	<10	40	<.05	4	--	.40
KR478S	33 3 28	114 1 41	.06	N	25	<.05	N	<.002	.55
KR479S	33 15 30	113 56 26	.06	20	95	.10	N	.100	.80
KR480S	33 16 15	113 57 24	.08	N	50	.10	20	.022	.55
KR481S	33 16 3	113 57 28	.14	10	55	.15	6	.050	.65
KR482S	33 17 45	113 58 52	.10	<10	70	.05	N	.006	.70
KR483S	33 17 46	113 58 17	.24	10	240	.60	N	.300	.65
KR484S	33 15 35	113 57 43	.10	<10	60	.05	26	.006	.60
KR485S	33 15 40	113 57 53	.10	<10	50	.10	14	.010	.60
KR486S	33 15 45	113 58 7	.04	N	60	.05	2	.022	.45
KR487S	33 15 48	113 58 17	.10	<10	60	.05	4	.006	.50
KR488S	33 15 54	113 58 34	.02	N	55	.10	N	.004	.55
KR489S	33 16 5	113 58 28	.02	N	55	.05	2	.020	.45
KR490S	33 16 14	113 58 35	.02	N	50	.05	2	.250	.50
KR491S	33 16 26	113 58 41	.06	10	60	.10	<2	.080	.50
KR492S	33 16 27	113 58 31	N	10	50	.10	2	.440	.60
KR493S	33 16 30	113 58 30	N	20	65	.10	4	.250	.60
KR494S	33 16 24	113 58 13	N	20	70	.20	4	--	1.00
KR495S	33 16 22	113 58 10	N	10	55	.10	2	.020	.65
KR496S	33 16 32	113 58 0	.02	10	80	1.00	2	.650	.75
KR497S	33 17 10	113 57 30	N	N	70	.15	N	.100	.50
KR498S	33 16 35	113 57 24	.02	N	110	.20	N	.096	.60
KR499S	33 17 15	113 58 52	N	N	120	.15	N	.080	.70
KR500S	33 16 12	113 57 58	.02	20	190	.50	6	.250	1.00

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA

[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Tl-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR0001C	33 34 57	114 5 17	.20	2.00	5.00	2.00	100	1,500	N	N	50	10,000
KR0004C	33 34 19	113 57 36	.30	.15	1.00	>2.00	100	N	N	N	70	1,000
KR0005C	33 33 37	113 57 11	.20	.07	1.00	2.00	70	N	N	N	50	10,000
KR0006C	33 33 54	113 56 45	.50	.15	1.00	>2.00	100	N	N	N	70	500
KR0007C	33 33 24	113 56 6	.70	.20	2.00	1.00	150	N	3,000	N	30	10,000
KR0008C	33 33 47	113 55 31	.30	.20	2.00	.50	30	N	N	N	20	1,500
KR0009C	33 33 58	113 55 58	.50	.30	7.00	1.50	100	5	N	N	30	1,500
KR0010C	33 34 1	113 55 51	.50	.20	5.00	>2.00	70	N	N	N	50	2,000
KR0013C	33 37 29	114 1 50	.20	2.00	3.00	1.50	200	7	2,000	N	50	>10,000
KR0014C	33 38 47	114 3 6	.20	.15	1.50	2.00	70	N	N	N	20	10,000
KR0015C	33 37 6	114 1 44	.30	.20	5.00	1.00	200	N	N	N	100	>10,000
KR0017C	33 37 56	114 0 58	.20	1.00	5.00	>2.00	100	N	N	N	100	>10,000
KR0018C	33 37 54	114 0 11	.50	1.00	5.00	2.00	300	N	N	N	50	>10,000
KR0020C	33 33 0	113 58 38	.70	.20	5.00	>2.00	300	N	N	N	70	10,000
KR0021C	33 33 26	113 59 35	.70	.15	5.00	>2.00	700	N	N	N	70	>10,000
KR0022C	33 33 37	114 0 40	.50	.15	3.00	>2.00	150	N	N	N	100	5,000
KR0023C	33 34 37	114 1 36	.70	.30	3.00	>2.00	150	N	N	N	50	10,000
KR0024C	33 34 34	114 1 43	.30	.50	7.00	1.50	150	N	N	N	30	>10,000
KR0025C	33 33 56	114 1 21	.70	.50	5.00	>2.00	150	N	N	N	70	10,000
KR0026C	33 33 50	114 1 31	.70	.50	5.00	>2.00	200	N	N	N	100	5,000
KR0027C	33 34 36	114 2 34	.30	.50	3.00	>2.00	100	N	N	N	50	5,000
KR0028C	33 34 35	114 3 0	.30	.20	1.50	.70	50	7	N	N	50	1,500
KR0029C	33 35 19	114 2 35	.30	5.00	5.00	1.00	300	10	N	N	20	>10,000
KR0030C	33 35 47	114 3 16	.20	.15	3.00	2.00	100	N	N	N	30	1,000
KR0031C	33 36 13	114 3 23	.30	.50	5.00	2.00	200	N	N	N	50	1,000
KR0032C	33 32 32	113 58 26	.50	.20	2.00	2.00	70	N	N	N	30	1,500
KR0033C	33 32 13	113 57 46	.50	.30	2.00	.70	70	N	N	N	50	1,000
KR0034C	33 31 18	113 56 21	.20	.20	5.00	2.00	50	N	N	N	50	10,000
KR0035C	33 31 28	113 55 29	.70	.30	5.00	>2.00	200	N	N	N	100	1,500
KR0036C	33 31 24	113 54 44	.30	.20	2.00	2.00	50	N	N	N	20	700
KR0037C	33 31 32	113 54 21	.30	.20	3.00	2.00	50	N	N	N	50	1,000
KR0038C	33 32 8	113 53 57	.30	.50	3.00	2.00	300	N	7,000	N	30	>10,000
KR0039C	33 32 57	113 55 51	.30	.20	2.00	2.00	200	N	500	N	50	2,000
KR0041C	33 33 11	113 55 1	.50	.50	2.00	1.50	70	N	N	N	70	5,000
KR0042C	33 33 8	113 54 43	.30	.50	7.00	>2.00	150	N	N	N	20	>10,000
KR0043C	33 32 53	113 53 51	.50	.30	3.00	2.00	70	N	N	N	50	1,000
KR0044C	33 34 26	113 54 19	.30	.20	2.00	2.00	150	N	N	N	50	>10,000
KR0045C	33 31 8	113 48 34	.50	.50	2.00	2.00	100	N	N	N	70	2,000
KR0048C	33 31 41	113 49 57	.70	1.00	3.00	2.00	150	N	N	N	70	2,000
KR0049C	33 31 44	113 50 21	.50	.20	2.00	.70	100	N	N	N	20	1,500
KR0053C	33 32 57	113 51 53	.50	.50	3.00	2.00	100	N	N	N	100	3,000
KR0054C	33 33 2	113 52 14	.50	1.00	3.00	.70	100	N	N	N	70	2,000
KR0055C	33 33 19	113 52 33	.70	.70	3.00	2.00	150	N	N	N	50	1,500
KR0058C	33 36 44	113 55 40	.50	.20	5.00	>2.00	150	N	N	N	50	10,000
KR0059C	33 36 10	113 55 27	.20	.15	5.00	.50	150	N	N	N	20	>10,000

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S
KP0001C	<2	N	N	N	N	15	<50	N	<50	15	10,000
KR0004C	2	N	N	N	N	N	<50	N	<50	10	30
KP0005C	3	N	N	N	N	N	N	N	N	20	N
KP0006C	N	N	N	<10	N	N	N	N	70	<10	100
KP0007C	N	N	N	<10	N	<10	N	N	N	10	<20
KR0008C	N	N	N	<10	N	N	N	N	N	N	N
KR0009C	N	N	N	N	N	N	N	N	<50	20	50
KR0010C	N	N	N	N	N	N	N	N	50	N	200
KR0013C	N	N	N	<10	<20	15	100	30	<50	<10	10,000
KP0014C	N	N	N	N	N	N	N	N	N	<10	300
KR0015C	N	N	N	<10	N	N	150	N	N	10	500
KR0017C	<2	N	N	N	20	<10	<50	N	100	10	2,000
KR0018C	<2	N	N	N	<20	N	200	<10	<50	10	150
KP0020C	3	N	N	<10	N	N	<50	N	50	10	50
KP0021C	3	N	N	<10	N	N	100	N	70	10	50
KP0022C	2	N	N	N	N	<10	N	N	50	10	150
KR0023C	<2	N	N	<10	20	N	200	N	100	<10	20
KR0024C	N	N	N	N	N	N	N	N	<50	<10	20
KP0025C	2	N	N	<10	N	10	100	N	70	<10	3,000
KP0026C	2	N	N	10	<20	<10	<50	N	100	<10	100
KP0027C	N	N	N	<10	N	N	N	N	50	<10	500
KP0028C	<2	N	N	<10	N	200	N	N	N	15	1,000
KR0029C	N	N	N	N	N	50	100	N	N	10	10,000
KR0030C	2	N	N	N	N	N	100	N	N	30	200
KP0031C	2	N	N	<10	N	<10	100	N	N	15	2,000
KR0032C	N	N	N	<10	N	N	N	N	N	N	50
KR0033C	N	N	N	<10	N	N	N	N	N	<10	20
KR0034C	N	N	N	N	N	N	N	N	N	20	N
KR0035C	N	N	N	<10	<20	N	100	N	70	<10	1,000
KR0036C	N	N	N	N	N	<10	N	N	N	N	100
KR0037C	N	N	N	N	N	N	N	N	N	10	N
KR0038C	<2	N	N	N	N	N	<50	N	N	N	20
KP0039C	N	N	N	N	N	70	N	N	N	20	N
KR0041C	N	N	N	<10	N	N	N	N	N	N	500
KR0042C	<2	N	N	N	N	N	100	N	50	10	20
KR0043C	<2	N	N	<10	N	N	N	N	N	10	70
KR0044C	3	N	N	<10	N	N	100	N	N	10	300
KP0045C	N	N	N	<10	100	N	100	N	N	<10	200
KR0048C	N	N	N	N	N	N	100	N	N	15	N
KR0049C	N	N	N	<10	N	N	<50	N	N	10	300
KR0053C	N	N	N	<10	N	20	N	N	N	10	100
KR0054C	N	N	N	<10	N	<10	N	N	N	<10	200
KR0055C	N	N	N	<10	50	N	N	N	N	15	50
KR0058C	<2	N	N	N	20	<10	<50	N	<50	10	N
KP0059C	N	N	N	N	N	N	N	N	N	<10	200

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S
KR0001C	N	<10	N	1,500	200	150	500	N	>2,000	N
KR0004C	N	20	N	N	100	N	700	N	>2,000	N
KR0005C	N	20	N	N	50	N	700	N	>2,000	N
KR0006C	N	N	N	<200	150	N	200	N	>2,000	<200
KR0007C	N	N	N	700	50	N	300	N	>2,000	N
KR0008C	N	N	N	1,000	20	N	100	N	>2,000	N
KP0009C	N	N	N	N	50	N	150	N	>2,000	N
KR0010C	N	N	<20	<200	100	N	200	N	>2,000	N
KR0013C	N	N	N	2,000	300	2,000	200	N	>2,000	N
KR0014C	N	<10	N	N	150	<100	500	N	>2,000	500
KR0015C	N	N	100	500	150	N	500	N	>2,000	N
KR0017C	N	<10	N	700	300	N	500	N	>2,000	N
KR0018C	N	N	N	700	100	N	500	1,000	>2,000	N
KR0020C	N	20	N	500	150	N	1,000	N	>2,000	N
KR0021C	N	<10	N	500	150	N	1,000	N	>2,000	N
KR0022C	N	N	N	300	100	N	300	N	>2,000	200
KR0023C	N	<10	<20	500	100	N	500	N	>2,000	<200
KR0024C	N	N	N	700	70	N	300	N	>2,000	N
KR0025C	N	N	100	700	150	N	200	N	>2,000	N
KR0026C	N	N	N	500	100	N	500	1,000	>2,000	N
KR0027C	N	N	N	<200	200	200	200	N	>2,000	N
KR0028C	N	N	N	<200	70	N	200	N	>2,000	N
KR0029C	N	N	N	700	1,000	N	700	10,000	>2,000	N
KR0030C	N	<10	N	N	70	N	700	N	>2,000	N
KR0031C	N	N	N	N	200	N	300	N	>2,000	N
KR0032C	N	N	<20	500	30	N	150	N	>2,000	N
KR0033C	N	N	N	500	20	N	150	N	>2,000	N
KR0034C	N	<10	N	1,000	50	N	200	N	>2,000	N
KR0035C	N	N	N	500	100	N	200	N	>2,000	<200
KR0036C	N	N	N	300	50	N	200	N	>2,000	N
KR0037C	N	<10	N	500	70	N	200	N	>2,000	N
KR0038C	N	N	N	>10,000	70	N	300	N	>2,000	N
KR0039C	N	<10	N	<200	30	N	500	N	>2,000	N
KP0041C	N	N	N	1,000	50	N	200	N	>2,000	N
KR0042C	N	N	N	2,000	100	N	700	N	>2,000	N
KR0043C	N	N	N	N	50	N	300	N	>2,000	N
KR0044C	N	30	N	1,000	70	N	1,000	N	>2,000	N
KR0045C	N	N	N	N	70	N	500	N	>2,000	N
KR0048C	N	N	N	N	70	N	200	N	>2,000	N
KR0049C	N	N	N	<200	200	N	200	N	>2,000	N
KR0053C	N	N	N	500	50	N	200	N	>2,000	N
KR0054C	N	N	N	<200	20	N	200	N	>2,000	N
KP0055C	N	N	N	500	50	N	300	N	>2,000	N
KP0058C	N	N	<20	500	100	N	300	N	>2,000	N
KP0059C	N	N	N	500	20	N	200	N	>2,000	N

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR0060C	33 36 9	113 55 21	.10	.10	5.00	1.00	70	N	N	N	<20	>10,000
KR0061C	33 36 27	113 54 23	N	.05	.20	.10	50	N	N	N	<20	>10,000
KR0062C	33 36 18	113 53 46	.20	.15	1.50	.20	100	N	N	N	30	>10,000
KR0063C	33 35 51	113 52 56	.50	.20	10.00	1.50	150	N	500	N	50	>10,000
KR0064C	33 35 3	113 52 15	.20	.20	1.50	.70	50	N	N	N	30	>10,000
KR0065C	33 34 27	113 59 29	.50	.70	5.00	2.00	200	N	N	N	50	3,000
KR0066C	33 34 13	113 50 54	.70	.20	2.00	1.00	150	N	N	N	30	1,500
KR0067C	33 33 43	113 50 11	1.00	1.50	5.00	2.00	500	N	N	N	50	>10,000
KR0068C	33 32 53	113 48 59	.50	.50	5.00	.20	70	N	N	N	50	1,500
KR0070C	33 33 34	113 53 40	.50	.50	2.00	1.00	100	N	N	N	30	>10,000
KR0071C	33 33 38	113 53 16	.50	.30	1.50	1.50	100	N	N	N	50	3,000
KR0072C	33 33 36	113 53 4	.70	.70	3.00	1.00	100	N	N	N	50	3,000
KR0073C	33 36 58	113 56 41	.50	.30	2.00	1.50	100	N	N	N	50	10,000
KR0074C	33 37 4	113 57 1	.30	.10	2.00	2.00	70	N	N	N	50	>10,000
KR0076C	33 36 56	113 59 7	1.00	.30	5.00	>2.00	300	N	N	N	30	2,000
KR0077C	33 37 45	113 58 57	.30	.10	2.00	.50	100	N	N	N	20	>10,000
KR0078C	33 37 36	113 58 58	.30	.20	2.00	1.00	100	N	N	N	50	1,000
KR0079C	33 38 24	113 58 29	.50	.20	5.00	2.00	300	15	N	N	50	>10,000
KR0080C	33 38 16	113 59 26	.30	.10	5.00	.50	500	N	N	N	30	>10,000
KR0081C	33 38 21	113 59 39	.20	.05	1.50	.05	100	N	N	N	<20	>10,000
KR0083C	33 37 11	113 57 48	.20	.07	1.00	2.00	100	N	N	N	<20	5,000
KR0084C	33 37 5	113 57 43	.20	.10	1.00	>2.00	50	N	N	N	20	700
KR0085C	33 36 58	113 58 6	.10	.05	1.00	1.00	70	N	N	N	70	2,000
KR0088C	33 37 50	114 4 28	.50	.20	1.50	1.00	100	N	N	N	50	5,000
KR0089C	33 37 3	114 4 49	.20	1.00	2.00	1.50	100	N	N	N	50	>10,000
KR0091C	33 36 29	114 3 32	.20	.20	2.00	>2.00	100	N	N	N	50	5,000
KR0092C	33 36 20	114 3 13	.30	.30	5.00	2.00	100	N	N	N	100	>10,000
KR0093C	33 37 26	114 3 13	.50	.50	5.00	>2.00	300	N	N	N	100	>10,000
KR0094C	33 37 41	114 3 12	1.00	2.00	5.00	>2.00	200	N	1,000	N	100	>10,000
KR0095C	33 37 36	114 3 11	.20	.20	2.00	.50	200	10	5,000	N	30	>10,000
KR0096C	33 37 36	114 4 2	.30	1.00	3.00	2.00	200	N	N	N	50	10,000
KR0098C	33 39 22	114 1 27	.30	.50	3.00	2.00	150	N	N	N	30	1,500
KR0099C	33 39 29	114 1 37	.50	.70	3.00	2.00	100	N	N	N	50	5,000
KR0100C	33 39 40	114 2 12	.30	.30	2.00	>2.00	100	N	N	N	50	5,000
KR0101C	33 39 57	114 2 46	.50	1.00	3.00	>2.00	150	N	N	N	70	1,500
KR0102C	33 39 27	114 3 52	.70	.50	2.00	2.00	150	N	N	N	50	1,000
KR0105C	33 38 9	114 4 40	.30	.20	3.00	2.00	70	N	N	N	20	10,000
KR0106C	33 38 26	114 4 56	.50	.20	5.00	>2.00	70	10	N	N	30	10,000
KR0107C	33 40 9	114 4 32	1.00	2.00	3.00	>2.00	200	N	N	N	50	>10,000
KR0108C	33 40 7	114 5 22	.70	10.00	10.00	.70	1,000	N	<500	N	200	7,000
KR0109C	33 39 38	114 5 41	.30	5.00	5.00	.70	200	5	N	N	30	1,500
KR0110C	33 39 55	114 6 34	.50	.15	5.00	>2.00	150	N	N	N	50	>10,000
KR0112C	33 39 23	114 7 15	.30	.15	5.00	>2.00	100	N	N	N	50	7,000
KR0113C	33 38 20	114 6 42	.20	.07	1.00	.50	20	20	N	N	20	>10,000
KR0114C	33 37 38	114 6 3	.20	.10	.70	>2.00	50	N	N	N	20	1,000

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S
KR0060C	N	N	N	N	N	<10	N	N	N	<10	1,500
KR0061C	N	N	N	N	100	100	N	N	N	N	500
KR0062C	N	N	N	<10	<20	20	N	N	N	<10	2,000
KR0063C	N	N	N	N	N	15	N	N	N	30	1,000
KR0064C	N	N	N	<10	N	N	N	N	N	10	50
KR0065C	<2	N	N	<10	20	N	N	N	N	10	500
KR0066C	5	N	N	N	N	N	N	N	N	15	N
KR0067C	N	N	N	<10	100	N	<50	N	50	15	N
KR0068C	N	N	N	N	N	N	N	N	N	<10	N
KR0070C	2	N	N	N	N	N	N	N	N	10	N
KR0071C	N	N	N	<10	N	N	N	N	N	<10	50
KR0072C	N	N	N	<10	N	N	N	N	N	<10	<20
KR0073C	N	N	N	<10	N	<10	N	N	N	<10	N
KR0074C	N	N	N	<10	N	N	N	N	N	<10	<20
KR0076C	2	N	N	N	N	N	100	N	N	10	20
KR0077C	2	N	N	N	N	N	N	N	N	10	<20
KR0078C	N	N	N	<10	N	N	N	N	N	<10	N
KR0079C	2	N	N	<10	N	10	100	30	70	<10	1,500
KR0080C	N	N	N	<10	N	N	200	N	N	<10	20
KR0081C	<2	N	N	N	N	N	N	N	N	20	N
KR0083C	<2	N	N	N	N	N	N	N	N	20	1,500
KR0084C	N	N	N	N	N	N	N	N	N	15	N
KR0085C	2	N	N	N	N	N	N	N	N	10	<20
KR0086C	N	N	N	N	N	N	N	N	N	N	1,000
KR0089C	2	N	N	N	N	N	N	100	N	10	3,000
KR0091C	3	N	N	N	N	N	100	N	<50	20	100
KR0092C	N	N	N	N	N	N	<50	N	N	<10	1,000
KR0093C	N	N	N	N	<20	N	150	N	50	<10	3,000
KR0094C	<2	N	N	N	N	N	500	N	200	10	50
KR0095C	N	N	N	N	N	50	<50	50	N	10	20,000
KR0096C	2	N	N	<10	N	200	<50	70	N	15	150
KR0098C	2	30	N	N	N	N	<50	N	N	20	<20
KR0099C	<2	N	N	N	N	N	100	N	N	20	150
KR0100C	3	N	N	N	N	N	100	70	<50	20	200
KR0101C	2	N	N	N	N	N	<50	N	N	<10	20
KR0102C	<2	N	N	<10	N	<10	N	N	<50	30	150
KR0105C	2	N	N	<10	N	N	N	50	N	15	1,000
KR0106C	3	N	N	N	N	N	<50	N	<50	30	3,000
KR0107C	<2	N	N	N	N	N	300	N	N	10	1,000
KR0108C	N	N	N	N	<20	10	N	N	N	<10	200
KR0109C	N	N	N	<10	N	N	<50	N	N	<10	1,000
KR0110C	3	N	N	N	N	N	150	N	N	15	2,000
KR0112C	3	N	N	N	N	N	N	N	N	10	200
KR0113C	N	N	N	N	N	30	300	70	N	N	3,000
KR0114C	3	N	N	N	N	N	N	500	N	20	1,000

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sc-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S
KR0060C	N	N	200	7,000	200	N	200	N	>2,000	N
KR0061C	N	N	N	10,000	100	N	20	N	>2,000	N
KR0062C	N	N	N	3,000	500	N	100	N	>2,000	N
KP0063C	N	N	N	1,000	200	N	500	N	>2,000	N
KP0064C	N	N	150	5,000	30	N	150	N	>2,000	N
KR0065C	N	N	100	500	150	N	500	N	>2,000	200
KP0066C	N	N	N	N	50	N	500	N	>2,000	N
KR0067C	N	N	N	700	100	N	300	N	>2,000	200
KR0068C	N	N	N	500	20	N	100	N	>2,000	N
KR0070C	N	N	N	10,000	50	N	300	N	>2,000	N
KR0071C	N	N	N	<200	30	N	200	N	>2,000	N
KR0072C	N	N	N	300	50	N	100	N	>2,000	N
KP0073C	N	N	N	N	50	N	150	<500	>2,000	N
KR0074C	N	N	N	1,500	70	N	300	N	>2,000	N
KR0076C	N	<10	<20	500	100	N	1,000	N	>2,000	N
KR0077C	N	N	N	500	50	N	300	N	>2,000	N
KP0078C	N	N	N	500	50	N	150	N	>2,000	N
KR0079C	N	N	N	1,000	150	N	300	7,000	>2,000	N
KR0080C	N	<10	N	700	20	N	500	N	>2,000	N
KR0081C	N	<10	N	<200	<20	N	700	N	>2,000	N
KR0083C	N	20	N	N	100	N	700	700	>2,000	N
KP0084C	N	N	N	N	70	N	700	N	>2,000	N
KR0085C	N	20	N	N	20	N	700	N	>2,000	N
KR0088C	N	N	N	N	70	N	200	N	>2,000	N
KR0089C	N	30	N	>10,000	500	N	500	500	>2,000	N
KR0091C	N	30	N	N	100	N	700	N	>2,000	200
KR0092C	N	<10	N	1,500	50	N	300	N	>2,000	N
KR0093C	N	N	N	1,500	500	N	200	N	>2,000	N
KP0094C	N	N	70	500	70	N	500	<500	>2,000	N
KR0095C	N	N	N	2,000	1,500	500	500		>2,000	700
KR0096C	N	N	N	<200	100	N	500	N	>2,000	N
KP0098C	N	N	70	2,000	50	N	500	N	>2,000	N
KR0099C	N	N	N	1,000	70	N	300	N	>2,000	N
KR0100C	N	50	N	1,000	100	N	1,000	N	>2,000	1,000
KR0101C	N	20	100	N	100	N	700	1,000	>2,000	N
KR0102C	N	N	N	<200	100	N	300	N	>2,000	N
KR0105C	N	N	N	<200	200	N	500	N	>2,000	N
KR0106C	N	<10	N	500	200	N	1,000	N	>2,000	N
KR0107C	N	N	N	500	50	N	300	N	>2,000	N
KR0108C	N	N	N	500	50	N	100	N	>2,000	N
KR0109C	N	N	N	N	100	N	300	N	>2,000	N
KR0110C	N	30	N	700	100	<100	200	1,000	>2,000	700
KR0112C	N	20	N	N	70	100	700	N	>2,000	N
KR0113C	N	N	50	700	<20	200	150	N	>2,000	200
KR0114C	N	30	N	N	300	N	1,000	2,000	>2,000	200

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR0115C	33 37 32	114 6 1	.50	.20	2.00	2.00	200	N	N	N	50	1,000
KR0116C	33 37 38	114 6 35	.20	.15	2.00	>2.00	70	N	N	N	<20	3,000
KP0117C	33 37 24	114 7 12	.50	.20	2.00	2.00	200	N	N	N	50	500
KR0118C	33 38 48	114 7 8	.20	.20	2.00	>2.00	50	10	N	200	50	5,000
KR0119C	33 36 33	114 7 54	.30	.20	2.00	2.00	100	N	N	N	50	1,000
KR0120C	33 36 8	114 7 12	.30	1.00	15.00	>2.00	100	N	N	N	70	3,000
KR0121C	33 36 15	114 7 16	.50	.20	3.00	>2.00	100	N	N	N	70	10,000
KR0122C	33 35 55	114 6 14	.30	.30	50.00	.50	150	10	N	N	<20	1,500
KR0123C	33 35 43	114 6 5	.10	.07	1.00	2.00	150	N	N	N	30	5,000
KR0124C	33 34 22	114 6 22	.30	2.00	3.00	>2.00	100	N	N	N	50	>10,000
KR0125C	33 34 30	114 6 21	.20	.70	3.00	>2.00	100	N	N	N	30	3,000
KR0126C	33 33 42	114 4 20	.30	.30	5.00	>2.00	100	N	N	N	70	3,000
KP0127C	33 32 14	114 2 17	.70	.20	2.00	>2.00	150	N	N	N	200	>10,000
KR0128C	33 32 26	114 1 32	.50	.20	5.00	>2.00	100	N	N	N	100	>10,000
KR0130C	33 31 19	114 2 58	.30	.10	3.00	>2.00	100	N	N	N	50	10,000
KP0131C	33 31 17	114 3 11	.50	.20	3.00	>2.00	100	20	N	N	200	3,000
KR0132C	33 31 2	114 3 45	.50	.10	3.00	>2.00	100	N	N	N	30	>10,000
KP0133C	33 31 4	114 3 11	.30	.15	2.00	>2.00	150	N	N	N	50	3,000
KR0134C	33 31 17	114 4 27	.20	.20	2.00	>2.00	150	N	N	N	50	3,000
KP0135C	33 32 19	114 4 39	.15	.05	.50	2.00	50	10	N	N	20	10,000
KR0136C	33 33 0	114 5 3	.70	.20	5.00	>2.00	200	N	N	N	70	10,000
KR0137C	33 31 56	114 5 12	.30	.05	1.00	>2.00	70	N	N	N	50	5,000
KR0138C	33 32 22	114 5 59	.20	.07	.70	>2.00	30	N	N	N	20	>10,000
KR0140C	33 32 13	114 7 13	.15	.10	1.00	>2.00	50	N	N	N	70	>10,000
KR0142C	33 31 32	114 5 23	1.00	.10	5.00	>2.00	150	N	N	N	30	>10,000
KR0142D	33 31 32	114 5 23	.50	.20	2.00	>2.00	150	N	N	N	70	10,000
KR0143C	33 31 40	114 5 36	1.00	.15	.50	>2.00	100	N	N	N	100	3,000
KR0144C	33 34 49	114 9 10	.20	.10	.50	1.00	50	N	N	N	30	10,000
KR0145C	33 34 2	114 8 4	.30	.15	1.00	1.50	200	N	N	N	50	10,000
KR0147C	33 32 35	114 7 52	.30	1.50	3.00	1.00	150	N	N	N	20	>10,000
KR0148C	33 30 52	114 0 45	.30	.10	1.00	2.00	100	N	N	N	30	5,000
KR0149C	33 30 24	113 59 57	.50	.20	3.00	>2.00	100	N	N	N	50	10,000
KR0150C	33 30 5	113 59 14	.30	.10	.70	>2.00	100	N	N	N	50	>10,000
KR0151C	33 30 16	113 55 24	.50	.20	5.00	>2.00	100	N	N	N	20	200
KR0152C	33 30 26	113 53 48	.30	.20	5.00	>2.00	70	N	N	N	50	5,000
KR0152D	33 30 26	113 53 48	1.00	.50	5.00	>2.00	200	N	N	N	150	3,000
KR0153C	33 30 44	113 52 40	.50	.15	2.00	>2.00	100	N	N	N	70	10,000
KR0154C	33 30 3	113 46 17	.20	.50	2.00	.50	50	N	N	N	30	700
KR0155C	33 29 23	113 50 14	.50	.50	5.00	.20	50	N	N	N	20	2,000
KR0157C	33 29 16	113 51 47	.20	.20	7.00	1.50	50	N	N	N	30	3,000
KR0158C	33 28 48	113 52 50	.50	.50	5.00	1.50	70	N	N	N	30	7,000
KR0159C	33 29 28	113 54 24	.70	1.00	5.00	1.50	150	N	N	N	20	10,000
KR0161C	33 27 47	113 53 4	.50	.50	3.00	.70	100	N	N	N	30	>10,000
KR0162C	33 27 29	113 53 33	.30	.15	10.00	1.00	150	N	N	N	30	10,000
KR0163C	33 27 24	113 54 6	.70	.30	5.00	2.00	200	N	N	N	20	2,000

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFF REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Re-ppm S	Rl-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S
KR0115C	<2	100	N	<10	N	N	N	100	<50	10	700
KR0116C	2	100	N	N	N	<10	<50	500	N	<10	5,000
KR0117C	3	N	N	N	N	<10	N	500	N	<10	2,000
KR0118C	2	150	N	N	N	N	N	N	N	10	500
KR0119C	3	200	N	N	N	N	N	N	N	20	500
KR0120C	2	N	N	N	N	N	N	N	N	N	70
KR0121C	5	N	N	N	N	N	150	N	N	20	200
KR0122C	N	N	N	N	N	500	N	N	N	N	1,500
KR0123C	3	N	N	N	N	N	N	N	N	15	N
KR0124C	2	N	N	N	N	N	N	N	<50	15	50
KR0125C	2	N	N	N	N	N	N	N	N	20	50
KR0126C	2	N	N	N	N	<10	<50	N	50	10	50
KR0127C	2	N	N	15	20	<10	N	N	100	10	500
KR0128C	<2	N	N	N	N	<10	N	500	50	<10	1,500
KR0130C	3	N	N	N	N	200	<50	N	<50	10	1,000
KR0131C	<2	N	N	<10	N	10	N	300	50	<10	5,000
KR0132C	2	N	N	<10	N	N	100	N	N	20	200
KR0133C	3	N	N	N	N	N	N	N	<50	20	200
KR0134C	3	N	N	N	N	<10	N	N	<50	10	20
KR0135C	2	N	N	N	N	10	<50	70	N	30	3,000
KR0136C	2	N	N	10	<20	<10	<50	N	50	N	200
KR0137C	5	N	N	N	N	<10	<50	N	50	20	20
KR0138C	3	N	N	N	N	N	N	N	N	20	20
KR0140C	<2	N	N	N	N	N	N	N	<50	15	300
KR0142C	2	N	N	N	N	<10	200	N	50	15	<20
KR0143C	5	N	N	10	20	15	200	N	150	N	30
KR0144C	<2	N	N	15	50	<10	<50	N	200	N	20
KR0145C	2	N	N	N	N	N	N	N	N	30	300
KR0147C	3	N	N	N	N	N	N	200	N	30	2,000
KR0148C	2	N	N	N	N	N	<50	N	N	20	100
KR0149C	<2	N	N	<10	N	N	N	N	50	10	<20
KR0150C	2	N	N	<10	N	N	N	N	<50	15	N
KR0151C	N	N	N	<10	N	N	N	N	N	10	N
KR0152C	N	N	N	<10	N	N	N	N	50	N	100
KR0152D	2	N	N	10	20	N	100	N	70	10	20
KR0153C	2	N	N	<10	<20	N	200	N	50	N	N
KR0154C	N	N	N	<10	N	N	N	N	N	20	N
KR0155C	N	N	N	N	N	N	<50	N	N	<10	70
KR0157C	N	N	N	N	N	N	N	N	N	<10	200
KR0158C	2	N	N	N	50	N	N	N	N	15	100
KR0159C	N	N	N	<10	N	N	N	N	N	10	N
KR0161C	N	N	N	N	N	N	<50	N	N	N	500
KR0162C	<2	N	N	N	N	<10	200	N	N	<10	500
KR0163C	2	N	N	N	N	N	300	N	N	10	N

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sb-ppm s	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s
KR0115C	N	N	N	N	50	N	300	N	>2,000	N
KR0116C	N	N	N	N	30	N	700	5,000	>2,000	N
KR0117C	N	N	N	N	200	N	500	2,000	>2,000	N
KR0118C	N	N	N	N	150	500	1,000	N	>2,000	N
KR0119C	N	<10	N	N	50	100	700	N	>2,000	<200
KR0120C	N	N	N	1,500	50	N	300	N	>2,000	N
KR0121C	N	50	N	N	100	N	1,000	500	>2,000	200
KR0122C	N	N	N	3,000	20	N	100	N	>2,000	N
KR0123C	N	50	N	N	20	N	1,000	N	>2,000	N
KR0124C	N	N	200	N	70	N	500	N	>2,000	N
KR0125C	N	<10	100	500	70	N	700	N	>2,000	N
KR0126C	N	<10	<20	N	100	N	1,000	N	>2,000	N
KR0127C	N	<10	70	500	150	N	500	2,000	>2,000	N
KR0128C	N	15	70	500	200	200	500	N	>2,000	N
KR0130C	N	N	50	500	100	N	1,000	N	>2,000	N
KR0131C	N	N	30	N	100	500	500	N	>2,000	N
KR0132C	N	30	N	<200	70	200	1,000	N	>2,000	N
KR0133C	N	<10	200	N	100	N	1,000	N	>2,000	N
KR0134C	N	N	N	N	100	N	2,000	N	>2,000	N
KR0135C	N	30	70	700	70	500	700	500	>2,000	N
KR0136C	N	N	1,000	500	100	300	500	N	>2,000	N
KR0137C	N	20	N	500	70	N	1,500	N	>2,000	N
KR0138C	N	30	N	500	50	N	1,000	N	>2,000	N
KR0140C	N	<10	N	2,000	200	N	700	2,000	>2,000	N
KR0142C	N	20	N	1,000	100	N	1,000	N	>2,000	N
KR0142D	N	<10	30	1,500	200	N	500	N	>2,000	N
KR0143C	N	N	50	700	150	<100	200	N	>2,000	200
KR0144C	N	30	N	<200	100	N	1,000	N	>2,000	<200
KR0145C	N	<10	N	N	300	N	700	N	>2,000	N
KR0147C	N	30	N	1,000	30	N	700	N	>2,000	N
KR0148C	N	<10	N	<200	50	N	700	N	>2,000	N
KR0149C	N	N	100	5,000	70	N	300	N	>2,000	N
KR0150C	N	50	200	500	100	N	700	N	>2,000	N
KR0151C	N	<10	N	500	70	N	500	N	>2,000	N
KR0152C	500	N	N	700	100	N	300	N	>2,000	200
KR0152D	N	<10	<20	2,000	100	N	300	1,000	>2,000	N
KR0153C	N	<10	20	N	200	N	500	N	>2,000	N
KR0154C	N	N	<20	<200	30	N	150	N	>2,000	N
KR0155C	N	N	N	500	20	N	150	N	>2,000	N
KR0157C	N	N	N	5,000	50	N	200	N	>2,000	N
KR0158C	N	N	N	5,000	50	N	500	N	>2,000	N
KR0159C	N	N	N	1,000	70	N	150	N	>2,000	<200
KR0161C	N	N	N	2,000	20	N	200	N	>2,000	N
KR0162C	N	N	N	300	50	N	500	N	>2,000	N
KR0163C	N	20	200	N	100	N	1,500	N	>2,000	200

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR0164C	33 27 17	113 54 15	.20	.10	5.00	.15	70	N	N	N	20	3,000
KR0165C	33 26 36	113 55 14	.50	.20	2.00	.50	200	N	N	N	30	3,000
KR0166C	33 26 25	113 54 52	.20	.05	3.00	>2.00	100	N	N	N	50	3,000
KR0167C	33 25 36	113 53 20	.20	.10	3.00	1.00	100	N	N	N	20	>10,000
KR0168C	33 25 31	113 53 17	.50	.30	5.00	.50	300	N	N	N	30	>10,000
KR0169C	33 25 11	113 52 17	.30	.15	7.00	.50	200	N	N	N	30	10,000
KR0171C	33 25 1	113 52 13	.50	.10	3.00	1.00	150	N	N	N	20	>10,000
KR0172C	33 30 36	114 6 35	.15	.10	1.00	1.00	70	N	N	N	20	10,000
KR0173C	33 30 47	114 7 30	.10	.10	1.00	2.00	100	50	N	500	20	>10,000
KR0174C	33 29 54	114 8 44	.10	.07	1.00	.50	70	N	N	N	20	>10,000
KR0175C	33 28 49	114 6 39	.10	.05	2.00	1.00	70	N	N	N	20	>10,000
KR0176C	33 28 51	114 6 45	.20	.10	2.00	1.50	100	N	N	N	20	>10,000
KR0177C	33 29 29	114 7 55	.20	.20	3.00	1.00	200	N	N	N	20	>10,000
KR0179C	33 28 43	114 9 3	.30	.15	1.00	2.00	100	N	N	N	50	>10,000
KR0180C	33 29 1	114 9 12	.30	.10	5.00	.30	500	N	N	N	<20	3,000
KR0182C	33 27 30	114 7 22	.20	.10	1.00	2.00	50	N	N	N	30	1,500
KR0183C	33 27 52	114 5 42	.50	.20	2.00	2.00	150	N	N	N	30	>10,000
KR0184C	33 28 17	114 4 14	.30	.10	1.50	.07	70	N	N	N	30	1,500
KR0185C	33 28 28	114 3 56	.30	.20	2.00	1.50	100	N	N	N	20	2,000
KR0186C	33 29 42	114 4 47	.20	.15	10.00	>2.00	50	N	N	N	20	>10,000
KR0187C	33 30 23	114 5 53	.50	.10	3.00	.20	200	N	N	N	50	>10,000
KR0188C	33 30 20	114 5 40	.30	.10	3.00	2.00	200	N	N	N	20	10,000
KR0189C	33 25 50	114 7 28	.50	.07	1.00	.30	150	N	N	N	20	700
KR0190C	33 25 39	114 6 41	.20	.10	2.00	.15	100	N	N	N	20	5,000
KR0191C	33 27 14	113 51 14	.30	.10	5.00	2.00	150	N	N	N	20	2,000
KR0192C	33 27 6	113 51 14	.20	.10	3.00	.50	50	N	N	N	<20	>10,000
KR0195C	33 28 8	113 50 26	.70	.30	3.00	.70	100	N	N	N	30	3,000
KR0197C	33 27 31	113 49 13	.50	.30	3.00	.50	50	N	N	N	30	1,500
KR0198C	33 26 28	113 52 3	.50	.50	5.00	.20	500	N	N	N	<20	>10,000
KR0199C	33 26 39	113 47 11	.50	.70	7.00	1.00	150	N	N	N	50	3,000
KR0200C	33 26 30	113 53 28	.50	.30	3.00	1.50	70	10	N	N	50	>10,000
KR0201C	33 26 11	113 48 30	.30	.50	5.00	.70	100	N	N	N	50	10,000
KR0202C	33 25 47	113 49 40	.70	.70	5.00	2.00	150	N	N	N	20	3,000
KR0206C	33 24 23	113 49 19	.50	.50	2.00	.50	70	N	N	N	30	1,000
KR0207C	33 24 32	113 49 32	1.00	.70	3.00	2.00	200	N	N	N	30	2,000
KR0208C	33 24 51	113 49 36	.50	.50	5.00	.20	70	N	N	N	30	1,500
KR0209C	33 24 57	113 49 5	.70	1.50	10.00	1.00	150	N	N	N	20	500
KR0210C	33 22 51	113 52 51	1.00	1.00	5.00	2.00	200	N	N	N	20	200
KR0212C	33 24 5	113 53 27	.30	.20	5.00	.10	70	N	N	N	50	10,000
KR0214C	33 23 38	113 53 23	1.00	1.00	5.00	>2.00	200	N	N	N	50	2,000
KR0215C	33 23 19	113 52 9	.30	.20	20.00	.20	150	N	N	N	<20	>10,000
KR0216C	33 22 58	113 51 46	1.00	1.00	5.00	1.50	150	N	N	N	20	1,000
KR0217C	33 26 18	113 52 36	.20	.10	2.00	.50	70	N	N	N	20	>10,000
KR0218C	33 26 22	113 52 37	.50	.15	5.00	.50	150	N	N	N	20	>10,000
KR0220C	33 24 0	113 45 39	.15	.05	1.00	.20	70	N	N	N	<20	>10,000

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Pi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S
KR0164C	2	N	N	N	N	N	100	N	N	20	N
KR0165C	2	N	N	N	N	N	100	N	N	20	50
KR0166C	N	N	N	N	N	N	100	N	N	20	100
KR0167C	7	N	N	N	N	N	N	N	N	30	N
KR0168C	2	N	N	<10	<20	N	100	N	N	15	20
KR0169C	N	N	N	N	N	<10	200	N	N	10	100
KR0171C	N	N	N	N	N	N	N	N	N	N	N
KR0172C	2	N	N	N	N	N	N	N	N	30	N
KR0173C	2	N	N	N	N	N	<50	N	N	30	N
KR0174C	2	N	N	N	N	N	N	N	N	50	N
KR0175C	N	N	N	N	N	N	<50	N	N	20	N
KR0176C	<2	N	N	N	N	N	<50	N	N	20	30
KR0177C	N	N	N	N	N	N	<50	N	N	15	50
KR0179C	7	N	N	N	N	N	N	N	N	30	N
KR0180C	N	N	N	N	N	N	200	N	N	15	20
KR0182C	N	N	N	N	N	N	N	N	N	<10	N
KR0183C	3	N	N	N	N	N	N	N	N	15	70
KR0184C	5	N	N	N	N	N	N	N	N	15	200
KR0185C	3	N	N	N	N	N	N	N	N	15	200
KR0186C	N	N	N	N	N	N	N	N	50	N	500
KR0187C	N	N	N	N	N	N	150	N	N	20	200
KR0188C	N	N	N	N	N	N	150	N	N	20	20
KR0189C	3	N	N	N	N	N	200	N	N	20	N
KR0190C	3	N	N	N	N	N	<50	N	N	30	300
KR0191C	N	N	N	N	N	N	100	N	N	<10	N
KR0192C	<2	N	N	N	N	N	<50	N	N	20	200
KR0195C	N	N	N	<10	N	N	N	N	N	10	N
KR0197C	N	N	N	N	N	N	N	N	N	<10	N
KR0198C	N	N	N	N	20	N	100	N	N	N	N
KR0199C	N	N	N	<10	N	N	N	N	N	10	20
KR0200C	N	N	N	10	N	N	N	N	N	10	N
KR0201C	N	N	N	<10	N	N	N	N	N	10	N
KR0202C	<2	N	N	<10	N	N	<50	N	N	15	N
KR0206C	N	N	N	<10	N	N	N	N	N	10	50
KR0207C	7	N	N	N	20	N	<50	N	N	30	20
KR0208C	N	N	N	<10	N	N	N	N	N	<10	N
KR0209C	N	N	N	<10	N	N	<50	N	N	10	N
KR0210C	2	N	N	<10	20	N	N	N	N	15	N
KR0212C	2	N	N	N	N	N	N	N	N	<10	30
KR0214C	<2	N	N	10	10	<10	100	N	<50	20	200
KR0215C	N	N	N	N	N	N	150	N	N	N	20
KR0216C	N	N	N	10	<20	N	N	N	N	10	N
KR0217C	<2	N	N	N	<20	N	100	N	N	20	30
KR0218C	N	N	N	N	<20	N	200	N	N	<10	<20
KR0220C	N	N	N	N	N	N	N	N	N	<10	100

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S
KR0164C	N	N	N	N	20	N	1,000	N	>2,000	N
KR0165C	N	N	N	N	50	N	500	N	>2,000	N
KR0166C	N	150	N	N	150	N	1,000	N	>2,000	<200
KR0167C	N	50	N	500	50	N	1,000	N	>2,000	N
KR0168C	N	20	N	1,000	50	500	500	N	>2,000	N
KR0169C	N	N	N	500	30	N	700	N	>2,000	N
KR0171C	N	N	N	7,000	50	N	100	N	>2,000	N
KR0172C	N	20	N	N	30	N	700	N	>2,000	200
KR0173C	N	50	N	500	50	N	1,000	N	>2,000	200
KR0174C	N	30	N	500	50	N	1,000	N	>2,000	1,000
KR0175C	N	<10	N	500	20	N	700	N	>2,000	N
KR0176C	N	<10	N	2,000	50	N	500	N	>2,000	200
KR0177C	N	N	N	1,000	50	N	500	N	>2,000	<200
KR0179C	N	70	N	1,000	100	N	1,000	N	>2,000	200
KR0180C	N	N	N	N	30	N	700	N	>2,000	N
KR0182C	N	20	N	N	100	N	500	1,500	>2,000	N
KR0183C	N	N	N	500	50	N	500	N	>2,000	N
KR0184C	N	<10	N	<200	70	N	500	N	>2,000	N
KR0185C	N	<10	<20	1,000	70	N	500	N	>2,000	N
KR0186C	N	<10	N	5,000	70	N	500	N	>2,000	N
KR0187C	N	<10	N	700	50	N	700	N	>2,000	N
KR0188C	N	30	N	N	50	N	500	N	>2,000	N
KR0189C	N	50	N	N	50	N	1,500	N	>2,000	N
KR0190C	N	20	200	<200	50	N	500	N	>2,000	N
KR0191C	N	20	N	1,000	20	N	500	N	>2,000	N
KR0192C	N	30	N	1,500	70	N	500	N	>2,000	N
KR0195C	N	N	N	500	50	N	200	N	>2,000	N
KR0197C	N	N	N	500	20	N	150	N	>2,000	N
KR0198C	N	N	N	3,000	20	N	150	N	>2,000	N
KR0199C	N	N	N	1,000	20	N	150	N	>2,000	N
KR0200C	N	<10	N	>10,000	50	N	300	N	>2,000	500
KR0201C	N	N	N	2,000	20	N	200	N	>2,000	N
KR0202C	N	N	N	1,000	50	N	300	N	>2,000	N
KR0206C	N	N	N	500	20	N	150	N	>2,000	N
KR0207C	N	50	N	500	70	N	700	N	>2,000	N
KR0208C	N	N	N	1,000	<20	N	100	N	>2,000	N
KR0209C	N	N	N	2,000	30	N	100	N	>2,000	N
KR0210C	N	N	N	500	70	N	200	N	>2,000	N
KR0212C	N	N	N	500	20	N	200	N	>2,000	N
KR0214C	N	N	N	700	100	N	500	N	>2,000	N
KR0215C	N	N	N	1,000	30	N	200	N	>2,000	N
KR0216C	N	N	50	500	50	N	150	N	>2,000	N
KR0217C	N	20	N	300	50	N	700	N	>2,000	<200
KR0218C	N	N	N	2,000	30	N	200	N	>2,000	N
KR0220C	N	N	N	10,000	20	N	20	N	>2,000	N

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR0221C	33 23 54	113 45 52	.30	.07	1.00	.30	2,000	15	N	N	20	>10,000
KR0223C	33 24 20	113 47 44	.50	.50	5.00	.70	70	N	N	N	70	10,000
KR0224C	33 24 17	113 47 37	.50	.70	5.00	.70	100	N	N	N	30	2,000
KR0226C	33 21 34	113 45 32	.10	.05	.50	.10	100	N	500	N	20	>10,000
KR0227C	33 21 33	113 45 53	1.00	.10	2.00	.70	300	20	N	N	20	>10,000
KR0228C	33 22 17	113 46 53	.50	.50	10.00	.70	70	N	N	N	20	2,000
KR0231C	33 22 36	113 48 55	.30	.50	10.00	.10	50	N	N	N	30	10,000
KR0234C	33 24 47	113 55 17	.50	.70	10.00	.50	100	N	N	N	30	700
KR0235C	33 25 21	113 55 56	.70	.15	.20	1.50	150	N	N	N	20	700
KR0236C	33 25 16	113 55 57	.20	.20	2.00	1.00	70	N	N	N	50	1,000
KR0238C	33 27 18	113 57 1	.20	.10	5.00	.20	150	N	N	N	<20	2,000
KR0239C	33 27 18	113 56 55	.30	.15	2.00	.70	100	N	N	N	<20	3,000
KR0240C	33 27 35	113 57 33	.30	.10	7.00	.20	300	N	N	N	<20	1,000
KR0241C	33 27 49	113 58 15	.20	.10	10.00	.30	500	N	N	N	20	500
KR0242C	33 26 17	113 58 17	.50	.30	3.00	.50	150	N	N	N	30	700
KR0243C	33 25 34	113 58 53	.50	.20	1.50	.50	150	N	N	N	30	1,500
KR0244C	33 25 36	113 59 3	.70	.15	3.00	.50	200	N	N	N	30	10,000
KR0245C	33 28 26	114 1 21	.30	.20	1.00	1.00	100	N	N	N	20	3,000
KR0246C	33 28 18	114 0 47	.20	.10	2.00	2.00	100	N	N	N	50	2,000
KR0247C	33 26 47	114 0 47	.20	.07	2.00	.05	200	N	N	N	20	1,000
KR0248C	33 26 49	114 0 36	.30	.10	10.00	1.00	300	N	N	N	20	3,000
KR0249C	33 25 23	114 1 0	.20	.10	2.00	.10	100	N	N	N	20	>10,000
KR0250C	33 25 17	114 1 14	.50	.50	3.00	1.00	150	N	N	N	20	10,000
KR0251C	33 22 54	114 1 14	1.00	.15	2.00	1.00	1,000	N	N	N	50	>10,000
KR0252C	33 22 45	114 1 13	.20	.10	1.00	.30	100	N	N	N	20	>10,000
KR0253C	33 24 11	114 0 59	.10	.05	.50	.07	50	N	N	N	20	>10,000
KR0254C	33 23 17	114 0 16	.20	.15	5.00	.50	300	N	N	N	50	>10,000
KR0255C	33 23 59	114 2 14	.50	.20	2.00	.30	200	N	N	N	30	>10,000
KR0257C	33 23 56	114 2 23	.15	.07	1.00	.70	100	N	N	N	50	10,000
KR0258C	33 24 31	114 2 34	.20	.05	.50	.15	150	N	N	N	30	2,000
KR0259C	33 25 24	114 3 51	.20	.10	.50	.15	70	N	N	N	20	500
KR0260C	33 25 54	114 4 29	.20	.10	.50	1.00	70	N	N	N	20	10,000
KR0261C	33 25 29	114 5 28	.10	.10	.50	.05	50	N	N	N	20	1,000
KR0262C	33 25 21	114 5 39	.50	.50	1.50	2.00	200	N	N	N	100	3,000
KR0264C	33 22 49	114 6 12	.30	.20	1.00	.50	200	N	1,500	N	N	3,000
KR263C	32 59 27	114 10 7	.10	.05	1.50	.07	50	N	N	N	N	>10,000
KR265C	33 25 45	114 7 12	.20	.10	1.00	1.00	200	N	N	N	N	1,500
KR266C	33 23 33	114 4 33	2.00	.50	2.00	>2.00	700	N	N	N	70	2,000
KR267C	33 23 47	114 4 43	.70	.20	1.00	.10	150	N	N	N	30	3,000
KR268C	33 21 36	114 2 25	1.00	.20	5.00	>2.00	500	N	N	N	20	>10,000
KR269C	33 21 48	114 2 40	.70	.20	1.00	.70	200	N	N	N	70	10,000
KR270C	33 22 40	114 4 28	1.00	.50	3.00	>2.00	1,000	N	N	N	100	7,000
KR271C	33 21 35	114 6 15	.70	.20	1.00	.50	200	N	N	N	30	7,000
KR272C	33 20 30	114 5 6	.50	.07	.50	.50	200	N	N	N	50	5,000
KR273C	33 20 13	114 3 26	.30	.10	5.00	.10	150	N	N	N	<20	500

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S
KR0221C	N	N	N	N	N	10	N	N	N	N	200
KR0223C	N	N	N	<10	N	N	N	N	N	<10	20
KR0224C	N	N	N	<10	N	N	N	N	N	10	<20
KR0226C	N	N	N	N	N	100	N	N	N	N	5,000
KR0227C	2	N	N	N	N	<10	N	N	N	<10	1,000
KR0228C	N	N	N	N	N	N	N	N	N	<10	70
KR0231C	N	N	N	<10	N	N	N	N	N	<10	100
KR0234C	N	50	N	N	N	N	N	N	N	<10	10,000
KR0235C	5	N	N	N	N	N	N	N	N	30	N
KR0236C	3	N	N	N	N	N	N	N	N	20	70
KR0238C	N	N	N	N	N	N	700	N	N	20	<20
KR0239C	3	N	N	N	N	N	<50	N	N	20	N
KR0240C	N	N	N	<10	N	N	1,000	N	N	N	N
KR0241C	N	N	N	N	N	N	1,000	N	N	<10	N
KR0242C	N	N	N	<10	N	N	150	N	N	<10	50
KR0243C	5	N	N	N	N	N	<50	N	N	15	70
KR0244C	2	N	N	N	N	N	100	N	N	20	<20
KR0245C	2	N	N	N	N	N	N	N	N	15	<20
KR0246C	3	N	N	N	N	N	<50	N	N	30	200
KR0247C	N	N	N	N	N	N	200	N	N	20	1,000
KR0248C	N	N	N	N	N	N	1,500	N	N	20	30
KR0249C	7	N	N	N	N	N	100	N	N	10	100
KR0250C	2	N	N	N	N	N	<50	N	N	100	100
KR0251C	7	N	N	<10	N	N	<50	N	N	20	<20
KR0252C	3	N	N	N	N	N	N	N	N	15	200
KR0253C	5	N	N	N	N	N	<50	N	N	20	N
KR0254C	7	N	N	N	N	N	700	N	N	10	N
KR0256C	3	N	N	<10	N	N	100	N	N	N	N
KR0257C	10	N	N	N	N	N	N	N	N	30	70
KR0258C	5	N	N	N	N	N	100	N	N	50	N
KR0259C	3	N	N	N	N	N	N	N	N	20	N
KR0260C	10	N	N	N	N	N	<50	N	N	20	70
KR0261C	10	N	N	N	N	N	100	N	N	30	N
KR0262C	5	N	N	N	N	N	150	N	N	15	20
KR0264C	10	N	N	N	N	N	<50	N	N	50	N
KR263C	N	N	N	N	N	N	N	N	N	N	<20
KR265C	2	N	N	N	N	N	200	N	N	15	N
KR266C	10	N	N	<10	100	<10	1,000	N	<50	30	20
KR267C	5	N	N	<10	<20	<10	N	N	N	15	20
KR268C	5	N	N	N	<20	<10	200	N	N	20	20
KR269C	10	N	N	N	N	<10	100	N	N	30	150
KR270C	5	N	N	N	N	N	300	N	<50	30	<20
KR271C	10	N	N	N	N	<10	100	N	N	50	300
KR272C	20	N	N	N	N	N	300	N	N	50	N
KR273C	10	N	N	N	N	N	100	N	N	15	200

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S
KR0221C	N	N	N	5,000	70	N	N	2,000	>2,000	N
KR0223C	N	N	N	500	30	N	100	N	>2,000	N
KR0224C	N	N	N	500	20	N	100	N	>2,000	N
KR0226C	N	N	N	10,000	500	N	70	5,000	>2,000	N
KR0227C	N	N	N	1,000	500	N	300	7,000	>2,000	N
KR0228C	N	N	N	2,000	30	N	200	N	>2,000	N
KR0231C	N	N	N	1,500	<20	N	70	N	>2,000	N
KR0234C	N	N	N	1,000	20	N	100	N	>2,000	N
KR0235C	N	50	N	N	100	N	1,500	N	>2,000	1,000
KR0236C	N	N	N	500	50	N	500	N	>2,000	N
KR0238C	N	<10	N	N	50	N	700	N	>2,000	200
KR0239C	N	<10	N	N	30	N	1,000	N	>2,000	<200
KR0240C	N	N	N	N	30	N	500	N	>2,000	N
KR0241C	N	N	N	<200	100	N	700	N	>2,000	700
KR0242C	N	N	N	<200	30	N	200	N	>2,000	<200
KR0243C	N	N	300	500	30	N	500	N	>2,000	N
KR0244C	N	N	N	500	30	N	300	N	>2,000	N
KR0245C	N	<10	N	N	30	N	1,000	N	>2,000	N
KR0246C	N	20	100	500	50	N	1,000	N	>2,000	N
KR0247C	N	N	N	<200	300	N	700	N	>2,000	200
KR0248C	N	N	N	<200	70	N	1,000	N	>2,000	300
KR0249C	N	N	N	700	30	N	500	N	>2,000	N
KR0250C	N	N	N	1,000	50	N	150	N	>2,000	N
KR0251C	N	20	N	<200	70	N	700	N	>2,000	<200
KR0252C	N	N	N	1,500	30	N	700	N	>2,000	N
KR0253C	N	30	N	300	30	N	700	N	>2,000	N
KR0254C	N	N	N	<200	70	N	1,500	N	>2,000	N
KR0256C	N	N	N	700	<20	N	300	N	>2,000	N
KR0257C	N	20	N	N	50	N	1,000	N	>2,000	N
KR0258C	N	<10	N	N	50	N	1,000	N	>2,000	N
KR0259C	N	<10	N	N	30	N	700	N	>2,000	N
KR0260C	N	50	N	500	100	N	1,000	N	>2,000	N
KR0261C	N	<10	50	N	50	N	700	N	>2,000	N
KR0262C	N	N	N	500	70	N	500	N	>2,000	N
KR0264C	N	70	N	500	70	N	1,500	N	>2,000	N
KR263C	N	N	N	>10,000	<20	N	N	N	300	N
KR265C	N	70	N	N	50	N	1,000	N	>2,000	N
KR266C	N	70	20	500	200	N	1,000	N	>2,000	300
KR267C	N	N	30	500	30	N	500	N	>2,000	N
KR268C	N	50	N	500	100	N	1,000	N	>2,000	<200
KR269C	N	50	N	N	70	N	1,000	N	>2,000	N
KR270C	N	50	30	500	100	N	1,000	N	>2,000	N
KR271C	N	20	N	N	50	N	1,000	N	>2,000	N
KR272C	N	<10	N	<200	100	N	2,000	N	>2,000	300
KR273C	N	30	100	<200	100	N	1,000	N	>2,000	N

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR274C	33 18 45	114 1 50	.50	.10	1.00	1.00	150	N	N	N	20	3,000
KR275C	33 18 12	114 0 13	.30	.15	1.00	.50	70	N	N	N	50	3,000
KR276C	33 21 27	114 0 10	.20	.10	.50	.07	50	N	N	N	<20	500
KR277C	33 21 13	114 8 43	.50	.30	1.00	>2.00	150	N	N	N	50	1,000
KR278C	33 19 25	114 9 0	1.50	.50	5.00	>2.00	1,000	N	N	N	50	10,000
KR279C	33 17 7	114 7 52	.70	.70	5.00	.20	500	N	N	N	<20	2,000
KR280C	33 18 4	114 9 40	.50	.20	.70	2.00	200	N	N	N	<20	5,000
KR281C	33 18 12	114 10 42	1.50	1.50	1.00	>2.00	1,000	N	<500	N	20	5,000
KR282C	33 17 45	114 12 0	.70	.20	2.00	2.00	100	N	N	N	50	5,000
KR283C	33 16 32	114 12 42	.50	.20	2.00	>2.00	150	N	N	N	20	10,000
KR284C	33 15 15	114 12 52	.50	.15	1.50	.70	300	N	N	N	30	10,000
KR285C	33 15 5	114 10 43	.70	.15	1.00	2.00	500	N	N	N	N	3,000
KR286C	33 15 23	114 9 42	.50	.15	.50	.50	100	N	N	N	30	10,000
KR287C	33 15 36	114 9 24	.70	.20	7.00	2.00	500	N	N	N	50	3,000
KR288C	33 17 30	114 5 49	.50	.50	2.00	>2.00	200	N	N	N	50	10,000
KR289C	33 18 44	114 3 1	.50	.20	1.00	.50	200	N	N	N	20	700
KR290C	33 21 5	114 2 0	.30	.15	1.00	.10	200	N	N	N	N	3,000
KR291C	33 19 50	114 7 47	.50	.30	1.00	>2.00	500	N	N	N	30	10,000
KR292C	33 23 45	113 59 0	7.00	.70	3.00	.50	500	3	700	N	20	1,000
KR294C	33 23 23	113 58 19	2.00	.30	2.00	2.00	700	N	N	N	<20	2,000
KR295C	33 23 28	113 57 12	.30	.20	2.00	.20	200	N	N	N	<20	>10,000
KR297C	33 22 16	113 58 56	.50	.50	1.00	1.00	200	N	N	N	<20	5,000
KR299C	33 20 33	113 55 56	.50	.30	3.00	.15	150	N	N	N	30	3,000
KR301C	33 20 19	113 55 52	.50	.20	1.00	.20	100	N	N	N	50	300
KR302C	33 21 25	113 54 17	.30	.10	2.00	.20	150	N	N	N	<20	1,500
KR303C	33 21 24	113 52 5	.30	.20	2.00	.50	200	N	N	N	20	2,000
KR304C	33 20 18	113 51 37	.30	.30	1.00	.15	200	N	N	N	20	>10,000
KR305C	33 19 28	113 53 13	1.00	1.00	2.00	1.50	500	N	N	N	<20	7,000
KR306C	33 19 27	113 53 20	.20	.10	.50	.50	200	N	N	N	20	2,000
KR307C	33 18 27	113 52 52	.70	.30	1.00	.50	500	N	N	N	30	5,000
KR308C	33 18 32	113 54 42	.50	1.00	2.00	2.00	300	N	N	N	50	1,500
KR309C	33 19 0	113 56 13	.70	.20	10.00	.50	200	N	N	N	20	3,000
KR310C	32 59 33	114 9 34	.50	.20	1.00	2.00	150	N	N	N	70	1,500
KR311C	32 59 13	114 8 22	.30	.20	3.00	1.50	300	N	N	N	50	1,000
KR312C	32 58 39	114 7 4	.70	.15	2.00	1.00	200	N	N	N	<20	1,000
KR313C	32 57 1	114 7 36	.50	.50	7.00	>2.00	300	N	N	N	50	2,000
KR314C	32 56 45	114 6 45	.50	.15	2.00	1.50	150	N	N	N	50	500
KR315C	33 0 47	114 4 57	.50	.20	2.00	>2.00	300	N	<500	N	100	2,000
KR316C	33 1 17	114 5 2	.50	.15	5.00	1.00	200	100	N	N	70	1,500
KR317C	32 59 52	114 4 7	.50	.20	2.00	2.00	500	N	1,500	N	150	5,000
KR318C	32 56 58	114 3 7	.70	.15	3.00	1.50	200	N	<500	N	30	5,000
KR319C	32 57 13	114 2 35	.50	.10	7.00	>2.00	500	N	N	N	<20	>10,000
KR320C	32 56 51	113 59 53	.50	.15	1.00	>2.00	500	N	N	N	20	1,000
KR321C	32 56 43	113 56 50	1.00	.30	5.00	>2.00	300	N	N	N	150	3,000
KR322C	32 58 10	113 57 27	.50	.10	10.00	2.00	700	N	N	N	<20	2,000

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S
KR274C	7	50	N	N	N	<10	100	N	N	30	20
KR275C	10	N	N	N	N	N	N	N	N	30	100
KR275C	10	N	N	10	N	N	50	N	N	N	200
KR277C	5	N	N	N	<20	N	150	N	N	15	20
KR278C	3	N	N	N	20	N	500	N	<50	15	20
KR279C	N	N	N	<10	20	N	150	N	N	10	20
KR280C	7	N	N	N	N	<10	100	N	N	30	50
KR281C	7	N	N	15	150	20	300	N	N	50	1,000
KR282C	7	1,000	N	N	N	N	<50	N	N	20	70
KR283C	5	N	N	N	N	N	100	N	N	30	30
KR284C	3	N	N	N	N	N	100	N	N	15	200
KR285C	20	N	N	N	N	N	<50	N	N	50	50
KR286C	7	N	N	N	N	<10	N	N	N	30	1,000
KR287C	10	N	N	N	N	10	200	N	N	30	30
KR288C	5	N	N	N	N	N	150	N	<50	20	N
KR289C	10	N	N	N	N	N	100	N	N	20	20
KR290C	20	N	N	N	N	N	<50	N	N	50	200
KR291C	10	N	N	N	N	N	100	N	N	20	300
KR292C	2	N	N	15	20	30	N	N	N	30	50
KR294C	3	N	N	10	20	N	<50	N	N	20	150
KR295C	5	N	N	N	N	N	100	N	N	20	300
KR297C	5	N	N	10	<20	N	N	N	N	<10	30
KR299C	2	N	N	10	<20	N	N	N	N	10	N
KR301C	4	N	N	10	N	N	N	N	N	<10	N
KR302C	7	N	N	N	20	N	N	N	N	10	20
KR303C	7	N	N	N	N	N	N	N	N	20	50
KR304C	3	N	N	N	300	<10	100	100	N	30	700
KR305C	5	N	N	N	200	N	100	N	N	30	70
KR306C	7	N	N	N	N	N	<50	N	N	30	500
KR307C	7	N	N	N	20	N	100	N	N	30	300
KR308C	5	N	N	N	50	N	500	N	N	20	N
KR309C	3	N	N	N	N	N	500	N	N	20	20
KR310C	<2	N	N	10	N	<10	150	N	<50	50	100
KR311C	2	N	N	N	N	<10	200	N	N	20	70
KR312C	2	N	N	N	N	N	100	N	N	10	70
KR313C	<2	N	N	10	N	N	300	N	<50	15	20
KR314C	3	N	N	N	N	N	100	N	N	10	200
KR315C	3	N	N	N	N	N	200	N	<50	30	100
KR316C	N	N	N	N	N	500	100	N	N	20	70
KR317C	3	N	N	N	N	N	100	N	<50	30	200
KR318C	<2	N	N	10	N	N	100	N	N	10	150
KR319C	3	N	N	N	N	N	200	N	100	20	70
KR320C	7	N	N	<10	N	N	300	N	50	30	70
KR321C	3	N	N	N	<20	N	150	N	100	20	N
KR322C	N	N	N	N	20	N	500	N	N	10	100

TABIF 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S
KR274C	N	70	N	<200	70	N	1,000	N	>2,000	<200
KR275C	N	30	50	N	50	N	1,000	N	>2,000	N
KR276C	N	70	N	200	100	N	700	N	>2,000	N
KR277C	N	70	70	200	70	N	700	N	>2,000	200
KR278C	N	30	N	1,000	100	N	700	N	>2,000	N
KR279C	N	N	N	1,000	20	N	70	N	>2,000	N
KR280C	N	70	70	200	100	N	1,000	N	>2,000	<200
KR281C	N	70	150	500	200	N	700	1,000	>2,000	<200
KR282C	N	20	50	N	70	N	500	N	>2,000	N
KR283C	N	50	N	500	70	N	1,000	N	>2,000	N
KR284C	N	50	N	500	70	N	1,000	N	>2,000	N
KR285C	N	50	N	500	100	N	1,000	N	>2,000	<200
KR286C	N	20	N	500	150	N	700	N	>2,000	N
KR287C	N	70	N	200	100	N	1,000	N	>2,000	N
KR288C	N	100	200	500	200	N	1,000	N	>2,000	N
KR289C	N	50	200	200	30	N	1,000	N	>2,000	<200
KR290C	N	20	100	500	100	N	1,000	N	>2,000	N
KR291C	N	30	N	1,000	70	N	500	N	>2,000	N
KR292C	N	N	N	1,500	150	N	100	N	>2,000	N
KR294C	N	20	N	700	150	N	300	N	>2,000	N
KR295C	N	20	70	500	20	N	700	N	>2,000	N
KR297C	N	10	N	200	50	N	300	N	>2,000	N
KR299C	N	N	N	1,000	20	N	200	N	>2,000	N
KR301C	N	N	N	300	20	N	150	N	>2,000	N
KR302C	N	N	30	500	50	N	700	N	>2,000	N
KR303C	N	N	N	700	50	N	500	N	>2,000	N
KR304C	N	50	200	7,000	150	N	1,000	N	>2,000	<200
KR305C	N	30	N	500	200	N	500	1,000	>2,000	<200
KR306C	N	30	200	200	700	N	1,000	N	>2,000	<200
KR307C	N	50	N	N	150	N	1,000	N	>2,000	N
KR308C	N	50	50	300	100	N	700	N	>2,000	<200
KR309C	N	N	N	N	50	N	1,000	N	>2,000	N
KR310C	N	100	N	N	150	N	1,000	N	>2,000	700
KR311C	N	50	N	200	150	N	1,000	N	>2,000	700
KR312C	N	<10	N	200	100	N	700	N	>2,000	200
KR313C	N	70	N	<200	150	N	700	N	>2,000	N
KR314C	N	30	N	N	100	N	700	N	>2,000	N
KR315C	N	70	N	200	200	N	1,000	N	>2,000	1,000
KR316C	N	30	70	<200	70	N	500	N	>2,000	<200
KR317C	N	70	N	500	150	N	700	N	>2,000	<200
KR318C	N	30	N	N	70	N	500	N	>2,000	300
KR319C	N	50	N	700	200	N	700	N	>2,000	700
KR320C	N	<10	100	200	300	N	1,000	N	>2,000	2,000
KR321C	N	30	N	700	200	N	700	N	>2,000	N
KR322C	N	30	N	200	70	N	1,000	N	>2,000	N

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	R-ppm S	Ba-ppm S
KR323C	32 59 5	113 57 18	.20	.15	2.00	>2.00	200	N	N	N	20	1,500
KR324C	32 59 54	113 58 48	.50	.15	2.00	1.50	200	N	500	300	50	10,000
KR325C	33 0 10	113 58 50	1.50	.50	5.00	2.00	2,000	N	3,000	N	20	10,000
KR326C	33 0 15	113 57 33	.50	.10	2.00	1.00	300	N	3,000	N	30	>10,000
KR328C	33 1 38	113 58 28	.30	.15	3.00	2.00	200	N	<500	N	20	10,000
KR329C	33 2 5	113 57 16	1.00	.70	2.00	>2.00	300	N	N	N	<20	10,000
KR330C	33 2 46	113 57 35	1.00	.50	5.00	2.00	300	N	N	N	30	>10,000
KR331C	33 2 29	114 1 3	1.00	.50	3.00	>2.00	500	2,000	N	N	<20	5,000
KR332C	33 2 17	114 1 4	.30	.10	7.00	1.00	300	N	N	N	30	>10,000
KR333C	33 2 11	114 0 35	1.00	.50	3.00	.30	700	N	N	N	20	>10,000
KR334C	33 4 22	113 46 31	.20	.10	2.00	1.00	100	N	N	N	N	>10,000
KR335C	33 3 1	113 47 2	.10	.05	3.00	.50	50	N	N	N	N	>10,000
KR336C	33 2 48	113 48 6	1.50	.30	20.00	1.00	1,500	N	N	N	<20	>10,000
KR337C	33 4 7	113 47 49	.20	.20	15.00	.50	100	N	N	N	N	>10,000
KR338C	33 6 37	113 45 43	.30	.10	5.00	.05	200	N	N	N	<20	5,000
KR339C	33 8 0	113 45 30	.70	.30	1.00	1.50	300	N	N	N	30	2,000
KR340C	33 7 48	113 46 33	1.00	.50	2.00	1.00	200	N	N	N	100	3,000
KR341C	33 7 41	113 47 45	.70	.05	1.00	.20	100	N	N	N	<20	700
KR343C	33 9 0	113 48 3	.50	.10	.50	.70	100	N	N	N	50	700
KR344C	33 9 51	113 49 51	.50	.20	3.00	2.00	200	N	N	N	50	>10,000
KR345C	33 11 24	113 48 47	7.00	1.00	10.00	>2.00	1,500	N	N	N	20	3,000
KR346C	33 11 55	113 49 51	.50	.15	2.00	1.00	700	N	N	N	<20	10,000
KR347C	33 11 35	113 50 14	.20	.10	1.00	2.00	150	N	N	N	<20	3,000
KR348C	33 12 13	113 46 4	.70	.50	2.00	>2.00	500	N	N	N	150	>10,000
KR349C	33 12 23	113 47 24	1.00	.20	2.00	>2.00	500	N	N	N	50	>10,000
KR350C	33 12 35	113 47 44	1.00	1.00	2.00	2.00	200	N	N	N	50	>10,000
KR351C	33 13 1	113 47 2	1.00	.20	.20	1.00	200	N	N	N	20	2,000
KR352C	33 17 10	113 56 12	1.00	.20	1.50	>2.00	700	N	N	N	30	>10,000
KR353C	33 13 50	113 56 0	1.50	.50	5.00	2.00	500	N	N	N	50	>10,000
KR354C	33 14 18	113 55 10	.10	<.05	.70	.20	50	N	N	N	<20	>10,000
KR355C	33 12 47	113 49 59	1.00	.30	10.00	2.00	1,000	N	N	N	20	>10,000
KR356C	33 13 46	113 53 57	.10	.05	1.00	.50	50	N	N	N	N	>10,000
KR357C	33 12 40	113 51 25	.20	.10	.50	.20	50	N	N	N	20	3,000
KR358C	33 13 49	113 51 26	3.00	.05	1.00	>2.00	70	1,500	<500	>1,000	<20	>10,000
KR360C	33 14 13	113 50 13	.70	.50	.50	2.00	200	N	N	N	20	1,500
KR362C	33 9 12	113 49 30	1.50	.30	5.00	1.00	2,000	N	N	N	30	2,000
KR363C	33 8 13	113 48 59	.70	.30	3.00	1.50	150	N	N	N	50	>10,000
KR365C	33 10 0	113 47 47	1.50	.70	5.00	>2.00	1,000	N	N	N	50	1,500
KR367C	33 10 45	113 45 33	2.00	1.00	1.50	>2.00	1,000	N	N	N	30	1,000
KR369C	33 16 9	113 58 47	1.00	.20	1.50	>2.00	300	N	N	N	20	10,000
KR370C	33 15 57	113 58 53	.20	.10	1.00	2.00	200	N	N	N	20	>10,000
KR371C	33 15 56	113 58 44	1.00	.50	2.00	.50	300	N	N	N	30	>10,000
KR373C	33 17 13	113 53 7	.50	.50	2.00	2.00	500	N	N	N	<20	2,000
KR374C	33 16 39	113 52 12	.50	.15	.70	1.50	200	N	700	N	<20	5,000
KR375C	33 16 46	113 52 3	1.00	.30	2.00	2.00	700	N	<500	N	N	3,000

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-dpm S	Ri-dpm S	Cd-dpm S	Co-dpm S	Cr-dpm S	Cu-dpm S	La-dpm S	Mo-dpm S	Nb-dpm S	Ni-dpm S	Pb-dpm S
KR323C	5	N	N	N	<20	N	100	N	N	30	100
KR324C	3	N	N	N	N	<10	100	N	N	30	100
KR325C	3	N	N	N	30	<10	300	N	100	30	300
KR326C	3	N	N	N	N	N	N	N	<50	20	100
KR328C	2	N	N	N	N	N	N	N	<50	15	<20
KR329C	7	N	N	N	N	N	<50	N	N	20	100
KR330C	2	N	N	N	<20	300	<50	N	N	20	100
KR331C	3	N	N	N	N	30	100	N	<50	20	20,000
KR332C	N	20	N	<10	N	N	<50	N	N	15	300
KR333C	2	N	N	N	150	<10	N	N	N	30	70
KR334C	N	N	N	N	20	<10	N	N	N	<10	200
KR335C	N	N	N	N	N	N	N	<10	N	10	50
KR336C	N	N	N	N	50	10	100	N	N	10	5,000
KR337C	N	N	N	N	<20	20	N	N	N	N	300
KR338C	15	N	N	N	N	N	<50	N	N	30	N
KR339C	7	N	N	N	20	N	<50	N	N	30	200
KR340C	20	N	N	N	50	N	100	N	N	50	N
KR341C	20	N	N	N	N	N	100	N	N	30	N
KR343C	10	N	N	N	N	N	N	N	N	20	20
KR344C	10	N	N	N	20	N	100	N	<50	30	N
KR345C	2	N	N	15	100	N	1,000	N	50	50	20
KR346C	3	N	N	N	<20	N	<50	N	N	10	<20
KR347C	7	N	N	N	N	<10	100	N	N	30	50
KR348C	5	N	N	N	<20	N	150	N	50	30	<20
KR349C	<2	N	N	10	<20	200	N	N	100	15	500
KR350C	N	N	N	<10	N	N	N	N	N	20	300
KR351C	5	N	N	10	N	N	50	N	50	20	N
KR352C	7	N	N	N	N	N	300	N	N	30	200
KR353C	<2	N	N	10	<20	N	<50	N	<50	15	300
KR354C	N	N	N	N	20	10	N	100	N	N	500
KR355C	<2	N	N	10	50	20	500	N	50	30	70
KR356C	N	N	N	N	N	N	N	N	N	<10	200
KR357C	2	N	N	N	N	<10	100	N	N	30	200
KR358C	<2	N	N	500	N	20	<50	N	N	500	200
KR360C	15	N	N	10	100	<10	150	N	N	30	N
KR362C	20	N	N	N	<20	<10	N	N	N	30	50
KR363C	10	N	N	N	N	N	<50	N	N	30	500
KR365C	3	N	N	<10	20	<10	150	N	70	20	<20
KR367C	7	N	N	15	70	50	100	N	N	50	200
KR369C	5	N	N	N	20	<10	100	N	N	20	100
KR370C	5	N	N	N	N	N	<50	N	N	30	500
KR371C	3	N	N	N	N	N	<50	N	N	30	<20
KR373C	10	N	N	N	<20	N	300	N	N	50	N
KR374C	3	N	N	N	N	N	100	N	N	20	N
KR375C	15	N	N	15	<20	N	200	N	N	50	N

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S
KR323C	N	100	50	200	100	N	1,500	N	>2,000	200
KR324C	N	50	N	<200	50	N	1,000	N	>2,000	N
KR325C	N	20	30	500	100	N	1,000	N	>2,000	N
KR326C	N	20	N	1,000	50	N	300	N	>2,000	N
KR328C	N	20	100	500	50	150	200	N	>2,000	N
KR329C	N	70	N	500	150	N	1,000	N	>2,000	N
KR330C	N	<10	1,000	1,000	70	N	500	N	>2,000	N
KR331C	300	50	N	300	100	N	1,000	N	>2,000	<200
KR332C	N	N	N	1,500	50	200	500	N	>2,000	N
KR333C	N	N	50	5,000	70	N	150	N	>2,000	N
KR334C	N	N	N	7,000	50	N	100	N	>2,000	N
KR335C	N	N	N	>10,000	20	N	100	N	>2,000	N
KR336C	N	<10	200	2,000	700	N	700	N	>2,000	N
KR337C	N	N	N	>10,000	70	N	200	N	>2,000	N
KR338C	N	20	N	300	20	N	1,000	N	>2,000	N
KR339C	N	<10	N	N	100	N	700	N	>2,000	N
KR340C	N	50	N	>10,000	100	N	1,000	N	>2,000	<200
KR341C	N	50	N	N	70	N	1,500	N	>2,000	N
KR343C	N	N	30	N	30	N	700	N	>2,000	N
KR344C	N	15	N	5,000	100	N	700	N	>2,000	<200
KR345C	N	10	N	500	200	N	1,000	N	>2,000	300
KR346C	N	20	N	500	50	N	200	N	>2,000	<200
KR347C	N	70	N	N	100	N	1,500	N	>2,000	N
KR348C	N	50	<20	1,000	150	N	700	N	>2,000	N
KR349C	N	N	N	2,000	700	N	500	N	>2,000	N
KR350C	N	N	N	1,000	70	N	500	N	>2,000	N
KR351C	N	10	<20	200	100	N	200	500	>2,000	N
KR352C	N	70	<20	500	150	N	1,000	N	>2,000	500
KR353C	N	N	N	300	100	N	300	N	>2,000	N
KR354C	N	N	N	10,000	30	200	100	N	>2,000	N
KR355C	N	20	N	2,000	100	N	700	N	>2,000	N
KR356C	N	N	N	>10,000	150	N	100	N	>2,000	N
KR357C	N	100	50	200	70	N	700	N	>2,000	700
KR358C	N	100	N	2,000	200	N	1,000	N	>2,000	700
KR360C	N	100	N	200	100	N	1,000	N	>2,000	N
KR362C	N	<10	70	N	100	N	1,500	1,300	>2,000	N
KR363C	N	<10	N	300	200	N	1,000	N	>2,000	N
KR365C	N	50	30	300	150	N	700	N	>2,000	N
KR367C	N	50	N	500	200	N	1,000	N	>2,000	N
KR369C	N	20	N	300	200	N	1,500	N	>2,000	N
KR370C	N	50	N	1,500	70	N	1,000	N	>2,000	N
KR371C	N	<10	N	700	100	N	700	N	>2,000	N
KR373C	N	70	N	500	100	N	1,000	N	>2,000	N
KR374C	N	50	50	300	70	N	1,000	N	>2,000	N
KR375C	N	50	N	500	150	N	1,000	N	>2,000	N

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTRIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	R-ppm S	Pb-ppm S
KR377C	33 16 6	113 50 30	1.00	1.00	2.00	1.00	500	N	N	N	20	700
KR378C	33 2 5	114 9 35	.10	.05	50.00	.15	150	10	N	N	20	>10,000
KR379C	33 17 48	113 48 30	5.00	.70	1.50	2.00	1,500	N	3,000	N	<20	>10,000
KR381C	33 17 19	113 49 13	.70	.70	1.00	.50	500	N	N	N	<20	1,000
KR382C	33 17 1	113 49 43	.70	.50	2.00	1.00	200	N	N	N	20	1,500
KR383C	33 15 48	113 50 48	1.00	.20	7.00	.50	2,000	N	N	N	30	>10,000
KR384C	33 15 26	113 51 5	1.00	.10	1.00	2.00	700	N	700	N	<20	>10,000
KR385C	33 17 37	113 56 38	.20	.07	.70	1.00	200	N	N	N	N	>10,000
KR386C	33 17 52	113 57 4	1.50	.20	2.00	2.00	500	N	N	N	20	3,000
KR387C	33 17 45	113 57 34	2.00	.20	7.00	1.50	300	N	N	N	20	>10,000
KR388C	33 17 50	113 57 45	.30	.07	7.00	1.00	200	N	N	N	N	>10,000
KR389C	33 18 45	113 59 23	1.00	.50	10.00	.10	300	N	7,000	N	<20	100
KR390C	33 18 49	113 59 32	.30	.20	1.50	.20	500	N	N	N	<20	2,000
KR391C	33 16 6	113 57 50	1.00	.20	5.00	2.00	2,000	N	N	N	N	>10,000
KR392C	33 16 0	113 57 51	1.00	.20	10.00	.50	300	<1	N	N	30	>10,000
KR393C	33 15 54	113 57 48	.70	.20	10.00	>2.00	700	N	N	N	N	>10,000
KR395C	33 14 39	114 13 2	.50	<.05	.20	.30	500	N	N	N	N	2,000
KR396C	33 14 18	114 14 24	1.50	.30	2.00	.50	700	N	<500	N	30	10,000
KR399C	33 13 0	114 14 51	.70	.50	10.00	1.00	300	N	N	N	<20	5,000
KR401C	33 11 25	114 14 58	.70	.20	2.00	.50	100	N	N	N	50	>10,000
KR402C	33 11 39	114 14 57	1.50	1.00	5.00	.70	700	N	N	N	20	>10,000
KR403C	33 10 35	114 14 32	.50	.30	1.00	.50	200	N	N	N	20	3,000
KR404C	33 10 22	114 14 5	.50	.10	10.00	.30	150	N	N	N	30	3,000
KR406C	33 9 27	114 13 25	.50	.20	1.50	1.50	200	N	N	N	<20	1,500
KR409C	33 8 14	114 13 59	.50	.15	.50	.50	200	N	N	N	<20	2,000
KR410C	33 8 0	114 13 35	1.00	1.00	1.50	>2.00	700	N	N	N	20	3,000
KR411C	33 7 52	114 13 25	.30	.30	2.00	>2.00	150	N	N	N	20	3,000
KR413C	33 8 1	114 11 32	.50	.10	1.00	.20	200	N	N	N	<20	1,000
KR414C	33 8 5	114 12 8	.50	.10	2.00	2.00	500	N	N	N	<20	3,000
KR415C	33 7 26	114 11 52	.15	.05	1.50	.10	50	N	N	N	N	700
KR416C	33 7 38	114 11 53	7.00	1.00	3.00	>2.00	1,000	10	<500	700	20	3,000
KR417C	33 6 38	114 12 27	2.00	.50	2.00	>2.00	1,000	N	N	N	100	>10,000
KR418C	33 6 32	114 12 0	1.00	.20	5.00	>2.00	200	N	500	N	70	10,000
KR419C	33 6 20	114 10 43	1.00	.20	5.00	2.00	150	N	N	N	50	700
KR420C	33 6 4	114 10 18	1.00	.50	10.00	>2.00	700	N	N	N	20	5,000
KR421C	33 5 58	114 10 6	1.00	.20	7.00	1.00	200	N	N	N	20	500
KR422C	33 4 57	114 9 55	.70	.10	5.00	>2.00	200	N	N	N	70	2,000
KR423C	33 4 43	114 9 47	1.50	.50	3.00	2.00	500	N	N	N	50	10,000
KR424C	33 4 7	114 9 40	.50	.10	10.00	.50	100	N	N	N	<20	500
KR425C	33 3 35	114 8 59	.30	.10	10.00	2.00	200	N	N	N	<20	10,000
KR426C	33 3 17	114 9 5	1.50	.10	7.00	2.00	1,500	N	N	N	20	>10,000
KR427C	33 2 57	114 9 21	.20	.05	5.00	.30	200	20	N	N	<20	>10,000
KR429C	33 2 22	114 8 23	.10	.05	.15	.03	30	N	N	N	<20	>10,000
KR430C	33 2 52	114 8 7	1.00	.30	5.00	>2.00	700	N	N	N	70	5,000
KR431C	33 2 27	114 7 45	1.50	.10	1.00	>2.00	300	N	N	N	50	>10,000

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S
KR377C	5	N	N	10	200	N	200	N	N	20	200
KR378C	N	N	N	N	N	N	100	500	N	N	20,000
KR379C	3	N	N	15	200	15	150	100	N	50	500
KR381C	15	N	N	N	100	N	100	N	N	50	N
KR382C	2	N	N	<10	20	N	150	N	N	15	N
KR383C	3	N	N	<10	<20	<10	500	N	N	20	500
KR384C	5	N	N	N	N	N	200	N	N	30	70
KR385C	5	N	N	N	N	N	150	N	N	30	N
KR386C	5	N	N	N	N	N	150	N	N	30	N
KR387C	10	N	N	N	N	<10	<50	N	N	20	500
KR388C	5	N	N	N	N	30	500	N	<50	30	<20
KR389C	2	N	N	N	N	<10	100	N	N	20	1,500
KR390C	10	50	N	10	N	N	50	N	N	N	N
KR391C	<2	20	N	<10	N	1,500	200	N	N	10	20,000
KR392C	N	100	N	10	N	1,000	200	N	N	20	>50,000
KR393C	2	N	N	N	50	150	300	N	50	15	300
KR395C	2	N	N	N	<20	N	200	N	<50	20	100
KR396C	<2	N	N	N	N	<10	<50	N	N	10	1,000
KR399C	15	N	N	N	<20	N	500	N	N	30	300
KR401C	5	N	N	10	N	N	N	200	N	15	300
KR402C	15	N	N	N	150	<10	200	10	N	50	<20
KR403C	15	N	N	N	N	N	<50	700	N	30	N
KR404C	5	N	N	N	N	N	150	N	N	15	50
KR406C	7	N	N	N	N	N	<50	N	N	20	100
KR409C	7	N	N	N	N	N	100	N	N	50	N
KR410C	5	N	N	10	150	<10	300	N	N	20	5,000
KR411C	2	N	N	N	N	N	150	N	<50	10	30
KR413C	20	N	N	N	N	N	<50	N	N	30	N
KR414C	10	N	N	N	50	N	200	N	N	10	N
KR415C	<2	N	N	N	N	N	<50	N	N	10	N
KR416C	7	N	N	20	100	30	300	N	N	30	300
KR417C	3	N	N	10	100	N	300	N	50	20	70
KR418C	5	N	N	N	20	N	300	20	<50	20	200
KR419C	2	N	N	<10	N	N	100	N	N	20	300
KR420C	5	N	N	<10	20	10	500	N	100	20	200
KR421C	2	N	N	N	200	10	150	N	N	20	300
KR422C	7	N	N	N	<20	N	200	N	<50	20	150
KR423C	3	N	N	10	N	N	200	N	N	30	200
KR424C	2	N	N	N	N	N	<50	N	N	10	100
KR425C	5	N	N	N	<20	N	300	N	50	20	200
KR426C	2	N	N	15	100	<10	200	N	50	50	200
KP427C	2	N	N	N	30	N	<50	100	N	10	20,000
KR429C	N	N	N	N	N	N	N	N	N	<10	200
KR430C	5	N	N	N	20	N	300	N	100	20	300
KP431C	5	N	N	N	N	N	200	N	N	50	200

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S
KR377C	N	50	N	500	70	N	700	N	>2,000	N
KR378C	N	N	N	700	1,000	N	700	3,000	>2,000	N
KR379C	N	70	N	500	500	N	1,000	N	>2,000	N
KR381C	N	50	N	500	100	N	1,000	N	>2,000	200
KR382C	N	<10	N	500	70	N	300	N	>2,000	N
KR383C	N	30	<20	3,000	100	N	500	N	>2,000	N
KR384C	N	50	N	2,000	150	N	500	N	>2,000	N
KR385C	N	50	N	700	100	N	1,000	N	>2,000	200
KR386C	N	30	N	200	70	N	1,500	N	>2,000	<200
KR387C	N	N	70	1,500	100	N	1,000	N	>2,000	N
KR388C	N	30	N	700	50	N	1,000	N	>2,000	<200
KR389C	N	N	N	200	300	N	700	N	>2,000	N
KR390C	N	10	50	200	70	N	200	N	>2,000	N
KR391C	200	20	700	700	70	N	500	N	>2,000	N
KR392C	N	N	>2,000	700	70	N	700	N	>2,000	N
KR393C	N	20	300	2,000	100	N	500	700	>2,000	N
KR395C	N	N	N	200	70	N	200	N	>2,000	N
KR396C	N	N	N	200	50	N	100	N	>2,000	N
KR399C	N	50	<20	300	70	N	1,000	1,000	>2,000	N
KR401C	N	<10	N	<200	50	N	700	N	>2,000	N
KR402C	N	10	500	3,000	70	N	1,000	N	>2,000	N
KR403C	N	<10	>2,000	200	50	N	700	N	>2,000	200
KR404C	N	N	200	N	30	N	1,000	N	>2,000	N
KR406C	N	50	N	N	70	N	1,000	N	>2,000	N
KR409C	N	50	N	200	70	N	1,000	N	>2,000	<200
KR410C	N	70	200	500	100	N	700	N	>2,000	N
KR411C	N	70	N	3,000	200	N	700	N	>2,000	N
KR413C	N	30	N	500	70	N	1,000	N	>2,000	300
KR414C	N	<10	N	N	70	N	1,000	N	>2,000	<200
KR415C	N	N	N	N	20	N	70	N	>2,000	N
KR416C	N	50	70	300	300	N	1,000	N	>2,000	200
KR417C	N	50	N	>10,000	150	N	1,000	N	>2,000	<200
KR418C	N	50	300	500	150	N	1,000	N	>2,000	<200
KR419C	N	30	N	N	70	N	700	N	>2,000	N
KR420C	N	30	N	500	200	N	1,000	N	>2,000	N
KR421C	N	50	150	200	70	N	700	N	>2,000	N
KR422C	N	70	30	500	150	N	700	N	>2,000	<200
KR423C	N	<10	20	N	100	N	500	N	>2,000	N
KR424C	N	N	N	500	50	N	300	N	>2,000	N
KR425C	N	30	30	500	30	N	1,000	N	>2,000	N
KR426C	N	20	<20	2,000	70	N	300	N	>2,000	N
KR427C	N	N	150	10,000	500	N	200	20,000	>2,000	<200
KR429C	N	N	N	>10,000	50	N	50	N	>2,000	N
KR430C	N	50	<20	500	150	N	700	N	>2,000	N
KR431C	N	100	N	1,000	150	N	700	N	>2,000	N

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-pptm S	Ag-pptm S	As-pptm S	Au-pptm S	B-pptm S	Ba-pptm S
KR432C	33 2 17	114 7 33	1.50	.50	2.00	>2.00	500	N	N	N	20	1,500
KR433C	33 1 19	114 8 57	1.50	.30	5.00	>2.00	700	N	N	N	30	2,000
KR434C	33 0 38	114 9 52	.50	.10	2.00	2.00	100	<1	N	N	50	>10,000
KR435C	33 0 10	114 9 34	1.50	.70	2.00	1.00	300	N	N	N	50	>10,000
KR436C	33 0 33	114 8 17	1.50	.20	5.00	>2.00	500	20	N	50	30	>10,000
KR437C	33 0 13	114 8 16	1.00	.50	5.00	>2.00	200	N	<500	N	30	10,000
KR438C	33 14 1	114 12 22	2.00	.50	5.00	1.00	700	N	<500	N	20	3,000
KR439C	33 13 34	114 12 46	.30	.15	2.00	2.00	700	N	N	N	<20	>10,000
KR440C	33 13 29	114 12 37	.30	.05	.50	.20	100	N	N	N	<20	1,500
KR441C	33 13 13	114 12 21	.20	.10	.50	.03	100	20	N	N	20	10,000
KR442C	33 13 24	114 11 20	.20	.05	.30	.20	100	N	N	N	<20	1,000
KR443C	33 13 18	114 11 18	1.00	.20	1.00	1.00	500	N	700	N	20	1,000
KR447C	33 10 14	114 8 38	.50	.20	.50	.70	200	N	N	N	20	2,000
KR448C	33 11 45	114 12 30	2.00	.15	2.00	1.00	700	N	N	N	<20	1,500
KR449C	33 9 58	114 10 12	1.00	.50	1.00	>2.00	500	N	N	N	150	7,000
KR451C	33 9 14	114 10 30	.30	.10	1.00	.20	150	N	N	N	20	2,000
KR452C	33 9 15	114 10 23	1.50	.50	3.00	.50	300	N	N	N	200	1,500
KR453C	33 8 0	114 9 30	.70	.15	1.50	>2.00	200	N	N	N	50	500
KR454C	33 8 4	114 9 43	1.00	.15	1.00	.70	200	N	N	N	<20	500
KR455C	33 8 41	114 8 35	.50	.20	2.00	2.00	300	N	N	N	N	3,000
KR457C	33 7 27	114 6 11	.30	.10	2.00	>2.00	200	N	N	N	30	3,000
KR459C	33 7 19	114 6 45	1.00	.30	10.00	>2.00	1,500	N	N	N	<20	>10,000
KR460C	33 6 36	114 6 36	1.00	.10	7.00	1.00	300	N	N	N	20	1,000
KR461C	33 6 31	114 5 51	2.00	1.00	10.00	1.00	1,500	10	700	N	100	3,000
KR462C	33 6 13	114 4 49	.70	.10	5.00	2.00	1,000	N	<500	N	20	3,000
KR463C	33 8 20	114 3 48	.50	.20	2.00	2.00	500	N	N	N	150	>10,000
KR465C	33 5 6	114 6 52	.30	.10	5.00	1.00	150	N	N	N	30	3,000
KR466C	33 5 1	114 6 55	2.00	.20	7.00	1.00	500	N	N	N	N	5,000
KR467C	33 4 2	114 6 27	.50	.15	3.00	2.00	200	300	N	1,000	100	2,000
KR468C	33 4 4	114 6 7	1.00	1.00	5.00	2.00	2,000	N	N	N	20	10,000
KR470C	33 6 25	114 4 4	1.00	.30	1.50	1.00	500	N	N	N	50	>10,000
KR472C	33 2 37	114 5 11	3.00	.20	3.00	1.50	700	20	N	N	20	>10,000
KR473C	33 2 31	114 5 10	1.50	.20	3.00	>2.00	100	100	N	500	50	3,000
KR475C	33 3 34	114 3 19	5.00	.50	7.00	>2.00	1,000	N	2,000	N	100	2,000
KR476C	33 4 7	114 1 45	3.00	.50	5.00	>2.00	500	N	3,000	N	30	5,000
KR479C	33 15 30	113 56 26	.20	.07	5.00	.70	1,000	N	N	N	20	>10,000
KR480C	33 16 15	113 57 24	.30	.10	5.00	1.50	700	N	N	N	20	>10,000
KR481C	33 16 3	113 57 28	1.00	.15	2.00	2.00	500	70	N	500	50	>10,000
KR482C	33 17 45	113 58 52	.30	.07	5.00	1.00	200	7	N	30	20	5,000
KR483C	33 17 46	113 58 17	1.50	.20	10.00	2.00	70	300	N	1,000	20	>10,000
KR484C	33 15 35	113 57 43	.50	.10	5.00	1.50	500	N	N	N	<20	>10,000
KR485C	33 15 40	113 57 53	.50	.10	3.00	1.50	200	N	N	N	20	>10,000
KR486C	33 15 45	113 58 7	.20	.10	5.00	.50	150	N	N	N	<20	>10,000
KR487C	33 15 48	113 58 17	.20	.10	10.00	>2.00	500	N	N	N	<20	>10,000
KR488C	33 15 54	113 58 34	.50	.15	5.00	.50	200	20	<500	N	20	>10,000

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Re-pbm S	Bi-pbm S	Cd-pbm S	Co-pbm S	Cr-pbm S	Cu-pbm S	La-pbm S	Mo-pbm S	Nb-pbm S	Ni-pbm S	Pb-pbm S
KR432C	3	N	N	10	150	15	150	N	N	20	1,000
KR433C	5	N	N	N	N	N	150	N	50	30	1,000
KR434C	N	N	N	<10	N	<10	<50	20	<50	10	15,000
KR435C	<2	N	N	10	200	15	150	N	<50	20	1,000
KR436C	<2	N	N	N	20	N	200	N	N	15	150
KR437C	2	N	N	10	50	150	300	50	N	20	700
KR438C	2	N	N	10	20	10	150	N	50	10	N
KR439C	5	N	N	N	N	30	<50	N	<50	30	20
KR440C	2	N	N	N	N	10	N	N	N	20	N
KR441C	15	20	N	N	N	150	100	N	N	20	10,000
KR442C	10	N	N	N	N	N	100	N	N	30	N
KR443C	5	N	N	N	N	<10	100	N	N	15	100
KR447C	10	N	N	N	150	N	100	N	N	30	50
KR448C	30	N	N	N	N	N	300	N	N	30	N
KR449C	7	N	N	<10	50	<10	500	N	N	30	700
KR451C	15	N	N	N	N	N	100	70	N	30	300
KR452C	5	N	N	N	N	<10	100	N	N	20	N
KR453C	3	N	N	N	N	N	100	N	N	20	700
KR454C	10	N	N	N	N	100	100	N	N	30	100
KR455C	3	N	N	N	<20	N	<50	N	50	20	50
KR457C	15	N	N	N	N	N	100	N	50	30	200
KR459C	10	N	N	N	<20	N	500	N	50	10	70
KR460C	3	N	N	N	N	<10	150	N	N	20	100
KR461C	7	N	N	15	5,000	20	200	N	<50	50	300
KR462C	5	N	N	N	30	N	200	N	50	20	100
KR463C	7	N	N	N	N	N	<50	N	<50	15	100
KR465C	2	N	N	N	N	N	100	N	N	20	300
KR466C	7	N	N	10	20	<10	150	N	N	50	20
KR467C	3	N	N	<10	N	10	200	N	N	20	300
KR468C	2	N	N	10	20	<10	150	N	N	10	500
KR470C	10	N	N	20	N	N	N	N	N	50	50
KR472C	2	<20	N	10	50	30	100	N	N	20	5,000
KR473C	3	N	N	15	<20	<10	150	N	<50	30	300
KR475C	2	N	N	15	100	<10	700	N	30	30	300
KR476C	2	N	N	N	30	<10	200	N	100	30	20
KR479C	N	<20	N	N	50	10	100	70	<50	<10	1,000
KR480C	N	N	N	N	100	N	N	N	<50	10	700
KR481C	3	20	N	N	<20	N	100	N	<50	30	5,000
KR482C	5	N	N	N	N	N	200	N	N	20	20
KR483C	2	70	N	10	20	2,000	100	30	50	15	>50,000
KR484C	5	N	N	N	50	N	100	N	<50	<10	70
KR485C	N	N	N	N	30	N	N	N	<50	<10	<20
KR486C	N	N	N	<10	N	<10	200	N	N	10	N
KR487C	2	N	N	N	N	N	500	N	50	10	100
KR488C	2	N	N	N	50	N	100	N	N	30	500

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S
KR432C	N	100	50	200	150	N	700	N	>2,000	N
KR433C	N	30	70	500	200	N	700	N	>2,000	200
KR434C	N	N	N	7,000	150	<100	300	700	>2,000	N
KR435C	N	<10	30	3,000	70	N	150	N	>2,000	N
KR436C	N	50	N	300	150	N	1,000	N	>2,000	500
KR437C	N	50	30	300	200	N	1,000	N	>2,000	500
KR438C	N	<10	N	300	70	N	200	N	>2,000	N
KR439C	N	<10	N	700	70	N	700	N	>2,000	300
KR440C	N	10	N	500	50	N	500	N	>2,000	500
KR441C	1,000	70	>2,000	200	30	N	1,000	N	>2,000	N
KR442C	N	70	N	<200	50	N	1,500	N	>2,000	<200
KR443C	N	30	N	<200	70	N	700	N	>2,000	200
KR447C	N	70	150	<200	70	N	1,000	N	>2,000	<200
KR448C	N	50	N	<200	100	N	1,500	N	>2,000	<200
KR449C	N	50	100	500	100	N	700	2,000	>2,000	<200
KR451C	N	50	1,500	200	70	N	1,000	<500	>2,000	N
KR452C	N	30	N	500	70	N	700	N	>2,000	<200
KR453C	N	70	500	<200	100	N	700	N	>2,000	N
KR454C	N	70	N	<200	70	N	1,500	N	>2,000	N
KR455C	N	15	100	500	150	N	500	N	>2,000	N
KR457C	N	70	50	500	100	N	1,000	N	>2,000	200
KR459C	N	<10	200	1,000	70	N	500	N	>2,000	N
KR460C	N	50	N	<200	70	N	1,000	N	>2,000	N
KR461C	N	15	30	500	200	N	150	N	>2,000	N
KR462C	N	30	30	500	100	N	500	N	>2,000	N
KR463C	N	N	N	2,000	100	N	700	N	>2,000	N
KR465C	N	20	300	N	70	N	1,000	N	>2,000	N
KR466C	N	50	N	500	150	N	1,000	N	>2,000	N
KR467C	N	50	100	N	100	N	1,000	N	>2,000	N
KR468C	N	20	N	500	150	N	200	500	>2,000	N
KR470C	N	<10	N	500	100	N	700	N	>2,000	N
KR472C	N	50	500	1,000	100	N	1,000	N	>2,000	N
KR473C	N	100	100	N	200	N	700	N	>2,000	200
KR475C	N	50	N	500	500	N	700	N	>2,000	<200
KR476C	N	N	N	500	200	N	300	N	>2,000	N
KR479C	N	N	N	10,000	100	100	500	N	>2,000	<200
KR480C	N	N	50	5,000	50	300	200	N	>2,000	500
KR481C	N	50	700	200	100	N	700	N	>2,000	200
KR482C	N	30	N	200	50	N	1,500	N	>2,000	<200
KR483C	500	10	>2,000	700	100	N	200	10,000	>2,000	N
KR484C	N	N	N	5,000	50	N	200	N	>2,000	N
KR485C	N	N	N	3,000	20	N	150	N	>2,000	N
KR486C	N	20	N	5,000	30	N	300	N	>2,000	N
KR487C	N	30	50	2,000	70	N	1,000	N	>2,000	N
KR488C	N	50	20	500	50	200	1,000	<500	>2,000	N

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR489C	33 16 5	113 58 28	1.00	.50	5.00	>2.00	1,000	N	N	N	30	>10,000
KR490C	33 16 14	113 58 35	.50	.15	5.00	>2.00	500	N	N	N	N	>10,000
KR491C	33 16 26	113 58 41	1.00	.30	2.00	2.00	500	N	N	N	50	>10,000
KR496C	33 16 32	113 58 0	3.00	.30	5.00	>2.00	2,000	50	500	700	50	>10,000
KR497C	33 17 10	113 57 30	.20	.05	10.00	1.00	300	50	N	N	50	>10,000
KR498C	33 16 35	113 57 24	.20	.05	20.00	.30	700	N	N	N	<20	>10,000
KR499C	33 17 15	113 58 52	.70	.20	10.00	>2.00	1,000	N	N	N	N	5,000
KR500C	33 16 12	113 57 58	.50	.15	5.00	>2.00	1,000	N	500	50	20	2,000

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Pi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S
KR489C	5	N	N	N	N	10	300	N	<50	30	200
KR490C	5	300	N	N	N	N	300	N	50	20	N
KR491C	3	N	N	10	50	N	100	50	<50	30	200
KR496C	2	N	N	15	70	200	150	N	50	20	1,000
KR497C	N	100	N	N	N	15	N	700	N	N	15,000
KR498C	N	N	N	N	N	50	100	500	N	<10	10,000
KR499C	<2	N	N	N	N	<10	100	N	70	10	30
KR500C	3	N	N	N	N	70	300	N	100	20	500

TABLE 5. ANALYSES OF HEAVY-MINERAL-CONCENTRATE SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sb-ppm S	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S
KR489C	N	<10	N	500	100	N	700	N	>2,000	200
KR490C	N	70	N	500	100	N	1,000	N	>2,000	N
KR491C	N	50	N	500	100	100	1,000	N	>2,000	N
KR496C	N	50	700	1,000	200	N	500	N	>2,000	N
KR497C	N	100	N	5,000	700	20,000	200	N	>2,000	N
KR498C	N	N	<20	7,000	70	1,000	1,000	N	>2,000	N
KR499C	N	10	N	500	70	300	1,000	N	>2,000	N
KR500C	N	20	70	500	100	N	500	N	>2,000	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR0011R	33 31 17	113 48 0	3.00	5.00	5.00	.500	1,000	.5	N	N	20	500
KR0012RA	33 37 54	113 55 56	7.00	5.00	5.00	.500	>5,000	N	<200	N	70	>5,000
KR0012RR	33 37 54	113 55 56	10.00	5.00	5.00	.700	5,000	N	N	N	20	1,500
KR0012RC	33 37 54	113 55 56	3.00	1.50	2.00	.150	>5,000	N	1,000	N	30	>5,000
KR0012RD	33 37 54	113 55 56	7.00	5.00	5.00	.700	>5,000	N	N	N	50	5,000
KR0025R	33 33 56	114 1 21	.20	.10	2.00	.002	300	N	N	N	20	50
KR0028R	33 34 32	114 2 42	7.00	.30	20.00	.050	5,000	N	N	N	50	500
KR0044R	33 34 26	113 54 19	1.00	1.00	1.00	.150	500	N	N	N	30	1,500
KR0073R	33 36 58	113 56 41	2.00	.70	15.00	.300	>5,000	5.0	N	N	70	700
KR0075RA	33 37 14	113 56 45	1.00	.10	.20	.100	300	100.0	N	N	70	>5,000
KR0075RB	33 37 14	113 56 45	5.00	.15	.20	.050	1,000	70.0	500	N	500	>5,000
KR0088R	33 37 18	114 3 36	.07	.03	<.05	.003	70	N	N	N	20	300
KR0090RA	33 37 18	114 3 36	2.00	1.00	20.00	.003	1,000	1,000.0	N	N	20	N
KR0090RB	33 37 18	114 3 36	7.00	.03	<.05	.010	50	30.0	N	N	20	N
KR0090RC	33 37 18	114 3 36	7.00	<.02	<.05	.020	50	5.0	N	N	20	<20
KR0141RA	33 31 51	114 7 19	.15	.07	.15	.005	70	N	N	N	300	<20
KR0141RB	33 31 51	114 7 19	.30	.10	.20	<.002	70	N	N	N	700	<20
KR0500R	33 23 28	113 52 57	3.00	.15	.15	.500	50	N	N	N	50	1,500
KR0501R	33 22 57	113 52 29	3.00	.50	.30	.070	150	N	N	N	100	150
KR0502R	33 23 23	113 52 20	1.00	.30	.20	.070	70	N	N	N	50	50
KR0503R	33 24 9	113 52 18	5.00	.50	1.00	.500	100	N	N	N	50	3,000
KR0504R	33 25 4	113 52 5	1.50	.50	1.00	.100	200	N	N	N	100	300
KR0505R	33 25 26	113 53 17	10.00	2.00	.05	.500	300	<.5	N	N	100	1,500
KR0505RA	33 25 26	113 53 17	15.00	3.00	1.00	.200	1,000	N	N	N	1,000	1,000
KR0506R	33 25 52	113 51 13	2.00	.30	.20	.070	100	N	N	N	50	100
KR0507R	33 26 21	113 52 4	1.00	.20	1.00	.200	150	N	N	N	50	700
KR0508R	33 25 47	113 52 32	1.00	.20	.50	.070	200	N	N	N	100	100
KR0509R	33 26 14	113 53 3	3.00	.50	.70	.150	300	N	N	N	100	2,000
KR0510R	33 26 36	113 53 32	1.00	.50	2.00	.050	300	N	N	N	30	200
KR0511R	33 27 4	113 55 2	1.50	.20	1.00	.100	100	<.5	N	N	50	500
KR0512R	33 26 45	113 56 23	1.00	.15	.20	.050	50	N	N	N	50	50
KR0513R	33 18 3	113 56 55	2.00	.50	1.00	.200	70	<.5	N	N	50	700
KR0514R	33 17 57	113 57 13	2.00	.50	.20	.050	300	N	N	N	70	700
KR0515R	33 18 8	113 57 46	1.50	.30	.50	.100	200	<.5	N	N	50	200
KR0516R	33 17 55	113 58 51	1.00	.50	.50	.050	150	1.0	N	N	30	200
KR0517R	33 18 15	113 59 22	5.00	2.00	1.00	.500	1,500	<.5	N	N	20	2,000
KR0518R	33 19 13	113 58 6	1.50	.50	.20	.100	100	N	N	N	30	150
KR0519R	33 19 5	113 58 39	1.00	.10	.10	.050	100	2.0	N	N	50	150
KR0520R	33 18 55	113 59 16	1.50	.50	1.00	.150	700	N	N	N	30	1,500
KR1000R	33 25 46	114 7 48	5.00	.30	1.50	.500	1,000	N	N	N	30	1,500
KR1001R	33 25 46	114 7 48	1.00	.30	.50	.100	500	N	N	N	20	700
KR1002R	33 25 46	114 7 48	1.00	.20	.50	.100	500	N	N	N	100	1,000
KR1003R	33 24 36	114 6 35	5.00	1.00	2.00	.700	700	N	N	N	50	1,500
KR1004R	33 24 35	114 6 0	2.00	.70	1.00	.300	500	N	N	N	50	2,000
KR1005R	33 24 43	114 5 46	5.00	1.00	1.50	.500	500	N	N	N	20	1,500

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR0011R	N	N	N	50	100	50	50	N	N	50	20	N
KR0012RA	<1.0	N	N	50	100	200	<20	150	N	50	5,000	N
KR0012RB	<1.0	N	N	50	100	100	50	5	N	70	100	N
KR0012RC	1.0	N	N	50	70	1,500	50	1,000	N	30	>20,000	N
KR0012RD	<1.0	N	N	50	100	150	50	20	N	70	2,000	N
KR0025R	N	N	N	N	N	<5	N	N	<20.0	5	N	N
KR0028R	<1.0	N	N	10	<10	3,000	100	10	N	<5	200	N
KR0044R	1.5	N	N	5	N	10	100	N	N	<5	50	N
KR0073R	1.0	N	N	10	<10	>20,000	<20	N	N	5	50	N
KR0075RA	1.0	N	N	5	15	>20,000	N	100	N	<5	5,000	N
KR0075RB	1.0	N	30	<5	1,500	>20,000	N	30	N	N	>20,000	7,000.00
KR0088R	N	N	N	N	N	150	N	N	N	<5	20	N
KR0090RA	N	N	N	<5	N	>20,000	N	100	N	5	50	100.00
KR0090RB	N	N	N	<5	<10	20,000	N	100	N	<5	N	500.00
KR0090RC	N	N	N	<5	10	700	N	5	N	<5	N	N
KR0141RA	N	N	N	<5	N	20	N	N	N	<5	N	N
KR0141RB	N	N	N	<5	N	10	N	N	N	<5	N	N
KR0500R	1.5	N	N	N	<10	<5	70	N	<20.0	N	50	N
KR0501R	5.0	N	N	N	<10	7	50	5	30.0	N	70	N
KR0502R	3.0	N	N	N	N	5	50	N	30.0	N	50	N
KR0503R	1.0	N	N	N	30	7	100	N	<20.0	N	100	N
KR0504R	3.0	N	N	N	N	5	<20	N	30.0	70	50	N
KR0505R	3.0	N	N	300	100	3,000	50	20	N	150	20	N
KR0505RA	5.0	N	N	2,000	50	>20,000	>1,000	100	N	N	10	N
KR0506R	2.0	N	N	10	N	150	50	5	30.0	N	100	N
KR0507R	2.0	N	N	<5	<10	100	70	7	20.0	N	50	N
KR0508R	2.0	N	N	N	N	30	N	N	30.0	N	30	N
KR0509R	2.0	N	N	<5	<10	20	100	<5	30.0	N	70	N
KR0510R	2.0	N	N	N	N	7	50	N	20.0	N	50	N
KR0511R	1.5	N	N	N	N	10	100	15	20.0	N	50	N
KR0512R	2.0	N	N	N	N	10	N	N	30.0	N	50	N
KR0513R	1.5	N	N	N	<10	15	150	N	20.0	N	70	N
KR0514R	2.0	N	N	N	N	7	50	N	20.0	N	50	N
KR0515R	2.0	N	N	N	N	5	50	N	20.0	N	50	N
KR0516R	2.0	N	N	N	N	5	N	N	20.0	N	70	N
KR0517R	2.0	N	N	10	10	10	70	N	<20.0	15	50	N
KR0518R	3.0	N	N	N	N	5	70	N	20.0	N	50	N
KR0519R	1.5	N	N	N	N	<5	N	N	30.0	N	50	N
KR0520R	2.0	N	N	N	N	5	70	N	N	N	50	N
KR1000R	1.0	N	N	5	N	N	150	N	N	N	30	N
KR1001R	2.0	N	N	7	N	<5	50	N	N	<5	20	N
KR1002R	3.0	N	N	5	N	<5	70	N	N	<5	50	N
KR1003R	1.5	N	N	15	15	7	70	N	N	15	30	N
KR1004R	1.5	N	N	5	N	<5	70	N	N	5	50	N
KR1005R	1.5	N	N	15	15	7	100	N	N	15	20	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm s	Sn-ppm s	Str-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm inst
KR0011R	20	N	500	150	N	20	N	50	N	.10	<.02
KR0012RA	20	N	2,000	300	N	30	300	100	N	.15	.06
KR0012RB	30	N	700	200	N	30	<200	150	N	.10	.02
KR0012RC	15	N	>5,000	1,000	N	20	500	50	N	.90	.02
KR0012RD	30	N	700	200	N	30	300	100	N	.15	.04
KR0025R	N	N	N	<10	N	N	N	N	N	.05	.06
KR0028R	15	N	500	100	N	150	N	20	N	.05	.02
KR0044R	<5	N	200	20	N	20	N	100	N	.05	<.02
KR0073R	15	N	500	150	N	20	N	50	N	.10	.12
KR0075RA	N	N	2,000	50	N	<10	1,000	30	N	.65	2.80
KR0075RB	N	N	200	500	N	20	2,000	N	N	1.10	1.10
KR0088R	N	N	N	10	N	<10	N	N	N	.10	.02
KR0090RA	15	N	<100	10	N	100	N	N	N	.35	.42
KR0090RB	N	N	N	10	N	<10	N	N	N	.15	.38
KR0090RC	N	N	N	10	N	N	N	<10	N	.05	.30
KR0141RA	N	N	N	10	N	N	N	N	N	.10	.02
KR0141RB	N	N	N	10	N	N	N	N	N	.05	.02
KR0500R	7	N	300	50	N	20	N	500	N	N	.12
KR0501R	N	N	N	10	N	30	N	150	N	N	.08
KR0502R	N	N	N	<10	N	50	N	200	N	N	.04
KR0503R	10	N	1,500	100	N	20	N	200	N	N	.10
KR0504R	N	N	N	10	N	50	N	300	N	N	.12
KR0505R	20	N	<100	200	N	30	N	200	N	N	.04
KR0505RA	30	N	200	200	N	150	N	100	N	.20	.10
KR0506R	N	N	N	10	N	30	N	150	N	N	.12
KR0507R	<5	N	300	20	N	20	N	200	N	.10	.04
KR0508R	N	N	N	10	N	30	N	100	N	N	.10
KR0509R	<5	N	200	30	N	30	N	200	N	N	.10
KR0510R	N	N	<100	10	N	50	N	200	N	N	.04
KR0511R	<5	N	<100	15	N	20	N	200	N	N	.04
KR0512R	N	N	N	10	N	30	N	200	N	N	.04
KR0513R	7	N	<100	15	N	50	N	200	N	N	.02
KR0514R	N	N	N	10	N	20	N	100	N	N	.02
KR0515R	N	N	N	10	N	30	N	200	N	N	.02
KR0516R	N	N	N	15	N	30	N	100	N	N	.02
KR0517R	10	N	300	100	N	20	N	150	N	N	.02
KR0518R	N	N	<100	10	N	50	N	150	N	N	.04
KR0519R	N	N	N	15	N	30	N	150	N	<.05	<.02
KR0520R	N	N	200	15	N	20	N	200	N	N	.04
KR1000R	7	N	<100	20	N	30	N	200	N	N	.06
KR1001R	N	N	700	15	N	20	N	100	N	N	.08
KR1002R	N	N	200	10	N	20	N	100	N	N	.06
KR1003R	10	N	500	70	N	30	N	200	N	N	.96
KR1004R	<5	N	200	50	N	20	N	200	N	N	.30
KR1005R	10	N	700	100	N	20	N	200	N	N	.26

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	F-ppm si	U-inst
KR0011R	--	5	45	1.6	N	N	.60	1.5	400	1.20
KR0012RA	--	320	790	.1	N	8	16.00	4.0	300	.60
KR0012RR	--	45	110	N	1	2	1.40	.5	200	.25
KR0012RC	--	2,000	890	4.0	1	80	73.00	15.0	100	1.10
KR0012RD	--	65	650	N	2	2	7.10	1.5	300	.20
KR0025R	--	10	5	.1	2	N	.20	N	N	.20
KR0028R	--	45	45	1.9	1	2	.60	3.0	100	11.00
KR0044R	--	N	<5	N	1	N	.60	1.5	100	.30
KR0073R	--	20	25	.6	N	N	.50	N	200	2.60
KR0075RA	--	35	700	3.3	N	20	.20	N	100	1.40
KR0075RB	--	170	2,000	1.9	N	820	N	N	N	4.60
KR0088R	--	10	N	N	1	N	N	N	100	.15
KR0090RA	--	85	5	1.1	N	140	N	N	N	1.20
KR0090RB	--	15	10	.1	13	200	N	.5	N	1.00
KR0090RC	--	40	5	.1	N	2	N	1.0	N	.25
KR0141RA	--	<5	N	N	N	2	N	1.5	N	<.05
KR0141RR	--	<5	N	N	N	2	N	5.5	N	.10
KR0500R	--	20	<5	N	N	<2	1.10	4.5	700	.10
KR0501R	--	10	10	N	N	2	1.10	2.0	200	.25
KR0502R	--	N	5	N	N	N	.70	1.5	100	.20
KR0503R	--	45	10	N	N	6	.90	3.5	300	.15
KR0504R	--	N	10	N	N	N	.80	2.5	300	.10
KR0505R	--	5	30	N	N	2	.90	4.5	300	.80
KR0505RA	--	5	5	N	N	2	.40	N	500	7.00
KR0506R	--	N	5	N	N	<2	.70	3.0	200	.05
KR0507R	--	N	<5	N	N	N	.80	2.5	100	.10
KR0508R	--	N	10	N	N	N	.70	2.0	200	.15
KR0509R	--	N	5	.1	N	N	.80	4.0	300	.10
KR0510R	--	N	60	.1	N	N	1.00	1.0	200	.55
KR0511R	--	N	5	N	N	<2	1.40	8.0	N	.10
KR0512R	--	N	20	N	N	<2	.80	1.5	N	.30
KR0513R	--	N	10	N	N	4	1.40	15.0	N	.10
KR0514R	--	N	<5	N	N	<2	1.70	1.0	N	.10
KR0515R	--	N	10	.1	N	<2	1.30	2.0	200	.10
KR0516R	--	N	<5	.1	N	2	1.40	2.5	100	.20
KR0517R	--	N	70	N	N	N	1.10	4.0	200	.25
KR0518R	--	N	15	N	N	4	.90	1.5	100	.05
KR0519R	--	N	<5	N	N	<2	1.00	1.5	N	.05
KR0520R	--	N	35	.1	N	<2	.60	3.5	300	.20
KR1000R	--	30	220	N	N	N	2.40	2.5	100	.50
KR1001R	--	5	40	N	N	N	3.00	2.5	100	.40
KR1002R	--	N	10	N	N	N	.80	2.0	100	.10
KR1003R	--	5	55	N	N	N	.60	2.5	200	.30
KR1004R	--	10	35	N	N	N	.60	2.5	100	.50
KR1005R	--	N	50	N	N	N	.60	2.0	300	.15

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Aq-ppm S	As-ppm S	Au-ppm S	U-ppm S	Ba-ppm S
KR1006R	33 25 10	114 5 57	.20	.20	>20.00	.015	>5,000	N	N	N	N	5,000
KR1007R	33 26 13	114 5 38	1.50	.15	.50	.100	1,000	N	N	N	50	700
KR1008R	33 25 20	114 3 8	5.00	1.00	1.50	.500	700	N	N	N	10	1,500
KR1009R	33 25 20	114 3 8	5.00	1.00	1.50	.500	1,000	N	N	N	30	2,000
KR1010R	33 24 28	114 2 19	5.00	1.50	1.50	.500	700	N	N	N	50	2,000
KR1011R	33 25 32	114 3 58	3.00	1.00	2.00	.500	500	N	N	N	50	2,000
KR1012R	33 25 6	114 4 6	2.00	1.00	1.00	.300	500	N	N	N	70	2,000
KR1013R	33 25 39	114 2 46	2.00	.70	1.50	.300	500	N	N	N	50	2,000
KR1014R	33 24 16	114 0 57	5.00	1.00	2.00	.500	700	N	N	N	20	1,500
KR1015R	33 23 29	114 0 36	5.00	1.00	1.00	.500	700	N	N	N	30	2,000
KR1016R	33 22 28	114 1 24	2.00	.70	1.00	.200	500	N	N	N	30	2,000
KR1017R	33 23 24	113 59 30	5.00	.70	1.50	.500	1,000	N	N	N	10	2,000
KR1018R	33 23 24	113 59 30	3.00	.50	1.50	.500	1,000	N	N	N	30	2,000
KR1019R	33 23 39	113 59 13	5.00	1.00	1.50	.700	1,000	N	N	N	15	2,000
KR1020R	33 23 39	113 59 13	2.00	.70	.50	.200	300	N	N	N	70	2,000
KR1021R	33 23 44	113 58 48	5.00	.70	.50	.500	150	.5	N	N	30	1,500
KR1022R	33 23 52	113 58 30	5.00	1.00	1.50	.500	1,000	N	N	N	30	2,000
KR1023R	33 23 52	113 59 30	5.00	1.50	1.50	.500	700	N	N	N	50	1,500
KR1024R	33 24 6	113 59 27	5.00	1.00	1.50	.500	500	N	N	N	20	1,500
KR1025R	33 22 42	113 59 27	5.00	1.00	1.50	.500	1,000	N	N	N	30	1,500
KR1026R	33 22 42	113 59 9	3.00	1.00	1.50	.500	500	N	N	N	30	2,000
KR1027R	33 22 51	113 59 9	5.00	.70	1.50	.700	500	N	N	N	30	1,500
KR1028R	33 22 51	113 59 9	5.00	1.50	2.00	.500	700	N	N	N	50	1,500
KR1029R	33 23 17	113 58 31	1.50	.50	.50	.200	200	N	N	N	70	1,500
KR1030R	33 22 47	113 56 7	2.00	.30	.05	.150	150	.5	N	N	20	1,000
KR1031R	33 22 47	113 56 7	.50	.30	<.05	.100	30	1.0	N	N	20	500
KR1032R	33 22 47	113 56 7	.30	.20	20.00	.020	>5,000	N	N	N	N	500
KR1033R	33 22 47	113 56 7	5.00	2.00	2.00	.500	700	N	N	N	20	3,000
KR1034R	33 23 42	114 1 44	3.00	1.00	1.50	.500	500	N	N	N	30	3,000
KR1035R	33 23 51	114 3 19	5.00	1.00	1.50	.500	500	N	N	N	30	2,000
KR1036R	33 23 40	114 3 44	3.00	1.00	1.50	.500	500	N	N	N	30	2,000
KR1037R	33 23 35	114 2 46	2.00	.70	.50	.200	200	N	N	N	30	1,500
KR1038R	33 25 31	114 4 46	2.00	.50	1.00	.300	500	N	N	N	50	1,500
KR1039R	33 23 17	113 58 31	2.00	.50	.70	.200	500	N	N	N	100	2,000
KR1040R	33 24 18	114 2 34	5.00	1.00	1.00	.500	500	N	N	N	30	1,500
KR1041R	33 24 18	114 2 34	2.00	.50	.20	.200	150	N	N	N	20	1,000
KR1042R	33 24 18	114 2 34	1.50	.50	.50	.100	200	N	N	N	20	1,000
KR1043R	33 24 14	114 2 35	2.00	.50	.70	.200	1,000	N	N	N	20	1,500
KR1044R	33 24 29	114 2 57	2.00	.70	.50	.200	1,000	N	N	N	20	700
KR1045R	33 24 24	114 2 57	2.00	.10	1.00	.150	150	N	N	N	20	50
KR1046R	33 24 24	114 2 57	3.00	1.00	1.50	.500	1,000	N	N	N	20	1,500
KR1047R	33 24 48	114 2 15	5.00	2.00	2.00	.700	1,000	N	N	N	30	1,500
KR1048R	33 23 49	113 57 22	5.00	1.50	2.00	.500	1,000	N	N	N	10	1,000
KR1049R	33 23 55	113 57 34	5.00	1.50	1.50	.500	500	N	N	N	20	1,500
KR1050R	33 23 34	113 57 35	2.00	.70	.05	.200	200	1.5	N	N	20	700

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Re-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR1006R	1.0	N	N	N	N	15	N	N	N	N	20	N
KR1007R	2.0	N	N	7	N	10	100	N	20.0	<5	50	N
KR1008R	1.0	N	N	15	10	7	50	N	N	10	30	N
KR1009R	1.5	N	N	15	10	7	70	N	N	10	30	N
KR1010R	1.5	N	N	15	20	7	100	N	N	15	30	N
KR1011R	1.5	N	N	7	<10	5	100	N	N	5	30	N
KR1012R	1.5	N	N	7	N	N	70	N	N	<5	50	N
KR1013R	1.5	N	N	7	N	5	70	N	N	5	30	N
KR1014R	1.0	N	N	15	15	7	100	N	N	10	20	N
KR1015R	1.0	N	N	10	10	10	70	N	N	7	20	N
KR1016R	2.0	N	N	5	N	5	70	N	<20.0	<5	50	N
KR1017R	1.5	N	N	10	<10	<5	50	N	N	<5	20	N
KR1018R	1.0	N	N	10	N	5	70	N	<20.0	<5	50	N
KR1019R	1.5	N	N	20	10	7	100	N	<20.0	10	50	N
KR1020R	1.0	N	N	5	N	<5	100	N	N	<5	50	N
KR1021R	1.5	N	N	10	10	7	70	N	N	10	30	N
KR1022R	1.5	N	N	15	10	7	100	N	N	10	50	N
KR1023R	1.5	N	N	15	10	5	100	N	N	5	30	N
KR1024R	2.0	N	N	10	10	10	100	N	N	20	20	N
KR1025R	1.5	N	N	10	N	5	100	N	N	<5	50	N
KR1026R	1.5	N	N	10	<10	<5	100	N	N	<5	50	N
KR1027R	1.5	N	N	15	<10	7	100	N	N	7	50	N
KR1028R	2.0	N	N	15	10	7	100	N	N	5	50	N
KR1029R	2.0	N	N	5	N	5	100	N	N	<5	30	N
KR1030R	1.5	N	N	7	N	<5	100	N	N	5	20	N
KR1031R	1.0	N	N	7	N	N	<20	N	N	<5	N	N
KR1032R	2.0	N	N	N	N	N	N	N	N	N	20	N
KR1033R	1.5	N	N	20	20	10	100	N	N	15	30	N
KR1034R	1.0	N	N	10	10	20	100	N	N	15	30	N
KR1035R	1.5	N	N	15	10	10	100	N	N	20	30	N
KR1036R	1.0	N	N	10	10	7	70	N	N	10	20	N
KR1037R	2.0	N	N	7	<10	<5	100	N	<20.0	5	30	N
KR1038R	2.0	N	N	10	N	N	100	N	N	<5	30	N
KR1039R	2.0	N	N	7	N	<5	100	N	N	<5	50	N
KR1040R	1.0	N	N	15	10	7	70	N	N	15	30	N
KR1041R	2.0	N	N	5	N	<5	70	N	<20.0	5	30	N
KR1042R	3.0	N	N	5	N	N	70	N	N	5	20	N
KR1043R	2.0	N	N	5	N	<5	70	N	<20.0	5	50	N
KR1044R	2.0	N	N	5	N	<5	50	N	<20.0	7	30	N
KR1045R	3.0	N	N	5	N	N	50	N	20.0	N	70	N
KR1046R	1.5	N	N	10	<10	7	70	N	N	7	50	N
KR1047R	1.5	N	N	15	10	7	100	N	N	10	50	N
KR1048R	1.5	N	N	15	10	5	100	N	N	15	30	N
KR1049R	1.5	N	N	15	10	7	70	N	N	15	30	N
KR1050R	1.5	N	N	5	<10	N	50	N	N	7	20	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm s	Sn-ppm s	Sr-ppm s	V-ppm s	W-ppm s	Y-ppm s	Zn-ppm s	Zr-ppm s	Th-ppm s	Au-ppm aa	Hg-ppm inst
KR1006P	N	N	1,000	30	N	N	N	N	N	N	.22
KR1007R	N	N	N	20	N	50	N	200	N	N	.04
KR1008R	10	N	500	50	N	30	N	300	N	N	.50
KR1009R	10	N	500	100	N	30	N	200	N	N	.14
KR1010R	10	N	500	100	N	30	N	200	N	N	.30
KR1011R	7	N	300	30	N	30	N	200	N	N	.26
KR1012R	5	N	300	30	N	20	N	200	N	N	.74
KR1013R	5	N	200	20	N	30	N	200	N	N	.24
KR1014R	10	N	500	50	N	30	N	200	N	N	.10
KR1015R	7	N	500	50	N	20	N	200	N	N	.24
KR1016R	5	N	150	20	N	30	N	200	N	N	.08
KR1017R	10	N	1,000	50	N	30	N	200	N	N	.28
KR1018R	10	N	500	50	N	30	N	200	N	N	.34
KR1019R	10	N	700	100	N	30	N	300	N	N	.60
KR1020R	5	N	150	20	N	20	N	150	N	N	.18
KR1021R	10	N	200	100	N	30	N	200	N	N	.10
KR1022R	10	N	700	100	N	30	N	300	N	N	.06
KR1023R	10	N	1,000	100	N	30	N	200	N	N	.02
KR1024R	10	N	700	100	N	20	N	300	N	N	.08
KR1025R	10	N	700	70	N	30	N	500	N	N	.06
KR1026R	10	N	500	50	N	30	N	200	N	N	.06
KR1027R	10	N	500	70	N	30	N	200	N	N	.50
KR1028R	10	N	700	70	N	30	N	300	N	N	.64
KR1029R	<5	N	200	20	N	20	N	200	N	N	.34
KR1030R	N	N	<100	30	N	30	N	300	N	.15	.30
KR1031R	N	N	<100	30	N	10	N	150	N	N	.08
KR1032R	N	N	1,000	20	N	20	N	N	N	.10	.72
KR1033R	10	N	700	100	N	30	N	200	N	N	.14
KR1034R	7	N	700	50	N	30	N	500	N	N	.06
KR1035R	10	N	700	70	N	20	N	200	N	N	.02
KR1036R	7	N	500	50	N	20	N	200	N	N	.04
KR1037R	5	N	200	20	N	30	N	200	N	N	.04
KR1038R	5	N	300	50	N	30	N	200	N	N	.02
KR1039R	<5	N	300	15	N	30	N	150	N	N	.06
KR1040R	10	N	500	70	N	30	N	200	N	N	.34
KR1041R	<5	N	<100	20	N	20	N	200	N	N	.14
KR1042R	N	N	<100	10	N	20	N	100	N	N	.04
KR1043R	N	N	<100	15	N	20	N	150	N	N	.24
KR1044R	N	N	200	20	N	20	N	200	N	N	.16
KR1045R	<5	N	N	<10	N	50	N	500	N	N	.30
KR1046R	7	N	500	50	N	20	N	200	N	N	.08
KR1047R	10	N	700	100	N	30	N	200	N	N	.50
KR1048R	10	N	500	70	N	20	N	200	N	N	.16
KR1049R	10	N	500	100	N	20	N	150	N	N	.60
KR1050R	N	N	<100	50	N	15	N	150	N	.05	.20

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	F-ppm si	U-inst
KR1006R	--	40	5	.8	N	4	.80	16.0	N	.70
KR1007R	--	10	25	N	N	2	1.60	3.5	N	.40
KR1008R	--	5	35	N	N	2	.20	1.5	200	.15
KR1009R	--	10	55	N	N	2	.60	2.5	200	.25
KR1010R	--	N	45	N	N	N	.40	2.0	200	.15
KR1011R	--	N	20	N	N	N	.40	1.5	100	.40
KR1012R	--	N	20	N	N	N	3.60	2.5	100	.15
KR1013R	--	5	35	N	N	4	.60	2.0	100	.30
KR1014R	--	N	30	N	N	N	.40	1.0	100	.15
KR1015R	--	N	45	N	N	N	.20	1.0	200	.20
KR1016R	--	N	35	N	N	N	.80	2.0	100	.30
KR1017R	--	N	20	N	N	N	1.00	.5	100	.15
KR1018R	--	N	30	N	N	N	.60	2.5	200	.10
KR1019R	--	N	45	N	N	N	.80	1.0	100	.40
KR1020R	--	N	25	N	N	N	.60	2.0	200	.30
KR1021R	--	<5	50	N	N	N	2.40	7.5	200	.15
KR1022R	--	N	45	N	N	N	.60	2.0	500	.15
KR1023R	--	N	25	N	N	N	.60	2.0	400	.05
KR1024R	--	N	60	N	N	N	.60	1.5	400	.35
KR1025R	--	N	45	N	N	N	.60	2.5	400	.10
KR1026R	--	N	30	N	N	N	.40	2.0	200	.15
KR1027R	--	N	30	N	N	N	.60	2.0	400	.10
KR1028R	--	N	15	N	N	N	2.40	2.5	400	10.00
KR1029R	--	N	50	N	N	N	.60	2.0	200	.10
KR1030R	--	20	40	N	N	N	1.80	6.0	200	.40
KR1031R	--	<5	N	N	N	N	1.20	1.5	200	.10
KR1032R	--	<5	N	.5	N	N	.40	3.0	200	.30
KR1033R	--	N	50	N	N	N	.40	2.5	500	.15
KR1034R	--	N	55	N	N	N	.20	1.5	200	.15
KR1035R	--	5	45	N	N	N	.20	1.5	300	.20
KR1036R	--	N	35	N	N	N	.20	1.0	300	.25
KR1037R	--	N	45	N	N	N	.60	2.5	N	.15
KR1038R	--	N	35	N	N	N	.30	3.0	300	.20
KR1039R	--	N	10	N	N	N	.60	3.0	200	.05
KR1040R	--	N	45	N	N	N	.20	2.0	300	.10
KR1041R	--	N	30	N	N	N	.60	1.0	200	.30
KR1042R	--	N	25	N	N	N	.40	1.0	100	.30
KR1043R	--	<5	35	N	N	N	.60	1.5	200	.55
KR1044R	--	N	35	N	N	N	.60	1.0	100	.30
KR1045R	--	N	50	N	N	N	.80	2.5	N	.15
KR1046R	--	N	50	N	N	N	.40	1.5	300	.45
KR1047R	--	N	10	N	N	N	8.80	2.0	300	.50
KR1048R	--	N	50	N	N	N	.60	1.0	300	.20
KR1049R	--	5	50	N	N	N	.60	5.5	300	.15
KR1050R	--	30	40	N	N	N	4.40	7.0	100	.35

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR1051R	33 23 34	113 57 35	1.50	.50	.05	.150	300	.7	N	N	20	700
KR1052R	33 23 34	113 57 35	1.00	.15	<.05	.100	70	10.0	N	N	30	500
KR1053R	33 23 34	113 57 35	.70	.05	<.05	.100	10	20.0	N	N	30	500
KR1054R	33 23 38	113 57 51	5.00	1.00	1.50	.700	1,000	N	N	N	15	1,500
KR1055R	33 23 38	113 57 51	5.00	1.50	1.50	.500	700	N	N	N	15	1,000
KR1056R	33 24 4	114 0 6	10.00	5.00	5.00	1.000	1,000	N	N	N	10	700
KR1057R	33 23 59	113 59 42	3.00	1.00	1.00	.300	500	N	N	N	50	1,500
KR1058R	33 23 59	113 59 42	2.00	1.00	1.00	.300	500	N	N	N	100	1,500
KR1059R	33 24 54	113 59 52	2.00	1.00	1.50	.500	500	N	N	N	50	1,500
KR1060R	33 25 6	113 59 55	2.00	1.00	1.50	.500	700	N	N	N	50	2,000
KR1061R	33 25 6	113 59 55	3.00	.50	1.00	.500	300	N	N	N	20	1,000
KR1062P	33 25 24	114 0 16	5.00	1.00	1.50	.500	700	N	N	N	20	1,500
KR1063R	33 25 19	114 0 57	10.00	10.00	3.00	1.000	1,000	N	N	N	20	200
KR1064R	33 25 19	114 0 57	10.00	10.00	2.00	1.000	1,000	N	N	N	20	1,000
KR1065R	33 22 42	114 2 49	3.00	2.00	1.00	.300	1,000	N	N	N	20	1,500
KR1066R	33 22 41	114 2 37	5.00	1.00	1.50	.500	700	N	N	N	30	1,500
KR1067R	33 22 53	114 2 42	7.00	1.50	2.00	.700	500	N	N	N	30	1,500
KR1068R	33 22 53	114 2 42	3.00	1.00	1.50	.500	500	N	N	N	50	1,500
KR1069R	33 23 8	114 2 34	3.00	1.00	1.00	.500	1,000	N	N	N	50	1,500
KR1070R	33 23 7	114 2 8	5.00	1.50	1.50	.500	700	N	N	N	50	1,500
KR1071R	33 23 30	114 3 0	5.00	1.00	.50	.500	500	<.5	N	N	30	1,500
KR1072R	33 23 30	114 3 0	5.00	1.00	2.00	.500	700	N	N	N	20	1,500
KR1073R	33 23 57	114 4 35	1.50	.50	.50	.150	500	N	N	N	50	1,500
KR1074R	33 24 37	114 4 39	2.00	.50	.70	.500	500	N	N	N	50	1,500
KR1075R	33 24 48	114 2 15	5.00	2.00	1.50	.500	1,000	N	N	N	50	1,500
KR1076R	33 26 59	114 0 1	5.00	1.00	.50	.500	700	N	N	N	70	700
KR1077R	33 26 48	113 59 42	1.00	.50	.50	.100	500	N	N	N	150	200
KR1078R	33 26 53	114 0 44	2.00	.50	1.00	.100	500	N	N	N	30	200
KR1079R	33 26 31	114 0 47	3.00	1.00	1.50	.500	1,000	N	N	N	30	2,000
KR1080R	33 26 11	114 0 58	7.00	3.00	3.00	1.000	500	N	N	N	30	1,500
KR1081R	33 23 30	114 3 0	2.00	.70	.20	.200	500	10.0	N	N	50	1,000
KR1082R	33 23 30	114 3 0	2.00	.50	.15	.300	100	10.0	N	N	30	1,500
KR1083R	33 25 50	114 1 0	3.00	1.00	1.50	.500	500	N	N	N	20	1,500
KR1084R	33 25 56	114 0 47	5.00	.50	1.50	.700	2,000	N	N	N	10	2,000
KR1085R	33 25 56	114 0 47	3.00	.50	1.50	.700	100	N	N	N	30	2,000
KR1086R	33 25 49	114 0 20	5.00	1.00	1.50	.500	300	N	N	N	20	2,000
KR1087R	33 26 6	113 59 56	5.00	.70	1.50	.500	700	N	N	N	20	1,500
KR1088R	33 26 31	114 1 17	3.00	.70	1.50	.150	700	N	N	N	10	2,000
KR1089R	33 26 31	114 1 17	1.00	.10	.50	.050	200	N	N	N	15	1,000
KR1090R	33 24 44	114 3 51	3.00	.50	1.00	.500	700	N	N	N	50	2,000
KR1091R	33 24 53	114 4 4	5.00	1.00	.70	.500	1,000	N	N	N	20	2,000
KR1092R	33 24 39	114 1 45	3.00	.70	1.00	.300	500	N	N	N	30	1,000
KR1093R	33 24 39	114 1 45	5.00	1.50	1.00	.500	500	N	N	N	20	1,500
KR1094R	33 25 2	114 0 58	3.00	.50	1.00	.500	500	N	N	N	20	1,000
KR1095R	33 23 41	114 3 9	3.00	.70	.30	.300	150	.5	N	N	30	2,000

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR1051R	2.0	N	N	5	<10	7	<20	N	N	10	20	N
KR1052R	2.0	N	N	5	N	7	N	N	N	5	30	N
KR1053R	2.0	N	N	5	N	N	N	N	N	<5	15	N
KR1054R	1.5	N	N	15	15	10	70	N	N	15	30	N
KR1055R	1.0	N	N	10	10	<5	70	N	N	7	10	N
KR1056R	N	N	N	70	200	150	100	N	N	200	N	N
KR1057R	1.5	N	N	5	10	5	150	N	<20.0	15	70	N
KR1058R	2.0	N	N	5	<10	<5	150	<5	<20.0	10	70	N
KR1059R	2.0	N	N	7	N	<5	100	N	<20.0	<5	50	N
KR1060R	2.0	N	N	7	N	<5	100	N	<20.0	<5	50	N
KR1061R	1.5	N	N	10	<10	10	50	N	N	5	20	N
KR1062R	1.0	N	N	15	10	7	50	N	N	15	20	N
KR1063R	N	N	N	70	300	20	50	N	N	150	10	N
KR1064R	<1.0	N	N	50	200	N	N	N	N	100	N	N
KR1065R	1.5	N	N	15	10	10	50	N	N	20	30	N
KR1066R	1.5	N	N	7	<10	<5	70	N	N	5	50	N
KR1067R	1.5	N	N	15	10	7	70	N	N	7	50	N
KR1068R	2.0	N	N	10	N	5	100	N	N	5	50	N
KR1069R	2.0	N	N	5	N	<5	50	N	N	<5	50	N
KR1070R	1.5	N	N	7	N	10	70	N	N	<5	70	N
KR1071R	1.5	N	N	15	10	7	70	10	N	15	30	N
KR1072R	1.5	N	N	10	<10	5	100	N	<20.0	10	30	N
KR1073R	3.0	N	N	5	N	N	70	N	20.0	<5	30	N
KR1074R	1.5	N	N	5	N	N	70	N	N	<5	50	N
KR1075R	1.5	N	N	15	10	20	70	N	N	15	50	N
KR1076R	1.0	N	N	15	15	10	100	10	N	20	50	N
KR1077R	3.0	N	N	5	N	<5	<20	N	<20.0	5	70	N
KR1078R	1.5	N	N	7	10	5	50	N	20.0	7	20	N
KR1079R	1.0	N	N	10	N	7	70	N	N	5	50	N
KR1080R	1.0	N	N	30	150	50	100	N	N	50	50	N
KR1081R	2.0	N	N	10	<10	15	<20	15	N	20	30	N
KR1082R	<1.0	N	N	5	<10	7	<20	100	N	5	30	N
KR1083R	2.0	N	N	7	<10	5	70	N	N	7	50	N
KR1084R	1.0	N	N	15	10	7	70	N	N	7	30	N
KR1085R	1.5	N	N	15	10	5	100	N	<20.0	5	30	N
KR1086R	1.5	N	N	15	10	7	70	20	N	15	50	N
KR1087R	2.0	N	N	10	<10	5	70	N	N	7	50	N
KR1088R	1.5	N	N	10	<10	N	50	N	N	5	30	N
KR1089R	1.5	N	N	7	N	<5	N	N	N	<5	15	N
KR1090R	1.5	N	N	7	<10	<5	70	N	N	7	50	N
KR1091R	1.5	N	N	15	10	7	100	N	<20.0	10	50	N
KR1092R	2.0	N	N	10	<10	5	50	N	N	7	30	N
KR1093R	1.0	N	N	15	<10	5	70	N	N	10	50	N
KR1094R	1.0	N	N	10	<10	7	70	N	N	7	30	N
KR1095R	1.0	N	N	5	<10	7	70	15	N	<5	30	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sp-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KR1051R	N	N	<100	20	N	15	N	100	N	.10	.10
KR1052R	N	N	N	30	N	10	N	100	N	10.00	.12
KR1053R	N	N	N	15	N	10	N	150	N	2.40	.10
KR1054R	10	N	500	100	N	20	N	150	N	N	.34
KR1055R	7	N	200	70	N	15	N	150	N	N	.18
KR1056R	30	N	1,000	200	N	30	N	150	N	N	.04
KR1057R	7	N	200	50	N	50	N	200	N	N	.20
KR1058R	7	N	300	30	N	50	N	200	N	N	.66
KR1059R	7	N	1,000	50	N	30	N	200	N	N	.18
KR1060R	7	N	1,000	50	N	30	N	200	N	N	.08
KR1061R	7	N	300	70	<50	20	N	200	N	N	.08
KR1062R	10	N	500	70	N	30	N	200	N	N	.06
KR1063R	50	N	1,000	200	N	50	N	150	N	N	.06
KR1064R	30	N	700	200	N	50	N	150	N	N	.06
KR1065R	10	N	300	50	N	30	N	200	N	N	.20
KR1066R	7	N	500	70	N	20	N	200	N	N	.26
KR1067R	10	N	700	100	N	30	N	200	N	N	.16
KR1068R	7	N	700	70	N	30	N	200	N	N	.14
KR1069R	5	N	500	50	N	20	N	300	N	N	.10
KR1070R	7	N	500	70	N	30	N	300	N	N	.08
KR1071R	7	N	300	70	N	20	N	200	N	N	.64
KR1072R	10	N	500	100	N	30	N	150	N	N	.50
KR1073R	N	N	<100	10	N	20	N	100	N	N	.06
KR1074R	<5	N	300	30	N	20	N	200	N	N	.08
KR1075R	10	N	700	100	N	30	N	200	N	N	.26
KR1076R	10	N	150	50	N	30	N	150	N	N	.08
KR1077R	N	N	200	10	N	20	N	50	N	N	.04
KR1078R	N	N	N	10	N	30	N	150	N	N	.02
KR1079R	7	N	500	50	N	30	N	200	N	N	N
KR1080R	20	N	1,000	150	N	30	N	150	N	N	N
KR1081R	5	N	200	50	N	10	N	150	N	7.10	.02
KR1082R	5	N	200	100	N	10	N	150	N	N	.14
KR1083R	7	N	1,000	70	N	10	N	150	N	N	.16
KR1084R	10	N	500	70	N	30	N	150	N	N	.02
KR1085R	10	N	500	100	N	30	N	200	N	N	.04
KR1086R	10	N	500	100	N	30	N	150	N	N	N
KR1087R	10	N	500	100	N	20	N	150	N	N	.02
KR1088R	7	N	1,000	100	N	30	N	100	N	N	N
KR1089R	N	N	700	15	N	N	N	10	N	N	N
KR1090R	7	N	500	50	N	30	N	150	N	N	.16
KR1091R	10	N	500	70	N	30	N	200	N	N	.06
KR1092R	5	N	300	50	N	20	N	150	N	N	.60
KR1093R	10	N	300	100	N	30	N	200	N	N	.92
KR1094R	10	N	200	50	N	20	N	150	N	N	.08
KR1095R	7	N	300	50	N	15	N	200	N	<.05	.26

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Ri-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	F-ppm si	U-inst
KR1051R	--	20	35	N	N	N	1.80	5.0	100	.10
KR1052R	--	60	15	N	N	N	22.00	5.0	N	.20
KR1053R	--	30	10	N	N	N	2.60	5.0	N	.15
KR1054R	--	5	50	N	N	N	.60	3.5	300	.20
KR1055R	--	<5	35	N	N	N	.60	3.5	400	.15
KR1056R	--	N	75	N	N	N	N	.5	400	.20
KR1057R	--	N	25	N	N	N	.80	2.0	300	.55
KR1058R	--	N	10	N	N	N	1.00	3.5	300	.05
KR1059R	--	N	25	N	N	N	.60	2.0	200	.40
KR1060R	--	N	15	N	N	N	1.20	2.0	200	.25
KR1061R	--	5	35	N	N	N	.80	35.0	300	.05
KR1062R	--	N	50	N	N	N	.40	2.0	200	.25
KR1063R	--	N	60	N	N	N	1.0	1.0	300	.15
KR1064R	--	10	45	N	N	N	.20	1.0	300	.20
KR1065R	--	<5	50	N	N	N	1.00	7.0	400	.15
KR1066R	--	N	40	N	N	N	.60	2.5	100	.35
KR1067R	--	N	60	.1	N	N	.40	2.5	400	.20
KR1068R	--	N	40	N	N	N	.40	2.0	300	.05
KR1069R	--	N	40	N	N	N	.60	3.0	100	.10
KR1070R	--	N	35	N	N	N	.40	2.5	100	.10
KR1071R	--	50	50	N	N	N	1.80	7.0	200	.20
KR1072R	--	N	45	N	N	N	.60	2.0	200	.10
KR1073R	--	<5	25	N	N	N	.80	2.0	100	.30
KR1074R	--	N	35	N	N	N	.60	2.5	100	.25
KR1075R	--	N	15	N	N	N	.20	1.5	200	.20
KR1076R	--	5	40	N	N	4	.20	1.0	300	.85
KR1077R	--	N	10	N	N	N	1.60	2.5	100	.45
KR1078R	--	15	40	.1	N	4	1.20	1.0	200	.50
KR1079R	--	N	30	.1	N	2	.40	2.0	300	.35
KR1080R	--	N	50	N	N	2	.40	1.5	300	.30
KR1081R	--	30	50	N	N	4	1.40	4.0	100	.35
KR1082R	--	65	20	N	N	2	2.40	9.5	100	1.70
KR1083R	--	15	35	N	N	4	.20	2.5	200	1.10
KR1084R	--	N	40	.1	N	N	.40	3.0	300	.70
KR1085P	--	N	60	N	N	2	.20	5.5	300	.70
KR1086R	--	N	55	N	N	2	.20	2.0	300	.15
KR1087R	--	5	50	N	N	6	.20	3.0	400	.15
KR1088R	--	N	30	.1	N	30	.40	N	200	.15
KR1089R	--	N	10	N	N	2	.40	N	100	N
KR1090R	--	N	50	N	N	2	.40	2.5	200	.10
KR1091R	--	N	55	N	N	2	.60	1.5	500	.20
KR1092R	--	20	35	.1	N	28	N	1.5	200	.25
KR1093R	--	5	45	.1	N	46	N	2.5	400	.20
KR1094R	--	<5	30	N	N	N	.20	2.0	200	.45
KR1095P	--	25	20	N	N	2	2.60	5.0	200	.20

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR1096R	33 23 41	114 3 9	3.00	.50	.20	.200	50	N	N	30	500
KR1097R	33 23 41	114 3 9	.05	.05	>20.00	.010	2,000	N	N	N	70
KR1098R	33 21 48	114 1 44	3.00	.20	.20	.300	100	<.5	N	20	1,500
KR1099R	33 21 44	114 1 44	1.50	.30	.20	.500	500	N	N	30	1,000
KR1100R	33 21 44	114 1 44	5.00	1.50	1.00	.500	500	N	N	20	1,500
KR1101R	33 22 4	114 1 10	5.00	.70	1.00	.500	1,000	N	N	30	2,000
KR1102R	33 22 20	114 1 30	5.00	1.00	1.50	.500	500	N	N	20	1,500
KR1103R	33 22 20	114 1 30	3.00	.70	.50	.300	1,000	N	N	20	1,500
KR1104R	33 22 20	114 1 30	.50	.15	>20.00	.010	>5,000	N	N	N	70
KR1105R	33 18 32	114 3 12	3.00	1.00	1.00	.300	500	N	N	50	1,500
KR1106R	33 18 48	114 3 33	3.00	1.50	1.50	.300	500	N	N	50	1,500
KR1107R	33 19 11	114 4 6	5.00	1.00	2.00	.500	700	N	N	30	2,000
KR1108R	33 19 11	114 4 6	5.00	2.00	2.00	.700	300	.5	N	50	1,500
KR1109R	33 19 42	114 4 55	3.00	1.00	1.00	.500	500	N	N	30	1,500
KR1110R	33 18 35	114 5 33	2.00	.70	1.00	.300	500	N	N	100	1,500
KR1111R	33 18 35	114 5 33	3.00	1.00	1.50	.300	500	N	N	100	2,000
KR1112R	33 19 17	114 7 0	3.00	1.50	1.50	.300	300	N	N	70	2,000
KR1113R	33 23 28	114 2 48	1.00	.10	1.00	.050	150	10.0	N	20	700
KR1114R	33 23 28	114 2 48	2.00	.70	1.00	.500	500	N	N	70	2,000
KR1115R	33 24 28	114 3 57	7.00	1.50	2.00	.500	1,000	N	N	20	2,000
KR1116R	33 24 28	114 3 57	5.00	3.00	2.00	.700	300	N	N	20	2,000
KR1117R	33 24 21	114 4 58	3.00	1.00	2.00	.500	500	N	N	30	2,000
KR1118R	33 24 21	114 4 58	3.00	1.00	1.50	.500	500	N	N	20	1,500
KR1119R	33 42 53	113 58 51	7.00	2.00	2.00	1.000	5,000	10.0	N	150	5,000
KR1120R	33 42 55	113 59 11	7.00	3.00	5.00	.700	2,000	N	N	10	1,500
KR1121R	33 43 2	113 59 36	5.00	.30	10.00	.500	1,500	N	N	50	>5,000
KR1122R	33 43 16	113 59 56	5.00	.10	3.00	.050	>5,000	1,000	N	100	>5,000
KR1123R	33 43 31	113 59 39	10.00	10.00	7.00	1.000	1,000	5.0	N	50	1,000
KR1124R	33 43 56	113 59 2	10.00	3.00	5.00	1.000	1,000	N	N	30	1,500
KR1125R	33 44 42	113 59 42	3.00	2.00	2.00	.700	700	.5	N	50	2,000
KR1126R	33 44 42	113 59 42	3.00	2.00	2.00	.500	700	N	N	50	1,000
KR1127R	33 44 42	113 59 42	5.00	1.00	1.50	.500	300	150.0	N	200	1,500
KR1128R	33 44 50	113 59 34	5.00	2.00	2.00	1.000	500	2.0	N	50	1,500
KR1129R	33 44 50	113 59 34	3.00	1.50	2.00	.500	200	1.0	N	50	2,000
KR1130R	33 39 38	113 53 36	3.00	.50	.30	.150	>5,000	N	300	70	>5,000
KR1131R	33 40 14	113 53 2	2.00	.50	.30	.300	500	N	N	70	3,000
KR1132R	33 39 43	113 53 1	3.00	2.00	2.00	.500	1,000	N	N	50	2,000
KR1133R	33 38 59	113 52 31	2.00	.50	5.00	.500	2,000	N	N	50	5,000
KR1134R	33 38 59	113 52 31	3.00	1.00	1.50	.500	700	.5	N	30	2,000
KR1135R	33 38 33	113 52 0	2.00	.50	1.00	.200	1,000	.5	N	70	3,000
KR1136R	33 38 33	113 52 0	2.00	.10	2.00	.200	2,000	20.0	N	50	>5,000
KR1137R	33 35 46	113 53 40	5.00	1.00	2.00	.500	300	20.0	N	150	1,000
KR1138R	33 35 46	113 53 40	.20	.05	.07	.030	70	100.0	N	30	>5,000
KR1139R	33 16 11	113 58 8	5.00	3.00	1.50	.700	1,500	20.0	N	50	2,000
KR1140R	33 16 11	113 58 8	5.00	2.00	2.00	.700	2,000	20.0	N	50	2,000

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR1096R	2.0	N	N	5	<10	5	50	5	N	<5	20	N
KR1097R	7.0	N	N	N	N	N	N	N	N	N	N	N
KR1098R	1.5	N	N	5	<10	5	70	N	N	5	20	N
KR1099R	3.0	N	N	5	N	N	70	N	N	5	30	N
KR1100R	1.5	N	N	15	10	7	100	<5	N	10	50	N
KR1101R	1.5	N	N	10	<10	<5	100	N	N	<5	50	N
KR1102R	1.5	N	N	15	10	7	100	N	N	10	30	N
KR1103R	1.5	N	N	10	<10	<5	70	N	N	7	50	N
KR1104R	2.0	N	N	N	N	N	N	N	N	N	10	N
KR1105R	2.0	N	N	15	20	10	70	10	N	50	30	N
KR1106R	1.5	N	N	15	50	20	50	N	N	70	30	N
KR1107R	2.0	N	N	20	50	10	50	N	N	30	20	N
KR1108R	1.5	N	N	20	70	20	50	N	N	50	50	N
KR1109R	1.5	N	N	10	<10	5	70	N	N	10	30	N
KR1110R	2.0	N	N	10	<10	10	50	N	<20.0	10	30	N
KR1111R	1.5	N	N	15	10	10	50	N	N	20	50	N
KR1112R	1.0	N	N	15	20	50	50	20	N	30	30	N
KR1113R	3.0	N	N	5	N	<5	N	10	N	5	10	<100.00
KR1114R	1.5	N	N	10	<10	5	100	<5	<20.0	10	50	N
KR1115R	1.0	N	N	10	10	5	50	N	N	10	20	N
KR1116R	1.0	N	N	20	30	50	50	20	N	70	20	N
KR1117R	1.0	N	N	15	10	10	70	N	N	15	20	N
KR1118R	1.0	N	N	15	10	7	100	20	N	20	20	N
KR1119R	1.0	N	N	50	20	70	150	N	N	50	30	N
KR1120R	1.0	N	N	50	150	10	100	7	N	150	30	N
KR1121R	1.0	N	N	10	100	100	50	N	N	20	20	N
KR1122R	7.0	N	N	N	30	3,000	50	150	N	20	700	N
KR1123R	N	N	N	70	150	150	50	N	N	20	<10	N
KR1124R	<1.0	N	N	30	20	30	100	N	<20.0	20	20	N
KR1125R	1.0	N	N	20	20	15	50	N	N	30	30	N
KR1126R	1.0	N	N	20	30	20	70	N	N	30	30	N
KR1127R	1.5	N	N	15	20	>20,000	150	<5	N	20	70	N
KR1128R	1.5	N	N	20	20	1,000	100	N	N	20	20	N
KR1129R	1.5	N	N	20	30	70	50	N	N	30	20	N
KR1130R	2.0	N	N	N	15	100	70	150	N	20	1,000	200.00
KR1131R	1.0	N	N	5	15	15	70	5	N	20	100	N
KR1132R	1.5	N	N	20	30	30	70	N	N	30	50	N
KR1133R	<1.0	N	N	5	10	30	70	N	N	15	100	N
KR1134R	<1.0	N	N	15	15	20	70	N	N	20	70	N
KR1135R	1.5	N	N	15	10	15	50	N	N	30	50	N
KR1136R	3.0	N	N	5	15	3,000	<20	N	N	5	3,000	N
KR1137R	1.5	N	N	20	20	15	<20	N	N	10	50	N
KR1138R	N	N	<20	5	<10	20,000	N	N	N	<5	500	200.00
KR1139R	1.0	N	N	20	70	50	50	N	N	30	100	N
KR1140R	1.5	N	N	20	50	70	50	N	N	30	150	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KR1096R	5	N	150	70	N	<10	N	200	N	.10	.64
KR1097R	N	N	1,000	<10	N	15	N	N	N	.20	.12
KR1098R	5	N	200	70	N	20	N	200	N	N	.06
KR1099R	N	N	150	15	N	20	N	150	N	N	.04
KR1100R	10	N	500	70	N	30	N	200	N	N	.06
KR1101R	7	N	700	70	N	30	N	200	N	N	.08
KR1102R	10	N	500	100	N	30	N	200	N	N	.08
KR1103R	5	N	500	50	N	20	N	200	N	N	.06
KR1104R	N	N	1,000	30	N	50	N	N	N	N	.40
KR1105R	7	N	500	50	N	30	N	100	N	N	.10
KR1106R	10	N	500	70	N	20	N	150	N	N	.04
KR1107R	15	N	1,500	70	N	20	N	150	N	N	.08
KR1108R	15	N	700	100	N	20	N	150	N	N	N
KR1109R	7	N	500	70	N	20	N	200	N	N	.06
KR1110R	7	N	500	50	N	20	N	100	N	N	.18
KR1111R	7	N	500	50	N	20	N	100	N	N	.04
KR1112R	7	N	1,000	70	N	10	N	100	N	N	.02
KR1113R	N	N	N	20	N	<10	N	50	N	2.50	.32
KR1114R	7	N	500	50	N	30	N	150	N	N	.06
KR1115R	5	N	500	30	N	20	N	500	N	N	.04
KR1116R	15	N	1,000	100	N	20	N	150	N	N	.06
KR1117R	7	N	500	50	N	20	N	200	N	N	.06
KR1118R	10	N	500	70	N	20	N	200	N	N	.10
KR1119R	20	N	2,000	150	N	30	500	150	N	N	.14
KR1120R	20	N	1,000	100	N	30	N	150	N	N	.04
KR1121R	15	N	5,000	70	N	15	N	50	N	N	.10
KR1122R	N	N	5,000	200	N	10	200	N	N	N	.04
KR1123R	50	N	1,000	200	N	30	N	100	N	N	.10
KR1124R	20	N	700	300	N	50	<200	200	N	N	.06
KR1125R	10	N	700	100	N	20	N	150	N	N	.04
KR1126R	15	N	700	100	N	20	N	150	N	N	.06
KR1127R	7	N	500	100	N	30	N	100	N	N	.52
KR1128R	10	N	700	100	N	30	N	200	N	N	.06
KR1129R	10	N	500	70	N	20	N	150	N	N	.06
KR1130R	5	N	2,000	100	N	10	1,000	100	N	<.05	.08
KR1131R	7	N	500	70	N	15	<200	100	N	<.05	.04
KR1132R	10	N	1,000	100	N	15	N	150	N	N	.04
KR1133R	10	N	200	100	N	15	<200	100	N	N	.08
KR1134R	10	N	700	100	N	15	N	150	N	N	.04
KR1135R	7	N	500	70	N	15	N	150	N	N	.06
KR1136R	5	N	<100	150	N	10	200	100	N	N	.04
KR1137R	15	N	200	100	N	50	N	150	N	N	.10
KR1138R	N	N	500	15	N	10	200	70	N	N	.20
KR1139R	15	N	200	100	N	30	N	300	N	.30	.48
KR1140R	15	N	200	100	N	20	N	200	N	1.80	1.10

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	P-ppm si	U-inst
KR1096R	--	40	5	N	N	2	4.00	6.5	200	.20
KR1097R	--	<5	5	.1	N	N	N	3.0	N	.05
KR1098R	--	50	30	N	N	2	3.20	10.0	100	.20
KR1099R	--	5	45	N	N	N	1.80	2.5	100	.30
KR1100R	--	5	50	.1	N	2	.20	2.0	200	.05
KR1101R	--	N	75	.1	N	2	.20	2.5	200	.15
KR1102R	--	N	60	.1	N	N	N	1.5	N	.10
KR1103R	--	N	60	N	N	2	1.00	3.0	200	.20
KR1104R	--	5	N	.2	N	2	1.00	1.0	N	.15
KR1105R	--	N	30	N	N	N	1.00	1.5	300	.35
KR1106R	--	N	45	N	N	N	N	1.0	200	.40
KR1107R	--	N	40	.1	N	2	.20	N	200	.40
KR1108R	--	N	75	.2	N	N	.60	2.0	300	.15
KR1109R	--	N	55	.2	N	N	.60	2.0	200	.30
KR1110R	--	N	25	N	N	N	1.20	2.0	200	.40
KR1111R	--	N	30	N	N	N	1.20	2.0	100	.05
KR1112R	--	N	50	N	N	N	N	.5	N	.05
KR1113R	--	20	20	N	N	2	1.80	2.0	N	.10
KR1114R	--	N	45	N	N	N	1.00	2.5	100	.40
KR1115R	--	N	50	N	N	2	.20	1.5	300	.10
KR1116R	--	N	55	.1	N	N	1.00	1.0	200	.35
KR1117R	--	N	55	.2	N	2	.80	2.5	300	.30
KR1118R	--	N	35	.2	N	2	.60	2.5	200	.40
KR1119R	--	5	300	.2	N	2	3.00	1.5	500	.30
KR1120R	--	<5	90	.2	N	2	N	1.0	500	.20
KR1121R	--	10	5	.4	N	8	.60	1.0	200	1.80
KR1122R	--	1,200	160	.4	N	210	19.00	8.0	200	.10
KR1123R	--	N	65	N	N	N	N	.5	200	.10
KR1124R	--	N	180	.1	N	N	.60	.5	500	.10
KR1125R	--	N	110	.1	N	N	.60	.5	300	3.30
KR1126R	--	N	50	.2	N	N	3.00	.5	100	.05
KR1127R	--	25	55	.2	N	N	1.40	N	100	.20
KR1128R	--	N	170	.1	N	N	.80	.5	200	.10
KR1129R	--	N	90	.1	N	2	.80	1.0	200	1.70
KP1130R	--	350	420	.2	N	280	24.00	7.5	400	.05
KR1131R	--	<5	150	.1	N	6	1.40	1.0	200	.05
KR1132R	--	N	15	N	N	N	.60	1.5	100	.20
KR1133R	--	<5	110	.4	N	N	3.80	1.0	100	.05
KR1134R	--	5	120	N	N	8	1.40	1.0	600	1.80
KR1135R	--	5	85	.3	N	2	1.20	1.0	200	.15
KR1136R	--	210	160	.4	N	6	1.40	3.0	100	.40
KR1137R	--	N	60	.1	N	4	1.20	1.0	200	.70
KR1138R	--	160	140	3.0	N	130	N	1.0	N	.70
KR1139R	--	20	300	N	N	2	3.30	6.5	400	.30
KR1140R	--	15	140	N	N	4	2.90	6.0	400	.30

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Hg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR1141R	33 20 22	114 1 52	5.00	.70	2.00	.500	700	N	N	N	50	3,000
KR1142R	33 19 25	114 0 22	3.00	.70	.50	.300	700	N	N	N	30	2,000
KR1143R	33 19 25	114 0 22	3.00	1.00	1.00	.200	500	N	N	N	50	2,000
KR1144R	33 8 27	113 48 39	2.00	.50	1.00	.150	700	N	N	N	70	2,000
KR1145R	33 25 0	113 51 44	3.00	1.50	1.50	.200	500	N	N	N	70	3,000
KR1146R	33 25 0	113 51 44	2.00	1.00	1.50	.300	700	N	N	N	50	3,000
KR1147R	33 24 32	113 50 55	10.00	5.00	5.00	1.000	1,000	N	N	N	20	1,500
KR1148R	33 24 24	113 51 17	10.00	5.00	5.00	1.000	1,000	N	N	N	20	1,500
KR1149R	33 24 21	113 51 18	10.00	5.00	7.00	1.000	1,000	N	N	N	30	1,500
KR1150R	33 23 5	114 2 28	3.00	1.50	1.50	.500	700	N	N	N	30	2,000
KR1151R	33 23 3	114 2 34	5.00	1.50	1.50	.500	500	N	N	N	30	2,000
KR1152R	33 24 15	114 1 28	5.00	1.50	2.00	.700	700	N	N	N	20	2,000
KR1153R	33 24 12	114 1 23	5.00	1.50	2.00	.700	700	N	N	N	30	2,000
KR1154R	33 25 3	114 4 42	2.00	.70	.50	.200	500	N	N	N	20	1,500
KR1155R	33 25 3	114 4 42	2.00	.70	1.00	.300	700	N	N	N	50	2,000
KR1156R	33 25 3	114 4 42	2.00	1.50	1.00	.300	500	N	N	N	10	1,000
KR1157R	33 27 51	114 4 26	3.00	1.00	1.00	.300	700	N	N	N	70	2,000
KR1158R	33 38 59	113 52 31	1.00	.10	.50	.005	>5,000	N	1,000	N	100	>5,000
KR1159R	33 38 33	113 52 0	2.00	.70	20.00	.070	>5,000	30.0	N	N	30	>5,000
KR1160R	33 38 33	113 52 0	3.00	.05	.05	.200	300	2.0	N	N	30	5,000
KR1161R	33 38 33	113 52 0	5.00	.70	20.00	.100	>5,000	20.0	N	N	70	1,500
KR1162R	33 35 46	113 53 40	.20	.05	.50	.070	200	15.0	N	N	50	200
KR1163R	33 36 29	113 54 10	3.00	.10	1.00	.150	150	.5	N	N	20	300
KR1164R	33 36 29	113 54 10	2.00	.10	.70	.100	100	N	N	N	50	500
KR1165R	33 36 29	113 54 10	10.00	5.00	.10	1.000	1,000	.5	N	N	10	2,000
KR1166R	33 36 42	113 54 21	1.50	.15	.15	.200	100	20.0	N	N	50	1,500
KR1167R	33 33 44	113 46 52	7.00	3.00	2.00	.700	1,000	N	N	N	20	3,000
KR1168R	33 34 2	113 51 21	3.00	1.50	1.50	.500	700	N	N	N	30	2,000
KR1169R	33 34 2	113 51 21	5.00	1.00	1.50	.500	700	N	N	N	30	2,000
KR1170R	33 34 2	113 51 21	5.00	1.50	2.00	.500	700	N	N	N	30	2,000
KR1171R	33 34 3	113 51 2	10.00	3.00	3.00	1.000	2,000	N	N	N	100	3,000
KR1172R	33 34 3	113 51 2	10.00	5.00	2.00	1.000	2,000	N	N	N	500	5,000
KR1173R	33 34 3	113 51 2	10.00	5.00	2.00	1.000	2,000	N	N	N	500	5,000
KR1174R	33 34 58	113 52 0	7.00	7.00	2.00	1.000	1,000	<.5	N	N	10	N
KR1175R	33 35 31	113 53 52	1.50	.30	.70	.150	500	N	N	N	30	1,500
KR1176R	33 35 31	113 53 52	2.00	.50	.70	.150	500	N	N	N	50	1,500
KR1177R	33 35 1	113 58 56	10.00	5.00	2.00	.700	1,000	N	N	N	10	700
KR1178R	33 36 54	114 0 23	3.00	.70	1.00	.200	700	N	N	N	20	2,000
KR1179R	33 37 45	113 58 42	5.00	2.00	2.00	.150	1,500	100.0	N	N	100	>5,000
KR1180R	33 37 45	113 58 42	2.00	.50	>20.00	.020	>5,000	50.0	N	N	N	>5,000
KR1181R	33 37 45	113 58 42	7.00	2.00	.50	.500	3,000	100.0	N	N	20	1,500
KR1182R	33 37 45	113 58 42	2.00	<.02	1.00	.002	200	N	N	N	N	70
KR1183R	33 37 45	113 58 42	7.00	2.00	.50	.500	2,000	100.0	N	N	10	1,500
KR1184R	33 38 45	114 4 53	1.00	.05	.05	.070	70	N	N	N	10	1,000
KR1185R	33 38 45	114 4 53	1.00	.03	<.05	.050	50	N	N	N	15	500

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR1141R	1.5	N	N	10	<10	7	100	N	N	10	50	N
KR1142R	2.0	N	N	7	10	7	100	N	N	10	50	N
KR1143R	2.0	N	N	5	<10	5	70	N	<20.0	7	50	N
KR1144R	3.0	N	N	5	N	N	100	N	20.0	5	50	N
KR1145R	2.0	N	N	10	10	7	50	N	N	15	50	N
KR1146R	1.5	N	N	10	10	10	100	N	N	10	50	N
KR1147R	1.0	N	N	50	70	100	100	N	N	50	20	N
KR1148R	1.0	N	N	50	100	100	100	N	N	50	20	N
KR1149R	1.0	N	N	50	100	100	70	N	N	30	15	N
KR1150R	1.5	N	N	7	<10	5	70	N	<20.0	<5	70	N
KR1151R	1.5	N	N	10	10	5	100	N	<20.0	<5	50	N
KR1152R	1.5	N	N	10	10	7	100	<5	<20.0	7	50	N
KR1153R	1.5	N	N	10	10	7	100	N	<20.0	5	50	N
KR1154R	1.5	N	N	5	N	N	70	N	N	<5	70	N
KR1155R	1.5	N	N	5	<10	<5	100	N	<20.0	<5	70	N
KR1156R	1.0	N	N	5	<10	5	70	N	N	<5	30	N
KR1157R	2.0	N	N	5	<10	5	100	N	20.0	<5	50	N
KR1158R	5.0	N	N	N	N	500	N	700	N	<5	10,000	N
KR1159R	3.0	N	20	10	N	700	50	<5	N	20	20,000	N
KR1160R	1.0	N	N	5	<10	100	50	N	N	<5	1,500	N
KR1161R	3.0	N	100	20	<10	1,500	70	10	N	50	20,000	N
KR1162R	N	N	N	5	N	5	N	N	N	5	50	N
KR1163R	2.0	N	N	<5	50	<5	<20	N	20.0	5	20	N
KR1164R	1.5	N	N	<5	N	<5	50	N	20.0	5	20	N
KR1165R	1.0	N	N	70	500	70	<20	<5	N	200	20	N
KR1166R	2.0	N	N	5	N	5,000	100	N	N	5	15	N
KR1167R	1.0	N	N	30	100	100	100	N	N	70	20	N
KR1168R	1.5	N	N	20	20	20	70	N	N	30	50	N
KR1169R	1.0	N	N	20	20	20	70	N	N	30	50	N
KR1170R	1.5	N	N	20	20	15	50	N	N	30	30	N
KR1171R	1.5	N	N	50	20	100	150	N	<20.0	50	100	N
KR1172R	1.0	N	N	50	20	100	200	N	<20.0	30	150	N
KR1173R	1.0	N	N	50	20	100	150	N	N	50	150	N
KR1174R	1.0	N	N	50	200	50	N	N	N	100	<10	N
KR1175R	2.0	N	N	5	N	5	70	N	<20.0	10	50	N
KR1176R	1.5	N	N	5	N	5	100	<5	N	7	50	N
KR1177R	N	N	N	70	200	100	N	N	N	100	N	N
KR1178R	2.0	N	N	15	<10	5	<20	N	N	7	15	N
KR1179R	3.0	N	<20	10	<10	50	N	5	N	7	7,000	N
KR1180R	7.0	N	200	N	N	150	N	N	N	N	20,000	N
KR1181R	10.0	N	N	30	50	30	50	5	<20.0	70	1,000	N
KR1182R	<1.0	N	N	5	N	N	N	N	<20.0	5	N	N
KR1183R	3.0	N	N	30	70	15	50	<5	<20.0	70	700	N
KR1184R	1.5	N	N	<5	N	N	<20	N	N	<5	N	N
KR1185R	1.0	N	N	<5	N	<5	<20	N	N	<5	N	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KR1141R	7	N	1,000	50	N	30	N	500	N	.15	.02
KR1142R	7	N	300	50	N	30	N	200	N	.05	.04
KR1143R	5	N	300	30	N	30	N	200	N	.15	<.02
KR1144R	<5	N	500	15	N	30	N	150	N	<.05	<.02
KR1145R	5	N	700	30	N	20	N	100	N	N	.04
KR1146R	5	N	700	50	N	20	N	150	N	<.05	.12
KR1147R	30	N	1,000	200	N	50	N	150	N	N	.04
KR1148R	50	N	1,000	200	N	50	N	150	N	N	N
KR1149R	50	N	1,000	200	N	50	N	150	N	.10	.02
KR1150R	10	N	700	70	N	30	N	200	N	N	.06
KR1151R	10	N	700	70	N	30	N	300	N	N	.12
KR1152R	15	N	700	100	N	30	N	300	N	N	2.80
KR1153R	15	N	700	70	N	30	N	200	N	N	.36
KR1154R	<5	N	200	30	N	20	N	200	N	N	.16
KR1155R	<5	N	500	30	N	30	N	150	N	N	.16
KR1156R	5	N	200	30	N	20	N	200	N	N	.18
KR1157R	7	N	200	50	N	50	N	500	N	N	N
KR1158R	N	N	>5,000	500	N	N	1,000	N	N	N	.18
KR1159R	N	N	200	150	N	<10	500	10	N	N	.54
KR1160R	5	N	N	100	N	10	N	100	N	N	.06
KR1161R	<5	N	200	150	N	10	5,000	30	N	N	.42
KR1162R	N	N	N	20	N	<10	N	500	N	N	.04
KR1163R	N	N	<100	30	N	30	N	150	N	.05	.02
KR1164R	N	N	N	30	N	30	N	150	N	N	.02
KR1165R	30	N	<100	200	N	30	<200	100	N	N	.08
KR1166R	N	N	N	200	N	20	N	150	N	.10	.02
KR1167R	20	N	1,500	200	N	30	N	150	N	N	.02
KR1168R	10	N	700	100	N	20	N	200	N	N	.02
KR1169R	10	N	700	100	N	20	N	200	N	N	.02
KR1170R	10	N	1,000	100	N	20	N	200	N	N	N
KR1171R	20	N	1,500	200	N	50	N	500	N	N	.02
KR1172R	20	N	2,000	200	N	50	N	200	N	N	.02
KR1173R	20	N	2,000	200	N	50	300	300	N	N	.08
KR1174R	20	N	200	300	N	30	N	150	N	N	.02
KR1175R	N	N	<100	20	N	20	N	150	N	N	N
KR1176R	N	N	200	20	N	20	N	100	N	N	N
KR1177R	30	N	500	200	N	30	N	150	N	N	N
KR1178R	10	N	300	100	N	20	N	100	N	N	N
KR1179R	5	N	<100	100	N	15	5,000	150	N	N	.10
KE1180R	N	N	1,000	20	N	20	3,000	N	N	N	.34
KR1181R	15	N	200	100	N	20	5,000	200	N	N	.26
KR1182R	N	N	N	10	N	10	N	N	N	11.00	.24
KR1183R	15	N	200	100	N	20	3,000	200	N	N	.24
KE1184R	<5	N	N	10	N	20	N	70	N	N	.02
KR1185R	N	N	N	10	N	15	N	100	N	N	.02

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	F-ppm si	U-inst
KR1141R	--	N	35	N	1	N	.20	1.5	100	.15
KR1142R	--	N	60	N	N	4	1.10	3.0	300	.20
KR1143R	--	N	25	N	N	2	.50	2.5	500	.20
KR1144R	--	N	20	N	1	<2	.70	2.5	100	.60
KR1145R	--	N	25	N	N	<2	.80	1.5	100	.05
KR1146R	--	5	35	N	N	<2	.60	1.5	100	.25
KR1147R	--	5	70	N	N	N	.30	.5	400	.10
KR1148R	--	N	55	N	N	N	.20	1.0	400	.10
KR1149R	--	N	70	N	N	N	.20	.5	300	.20
KR1150R	--	N	50	N	N	N	.50	2.5	200	.05
KR1151R	--	N	50	N	N	N	.40	3.0	200	.10
KR1152R	--	N	50	N	N	N	.40	3.0	200	.15
KR1153R	--	N	70	N	N	N	.50	2.0	200	.15
KR1154R	--	5	40	N	N	2	.90	2.0	200	.20
KR1155R	--	N	45	N	N	<2	.70	2.5	200	.15
KR1156R	--	5	25	N	N	N	1.50	3.0	200	.40
KR1157R	--	5	45	N	N	<2	.90	3.0	400	.70
KR1158R	--	1,500	1,900	.2	N	350	7.80	32.0	200	6.20
KR1159R	--	40	400	8.7	N	14	.40	4.0	200	1.10
KR1160R	--	40	75	1.3	N	2	1.60	4.5	100	.30
KR1161R	--	25	1,600	40.0	N	4	.40	4.5	200	1.80
KR1162R	--	N	10	.6	N	N	.20	.5	N	N
KR1163R	--	5	5	.1	N	N	3.20	1.5	100	.10
KR1164R	--	<5	N	.1	N	N	2.60	1.0	100	.05
KR1165R	--	25	160	.1	N	N	4.00	7.0	700	.10
KR1166R	--	85	5	.5	N	N	2.00	3.0	100	.15
KR1167R	--	N	15	.1	N	N	.40	.5	200	.10
KR1168R	--	N	45	N	N	N	.60	1.0	200	.05
KR1169R	--	N	45	N	N	N	.60	.5	200	.05
KR1170R	--	N	25	N	N	N	2.80	.5	N	.15
KR1171R	--	20	100	N	N	N	1.00	1.5	500	.35
KR1172R	--	30	140	N	N	N	2.20	2.0	700	.25
KR1173R	--	30	210	N	N	N	2.00	1.5	700	.30
KR1174R	--	N	70	N	N	N	N	1.0	300	.05
KR1175R	--	N	10	N	N	N	.60	1.0	100	.15
KR1176R	--	N	N	N	N	N	2.80	3.5	N	.05
KR1177R	--	5	50	N	N	N	N	1.0	700	.40
KR1178R	--	N	20	.1	N	N	.40	.5	100	.10
KR1179R	--	95	2,600	3.9	N	4	.60	4.5	500	1.50
KR1180R	--	320	1,100	94.0	N	14	1.20	7.5	3,500	3.20
KR1181R	--	40	2,600	1.4	N	22	1.80	31.0	1,200	.65
KR1182R	--	N	5	.2	N	N	N	7.0	N	.10
KR1183R	--	15	1,700	1.2	N	N	2.40	27.0	800	.20
KR1184R	--	N	10	N	N	N	.40	5.0	N	.55
KR1185R	--	N	5	N	N	N	.20	4.0	N	.30

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-ppt. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-pptm S	Ag-pptm S	As-pptm S	Au-pptm S	B-pptm S	Ba-pptm S
KR1186R	33 38 45	114 4 53	1.50	.05	.10	.020	150	N	N	N	20	300
KR1187R	33 38 45	114 4 53	.70	.20	20.00	.015	>5,000	200.0	N	N	N	500
KR1188R	33 37 41	114 4 29	10.00	.05	N	.030	300	200.0	N	N	30	150
KR1189R	33 37 41	114 4 29	5.00	.03	N	.002	70	70.0	N	N	20	70
KR1190R	33 37 41	114 4 29	1.50	<.02	N	N	300	200.0	N	N	15	N
KR1191R	33 37 28	114 4 43	15.00	.02	7.00	<.002	100	10.0	N	N	20	N
KR1192R	33 37 28	114 4 43	2.00	.20	5.00	.005	300	1,000.0	N	N	20	50
KR1193R	33 37 28	114 4 43	3.00	3.00	>20.00	.007	2,000	300.0	N	N	N	N
KR1194R	33 37 28	114 4 43	15.00	2.00	20.00	.005	1,500	50.0	N	N	10	N
KR1195R	33 37 28	114 4 43	10.00	.20	10.00	.010	500	200.0	1,000	N	50	N
KR1196R	33 37 24	114 3 47	.70	.10	.07	.100	20	2.0	N	N	100	300
KR1197R	33 37 24	114 3 47	3.00	.10	1.50	.030	50	10.0	N	N	50	50
KR1198R	33 37 24	114 3 47	2.00	.50	5.00	.300	500	1.5	N	N	100	500
KR1199R	33 36 40	114 3 19	.50	.20	.70	.070	100	N	N	N	100	200
KR1200R	33 36 40	114 3 19	5.00	1.50	.10	.500	150	N	N	N	100	1,000
KR1201R	33 33 8	114 5 34	.70	.50	5.00	.050	500	5.0	N	N	200	100
KR1202R	33 33 8	114 5 34	7.00	5.00	10.00	.500	1,500	N	N	N	>2,000	70
KR1203R	33 33 8	114 5 34	5.00	3.00	.20	1,000	50	N	N	N	>2,000	2,000
KR1204R	33 33 8	114 5 34	>20.00	.02	1.00	.002	300	2.0	300	N	70	70
KR1205R	33 33 8	114 5 34	2.00	3.00	20.00	.007	>5,000	.5	N	N	100	50
KR1206R	33 37 24	114 6 31	3.00	.50	.30	.100	700	N	N	N	10	1,500
KR1207R	33 37 24	114 6 31	1.50	.30	N	.150	150	1.5	N	N	50	500
KR1208R	33 37 24	114 6 31	7.00	1.00	N	.150	1,000	3.0	N	N	50	500
KR1209R	33 36 3	114 1 45	20.00	.10	N	<.002	2,000	20.0	N	N	70	N
KR1210R	33 36 3	114 1 45	20.00	10.00	10.00	.007	>5,000	150.0	N	N	50	30
KR1211R	33 35 59	113 54 53	2.00	.10	.10	.150	50	100.0	N	N	50	2,000
KR1212R	33 35 59	113 54 53	1.00	.30	.15	.300	200	10.0	N	N	20	2,000
KR1213R	33 35 55	113 54 58	3.00	.10	.50	.500	1,000	500.0	700	N	100	>5,000
KR1214R	33 38 7	114 6 29	1.00	.10	.50	.100	300	1.0	N	N	30	700
KR1215R	33 38 7	114 6 29	3.00	.07	2.00	.015	2,000	2.0	N	N	20	300
KR1216R	33 42 58	113 45 4	10.00	7.00	7.00	1,000	1,000	.5	N	N	50	1,000
KR1217R	33 42 58	113 45 4	3.00	2.00	1.50	.300	700	N	N	N	50	1,500
KR1218R	33 40 7	113 52 35	2.00	1.00	1.00	.300	700	N	N	N	200	2,000
KR1219R	33 40 45	113 53 32	1.00	.15	3.00	.150	300	N	N	N	30	1,000
KR1220R	33 40 45	113 53 32	5.00	.05	.05	.100	150	70.0	N	N	100	500
KR1221R	33 40 45	113 53 32	1.00	.10	.05	.150	200	20.0	N	N	30	1,000
KR1222R	33 40 45	113 53 32	2.00	.10	<.05	.100	150	30.0	N	N	50	1,000
KR1223R	33 37 3	113 59 15	.70	.50	.70	.150	500	N	N	N	30	1,000
KR1224R	33 37 3	113 59 15	1.00	1.00	.70	.200	200	N	N	N	50	700
KR1225R	33 37 3	113 59 15	1.50	1.00	2.00	.200	700	N	N	N	30	500
KR1226R	33 37 3	113 59 15	3.00	1.00	1.00	.200	500	N	N	N	50	700
KR1227R	33 37 3	113 59 15	1.50	.50	10.00	.050	1,000	N	N	N	30	200
KR1228R	33 37 3	113 59 15	.50	.15	20.00	.015	3,000	N	N	N	N	200
KR1229R	33 37 18	113 59 17	5.00	1.50	1.50	.500	1,000	N	N	N	20	1,000
KR1230R	33 24 20	114 5 18	2.00	1.00	1.50	.200	1,000	N	N	N	10	1,000

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KE1186R	<1.0	N	N	<5	N	5	N	N	N	<5	N	N
KR1187R	2.0	N	N	N	N	N	N	5	N	N	12	N
KR1188R	<1.0	50.00	<20	30	10	10,000	N	15	N	15	10,000	N
KR1189R	N	20.00	<20	5	<10	5,000	N	100	N	5	7,000	N
KR1190R	N	150.00	N	5	N	2,000	N	500	N	<5	>20,000	N
KR1191R	<1.0	N	30	10	10	500	N	5	N	<5	7,000	N
KR1192R	<1.0	<10.00	>500	30	N	20,000	N	<5	N	10	>20,000	N
KR1193R	N	30.00	200	30	N	200	N	10	N	10	>20,000	150.00
KR1194R	N	15.00	30	100	15	100	N	20	N	30	>20,000	N
KR1195R	<1.0	20.00	500	150	10	>20,000	N	100	N	50	>20,000	N
KR1196R	1.0	N	N	<5	N	>20,000	N	10	N	5	100	N
KR1197R	N	N	N	5	<10	20,000	N	5	N	7	30	N
KR1198R	1.5	N	N	10	20	1,000	50	N	N	15	1,500	N
KR1199R	<1.0	N	N	5	N	50	N	N	N	<5	15	N
KR1200R	1.5	N	N	10	20	20	50	N	N	7	30	N
KR1201R	N	N	N	5	N	50	N	N	N	5	20	N
KR1202R	1.0	N	N	20	50	200	100	N	N	20	70	N
KR1203R	2.0	N	N	15	20	150	100	5	N	10	30	N
KR1204R	N	50.00	N	50	N	7,000	N	500	N	15	100	1,000.00
KR1205R	N	N	N	10	N	700	N	20	N	N	50	N
KR1206R	2.0	N	N	5	N	20	50	N	N	<5	30	N
KR1207R	2.0	<10.00	70	5	N	>20,000	N	N	N	<5	500	N
KR1208R	3.0	15.00	N	5	10	700	N	<5	N	<5	1,000	N
KR1209R	1.0	N	300	7	N	50	N	N	N	<5	5,000	N
KR1210R	N	N	>500	15	N	1,500	N	10	N	10	20,000	N
KR1211R	1.5	N	20	5	N	20,000	50	70	N	N	200	N
KR1212R	1.0	N	<20	5	N	200	100	N	N	N	200	N
KR1213R	2.0	N	<20	20	50	>20,000	N	100	N	30	200	N
KR1214R	1.5	N	N	5	N	150	N	N	N	N	150	N
KR1215R	<1.0	N	20	5	N	700	N	10	N	N	5,000	N
KR1216R	<1.0	N	N	70	150	100	70	N	N	150	70	N
KR1217R	1.5	N	N	15	15	15	100	N	N	20	50	N
KR1218R	1.5	N	N	15	<10	50	70	N	N	15	30	N
KR1219R	1.5	N	N	5	N	N	50	N	N	5	30	N
KR1220R	5.0	N	N	5	20	20,000	N	7	N	7	150	N
KR1221R	2.0	N	N	5	N	1,000	50	5	N	5	7,000	N
KR1222R	7.0	N	N	5	<10	2,000	50	N	N	5	150	N
KR1223R	2.0	N	N	5	N	20	70	N	<20.0	<5	30	N
KR1224R	1.0	N	N	5	<10	15	N	N	N	5	10	N
KR1225R	1.0	N	N	7	<10	10	<20	N	N	5	10	N
KR1226R	1.5	N	N	10	10	50	50	N	N	7	<10	N
KR1227R	<1.0	N	N	<5	N	10	N	N	N	5	10	N
KR1228R	N	N	N	N	N	7	N	N	N	N	30	N
KR1229R	1.0	N	N	30	10	100	50	10	N	20	20	N
KR1230R	2.0	N	N	5	N	<5	100	N	N	N	20	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KR1186R	N	N	N	10	N	10	N	70	N	23.00	.08
KR1187R	N	N	700	15	N	N	N	N	N	N	.06
KR1188R	<5	N	<100	15	N	10	1,500	10	N	.15	.42
KR1189R	N	N	10	10	N	10	700	N	N	.15	.14
KR1190R	N	N	<100	10	N	10	200	N	N	.50	.20
KR1191R	N	N	300	10	N	15	500	N	N	N	.42
KR1192R	N	N	200	10	N	50	10,000	N	N	<.05	.18
KR1193R	N	N	2,000	<10	N	30	3,000	N	N	N	.24
KR1194R	N	N	1,500	10	N	30	500	N	N	N	.24
KR1195R	N	N	200	10	N	15	>10,000	N	N	.45	.60
KR1196R	N	N	300	20	N	<10	<200	50	N	N	.12
KR1197R	N	N	N	20	N	<10	<200	<100	N	N	.04
KR1198R	10	N	<100	50	N	30	300	100	N	N	.10
KR1199R	N	N	<100	15	N	10	N	15	N	N	.08
KR1200R	15	N	200	50	N	50	N	150	N	N	.08
KR1201R	N	N	N	15	N	10	N	15	N	.20	.08
KR1202R	15	N	500	50	N	30	N	150	N	N	.06
KR1203R	50	N	300	100	N	100	N	200	N	N	.06
KR1204R	N	N	N	100	200	N	500	N	N	2.70	.12
KR1205R	10	N	300	70	50	70	N	N	N	N	.02
KR1206R	5	N	<100	<10	N	50	N	200	N	N	.08
KR1207R	10	50	<100	15	N	50	5,000	150	N	N	.02
KR1208R	10	N	N	<10	N	100	2,000	150	N	N	.24
KR1209R	N	N	N	10	N	20	>10,000	N	N	N	3.20
KR1210R	N	N	N	10	N	20	>10,000	N	N	N	4.00
KR1211R	5	N	<100	300	N	20	<200	150	N	N	.08
KR1212R	<5	N	<100	50	N	30	N	150	N	N	.04
KR1213R	10	N	500	150	N	10	N	70	N	N	.34
KR1214R	7	N	N	<10	N	50	N	100	N	N	.04
KR1215R	5	N	<100	<10	N	30	500	N	N	2.60	.08
KR1216R	30	N	1,000	150	N	30	N	100	N	.10	.04
KR1217R	10	N	500	70	N	30	N	100	N	N	.10
KR1218R	5	N	500	70	N	20	N	150	N	<.05	.10
KR1219R	<5	N	<100	30	N	20	N	150	N	<.05	.02
KR1220R	N	N	N	100	N	10	N	50	N	N	.48
KR1221R	N	N	N	50	N	15	N	150	N	N	.34
KR1222R	N	N	N	70	N	10	N	100	N	N	.20
KR1223R	N	N	<100	20	N	20	N	200	N	<.05	.04
KR1224R	<5	N	200	50	N	10	N	100	N	N	.02
KR1225R	<5	N	300	50	N	20	N	150	N	N	.04
KR1226R	5	N	200	70	N	20	N	150	N	N	.08
KR1227R	N	N	200	50	N	50	N	100	N	N	.04
KR1228R	N	N	500	10	N	50	N	N	N	N	.10
KR1229R	15	N	200	100	N	30	N	100	N	<.05	.04
KR1230R	10	N	200	20	N	20	N	200	N	<.05	.02

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Pb-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	P-ppm si	U-inst
KR1186R	--	N	15	.2	N	N	.20	7.0	N	.25
KR1187R	--	60	130	3.1	N	N	N	.5	200	.40
KR1188R	--	140	650	5.2	60	52	N	N	N	5.00
KR1189R	--	15	350	5.0	27	16	N	1.5	N	3.20
KR1190R	--	10	100	2.7	130	28	N	1.0	N	3.30
KR1191R	--	250	650	31.0	N	6	N	.5	N	1.10
KR1192R	--	35	>2,000	>100.0	5	32	N	N	100	2.70
KR1193R	--	5	1,100	77.0	17	90	N	1.0	N	1.10
KR1194R	--	15	350	16.0	7	12	N	2.0	N	.60
KR1195R	--	70?	>2,000	>100.0	10	52	N	N	N	2.70
KR1196R	--	5	25	.5	N	2	N	1.5	100	21.00
KR1197R	--	25	45	1.2	N	10	N	.5	N	22.00
KR1198R	--	10	230	2.5	1	2	.60	1.0	300	2.20
KR1199R	--	N	N	.1	N	N	N	N	N	.15
KR1200R	--	N	35	N	N	N	.60	1.5	300	.15
KR1201R	--	N	15	.1	N	N	N	8.0	N	.30
KR1202R	--	5	5	.9	N	10	N	42.0	400	.60
KR1203R	--	N	N	N	1	6	1.80	12.0	300	.30
KR1204P	--	180	200	1.0	130	1,000	N	47.0	N	7.40
KR1205P	--	25	30	1.0	N	20	N	43.0	100	2.60
KR1206R	--	N	35	N	N	2	.60	2.0	100	.45
KR1207R	--	20	1,100	17.0	2	N	.40	N	200	7.60
KR1208R	--	5	900	3.2	10	30	1.00	8.5	400	21.00
KR1209R	--	60	>2,000	>100.0	N	42	1.00	10.5	100	15.00
KR1210R	--	65	>2,000	>100.0	N	12	N	4.0	100	7.30
KR1211R	--	25	35	1.5	N	12	2.00	3.0	100	.35
KR1212R	--	5	40	2.3	N	2	1.80	1.5	100	.20
KR1213R	--	550	20	6.5	N	14	2.40	N	200	4.80
KR1214R	--	N	15	.7	N	2	N	3.5	N	.75
KR1215R	--	5	240	13.0	1	8	N	3.5	N	7.30
KR1216P	--	N	60	N	N	N	N	.5	500	.25
KR1217R	--	N	25	N	N	N	.20	1.5	300	.40
KR1218R	--	N	50	.3	N	5	1.50	1.0	200	.18
KR1219R	--	N	5	N	N	7	2.00	4.0	N	.46
KR1220R	--	35	40	.3	N	37	1.00	N	N	6.20
KR1221R	--	45	15	N	N	10	1.60	1.5	N	1.10
KR1222R	--	10	35	.3	N	10	1.40	4.4	N	1.10
KR1223R	--	N	30	N	N	2	.60	1.0	100	.08
KR1224R	--	N	25	N	N	3	.40	1.0	100	.13
KR1225R	--	30	30	<.1	N	3	.40	1.0	100	.18
KR1226R	--	25	30	N	N	3	.60	4.0	100	.48
KR1227R	--	55	20	.2	N	3	<.20	2.6	200	.48
KR1228R	--	45	10	.8	N	3	1.20	3.6	N	.67
KR1229R	--	N	40	N	N	6	.60	3.0	100	.42
KR1230R	--	11	50	.1	N	3	.80	5.0	N	.49

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR1231R	33 23 30	114 5 23	2.00	.70	.70	.200	700	N	N	N	50	1,000
KR1232R	33 23 13	114 4 44	1.50	.70	.50	.200	500	N	N	N	30	1,000
KR1233R	33 23 13	114 4 44	2.00	1.00	1.00	.300	500	N	N	N	20	1,500
KR1234R	33 19 54	114 9 27	1.00	.20	1.00	.100	500	N	N	N	30	300
KR1235R	33 19 4	114 11 42	2.00	1.00	1.50	.200	500	N	N	N	30	1,500
KR1236R	33 19 4	114 11 42	2.00	1.00	1.00	.300	500	N	N	N	50	1,500
KR1237R	33 20 57	114 11 0	2.00	1.00	1.50	.200	500	N	N	N	30	2,000
KR1238R	33 20 57	114 11 0	1.50	1.00	1.00	.200	300	N	N	N	50	1,500
KR1239R	33 20 14	114 7 43	1.00	.20	1.00	.100	500	N	N	N	70	200
KR1240P	33 18 49	114 8 46	2.00	.30	1.00	.200	500	N	N	N	20	1,500
KR1241R	33 17 54	114 8 50	5.00	2.00	1.50	.500	700	N	N	N	30	1,500
KR1242R	33 23 52	114 3 1	2.00	.50	.50	.150	500	N	N	N	30	700
KR1243R	33 23 51	114 3 6	1.50	.50	7.00	.100	1,000	15.0	N	N	15	500
KR1244R	33 23 47	114 2 51	1.00	.50	1.00	.100	700	N	N	N	50	500
KR1245R	33 21 29	114 4 16	2.00	1.00	1.00	.300	700	N	N	N	50	1,000
KR2000R	33 33 9	114 5 38	7.00	3.00	15.00	.200	2,000	N	N	N	>2,000	N
KR2001R	33 33 9	114 5 38	2.00	.05	.10	.015	30	N	N	N	500	<20
KR2002R	33 33 9	114 5 38	2.00	.10	.10	.500	10	1.0	N	N	1,000	N
KR2003R	33 33 9	114 5 38	7.00	2.00	.30	1.000	300	N	N	N	2,000	700
KR2004R	33 33 9	114 5 38	>20.00	.20	.05	.050	50	7.0	500	N	>2,000	N
KR2006R	33 37 24	114 6 30	2.00	.50	N	.100	1,000	N	N	N	50	500
KR2007P	33 37 24	114 6 30	7.00	2.00	10.00	.150	2,000	N	N	N	100	700
KR2008R	33 37 27	114 4 37	5.00	.10	5.00	.050	2,000	100.0	N	N	50	100
KR2009R	33 37 27	114 4 37	3.00	.70	>20.00	.007	3,000	1.0	N	N	N	N
KR2010R	33 37 27	114 4 37	15.00	N	5.00	<.002	10	100.0	N	N	30	<20
KR2011R	33 36 5	114 1 48	20.00	.05	.05	.010	20	100.0	500	N	50	N
KR2012R	33 36 5	114 1 48	20.00	3.00	5.00	<.002	1,000	20.0	500	N	20	N
KR2013R	33 36 5	114 1 48	>20.00	.50	.15	.050	200	5.0	500	N	70	70
KR2014R	33 36 5	114 1 48	.50	10.00	20.00	.015	150	<.5	N	N	N	N
KR2015R	33 37 13	114 0 56	>20.00	.70	1.00	N	300	5.0	500	N	50	200
KR2016R	33 35 45	113 53 43	.20	.05	.10	.050	70	30.0	1,000	N	50	>5,000
KR2017R	33 35 22	113 54 0	2.00	.07	.07	.150	20	30.0	N	N	30	1,000
KR2018R	33 35 22	113 55 7	1.50	.20	.20	.200	150	10.0	N	N	20	2,000
KR2019R	33 35 25	113 55 34	5.00	.20	.30	.500	1,000	200.0	300	N	100	3,000
KR2020R	33 37 44	113 58 42	10.00	.30	20.00	.020	>5,000	150.0	N	N	30	5,000
KR2021R	33 37 44	113 58 42	5.00	.50	20.00	.005	>5,000	1,000.0	N	N	30	>5,000
KR2022R	33 37 44	113 58 42	1.00	.20	>20.00	.005	>5,000	500.0	N	N	N	2,000
KR2024R	33 37 47	114 6 32	20.00	.50	20.00	.005	>5,000	30.0	N	N	30	500
KR2025R	33 37 47	114 6 32	20.00	.30	10.00	.020	5,000	5.0	N	15	50	700
KR2026R	33 16 14	113 57 20	10.00	.50	5.00	N	>5,000	N	500	N	N	>5,000
KR2027R	33 16 14	113 57 20	1.00	.05	20.00	.010	>5,000	N	N	N	N	500
KR2028R	33 16 16	113 57 33	5.00	.50	5.00	.100	3,000	100.0	N	70	50	700
KR2029R	33 16 22	113 57 59	.70	.10	20.00	.030	>5,000	50.0	N	N	10	2,000
KR2030R	33 16 52	113 58 6	.05	.02	20.00	.005	2,000	20.0	N	N	N	1,000
KR2031R	33 17 49	113 58 15	1.50	.10	.05	1.000	100	10.0	N	N	20	1,000

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR1231R	3.0	N	N	N	N	5	70	N	N	<5	30	N
KR1232R	2.0	N	N	5	N	<5	70	N	<20.0	5	30	N
KR1233R	2.0	N	N	10	10	10	50	N	N	15	20	N
KR1234R	2.0	N	N	5	N	5	100	N	<20.0	5	70	N
KR1235R	1.5	N	N	10	20	7	100	N	N	10	30	N
KR1236R	2.0	N	N	10	<10	5	100	<5	<20.0	10	50	N
KR1237R	1.0	N	N	20	50	70	N	N	N	50	30	N
KR1238R	1.0	N	N	15	50	15	N	N	N	30	20	N
KR1239R	5.0	N	N	5	N	<5	70	N	20.0	5	50	N
KR1240R	2.0	N	N	5	N	<5	70	N	<20.0	N	30	N
KR1241R	1.5	N	N	20	50	15	70	<5	N	30	30	N
KR1242R	3.0	N	N	5	N	<5	50	N	20.0	10	20	N
KR1243R	3.0	N	N	5	N	<5	<20	N	N	<5	<10	N
KR1244R	2.0	N	N	5	N	50	50	N	<20.0	<5	20	N
KP1245P	1.5	N	N	5	N	<5	50	N	N	N	30	N
KR2000R	1.5	N	N	10	20	500	N	<5	N	15	20	N
KR2001R	N	<10.00	N	5	N	3,000	N	500	N	<5	<10	100.00
KR2002R	N	300.00	N	7	N	150	N	100	N	<5	30	200.00
KR2003R	2.0	10.00	N	20	50	5,000	50	100	N	15	50	<100.00
KR2004R	1.5	100.00	N	100	N	15,000	N	700	N	15	150	2,000.00
KR2006R	1.5	N	N	<5	N	10,000	<20	N	N	<5	70	N
KR2007R	1.5	N	N	N	N	150	50	N	N	N	20	N
KR2008R	1.0	N	500	50	N	5,000	N	150	N	10	20,000	N
KR2009R	N	N	100	10	N	100	<20	N	N	N	1,000	N
KR2010R	N	N	20	N	N	1,500	N	N	N	N	>20,000	N
KR2011R	N	150.00	50	<5	N	1,500	N	50	N	5	5,000	700.00
KR2012P	N	70.00	30	<5	20	3,000	N	10	N	5	5,000	700.00
KR2013R	1.0	70.00	30	N	70	2,000	N	15	N	N	7,000	700.00
KR2014R	N	N	N	N	<10	20	N	N	N	N	100	N
KR2015R	1.5	200.00	N	N	50	2,000	N	30	N	N	>20,000	1,000.00
KR2016R	N	N	30	5	30	20,000	N	N	N	5	700	500.00
KR2017R	1.5	N	N	5	N	20,000	50	50	N	<5	200	N
KR2018R	1.0	N	N	5	N	200	70	N	N	<5	200	N
KR2019R	1.5	N	20	30	70	>20,000	<20	100	N	50	500	N
KR2020R	10.0	N	20	N	N	700	N	10	N	N	2,000	150.00
KR2021P	15.0	N	30	N	N	100	N	N	N	N	5,000	N
KR2022R	15.0	N	20	N	N	50	N	10	N	N	200	N
KR2024P	N	N	<20	10	N	700	N	20	N	N	20,000	N
KR2025R	1.5	N	<20	15	N	70	N	30	N	N	5,000	N
KR2026P	100.0	N	N	N	70	150	100	100	N	20	500	2,000.00
KR2027R	5.0	N	N	N	N	7	N	N	N	N	100	N
KR2028R	3.0	N	<20	7	20	150	<20	70	N	5	1,500	N
KR2029R	2.0	N	20	<5	N	20	N	5	N	<5	150	N
KR2030R	7.0	N	N	N	N	50	70	N	N	N	>20,000	N
KR2031R	1.0	N	N	5	70	10	N	5	N	<5	150	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KR1231R	N	N	<100	15	N	15	N	150	N	<.05	.10
KR1232R	N	N	<100	20	N	20	N	150	N	<.05	.12
KR1233R	10	N	500	50	N	20	N	200	N	<.05	.04
KR1234R	N	N	N	15	N	30	N	150	N	<.05	.02
KR1235R	7	N	300	50	N	30	N	150	N	<.05	.02
KR1236R	10	N	500	50	N	30	N	150	N	<.05	.02
KR1237R	10	N	1,000	100	N	20	N	100	N	<.05	.02
KR1238R	7	N	700	70	N	10	N	150	N	N	.06
KR1239R	N	N	N	10	N	30	N	150	N	N	.02
KR1240R	7	N	500	20	N	30	N	200	N	N	.16
KR1241R	15	N	700	100	N	30	N	200	N	N	.02
KR1242R	<5	N	200	20	N	10	N	150	N	N	.10
KR1243R	N	N	200	30	N	10	N	200	N	1.90	.10
KR1244R	N	N	200	10	N	15	N	150	N	<.05	.18
KR1245R	7	N	500	50	N	20	N	200	N	<.05	.06
KE2000R	10	N	700	100	N	50	N	100	N	.10	.02
KR2001R	N	N	N	15	N	N	N	N	N	N	.02
KR2002R	<5	N	<100	10	1,500	100	N	N	N	.15	.40
KR2003R	30	N	200	100	100	100	N	200	N	<.05	.06
KR2004R	N	N	N	500	200	N	1,000	10	N	1.20	2.10
KR2006R	7	20	N	10	N	50	700	150	N	<.05	.08
KR2007R	5	N	<100	10	N	50	N	200	N	.10	N
KR2008R	<5	N	300	20	N	15	7,000	15	N	N	.56
KR2009R	10	N	3,000	10	N	200	3,000	N	N	<.05	.26
KR2010R	N	N	1,000	10	N	N	1,000	N	N	<.05	3.60
KR2011R	N	N	N	<10	N	N	7,000	N	N	.70	>10.00
KR2012R	N	N	N	150	N	N	5,000	N	N	.60	6.30
KR2013R	N	N	<100	150	N	N	7,000	<10	N	<.05	.04
KR2014R	N	N	<100	20	N	N	N	N	N	<.05	.04
KR2015R	N	200	500	100	N	N	7,000	10	N	.60	.23
KR2016R	N	N	500	15	N	10	200	50	N	.05	.10
KR2017R	N	N	<100	100	N	20	N	150	N	N	.06
KR2018R	N	N	<100	70	N	30	N	150	N	.10	.02
KR2019R	15	N	<100	100	N	10	<200	100	N	N	.30
KR2020R	N	N	500	50	N	50	1,500	N	N	<.05	.50
KR2021R	N	N	1,000	20	N	30	5,000	N	N	.10	3.80
KR2022R	N	N	1,500	20	N	20	500	N	N	.10	.38
KR2024R	10	N	500	<10	N	50	200	N	N	1.30	.14
KR2025R	10	N	200	<10	N	70	1,000	20	N	38.00	.14
KR2026R	N	N	5,000	200	300	70	500	N	N	.10	6.00
KR2027R	N	N	700	15	N	15	N	N	N	N	.54
KR2028R	5	N	200	50	N	20	2,000	100	N	80.00	.46
KR2029R	N	N	1,000	20	N	15	N	N	N	2.80	.26
KR2030R	N	N	500	10	N	200	2,000	N	N	.05	1.40
KR2031R	15	N	300	70	N	10	N	150	N	2.50	.02

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	F-ppm si	U-inst
KR1231R	--	20	25	N	N	10	.60	1.0	100	.26
KR1232R	--	7	35	N	N	2	.80	1.0	100	.38
KR1233R	--	<5	30	N	N	1	.40	3.5	200	.27
KR1234R	--	<5	20	N	N	1	1.20	4.0	N	.82
KR1235R	--	N	20	N	N	2	.60	3.0	200	.44
KR1236R	--	N	30	N	N	1	.60	3.6	100	.19
KR1237R	--	<5	25	N	N	2	2.80	N	2,000	.61
KR1238R	--	N	5	N	N	N	.60	1.0	N	.08
KR1239R	--	N	20	N	N	2	1.00	2.6	300	1.10
KE1240R	--	N	30	N	N	2	.20	2.0	100	.15
KR1241R	--	N	50	N	N	2	.80	3.0	200	.09
KF1242R	--	<5	40	N	N	7	.80	2.6	100	.40
KR1243R	--	5	30	.1	N	6	.40	3.0	N	.14
KR1244R	--	N	15	N	N	6	.40	2.0	N	.34
KR1245R	--	N	15	N	N	7	.60	3.0	100	.17
KR2000R	--	10	15	1.4	5	8	N	29.0	N	.40
KR2001R	--	40	30	N	22	110	<.20	12.5	N	1.90
KR2002R	--	20	55	.1	500	300	<.20	>50.0	N	1.10
KR2003R	--	25	80	.5	8	72	.90	6.0	400	1.70
KR2004R	--	520	300	1.8	300	>1,000	.30	>50.0	N	21.00
KP2006R	--	N	470	3.9	1	<2	.50	1.0	100	1.10
KR2007R	--	N	110	2.5	N	N	.30	2.5	400	.75
KR2008R	--	65	>2,000	>100.0	3	32	.30	1.0	N	3.60
KR2009R	--	N	>2,000	70.0	1	2	<.20	.5	N	.10
KR2010R	--	240	1,100	14.0	2	68	.30	N	N	.25
KP2011R	--	510	>2,000	17.0	100	650	.20	6.5	N	1.20
KR2012R	--	500	>2,000	13.0	92	750	.20	1.5	N	1.40
KR2013R	--	500	>2,000	9.3	92	730	.90	6.5	700	2.30
KR2014R	--	N	300	.3	N	2	.20	.5	200	.20
KR2015R	--	680	>2,000	2.4	490	>1,000	.20	25.0	200	2.70
KR2016R	--	970	160	9.7	N	180	.40	N	N	1.10
KR2017R	--	15	10	.4	N	10	1.40	1.0	N	.25
KR2018R	--	5	10	N	N	2	1.60	2.0	N	<.05
KR2019R	--	330	15	8.5	N	14	3.80	3.5	200	3.10
KR2020R	--	210	1,500	14.0	N	150	.40	45.0	N	.45
KR2021R	--	45	>2,000	18.0	N	22	.40	18.0	500	1.20
KR2022R	--	30	600	9.0	1	8	.30	2.4	300	.70
KR2024R	--	N	140	10.0	6	18	.20	6.5	N	6.70
KR2025R	--	N	680	7.2	N	8	.30	21.0	N	6.90
KR2026R	--	850	550	.1	N	>1,000	4.10	>50.0	100	2.10
KR2027R	--	30	20	N	N	90	.30	24.0	N	.10
KR2028R	--	25	1,600	9.2	N	50	2.00	12.0	N	.45
KR2029R	--	5	70	1.6	N	10	4.40	27.0	N	.15
KR2030R	--	N	1,400	13.0	N	20	.30	.5	180,000	1.00
KR2031R	--	120	10	N	N	2	3.80	22.0	700	.45

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFF REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR2032R	33 17 49	113 58 15	.70	.10	.05	.100	200	2.0	N	N	20	700
KR2033R	33 17 49	113 58 15	2.00	1.00	20.00	.200	2,000	1.0	N	N	20	700
KR2034R	33 17 49	113 58 15	2.00	.50	10.00	.200	1,000	1.5	N	N	20	500
KR2035R	33 17 49	113 58 15	1.50	.20	.07	.200	100	1.5	N	N	30	500
KR2036R	33 17 49	113 58 15	.70	N	N	.005	10	15.0	N	N	10	150
KP2037R	33 17 49	113 58 15	1.00	.20	.50	.100	200	.5	N	N	30	500
KR2038R	33 17 14	113 58 48	>20.00	.10	.50	.200	500	20.0	N	N	50	100
KR2040R	33 23 23	113 57 28	1.50	.70	.70	.150	300	15.0	N	N	15	1,000
KR2041P	33 23 23	113 57 28	.20	.10	20.00	.015	1,500	20.0	N	<10	N	50
KR2042R	33 22 24	113 45 23	15.00	.10	2.00	.200	>5,000	200.0	<200	N	20	>5,000
KR2043R	33 22 24	113 45 23	10.00	.10	2.00	.150	>5,000	15.0	700	N	30	>5,000
KR2044R	33 22 24	113 45 23	3.00	.50	10.00	.300	2,000	10.0	N	N	30	>5,000
KR2045R	33 22 24	113 45 23	3.00	.30	1.50	.500	500	10.0	N	N	30	5,000
KR2046R	33 22 24	113 45 23	1.00	.30	1.50	.100	>5,000	N	500	N	N	>5,000
KP2047R	33 14 16	113 51 42	>20.00	N	.10	.030	200	N	<200	N	100	300
KR2048R	33 14 16	113 51 42	20.00	.05	2.00	.200	100	N	1,500	N	200	5,300
KR2049R	33 14 16	113 51 42	5.00	.02	.07	.010	200	N	N	N	20	70
KP2050R	33 25 14	113 52 40	20.00	.30	.05	.200	70	N	N	N	70	1,500
KR2051R	33 25 16	113 51 42	3.00	.10	20.00	.100	50	7.0	N	N	50	500
KR2052R	33 25 46	113 53 47	5.00	2.00	5.00	1.000	1,000	.5	N	N	100	1,500
KR2053R	33 25 46	113 53 47	1.50	.20	20.00	.150	200	1.0	N	N	300	500
KR2054R	33 22 44	113 45 21	5.00	1.00	<.05	.500	1,000	<.5	300	N	10	1,500
KR2055R	33 22 24	113 45 23	.70	.10	>20.00	.010	>5,000	N	N	N	N	>5,000
KR2056R	33 22 24	113 45 23	7.00	.50	<.05	.150	100	1.0	N	N	20	700
KR2057R	33 22 28	113 45 24	1.50	.07	2.00	.100	5,000	30.0	N	N	30	700
KR2058R	33 23 12	113 57 25	3.00	.20	.10	.300	700	1.5	N	N	20	1,500
KR2059R	33 23 23	113 57 28	2.00	.50	5.00	.100	700	5.0	N	N	20	700
KR2060R	33 23 39	113 57 17	5.00	.07	.20	.100	200	5.0	N	N	20	700
KR2061R	33 22 46	113 56 9	.20	.15	>20.00	.020	5,000	N	N	N	N	200
KR2062R	33 25 4	113 52 44	>20.00	1.00	.50	.100	700	10.0	200	N	100	1,000
KR2063R	33 38 8	114 6 45	10.00	.50	N	.100	100	<.5	N	N	30	1,000
KR2064R	33 37 24	114 6 30	3.00	1.00	N	.150	500	1.0	N	N	10	300
KR2065R	33 37 24	114 6 30	3.00	.02	.50	.002	1,000	2.0	N	N	10	50
KR2066R	33 37 44	113 58 42	1.50	.20	>20.00	.005	>5,000	500.0	N	N	N	1,500
KR2067P	33 37 27	114 4 37	10.00	.15	2.00	.070	100	20.0	500	N	70	200
KR2069AR	32 59 33	114 9 59	.20	.05	.20	.030	200	1.0	N	N	15	1,000
KR2069BR	32 59 33	114 9 59	3.00	.30	20.00	.070	200	2.0	300	N	30	>5,000
KR2069CR	32 59 33	114 9 59	1.50	.30	20.00	.070	300	2.0	N	N	20	300
KR2069R	32 59 33	114 9 59	5.00	1.50	10.00	.050	5,000	1.0	N	N	10	150
KR2070R	33 21 38	114 2 28	1.00	.50	.05	.100	100	15.0	N	N	20	500
KR2071R	33 21 38	114 2 28	5.00	3.00	2.00	.500	700	N	N	N	10	500
KR2072R	33 18 1	114 0 12	1.00	.10	.05	.050	50	<.5	N	N	20	1,000
KR2073R	33 18 1	114 0 12	2.00	1.00	.50	.200	500	N	N	N	10	700
KR2074R	33 19 25	114 1 0	2.00	.70	1.00	.200	300	N	N	N	10	700
KR2075R	33 18 10	114 0 17	1.50	.30	5.00	.070	200	.7	N	N	20	200

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Re-ppm S	Ri-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR2032R	2.0	N	N	10	N	10	N	N	N	10	50	N
KR2033R	1.0	N	N	15	50	70	50	N	N	20	50	N
KR2034R	1.5	N	N	15	50	10	N	50	N	15	50	N
KR2035R	2.0	N	N	5	20	20	N	N	N	7	20	N
KR2036R	N	N	N	<5	N	N	N	N	N	5	20	N
KR2037R	1.5	N	N	5	N	<5	50	N	20.0	<5	50	N
KR2038R	N	N	N	5	N	150	N	20	N	N	20	N
KR2040R	1.5	N	N	5	N	10	<20	N	N	5	50	N
KR2041R	2.0	N	N	N	N	N	N	N	N	N	15	N
KR2042R	2.0	N	N	N	20	150	50	10	N	7	1,000	N
KR2043R	2.0	N	N	N	50	200	50	50	N	5	1,000	N
KR2044R	2.0	N	N	10	20	15	100	N	N	5	100	N
KR2045R	1.5	N	N	10	<10	15	100	N	N	<5	200	N
KR2046R	30.0	N	N	N	50	1,000	100	10	N	50	100	700.00
KR2047R	1.5	N	N	100	N	30	N	<5	N	20	N	N
KR2048R	N	N	N	10	N	15	50	15	N	<5	50	N
KR2049R	N	N	N	5	N	70	N	N	N	10	N	N
KR2050R	N	N	N	<5	<10	150	100	10	N	<5	10	N
KR2051R	1.5	N	N	<5	N	15	N	N	N	<5	10	N
KR2052R	2.0	N	N	50	70	7	100	N	<20.0	20	50	N
KR2053R	7.0	N	N	5	<10	20	<20	N	N	10	50	100.00
KR2054R	<1.0	N	N	20	100	100	<20	<5	N	20	150	N
KR2055R	5.0	N	N	N	N	10	N	N	N	N	150	N
KR2056R	<1.0	N	N	5	30	15	N	10	N	10	20	N
KR2057R	2.0	N	N	N	N	5	N	N	N	5	100	<100.00
KR2058R	1.0	N	N	20	10	15	50	30	N	20	20	N
KR2059R	1.5	N	N	N	N	<5	<20	N	N	<5	30	N
KR2060R	1.5	N	N	7	10	20	50	20	N	15	10	N
KR2061R	1.0	N	N	N	N	N	N	N	N	N	15	N
KR2062R	1.0	N	N	1,000	N	>20,000	150	100	N	100	N	N
KR2063R	1.5	N	N	20	10	150	<20	10	N	N	15	N
KR2064R	1.0	N	N	N	N	1,500	50	N	N	N	10	N
KR2065R	N	N	N	5	<10	700	N	N	N	<5	700	N
KR2066R	1.5	N	50	N	N	100	N	N	N	N	20,000	N
KR2067R	<1.0	N	N	20	20	700	N	20	N	7	500	N
KR2069AR	<1.0	N	N	5	<10	10	<20	5	N	<5	15	N
KR2069BR	<1.0	N	N	10	10	10,000	N	20	N	15	500	N
KR2069CR	1.0	N	N	7	10	1,000	<20	10	N	10	150	N
KR2069R	1.0	N	N	10	10	700	N	15	N	50	10	N
KR2070R	10.0	N	N	5	10	15	N	N	N	10	15	200.00
KR2071R	<1.0	N	N	20	150	50	50	N	N	150	10	N
KR2072R	2.0	N	N	N	N	<5	70	7	30.0	N	30	N
KR2073R	<1.0	N	N	7	<10	15	50	N	N	<5	50	N
KR2074R	1.5	N	N	7	<10	<5	50	N	N	5	20	N
KR2075R	1.5	N	N	<5	<10	20	150	N	<20.0	N	30	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KR2032R	N	N	N	20	N	N	N	50	N	.75	.12
KR2033R	7	N	1,000	50	N	50	N	50	N	.10	.23
KR2034R	5	N	700	50	N	20	N	100	N	1.80	.06
KR2035R	<5	N	<100	50	N	10	N	150	N	.90	.04
KR2036R	N	N	N	<10	50	N	N	N	N	7.50	.42
KR2037R	N	N	N	15	N	20	N	150	N	<.05	.12
KR2038R	10	N	<100	200	N	N	200	50	N	17.00	.04
KR2040R	N	N	N	20	N	20	N	100	N	1.20	.06
KR2041R	N	N	700	<10	N	N	N	N	N	1.20	.62
KR2042R	10	N	500	200	N	10	2,000	100	N	.25	5.00
KR2043R	7	N	700	500	100	15	1,500	100	N	.20	>10.00
KR2044R	10	N	200	150	N	30	200	100	N	.10	.34
KR2045R	10	N	200	100	N	30	700	200	N	.10	1.30
KR2046R	15	N	2,000	300	1,000	20	200	100	N	N	.08
KR2047R	N	N	N	200	N	N	N	N	N	N	.24
KR2048R	5	N	300	150	N	N	N	150	N	.35	.08
KR2049R	N	N	<100	100	N	<10	N	N	N	N	N
KR2050R	10	N	200	150	N	50	N	200	N	N	.02
KR2051R	5	N	200	50	N	20	N	10	N	20.00	.12
KR2052R	20	N	300	150	N	70	N	150	N	.10	.04
KR2053R	5	N	200	30	N	10	N	50	N	.55	.20
KR2054R	30	N	N	200	N	20	<200	100	N	.10	.96
KR2055R	N	N	2,000	100	N	N	300	N	N	.15	1.60
KR2056R	10	N	200	150	N	N	N	20	N	.10	.04
KR2057R	<5	N	<100	30	N	N	300	20	N	.80	.50
KR2058R	7	N	200	100	N	20	N	150	N	.20	.54
KR2059R	N	N	<100	20	N	15	N	20	N	1.30	.12
KR2060R	<5	N	200	100	N	N	N	15	N	1.00	.14
KR2061R	N	N	1,000	10	N	10	N	N	N	.15	.38
KR2062R	30	N	700	150	N	30	N	N	N	1.70	.42
KR2063R	5	N	N	30	N	50	N	100	N	6.20	.02
KR2064R	10	100	N	<10	N	70	500	150	N	.10	<.02
KR2065R	N	N	N	10	N	N	700	N	N	.10	<.02
KR2066R	N	N	700	200	N	50	2,000	N	N	.10	.40
KR2067R	5	N	<100	20	N	10	200	10	N	.10	.36
KR2069AR	N	N	100	10	N	10	N	100	N	N	<.02
KR2069BR	5	N	500	500	N	300	N	30	N	N	N
KR2069CR	5	N	100	200	N	300	N	30	N	N	N
KR2069R	<5	N	500	20	N	30	N	30	N	N	N
KR2070R	<5	N	150	30	N	<10	N	150	N	.80	.02
KR2071R	20	N	700	150	N	20	N	150	N	N	.22
KR2072R	<5	N	N	10	N	50	N	200	N	N	N
KR2073R	7	N	200	50	N	15	N	200	N	N	N
KR2074R	7	N	300	50	N	15	N	70	N	N	N
KR2075R	<5	N	150	20	N	50	N	150	N	.50	<.02

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Ri-ppm aa	Sb-ppm aa	TL-ppm aa	W-ppm cm	F-ppm Si	U-inst
KR2032R	--	5	35	.1	N	<2	2.10	6.5	400	.45
KR2033R	--	N	30	.1	N	<2	.70	7.0	200	.60
KR2034R	--	40	25	.1	1	2	1.70	9.5	300	1.50
KR2035R	--	30	40	.1	N	2	2.70	13.0	300	.30
KR2036R	--	N	<5	N	3	N	.20	110.0	N	.05
KR2037R	--	5	25	.1	N	2	1.90	3.5	N	.60
KR2038R	--	N	100	.2	1	N	.20	26.0	1,000	.60
KP2040R	--	N	55	.1	N	<2	3.20	4.0	100	.25
KR2041R	--	N	15	.2	N	N	.30	1.5	N	<.05
KR2042R	--	240	1,900	7.1	N	16	2.40	25.0	100	.70
KR2043R	--	1,000	>2,000	6.2	1	50	4.50	>50.0	100	2.10
KR2044R	--	30	190	.5	1	16	2.00	24.0	200	.90
KR2045R	--	50	660	2.7	1	22	3.20	19.0	200	.30
KR2046R	--	700	220	.2	1	890	9.10	>50.0	400	.70
KR2047R	--	300	15	N	N	4	.20	8.0	N	.20
KR2048R	--	1,200	<5	N	2	4	.20	25.0	N	.70
KR2049R	--	50	<5	N	1	N	.20	.5	N	.20
KR2050R	--	100	<5	N	1	<2	.50	1.5	200	.35
KR2051R	--	50	10	.6	N	7	.60	10.5	N	.25
KR2052R	--	N	120	.3	1	N	.60	4.5	300	.60
KR2053R	--	50	65	1.5	N	4	.50	1.0	N	.25
KR2054R	--	45	120	1.5	1	2	.60	18.0	100	.35
KR2055R	--	120	710	1.4	2	14	14.00	42.0	N	1.00
KR2056R	--	10	10	N	2	N	.50	2.5	300	.85
KR2057R	--	70	630	1.7	1	36	1.80	23.0	100	.20
KR2058R	--	130	45	N	2	2	3.20	6.5	100	.15
KR2059R	--	20	25	N	1	2	1.30	4.0	100	.15
KR2060R	--	110	55	.1	1	2	1.40	5.5	100	.15
KR2061R	--	N	<5	.3	1	N	.40	1.0	N	.15
KR2062R	--	270	20	.2	5	<2	.20	N	800	19.00
KR2063R	--	10	70	.1	2	N	.50	12.0	100	2.80
KR2064R	--	N	910	2.1	3	N	.50	7.0	200	.65
KR2065R	--	100	890	4.1	9	42	<.20	.5	N	.75
KR2066R	--	85	>2,000	50.0	N	16	.30	4.5	N	2.50
KR2067R	--	700	700	1.9	N	8	.30	1.5	100	2.60
KR2069AR	--	N	<5	.3	N	N	1.70	1.0	N	.85
KR2069BR	--	270	120	.5	N	6	.20	3.0	110,000	40.00
KR2069CR	--	40	15	.5	N	N	.15	1.0	400	2.90
KR2069R	--	70	60	.5	N	N	.10	1.5	300	.15
KR2070R	--	N	25	N	N	2	1.20	2.0	600	.35
KR2071R	--	N	55	.2	N	N	<.05	N	500	.50
KR2072R	--	N	20	.2	N	N	1.60	1.5	300	1.10
KR2073R	--	N	40	.1	N	N	.70	1.0	400	.85
KR2074R	--	N	35	N	N	N	.45	2.0	400	.80
KR2075R	--	N	20	N	N	N	1.10	1.5	400	.65

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Hg-pct. S	Ca-pct. S	Tl-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ra-ppm S
KR2076R	33 18 10	114 0 17	1.00	.15	3.00	.030	700	.5	N	N	10	100
KR2077R	33 22 38	114 3 30	2.00	1.00	20.00	.200	1,000	N	N	N	20	500
KR2078R	33 22 38	114 3 30	2.00	.20	.15	.200	200	N	N	N	15	700
KR2079R	33 17 39	114 11 45	1.00	.05	.10	.500	100	N	N	N	20	500
KR2080R	33 17 39	114 11 45	.10	.10	.05	.200	50	N	N	N	200	200
KR2081P	33 15 6	114 10 34	.70	.20	.50	.050	300	N	N	N	10	300
KR2082R	33 15 6	114 10 34	1.00	.10	1.00	.050	300	N	N	N	50	300
KR2083AR	33 23 30	113 57 30	2.00	.20	.10	.200	200	.5	N	N	30	700
KR2083RR	33 23 30	113 57 30	.30	.05	1.00	.015	300	5.0	N	N	10	150
KR2084R	32 58 23	114 9 10	.30	.50	5.00	.100	500	1.0	N	N	70	200
KR2085R	32 58 23	114 9 7	10.00	.20	1.00	.150	700	1,000.0	N	N	700	1,000
KR2086R	32 58 23	114 9 3	5.00	1.50	.30	.500	300	1.5	N	N	200	500
KR2087R	32 58 30	114 6 36	2.00	.50	1.00	.200	1,000	2.0	N	N	70	700
KR2088R	32 58 30	114 6 36	5.00	.02	2.00	.050	700	5.0	N	N	20	500
KR2089R	32 58 40	114 6 23	1.00	<.02	N	.002	20	1.5	N	N	50	N
KR2090R	32 58 40	114 6 23	3.00	1.00	1.00	.500	300	2.0	N	N	100	1,000
KR2091R	33 2 31	114 6 0	1.50	1.00	10.00	.200	700	10.0	N	N	300	200
KR2092R	33 2 31	114 6 0	1.50	.20	.15	.100	100	1.0	N	N	10	300
KR2093R	33 2 7	113 59 9	2.00	.15	.05	.150	1,000	N	N	N	50	1,000
KR2094R	33 2 7	113 59 9	.15	.10	20.00	.005	>5,000	N	N	N	10	500
KR2095R	33 1 45	113 59 0	1.50	.15	10.00	.150	>5,000	N	700	N	20	>5,000
KR2096R	33 1 45	113 59 0	5.00	2.00	2.00	1.000	700	N	N	N	50	1,000
KR2097R	33 2 39	114 1 5	1.50	.05	20.00	.003	>5,000	5.0	500	N	N	200
KR2098R	33 2 39	114 1 5	.50	.02	.10	.030	1,000	15.0	N	N	15	1,000
KR2099R	33 2 39	114 1 5	.20	.05	2.00	.002	700	5,000.0	N	N	20	500
KR2100R	33 4 40	113 47 15	2.00	1.00	15.00	.300	2,000	15.0	N	N	15	2,000
KR2101R	33 4 40	113 47 15	5.00	7.00	2.00	.500	2,000	1.0	N	N	20	700
KR2102R	33 4 40	113 47 15	.15	.02	15.00	.002	5,000	1.0	N	N	N	200
KR2103R	33 4 40	113 47 15	.10	N	15.00	.002	10	700.0	N	N	20	>5,000
KR2104R	33 4 40	113 47 15	.15	N	15.00	.002	10	1,000.0	N	N	N	>5,000
KR2105R	33 4 40	113 47 15	1.00	.02	.05	<.002	20	3.0	N	N	10	1,500
KR2106R	33 4 40	113 47 15	3.00	1.00	.70	.300	500	20.0	N	N	20	1,500
KR2107R	33 4 40	113 47 15	.15	N	15.00	.002	N	2,000.0	N	N	N	>5,000
KR2108R	33 4 40	113 47 15	3.00	1.50	.50	.500	700	10.0	N	N	30	700
KR2109R	33 2 33	114 10 30	1.50	.30	.70	.100	>5,000	30.0	N	N	20	700
KR2110R	33 2 33	114 10 30	.30	<.02	1.00	.030	20	1,000.0	N	N	10	500
KR2111R	33 2 25	114 10 28	1.50	.70	20.00	.030	>5,000	20.0	N	N	10	300
KR2112R	33 2 6	114 10 10	.15	<.02	20.00	.003	10	2,000.0	N	N	N	300
KR2113R	33 2 6	114 10 10	3.00	1.00	1.00	.500	700	7.0	N	N	10	1,500
KR2114R	33 3 40	114 10 40	.50	.10	.20	.050	50	20.0	N	N	10	200
KR2115R	33 3 7	114 10 47	5.00	1.00	2.00	.500	700	N	N	N	20	500
KR2116R	33 3 7	114 10 47	.70	.15	.10	.050	100	1.0	N	N	50	1,000
KR2117R	33 3 33	114 10 40	1.00	.20	.10	.100	150	20.0	N	N	20	700
KR2118R	33 3 33	114 10 40	1.50	.50	10.00	.200	1,000	30.0	N	N	10	700
KR2119R	33 3 12	114 10 25	5.00	1.50	.20	.300	1,000	N	N	N	50	1,000

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Re-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR2076R	1.5	N	N	N	<10	5	150	N	<20.0	N	20	N
KR2077R	<1.0	N	N	7	10	<5	50	N	N	7	20	N
KR2078R	1.5	N	N	5	<10	5	100	N	<20.0	<5	20	N
KR2079R	1.0	<10.00	N	N	10	N	<20	N	30.0	N	N	N
KR2080R	N	<10.00	N	N	N	N	<20	N	<20.0	N	N	N
KR2081R	2.0	N	N	N	N	<5	<20	N	N	N	15	N
KR2082R	2.0	N	N	<5	<10	<5	100	N	20.0	5	20	N
KR2083RR	2.0	N	N	5	10	5	<20	N	N	5	20	N
KR2083BR	1.0	N	N	N	N	N	N	N	N	5	<10	N
KR2084R	N	N	N	<5	<10	70	N	N	N	N	<10	N
KR2085R	1.0	200.00	N	N	<10	>20,000	N	20	N	N	100	N
KR2086R	1.5	N	N	10	50	10,000	50	N	<20.0	30	N	N
KR2087R	1.5	N	N	5	<10	100	<20	N	N	<5	15	N
KR2088R	<1.0	10.00	N	7	10	50	N	50	N	<5	20	N
KR2089R	N	10.00	N	N	<10	10,000	N	N	N	N	N	N
KR2090R	5.0	N	N	7	20	30	N	N	<20.0	5	15	N
KR2091R	5.0	N	N	7	30	10	N	N	N	15	70	N
KR2092R	1.0	N	N	7	<10	20	N	N	N	10	50	N
KR2093R	1.0	N	N	5	<10	7	70	N	20.0	5	50	N
KR2094R	5.0	N	N	N	50	70	N	N	N	10	20	700.00
KR2095R	5.0	N	N	5	100	100	50	5	N	100	100	300.00
KR2096R	1.5	N	N	10	100	50	70	N	20.0	150	20	N
KR2097R	15.0	N	N	N	N	<5	N	N	N	N	15	N
KR2098R	2.0	N	N	N	N	<5	<20	N	N	<5	50	N
KR2099R	70.0	N	N	N	N	700	N	N	N	<5	7,000	1,000.00
KR2100R	1.0	N	<20	10	50	50	50	N	N	20	3,000	N
KR2101R	1.0	N	<20	50	150	50	N	<5	N	100	20	N
KR2102R	N	N	<20	N	N	<5	200	N	N	N	2,000	N
KR2103R	1.0	N	30	N	N	100	N	N	N	N	>20,000	700.00
KR2104R	<1.0	N	50	N	N	70	N	N	N	N	>20,000	1,000.00
KR2105R	N	N	N	5	N	50	N	N	N	5	100	N
KR2106R	1.5	N	N	7	20	50	50	N	N	15	3,000	N
KR2107R	N	N	70	N	N	20	N	30	N	N	>20,000	1,000.00
KR2108R	1.5	N	N	10	100	70	<20	N	N	70	3,000	N
KR2109R	3.0	N	N	300	50	1,000	70	70	N	15	>20,000	300.00
KR2110R	1.0	N	N	N	10	7,000	50	10	N	N	>20,000	500.00
KR2111R	1.0	N	500	7	10	2,000	300	7	N	5	>20,000	150.00
KR2112R	N	N	30	N	100	100	<20	<5	N	10	>20,000	700.00
KR2113R	<1.0	N	N	7	15	50	50	5	N	10	5,000	N
KR2114R	1.0	N	N	N	N	5	N	N	30.0	N	3,000	N
KR2115R	1.0	N	N	10	20	20	50	<5	<20.0	30	100	N
KR2116R	1.0	N	N	5	N	10	N	N	N	5	150	N
KR2117R	1.5	N	N	<5	<10	30	N	N	N	<5	300	N
KR2118R	1.5	N	30	5	<10	50	50	N	N	5	20,000	N
KR2119R	1.5	N	N	15	30	50	50	50	N	50	20	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KF2076R	<5	N	200	20	N	50	N	200	N	.45	N
KR2077R	7	N	500	30	N	20	N	100	N	N	.06
KF2078R	<5	N	150	30	N	30	N	300	N	N	N
KR2079R	<5	30	<100	30	N	15	N	500	N	N	N
KR2080R	N	N	N	200	N	<10	N	200	N	N	N
KR2081R	<5	N	300	15	N	10	N	70	N	N	.02
KR2082R	<5	N	150	10	N	30	N	200	N	N	N
KF2083AR	<5	N	100	20	N	10	N	150	N	.95	N
KR2083BR	N	N	N	10	N	N	N	10	N	8.80	.02
KR2084R	N	N	100	20	N	<10	N	200	N	N	N
KR2085R	<5	N	N	500	N	15	N	<10	N	2.00	2.50
KR2086R	15	N	<100	100	N	20	N	300	N	.05	N
KR2087R	7	N	200	50	N	15	N	100	N	N	.12
KR2088R	N	N	100	30	N	<10	N	<10	N	1.20	1.60
KR2089R	N	N	N	10	N	N	N	N	N	2.50	.04
KR2090R	15	N	100	150	N	30	N	700	N	<.05	.02
KR2091R	7	N	300	30	N	10	N	50	N	.30	.06
KR2092R	<5	N	100	30	N	10	N	50	N	N	N
KR2093R	<5	N	<100	15	N	20	N	300	N	N	.04
KR2094R	N	N	500	50	70	N	N	N	N	.60	.36
KR2095R	7	N	2,000	150	50	10	200	70	N	N	.08
KR2096R	15	N	1,000	100	N	20	N	300	N	N	.10
KR2097R	N	N	300	10	N	30	N	N	N	N	.12
KR2098R	N	N	N	<10	N	20	N	70	N	N	.04
KR2099R	N	N	N	10	N	10	>10,000	N	N	N	.50
KR2100R	10	N	200	50	N	100	>10,000	100	N	N	1.20
KR2101R	30	N	500	150	N	30	<200	100	N	N	.35
KR2102R	N	N	300	<10	N	200	500	N	N	N	2.00
KR2103R	N	N	>5,000	<10	N	100	7,000	N	N	<.05	4.00
KR2104R	N	N	>5,000	<10	N	150	200	N	N	N	6.40
KR2105R	N	N	100	10	N	N	N	N	N	N	1.30
KR2106R	10	N	500	50	N	30	>10,000	200	N	N	.06
KR2107R	N	N	>5,000	<10	N	200	<200	N	N	N	>10.00
KR2108R	10	N	300	100	N	10	>10,000	100	N	N	.06
KR2109R	10	N	300	50	N	100	5,000	100	N	.15	.16
KR2110R	N	N	>5,000	15	N	10	500	N	N	.20	5.40
KR2111R	20	15	200	20	N	500	>10,000	N	N	N	.06
KR2112R	N	N	>5,000	<10	N	200	700	N	N	.25	2.90
KR2113R	7	N	500	50	N	30	1,000	300	N	N	.02
KR2114R	N	N	150	<10	N	30	N	700	N	N	.02
KR2115R	10	N	1,000	70	N	20	N	100	N	N	N
KR2116R	N	N	500	10	N	500	5,000	100	N	N	<.02
KR2117R	<5	N	100	30	N	<10	2,000	200	N	N	.08
KR2118R	7	N	100	30	N	100	5,000	100	N	N	.14
KR2119R	15	N	<100	70	N	30	<200	150	N	.05	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	F-ppm Si	U-inst
KR2076R	--	N	15	.1	N	N	.60	1.5	3,100	.60
KR2077R	--	N	30	.3	N	N	.20	2.0	200	.20
KR2078R	--	N	45	N	N	N	2.00	2.5	100	1.70
KR2079R	--	N	25	.1	8	N	1.60	5.5	100	.35
KR2080R	--	N	65	.2	6	N	4.70	3.0	230	1.10
KR2081R	--	N	20	N	N	N	.70	.5	100	1.90
KR2082R	--	N	30	.1	N	N	.35	1.0	100	1.70
KR2083AR	--	N	30	.1	N	N	2.60	4.0	150	.50
KR2083BR	--	N	10	.1	N	N	.35	1.0	N	.15
KR2084R	--	N	5	.2	N	N	.10	1.0	N	1.80
KR2085R	--	50	N	.3	N	6	.30	N	100	>10,000.00
KR2086R	--	N	140	N	N	2	.35	4.5	300	8.10
KR2087R	--	N	<5	N	N	N	.60	4.5	300	.65
KR2088R	--	N	<5	.2	18	4	.10	3.0	100	1.50
KR2089R	--	N	N	N	27	N	N	2.0	N	7.90
KR2090R	--	N	N	.3	N	N	1.90	13.0	1,300	1.80
KR2091R	--	N	40	.2	N	N	.85	1.5	100	.10
KR2092R	--	<10	10	.2	1	N	.25	1.0	N	.85
KR2093R	--	30	50	.1	20	20	2.80	3.0	200	1.50
KR2094R	--	210	110	.6	N	400	.40	120.0	N	.40
KR2095R	--	970	270	.4	N	310	12.00	110.0	500	2.50
KR2096R	--	20	75	.3	N	4	1.00	2.0	600	1.30
KR2097R	--	520	150	N	N	8	.65	.5	N	1.10
KR2098R	--	10	35	N	N	2	4.30	3.0	200	1.70
KR2099R	--	40	>2,000	4.2	N	410	.05	N	1,100	.65
KR2100R	--	60	>2,000	16.0	N	22	.80	1.5	87,000	1.10
KR2101R	--	N	170	.8	N	N	.10	.5	700	.10
KR2102R	--	N	1,300	21.0	N	2	.05	N	3,800	1.30
KR2103R	--	N	>2,000	24.0	N	400	.05	1.0	81,000	2.10
KR2104R	--	N	150	22.0	N	410	.10	.5	90,000	.20
KR2105R	--	70	95	2.2	N	6	<.05	N	400	.40
KR2106R	--	N	>2,000	2.7	N	4	1.10	2.0	11,000	.35
KR2107R	--	N	170	47.0	N	520	<.05	20.0	84,000	2.00
KR2108R	--	N	>2,000	5.2	N	6	2.00	9.0	5,600	.25
KR2109R	--	10	>2,000	5.7	N	230	.50	4.0	1,200	51.00
KR2110R	--	N	220	3.3	N	220	.20	4.0	11,000	24.00
KR2111R	--	N	>2,000	>100.0	N	96	.05	.5	3,600	21.00
KR2112R	--	N	700	36.0	N	500	.10	N	110,000	6.40
KR2113R	--	10	1,100	4.5	N	10	2.00	2.5	500	3.20
KR2114R	--	N	15	.3	N	6	1.00	N	300	1.20
KR2115R	--	N	40	N	N	N	.30	1.0	300	.90
KR2116R	--	N	>2,000	N	N	N	.35	.5	200	1.80
KR2117R	--	N	510	.4	N	N	.90	1.5	400	.50
KR2118R	--	N	>2,000	22.0	N	36	.85	2.0	45,000	1.40
KR2119R	--	N	110	N	N	N	.45	1.0	200	.35

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-pptm S	Ag-pptm S	As-pptm S	Au-pptm S	B-pptm S	Ba-pptm S
KR2120R	33 3 13	114 10 20	.20	.02	20.00	.020	<10	100.0	N	N	N	70
KR2121R	33 2 56	114 10 11	1.50	.02	1.00	.100	700	1.5	N	N	10	1,500
KR2122R	33 2 46	114 9 50	.50	.20	20.00	.015	5,000	200.0	N	N	10	30
KR2123R	33 2 46	114 9 50	3.00	1.00	1.00	.150	300	1.0	N	N	<10	500
KR2124R	33 13 57	113 51 33	.50	.20	1.00	.010	500	1.0	N	N	<10	50
KR2125R	33 13 57	113 51 33	>20.00	N	N	.020	100	1.0	<200	N	20	N
KR2126R	33 13 57	113 51 33	20.00	.20	.20	.070	150	10.0	<200	N	15	500
KR2127R	33 13 57	113 51 33	>20.00	.50	1.00	.020	300	.5	200	N	20	N
KR2128R	33 13 6	113 45 45	.20	.15	20.00	.015	>5,000	N	N	N	N	5,000
KR2129R	33 13 6	113 45 45	.10	.02	1.00	.002	700	N	N	N	10	200
KR2130R	33 13 6	113 45 45	3.00	.50	.20	.300	150	N	N	N	20	1,000
KR2131R	33 16 0	113 51 10	2.00	.70	5.00	.070	>5,000	N	300	N	10	>5,000
KR2132R	33 16 0	113 51 10	2.00	.50	.05	.200	1,500	N	N	N	50	700
KR2133R	33 2 8	114 9 15	3.00	.15	20.00	.010	5,000	5.0	N	N	N	N
KR2134R	33 2 8	114 9 15	3.00	1.50	.50	.300	700	<.5	N	N	10	1,500
KR2135R	33 2 12	114 9 13	1.00	.50	20.00	.050	5,000	200.0	N	N	<10	>5,000
KR2136R	33 2 12	114 9 13	5.00	1.00	1.50	.300	700	N	N	N	10	200
KR2137R	33 2 0	114 9 23	.70	.05	<.05	.100	70	5.0	N	N	10	200
KR2138R	33 1 50	114 9 35	.50	.15	20.00	.030	5,000	N	N	N	<10	300
KR2139R	33 1 50	114 9 35	.70	.10	20.00	.020	>5,000	20.0	N	N	<10	1,000
KR2140R	33 2 14	114 10 15	.20	<.02	>20.00	.005	20	7.0	N	N	N	50
KR2141R	33 2 14	114 10 15	.10	1.00	>20.00	.007	10	1.0	N	N	N	N
KR2142R	33 17 55	113 57 27	2.00	1.00	.50	.200	3,000	N	500	N	100	1,000
KR2143R	33 16 10	113 57 53	1.50	.07	1.00	.030	>5,000	100.0	N	500	20	5,000
KR2144R	33 16 10	113 57 53	3.00	1.00	.30	.200	1,000	15.0	N	N	70	700
KR2145R	33 16 10	113 57 53	3.00	1.00	.70	.300	500	.7	N	N	50	1,000
KR2147R	33 16 10	113 57 53	5.00	2.00	.70	.500	1,000	1.5	N	N	15	1,500
KR2148R	33 17 50	113 58 7	2.00	.07	<.05	.500	70	150.0	N	300	10	500
KR2149R	33 17 50	113 58 7	1.50	.50	1.00	.150	300	1.5	N	N	10	500
KR2150R	33 17 50	113 58 7	2.00	1.00	.10	.200	500	1.0	N	N	70	500
KR2151R	33 8 5	114 12 5	.20	.20	.10	.002	200	20.0	N	N	70	50
KR2152R	33 8 5	114 12 5	1.00	.15	.10	.100	500	.5	N	N	20	1,000
KR2153R	33 0 11	114 10 3	.50	.07	20.00	.020	5,000	5.0	1,000	N	20	>5,000
KR2154R	33 0 11	114 10 3	N	N	20.00	.005	10	2,000.0	N	N	N	700
KR2155R	33 4 25	114 5 5	1.50	.50	2.00	.200	3,000	20.0	N	N	50	1,000
KR2156R	33 4 25	114 5 5	2.00	.20	.10	.150	300	1.0	N	N	70	1,000
KR2157R	33 4 25	114 5 5	1.00	.15	.30	.100	700	2.0	N	N	20	500
KR2158R	33 16 27	113 58 30	20.00	.03	.50	.010	1,000	2.0	N	N	<10	1,000
KR2159R	33 16 27	113 58 30	5.00	.50	.70	.150	1,500	50.0	N	100	10	700
KR3001R	32 58 55	114 7 3	2.00	.70	5.00	.070	700	200.0	N	N	>2,000	<20
KR3002R	32 58 27	114 6 40	10.00	.50	10.00	.050	2,000	10.0	N	<10	100	500
KR3003R	33 7 59	114 12 3	.20	.20	10.00	.002	700	50.0	N	N	70	N
KR3004R	33 6 57	114 10 29	.70	.20	1.00	.100	150	500.0	N	N	100	500
KR3005R	32 58 28	114 6 44	2.00	.70	10.00	.200	500	3.0	N	N	50	2,000
KR3006R	33 1 32	114 6 17	1.00	.10	>20.00	.015	>5,000	N	N	N	N	1,000

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR2120R	N	N	N	<5	<10	100	50	N	N	N	>20,000	N
KR2121R	<1.0	N	N	7	<10	70	50	70	N	N	2,000	N
KR2122R	<1.0	N	150	15	<10	100	500	20	N	N	>20,000	300.00
KR2123R	1.0	N	N	7	50	30	50	N	<20.0	50	700	N
KR2124R	N	N	N	20	<10	50	N	N	N	50	15	N
KR2125R	1.0	N	N	N	<10	15	N	N	N	150	20	N
KR2126R	<1.0	N	N	5	<10	50	N	10	N	70	20	N
KR2127R	1.0	N	N	700	<10	700	N	7	N	1,500	20	N
KR2128R	3.0	N	N	<5	<10	10	N	N	N	7	30	100.00
KR2129R	<1.0	N	N	N	<10	N	N	N	N	<5	N	N
KR2130R	1.5	N	N	7	50	20	50	<5	N	70	50	N
KR2131R	30.0	N	N	10	150	50	50	<5	N	20	100	1,000.00
KR2132R	2.0	N	N	7	30	15	50	N	<20.0	20	20	N
KR2133R	<1.0	N	N	10	10	150	<20	5	N	5	15,000	700.00
KR2134R	<1.0	N	N	10	20	15	50	N	<20.0	20	50	N
KR2135R	1.0	N	30	N	50	100	<20	N	N	15	>20,000	200.00
KR2136R	1.0	N	N	10	<10	20	50	10	<20.0	10	50	N
KR2137R	<1.0	N	N	<5	N	15	N	N	N	7	100	N
KR2138R	1.0	N	N	5	N	15	N	N	N	N	150	N
KR2139R	<1.0	N	<20	N	<10	50	N	20	N	<5	20,000	150.00
KR2140R	N	N	N	N	N	15	<20	N	N	N	700	N
KR2141R	<1.0	N	N	N	N	<5	N	N	N	N	200	N
KR2142R	5.0	N	N	20	15	10	50	<5	20.0	100	50	N
KR2143R	5.0	N	N	7	10	70	<20	5	N	5	300	<100.00
KR2144R	1.5	N	N	10	30	15	50	5	<20.0	15	150	N
KR2145R	2.0	N	N	10	30	15	<20	N	<20.0	20	20	N
KR2147R	2.0	N	N	N	50	15	50	<5	<20.0	30	100	N
KR2148R	1.0	N	N	N	100	50	<20	10	N	5	50	N
KR2149R	1.0	N	N	N	30	20	N	30	N	15	10	N
KR2150R	1.0	N	N	N	20	50	N	50	N	20	20	N
KR2151R	20.0	N	N	N	N	<5	N	N	N	7	N	200.00
KR2152R	1.0	N	N	N	N	<5	70	N	<20.0	10	30	N
KR2153R	1.5	N	N	N	N	100	70	100	N	15	15,000	300.00
KR2154R	N	N	N	N	N	1,000	<20	N	N	7	>20,000	3,000.00
KR2155R	2.0	N	N	N	20	15	N	N	N	10	150	N
KR2156R	1.5	N	N	N	10	15	50	5	N	5	100	N
KR2157R	2.0	N	N	N	10	10	N	N	N	5	20	N
KR2158R	3.0	20.00	N	N	30	700	N	150	50.0	<5	20	N
KR2159R	2.0	N	N	N	10	70	N	30	N	15	500	100.00
KR3001R	<1.0	15.00	N	10	N	>20,000	N	10	N	5	<10	N
KR3002R	3.0	20.00	N	20	<10	150	50	20	N	7	100	N
KR3003R	20.0	N	N	N	N	15	N	N	N	N	N	100.00
KR3004R	20.0	N	N	N	<10	7	N	N	N	<5	100	500.00
KR3005R	2.0	N	N	<5	<10	10	50	<5	N	N	50	N
KR3006R	3.0	N	N	N	N	<5	N	N	N	N	N	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KR2120R	N	N	200	<10	N	1,500	2,000	N	N	.05	.32
KR2121R	<5	N	200	20	N	10	1,000	150	N	N	N
KR2122R	5	N	700	10	N	1,000	>10,000	20	N	N	>6.00
KR2123R	10	N	500	70	N	30	3,000	150	N	N	.04
KR2124R	N	N	<100	15	N	<10	N	N	N	N	.04
KR2125R	N	N	N	700	N	N	N	N	N	1.00	.02
KR2126R	5	N	1,000	300	N	N	N	20	N	3.20	.14
KR2127R	N	N	N	700	N	N	N	N	N	.50	.06
KR2128R	N	N	1,000	50	70	10	N	<10	N	N	3.40
KR2129R	N	N	<100	10	N	<10	N	N	N	N	.04
KR2130R	10	N	500	200	N	15	N	200	N	N	.02
KR2131R	5	N	500	70	1,000	50	<200	150	N	N	1.80
KR2132R	5	N	100	50	N	10	N	150	N	N	.02
KR2133R	7	20	150	20	N	700	5,000	<10	N	.05	5.60
KR2134R	10	N	300	50	N	20	N	200	N	N	.06
KR2135R	7	N	1,000	30	N	100	1,000	100	N	.20	2.70
KR2136R	7	N	500	50	N	10	N	150	N	N	N
KR2137R	N	N	100	10	N	20	N	100	N	.70	N
KR2138R	5	N	700	15	N	30	N	N	N	N	N
KR2139R	10	N	500	15	70	70	700	<10	N	N	.04
KR2140R	N	N	<100	N	N	500	700	N	N	.30	1.10
KR2141R	N	N	150	20	N	200	5,000	N	N	N	.06
KR2142R	5	N	500	100	N	20	200	200	N	N	.14
KR2143R	<5	N	200	20	100	10	200	70	N	70.00	.16
KR2144R	10	N	100	100	N	30	700	150	N	5.00	N
KR2145R	10	N	150	70	N	20	N	150	N	N	N
KR2147R	10	N	150	50	N	20	<200	300	N	.20	N
KR2148R	10	N	100	50	N	10	N	100	N	120.00	.02
KR2149R	5	N	100	30	N	10	N	70	N	.30	N
KR2150R	15	N	100	100	N	15	<200	100	N	N	.02
KR2151R	N	N	N	10	N	N	N	N	N	.20	N
KR2152R	N	N	100	15	N	15	N	200	N	.20	N
KR2153R	<5	N	3,000	10	<50	300	>10,000	<10	N	.25	.14
KR2154R	N	N	2,000	<10	N	100	700	N	N	N	1.10
KR2155R	5	N	150	70	N	15	N	100	N	.20	.02
KR2156R	<5	N	<100	70	N	20	N	150	N	.10	N
KR2157R	<5	N	<100	50	N	10	N	100	N	.05	N
KR2158R	<5	N	<100	50	N	70	<200	30	N	.20	1.70
KR2159R	<5	N	100	50	N	10	500	100	N	66.00	.20
KR3001R	<5	N	200	70	N	10	N	10	N	.40	4.10
KR3002R	N	N	500	100	N	15	N	10	N	2.10	.12
KR3003R	N	N	<100	10	N	<10	N	N	N	.05	.04
KR3004R	N	N	N	20	N	10	N	100	N	.55	.04
KR3005R	10	N	700	70	N	20	N	100	N	6.10	.04
KR3006R	N	N	1,000	30	N	20	N	N	N	.10	.48

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Ri-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	F-ppm sl	U-inst
KR2120R	--	N	>2,000	4.1	N	36	.30	.5	240,000	1.10
KR2121R	--	40	530	1.1	N	2	1.10	1.0	3,300	2.50
KR2122R	--	60	>2,000	88.0	N	130	N	5.0	52,000	8.70
KR2123R	--	130	>2,000	4.4	N	N	N	8.5	300	1.90
KR2124R	--	N	20	N	N	N	N	N	100	.50
KR2125R	--	260	5	N	4	4	1.00	10.0	N	.65
KR2126R	--	440	20	N	2	14	1.60	14.0	N	.15
KR2127R	--	200	45	N	8	N	.65	1.5	400	.70
KR2128R	--	50	25	.3	N	80	1.60	230.0	500	.70
KR2129R	--	N	N	N	N	2	.15	6.0	100	.25
KR2130R	--	N	45	N	N	4	4.40	8.5	400	4.10
KR2131R	--	320	120	N	N	680	3.40	>650.0	59,000	1.10
KR2132R	--	20	45	N	N	200	2.60	20.0	400	2.20
KR2133R	--	30	>2,000	6.6	N	390	.10	2.5	180,000	3.70
KR2134R	--	N	65	.3	N	N	1.50	3.0	300	.50
KR2135R	--	N	980	32.0	N	260	.90	4.5	67,000	1.60
KR2136R	--	N	110	N	N	N	.35	.5	800	.40
KR2137R	--	N	35	N	N	N	1.00	10.0	100	7.70
KR2138R	--	N	45	.5	N	N	.15	1.0	N	.45
KR2139R	--	10	790	13.0	N	80	.30	140.0	19,000	2.80
KR2140R	--	N	880	3.2	N	10	N	.5	290,000	.55
KR2141R	--	N	>2,000	.4	N	14	N	.5	290,000	2.70
KR2142R	--	60	300	.3	N	N	2.50	4.5	800	1.70
KR2143R	--	90	350	.9	N	36	2.30	850.0	700	.40
KR2144R	--	20	560	1.0	N	N	1.60	6.0	700	.80
KR2145R	--	40	55	N	N	18	1.10	5.5	300	.35
KR2147R	--	10	100	N	N	22	3.40	7.0	300	.30
KR2148R	--	80	10	N	N	2	3.80	12.0	200	.20
KR2149R	--	20	30	N	N	N	3.30	11.0	8,200	.25
KR2150R	--	120	130	.1	N	2	.20	10.0	600	3.30
KR2151R	--	N	35	.1	N	2	.20	.5	100	.15
KR2152R	--	N	25	N	N	N	3.10	1.5	100	.55
KR2153R	--	>2,000	>2,000	12.0	N	100	.50	60.0	150,000	8.10
KR2154R	--	N	840	18.0	N	810	.35	.5	110,000	2.90
KR2155R	--	10	80	1.2	N	2	2.30	5.0	400	.20
KR2156R	--	30	20	N	N	2	1.50	2.0	200	2.50
KR2157R	--	N	15	N	N	N	.90	1.5	100	1.10
KR2158R	--	20	130	.5	27	10	1.80	6.0	200	27.00
KR2159R	--	30	640	1.4	N	50	2.30	7.0	200	.35
KR3001R	--	N	10	.2	10	<1	N	4.0	<100	10.00
KR3002R	--	5	30	.4	10	6	.40	4.0	200	1.00
KR3003R	--	N	10	N	N	1	<.20	.5	N	.25
KR3004R	--	N	20	.2	N	13	1.00	5.0	N	.15
KR3005R	--	10	55	.3	4	2	1.20	5.0	200	.65
KR3006R	--	10	15	.4	N	2	9.60	1.5	<100	1.40

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFF REFUG, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Hg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR3007R	32 58 27	114 6 40	5.00	1.00	.50	.300	700	.5	N	N	50	1,500
KR3008R	32 58 4	114 3 46	3.00	.50	>20.00	.015	2,000	.5	N	N	10	100
KR3009R	32 58 10	114 8 25	10.00	5.00	5.00	.700	1,000	1.5	N	N	50	1,000
KR3010R	32 58 55	114 7 3	.50	.07	.05	.070	20	.7	N	N	100	200
KR3011R	32 58 27	114 7 41	5.00	3.00	20.00	.150	3,000	N	N	N	700	300
KR3012R	32 58 28	114 6 44	5.00	1.00	2.00	.300	1,500	N	N	N	50	2,000
KR3013R	33 37 53	113 55 53	10.00	10.00	5.00	.700	1,500	N	N	N	20	1,000
KR3014R	33 20 10	113 55 18	7.00	5.00	1.50	.700	500	N	N	N	20	2,000
KR3015R	32 57 37	114 9 23	1.50	.50	2.00	.200	700	5.0	N	N	30	>5,000
KR3016R	33 19 6	113 58 2	.70	.02	<.05	.020	70	.5	N	N	30	70
KR3017R	33 11 15	113 45 15	1.50	.30	5.00	.150	700	N	N	N	50	1,000
KR3018R	33 2 1	114 5 47	.70	.05	.10	.050	100	N	N	N	10	500
KR3019R	32 58 10	114 8 25	.20	.05	10.00	.002	1,000	30.0	N	70	30	N
KR3020R	33 20 10	113 55 18	3.00	1.00	1.50	.200	1,500	N	N	N	50	1,000
KR3021R	32 58 18	114 7 34	1.00	.50	10.00	.050	1,500	10.0	N	N	1,000	100
KR3022R	32 58 4	114 3 46	2.00	1.00	3.00	.500	1,000	N	N	N	30	1,500
KR3023R	33 6 57	114 10 29	2.00	.30	10.00	.300	150	10.0	N	N	20	1,000
KR3024R	32 58 27	114 7 41	1.00	.10	2.00	.020	10	3.0	7,000	N	500	50
KR3025R	32 58 27	114 7 41	7.00	2.00	20.00	.100	>5,000	1.5	N	N	>2,000	70
KR3026R	32 58 27	114 7 41	1.00	.50	20.00	.010	3,000	N	N	N	100	200
KR3027R	32 58 28	114 6 10	1.50	.05	5.00	<.002	150	20.0	N	<10	30	200
KR3028R	32 58 26	114 6 31	3.00	1.00	5.00	.200	1,000	2.0	N	N	70	1,500
KR3029R	32 58 27	114 6 40	1.00	.15	>20.00	.015	>5,000	.7	N	N	N	N
KR3030R	32 58 17	114 7 17	.70	.15	10.00	.010	1,000	.5	N	N	200	300
KR3031R	32 58 28	114 6 10	5.00	1.00	5.00	.200	1,000	N	N	N	50	2,000
KR3032R	32 58 39	114 7 14	1.00	.70	.20	.150	200	2.0	N	N	70	1,500
KR3033R	32 58 18	114 7 34	5.00	1.00	2.00	.200	1,000	.5	N	N	50	1,500
KR3034R	32 58 4	114 3 46	5.00	1.00	.15	.500	500	N	N	N	50	2,000
KR3035R	32 59 0	114 6 33	.70	.15	5.00	.030	500	1.0	N	N	70	1,000
KR3036R	32 58 35	114 6 25	3.00	.07	5.00	.050	1,000	2.0	N	N	20	500
KR3037R	32 58 26	114 6 31	.30	.02	5.00	<.002	500	10.0	N	N	10	<20
KR3038R	33 37 53	113 55 53	2.00	1.00	3.00	.100	>5,000	N	1,000	N	100	>5,000
KR3039R	32 59 0	114 6 33	5.00	.20	5.00	.010	1,000	3.0	2,000	N	100	500
KR3040R	32 58 18	114 7 22	5.00	3.00	7.00	.300	1,500	N	N	N	150	500
KR3041R	33 1 36	114 6 13	3.00	.05	.30	.500	100	.5	N	N	30	1,000
KR3042R	33 2 1	114 5 47	.20	.05	10.00	.010	>5,000	100.0	N	N	50	100
KR3043R	33 18 3	113 55 18	.20	.50	2.00	.500	300	N	N	N	20	1,500
KR3044R	32 58 14	114 8 20	10.00	1.00	>20.00	.050	>5,000	5.0	N	N	1,000	200
KR3045R	32 57 37	114 9 23	10.00	.70	>20.00	.030	5,000	30.0	700	N	30	>5,000
KR3046R	32 58 35	114 6 25	3.00	.50	.50	.200	200	N	N	N	70	1,500
KR3047R	32 58 18	114 7 22	5.00	1.50	>20.00	.030	5,000	2.0	N	N	2,000	200
KR3048R	32 58 39	114 7 14	2.00	.20	5.00	.030	700	20.0	2,000	N	150	700
KR3049R	33 10 47	114 12 38	--	--	--	--	--	--	--	--	--	--
KR3050R	32 58 21	113 59 2	--	--	--	--	--	--	--	--	--	--
KR3051R	33 1 0	113 57 45	--	--	--	--	--	--	--	--	--	--

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Re-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR3007R	1.5	N	N	10	10	<5	<20	N	N	N	20	N
KR3008R	1.0	N	20	20	N	30	50	N	N	15	200	N
KR3009R	<1.0	N	N	5	50	5	50	N	N	30	30	N
KR3010R	<1.0	N	N	<5	10	10	N	N	N	N	N	N
KR3011R	<1.0	N	N	15	10	<5	<20	N	N	20	10	N
KR3012R	2.0	N	N	15	10	7	50	N	N	5	20	N
KR3013R	1.0	N	N	30	100	50	50	N	N	70	50	N
KR3014R	1.0	N	N	15	30	7	100	N	N	10	50	N
KR3015R	1.5	N	N	<5	N	150	<20	N	N	N	50	N
KR3016R	3.0	N	N	<5	N	7	<20	N	20.0	N	30	N
KR3017R	2.0	N	N	5	N	<5	<20	N	N	N	30	N
KR3018R	2.0	N	N	<5	N	N	N	N	N	N	10	N
KR3019R	N	20.00	N	N	N	20,000	N	N	N	N	N	N
KR3020R	1.5	N	N	15	20	700	50	N	N	5	30	N
KR3021R	<1.0	N	N	5	N	20	N	N	N	N	30	N
KR3022R	1.0	N	N	10	10	10	50	N	N	7	20	N
KR3023R	3.0	N	N	7	10	5	50	10	N	5	70	N
KR3024R	1.0	N	N	<5	N	20,000	N	5	N	<5	N	N
KR3025R	<1.0	N	N	50	50	700	N	N	N	20	50	N
KR3026R	N	N	N	<5	N	50	N	N	N	N	10	N
KR3027R	N	30.00	N	5	N	1,000	N	N	N	<5	10	N
KR3028R	3.0	N	N	10	N	20	<20	N	N	N	10	N
KR3029R	N	N	N	10	N	10	N	N	N	N	50	N
KR3030R	<1.0	N	N	5	<10	N	N	N	N	N	N	N
KR3031R	2.0	N	N	10	10	5	<20	N	N	N	20	N
KR3032R	1.5	N	N	5	N	50	50	N	N	N	N	N
KR3033R	2.0	N	N	10	N	50	50	N	N	N	15	N
KR3034R	2.0	N	N	15	20	10	100	N	<20.0	10	70	N
KR3035R	1.0	N	N	<5	N	200	N	N	N	<5	N	N
KR3036R	<1.0	20.00	N	15	N	100	70	N	N	5	30	N
KR3037R	N	N	N	<5	N	7	N	N	N	<5	N	N
KR3038R	1.5	N	N	N	70	1,000	<20	500	N	15	>20,000	N
KR3039R	<1.0	20.00	N	5	N	>20,000	N	50	N	5	100	150.00
KR3040R	<1.0	N	N	30	50	150	<20	N	N	20	50	N
KR3041R	1.0	N	N	5	10	50	50	N	N	5	20	N
KR3042R	15.0	N	N	<5	N	20	N	N	N	N	N	150.00
KR3043R	1.5	N	N	10	<10	20	100	N	<20.0	<5	50	N
KR3044R	<1.0	15.00	N	20	10	2,000	N	70	N	5	70	N
KR3045R	1.5	N	<20	N	10	N	N	<5	N	N	1,000	N
KR3046R	2.0	N	N	7	10	15	<20	N	N	<5	20	N
KR3047R	N	<10.00	N	50	10	10	N	N	N	30	70	N
KR3048R	1.0	N	N	15	N	>20,000	N	150	N	5	20	N
KR3049R	--	--	--	--	--	--	--	--	--	--	--	--
KR3050R	--	--	--	--	--	--	--	--	--	--	--	--
KR3051R	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KR3007R	10	N	700	100	N	20	N	100	N	N	.10
KR3008R	N	N	300	50	N	50	<200	N	N	.35	.04
KR3009R	30	N	1,500	200	N	30	<200	100	N	N	.06
KR3010R	N	N	N	50	N	10	N	500	N	N	.04
KR3011R	10	N	500	50	N	50	N	20	N	N	.04
KR3012R	15	N	500	100	N	30	N	150	N	N	.04
KR3013R	30	N	500	150	N	30	300	150	N	N	.18
KR3014R	15	N	700	100	N	30	N	200	N	N	.20
KR3015R	<5	N	300	70	N	<10	300	100	N	N	.06
KR3016R	N	N	N	10	N	50	N	150	N	.15	.10
KE3017P	<5	N	200	50	N	15	N	50	N	N	.82
KR3018R	N	N	N	10	N	10	N	20	N	N	.04
KR3019R	N	N	300	15	N	20	N	N	N	83.00	.46
KR3020R	10	N	<100	100	N	20	N	150	N	N	.36
KR3021R	N	N	500	10	N	15	N	N	N	.55	.10
KR3022R	10	N	500	50	N	20	N	150	N	N	.04
KR3023R	10	N	500	50	N	20	N	150	N	.10	.04
KR3024R	N	N	300	300	N	<10	N	<10	N	.40	.14
KR3025R	.10	N	2,000	70	N	30	<200	N	N	<.05	.04
KR3026R	<5	N	700	10	N	50	N	N	N	N	.04
KR3027R	N	N	700	70	N	<10	N	N	N	15.00	.08
KR3028R	7	N	300	100	N	15	N	150	N	.40	.08
KR3029R	N	N	1,500	30	N	15	N	N	N	.35	.06
KR3030R	N	N	300	100	N	10	N	10	N	.20	.04
KR3031R	10	N	500	100	N	20	N	150	N	<.05	.04
KR3032R	5	N	N	30	N	20	N	150	N	<.05	.02
KR3033R	10	N	500	100	N	20	N	100	N	<.05	.14
KR3034R	5	N	200	100	N	50	N	200	N	N	.04
KR3035R	N	N	<100	150	N	10	N	20	N	N	.04
KR3036R	N	N	500	15	50	30	N	N	N	5.80	.22
KR3037R	N	N	200	10	N	<10	N	N	N	4.00	.36
KR3038R	10	N	5,000	500	N	15	500	20	N	.10	.22
KR3039R	N	N	300	200	N	50	<200	100	N	.05	1.00
KR3040R	20	N	500	200	N	30	N	100	N	<.05	.08
KR3041R	10	N	N	20	N	20	N	150	N	N	.04
KR3042R	N	N	200	<10	N	10	N	N	N	<.05	.04
KR3043R	7	N	300	70	N	30	N	200	N	<.05	.02
KR3044R	7	N	1,000	20	N	70	<200	N	N	.05	.10
KR3045R	N	N	500	100	N	50	3,000	N	N	.05	.10
KR3046R	10	N	200	70	N	20	N	100	N	<.05	.06
KR3047R	5	N	1,000	70	N	20	<200	N	N	1.00	.12
KR3048R	N	N	200	100	N	15	200	15	N	.05	.40
KR3049R	--	--	--	--	--	--	--	--	--	N	.06
KR3050R	--	--	--	--	--	--	--	--	--	N	.02
KP3051P	--	--	--	--	--	--	--	--	--	N	.10

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Pb-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	F-ppm si	U-inst
KR3007R	--	<5	10	N	N	N	.60	.5	300	.45
KR3008R	--	30	140	18.0	N	13	.20	6.0	<100	.45
KR3009R	--	5	130	.3	N	1	.40	2.0	200	.35
KR3010R	--	N	N	N	N	N	.20	2.5	400	.10
KR3011R	--	<5	30	.4	N	N	<.20	.5	100	.35
KR3012R	--	<5	30	.1	N	N	1.40	6.0	400	.75
KR3013R	--	5	210	N	N	1	.60	.5	300	.20
KR3014R	--	N	50	N	N	N	.40	2.0	300	.20
KR3015R	--	<5	180	.8	N	N	1.20	4.0	3,500	.35
KR3016R	--	<5	10	N	N	10	1.40	2.5	N	.15
KR3017R	--	10	10	.1	N	4	.40	1.5	100	1.10
KR3018R	--	N	<5	N	N	1	1.20	.5	N	.15
KR3019R	--	25	25	.5	22	4	N	.5	N	6.10
KR3020R	--	N	10	.1	N	N	.20	2.0	200	.30
KR3021R	--	N	10	.4	N	N	<.20	4.0	N	.30
KR3022R	--	N	40	.4	N	1	.60	2.0	200	.35
KR3023R	--	30	15	1.0	2	28	2.40	2.0	200	.80
KR3024R	--	>2,000	<5	.2	N	55	<.20	3.0	N	.45
KR3025R	--	15	80	1.7	N	1	N	2.5	200	1.40
KP3026R	--	30	5	.8	1	8	.20	1.5	N	.35
KR3027R	--	120	5	.1	25	4	N	2.5	N	.27
KR3028R	--	10	10	.2	N	4	.60	3.0	600	.63
KR3029R	--	20	10	.7	N	5	.20	3.0	N	.56
KR3030R	--	40	10	.2	N	6	N	1.0	N	.97
KR3031R	--	30	20	.2	N	4	.60	4.0	300	.64
KR3032R	--	10	<5	N	N	4	.60	4.0	400	.13
KR3033R	--	15	5	.1	N	3	.80	6.0	600	.15
KR3034R	--	40	25	N	N	7	1.00	5.0	600	.25
KR3035R	--	10	N	.1	N	2	.40	4.0	N	.30
KR3036R	--	10	<5	.4	16	3	.40	5.0	N	1.40
KR3037R	--	5	N	.1	<1	2	<.20	.5	N	.27
KR3038R	--	1,400	250	.3	N	98	100.00	1.0	200	1.80
KR3039R	--	1,100	40	1.8	10	150	.40	N	N	25.00
KR3040R	--	15	70	.2	N	1	.30	6.0	300	.49
KR3041R	--	140	20	N	N	22	2.50	15.0	200	.38
KR3042R	--	20	10	.5	N	5	.80	N	N	.08
KR3043R	--	10	30	N	N	5	.80	2.0	300	.28
KR3044R	--	220	80	1.5	3	9	<.20	N	N	6.60
KR3045P	--	750	300	7.7	N	67	.40	25.0	500	3.20
KR3046R	--	10	10	N	N	5	.60	10.0	400	.27
KR3047R	--	15	100	1.0	N	9	<.20	5.0	100	.51
KR3048R	--	1,500	40	5.9	N	42	<.20	3.0	N	25.00
KR3049R	N	N	90	N	N	4	.65	1.0	500	.60
KR3050R	N	10	5	N	N	N	.65	.5	400	.84
KR3051R	N	120	280	.1	N	66	.65	21.0	200	.35

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Al-ppm S	B-ppm S	Ba-ppm S
KR3052R	33 1 0	113 57 45	--	--	--	--	--	--	--	--	--	--
KR3053R	33 0 51	113 58 58	--	--	--	--	--	--	--	--	--	--
KR3054R	33 0 51	113 58 58	--	--	--	--	--	--	--	--	--	--
KR3055R	33 0 36	113 58 52	--	--	--	--	--	--	--	--	--	--
KR3056R	33 0 36	113 58 52	--	--	--	--	--	--	--	--	--	--
KR3057R	33 1 45	113 58 46	--	--	--	--	--	--	--	--	--	--
KR3058R	33 1 45	113 58 46	--	--	--	--	--	--	--	--	--	--
KR3059R	33 2 16	113 59 8	--	--	--	--	--	--	--	--	--	--
KR3060R	33 2 16	113 59 8	--	--	--	--	--	--	--	--	--	--
KR3061R	32 57 49	114 2 46	--	--	--	--	--	--	--	--	--	--
KR3062R	32 57 49	114 2 46	--	--	--	--	--	--	--	--	--	--
KR5000R	33 3 30	114 10 30	1.00	.50	.50	.050	500	2.0	N	N	10	700
KR5001R	33 3 30	114 10 30	3.00	1.50	.20	.200	1,000	2.0	N	N	50	1,000
KR5002R	33 3 30	114 10 30	2.00	1.00	.30	.300	200	2.0	N	N	10	2,000
KR5003R	33 0 30	114 9 50	3.00	.70	.50	.300	500	1.5	N	N	30	1,000
KR5004R	33 0 30	114 9 50	5.00	1.50	.50	.300	1,000	1.5	N	N	50	1,000
KR5005R	33 0 30	114 9 50	5.00	.70	.20	.300	300	1.0	N	N	10	1,000
KR5006R	33 0 30	114 9 50	7.00	1.00	.30	.300	200	3.0	N	N	10	1,000
KR5007R	33 0 30	114 9 50	1.50	.70	.10	.150	300	1.0	N	N	50	700
KR5008R	33 0 30	114 9 50	5.00	1.00	.30	.300	300	1.5	N	N	15	3,000
KR5009R	33 0 30	114 9 50	1.00	.20	.05	.150	100	2.0	N	N	10	300
KR5010R	33 0 30	114 9 50	2.00	.20	.30	.200	100	2.0	N	N	10	1,000
KR5011R	33 0 30	114 9 50	.70	.05	.20	.050	500	20.0	N	N	20	500
KR5012R	33 0 30	114 9 50	.70	.15	.10	.070	100	1.0	N	N	30	1,000
KR5013R	33 0 30	114 9 50	1.50	.15	.20	.200	50	7.0	N	N	10	2,000
KR5014R	33 0 30	114 9 50	2.00	.15	.10	.200	200	5.0	N	N	10	1,000
KR5015R	32 59 0	114 7 0	.20	.20	2.00	.030	300	N	N	N	2,000	100
KR5016R	32 59 0	114 7 0	.30	.15	20.00	.050	2,000	N	N	N	200	200
KR5017R	32 59 0	114 7 0	1.00	.20	2.00	.020	1,000	50.0	N	N	2,000	150
KR5018R	33 2 31	114 5 59	5.00	1.50	1.00	.200	700	7.0	N	N	150	200
KR5019R	33 2 31	114 5 59	.50	.20	1.00	.050	300	2.0	N	N	100	500
KR5020R	33 2 31	114 5 59	5.00	1.00	15.00	.500	1,000	50.0	N	N	200	700
KR5021R	33 2 31	114 5 59	.70	.05	.10	.100	100	1.0	N	N	50	300
KR5022R	33 2 31	114 5 59	.50	.07	.10	.030	50	.5	N	N	10	500
KR5023R	33 2 31	114 5 59	.20	.10	.15	.020	20	.7	N	N	10	500
KR5024R	33 2 31	114 5 59	.50	.10	.10	.050	30	1.0	N	N	30	500
KR5025R	33 2 31	114 5 59	.70	.15	.20	.030	500	<.5	N	N	20	700
KR5026R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5027R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5028R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5029R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5030R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5031R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5032R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5033R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5034R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5035R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5036R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5037R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5038R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5039R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5040R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5041R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5042R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5043R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5044R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5045R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5046R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5047R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5048R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5049R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5050R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5051R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5052R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5053R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5054R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5055R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5056R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5057R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5058R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5059R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5060R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5061R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5062R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5063R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5064R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5065R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5066R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5067R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5068R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5069R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5070R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5071R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5072R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5073R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5074R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5075R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5076R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5077R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5078R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5079R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5080R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5081R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5082R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5083R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5084R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5085R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5086R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5087R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5088R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5089R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5090R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5091R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5092R	33 2 31	114 5 59	3.00	5.00	20.00	.150	2,000	N	N	N	2,000	300
KR5093R	33 2 31	114 5 59	.20	.10	.20	.050	500	N	N	N	300	200
KR5094R	33 2 31	114 5 59	.70	.05	.50	.030	500	<.5	N	N	<10	N
KR5095R	33 2 31	114 5 59	.50	.02	.30	.030	10	1.0	N	N	20	300
KR5096R	33 2 31	114 5 59	5.00	2.00	.10	.700	1,000	<.5	N	N	>2,000	1,000
KR5097R	33 2 3											

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Re-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR3052R	--	--	--	--	--	--	--	--	--	--	--	--
KR3053R	--	--	--	--	--	--	--	--	--	--	--	--
KR3054R	--	--	--	--	--	--	--	--	--	--	--	--
KR3055R	--	--	--	--	--	--	--	--	--	--	--	--
KR3056R	--	--	--	--	--	--	--	--	--	--	--	--
KR3057R	--	--	--	--	--	--	--	--	--	--	--	--
KR3058R	--	--	--	--	--	--	--	--	--	--	--	--
KR3059R	--	--	--	--	--	--	--	--	--	--	--	--
KP3060R	--	--	--	--	--	--	--	--	--	--	--	--
KR3061R	--	--	--	--	--	--	--	--	--	--	--	--
KR3062R	--	--	--	--	--	--	--	--	--	--	--	--
KR5000R	<1.0	N	<20	5	N	70	100	N	N	<5	300	N
KR5001R	1.5	N	N	10	20	50	<20	N	N	20	1,000	N
KR5002R	1.0	N	N	7	15	10	<20	10	<20.0	10	500	N
KR5020R	1.0	N	N	7	20	15	50	5	N	5	30	N
KR5021R	1.0	N	N	7	20	15	50	5	N	10	10	N
KR5022R	<1.0	N	N	7	20	30	50	7	N	10	10	N
KR5023R	1.5	N	N	10	70	50	50	20	N	30	20	N
KR5024R	1.0	N	N	5	10	5	<20	N	N	10	N	N
KR5025R	1.0	N	N	7	15	70	N	10	N	20	15	N
KR5026R	1.5	N	N	5	10	10	<20	<5	N	15	N	N
KR5027R	1.0	N	N	<5	20	20	<20	15	<20.0	15	300	N
KR5027R	2.0	N	N	5	<10	5	N	N	N	5	N	N
KR5028R	1.0	N	N	N	<10	5	N	10	N	5	20	N
KR5029R	1.0	N	N	<5	10	20	<20	<5	N	20	15	N
KR5030R	1.0	N	N	7	10	50	<20	<5	N	15	20	N
KR5031R	N	N	N	N	N	<5	N	N	N	<5	N	N
KR5032R	N	N	N	N	N	10	N	N	N	N	15	N
KR5033R	N	<10.00	N	5	50	20,000	N	N	N	<5	N	N
KR5034R	20.0	N	N	7	20	50	N	N	N	15	15	N
KR5035R	3.0	N	N	<5	<10	50	N	N	N	5	N	N
KR5036R	2.0	N	N	7	20	50	<20	N	N	5	50	N
KR5037R	1.5	N	N	<5	N	10	N	N	N	<5	N	N
KR5038R	1.0	N	N	<5	N	<5	50	N	N	<5	15	N
KR5039R	1.0	N	N	<5	N	<5	N	N	N	<5	15	N
KR5040R	1.0	N	N	<5	N	10	<20	N	N	<5	15	N
KR5041R	1.5	N	N	<5	N	<5	50	N	N	<5	20	N
KR5042R	3.0	N	N	<5	N	<5	<20	N	N	<5	20	N
KR5043R	N	N	N	N	N	100	N	N	N	<5	N	N
KR5044R	2.0	<10.00	N	70	20	2,000	50	100	N	5	50	100.00
KR5045R	<1.0	N	N	10	10	20	<20	7	N	10	20	N
KR5046R	<1.0	N	N	N	N	N	N	N	N	<5	N	N
KR5047R	N	N	N	N	N	<5	N	N	N	<5	N	N
KR5048R	<1.0	N	N	N	N	15	N	N	N	<5	N	N
KR5049R	<1.0	N	N	<5	<10	20	<20	N	N	5	20	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KR3052R	--	--	--	--	--	--	--	--	--	N	N
KR3053R	--	--	--	--	--	--	--	--	--	.10	.06
KR3054R	--	--	--	--	--	--	--	--	--	N	N
KR3055R	--	--	--	--	--	--	--	--	--	15.00	2.00
KR3056R	--	--	--	--	--	--	--	--	--	N	.08
KR3057R	--	--	--	--	--	--	--	--	--	.05	.12
KR3058R	--	--	--	--	--	--	--	--	--	N	.04
KR3059R	--	--	--	--	--	--	--	--	--	N	.06
KR3060R	--	--	--	--	--	--	--	--	--	N	.04
KR3061R	--	--	--	--	--	--	--	--	--	20.00	.24
KR3062R	--	--	--	--	--	--	--	--	--	N	N
KR5000R	<5	N	100	20	N	15	10,000	50	N	N	.02
KR5001R	15	N	100	70	N	20	2,000	150	N	N	.06
KR5002R	5	N	200	50	N	15	10,000	150	N	N	.04
KR5020R	10	N	200	100	N	15	N	150	N	N	<.02
KR5021R	10	N	150	70	N	20	N	200	N	N	N
KR5022R	15	N	150	100	N	20	<200	150	N	K	<.02
KR5023R	10	N	200	100	N	20	700	150	N	.10	<.02
KR5024R	5	N	100	50	N	10	500	100	N	N	N
KR5025R	10	N	300	100	N	15	300	100	N	N	N
KR5026R	<5	N	100	30	N	<10	500	50	N	.10	.08
KR5027AR	7	N	300	50	N	15	200	300	N	N	.04
KR5027R	N	N	100	10	N	<10	N	50	N	.45	.36
KR5028R	N	N	150	20	N	10	<200	50	N	.05	N
KR5029R	5	N	200	50	N	10	1,000	150	N	.20	.04
KR5030R	5	N	200	50	N	10	1,000	150	N	.20	.12
KR5031R	N	N	100	10	N	<10	N	N	N	N	N
KR5032R	N	N	500	10	N	10	N	20	N	N	N
KR5033R	N	N	150	30	N	<10	N	<10	N	1.40	3.30
KR5034R	10	N	100	70	N	70	N	150	N	.40	.04
KR5035R	<5	N	100	20	N	<10	N	30	N	.10	N
KR5036R	10	N	500	100	N	20	N	150	N	1.10	.08
KR5037R	<5	N	<100	20	N	<10	N	50	N	.30	N
KR5038R	N	N	<100	10	N	10	N	100	N	N	.02
KR5039R	N	N	<100	10	N	10	N	70	N	N	N
KR5040R	N	N	100	10	N	10	N	70	N	N	N
KR5041R	N	N	200	10	N	10	N	150	N	N	.04
KR5042R	N	N	N	10	N	<10	N	100	N	N	.02
KR5043R	N	N	N	<10	N	100	N	500	N	N	.02
KR5044R	30	N	200	150	50	100	<200	500	N	<.05	.04
KR5045R	7	N	300	100	<50	30	N	100	N	N	.04
KR5046R	N	N	N	20	N	N	N	20	N	N	N
KR5047R	N	N	N	<10	N	N	N	N	N	N	N
KR5048R	N	N	N	15	N	<10	N	150	N	N	N
KR5049R	<5	N	500	50	N	50	N	20	N	N	.10

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUSE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	F-ppm Si	U-inst
KR3052R	N	20	25	.1	N	8	.60	.5	200	.25
KR3053R	N	30	45	3.3	N	20	.05	3.5	100	.70
KR3054R	N	10	35	.1	N	N	.50	.5	300	.30
KR3055R	2.30	1,300	5	.1	N	18	N	N	N	1.20
KR3056R	N	10	25	.1	N	<2	.50	1.0	300	.25
KR3057R	N	270	150	.1	N	680	21.00	21.0	200	.55
KR3058R	N	50	35	.2	N	10	4.50	2.5	400	.40
KR3059R	N	70	30	.2	N	20	2.40	24.0	100	.30
KR3060R	N	40	35	.1	N	6	1.90	1.0	200	.25
KR3061R	.25	80	200	1.0	N	88	.20	9.0	N	.40
KR3062P	N	30	40	.1	N	2	.50	1.5	400	.30
KR5000R	N	20	>2,000	16.0	N	N	1.40	2.0	100	1.90
KR5001R	N	N	730	1.2	N	N	.90	N	300	1.10
KR5002R	N	10	>2,000	.7	N	N	2.40	1.0	300	.90
KR5020R	N	40	35	.1	N	10	2.20	4.0	400	2.00
KR5021R	N	40	60	.1	N	2	1.20	3.0	200	1.10
KR5022R	N	120	100	.4	N	2	1.90	3.5	200	1.70
KR5023R	.05	90	430	1.8	N	8	2.00	4.5	400	4.00
KR5024R	N	20	300	.6	N	2	1.00	2.0	200	.55
KR5025R	N	70	280	1.1	N	<2	2.00	1.5	400	2.30
KR5026R	N	20	340	.5	N	2	1.10	1.5	100	1.50
KR5027AR	N	50	190	.8	N	18	4.20	3.0	300	1.40
KR5027R	N	20	50	.4	N	4	1.10	19.0	N	.70
KR5028R	N	30	50	.2	N	4	2.00	1.5	200	1.10
KR5029R	N	50	500	.7	N	6	3.00	2.5	200	.90
KR5030R	N	40	490	1.2	N	14	2.60	3.0	200	1.30
KR5031R	.05	N	5	.1	N	<2	.05	2.0	N	.45
KR5032R	.05	N	5	.4	N	N	.15	1.0	100	.30
KR5033R	6.30	N	5	.2	7	N	N	4.5	100	26.00
KR5034R	N	20	80	.1	N	<2	1.00	1.0	200	.45
KR5035R	N	10	20	.1	N	2	.90	.5	100	.30
KR5036R	N	<10	40	.5	N	2	.60	1.0	100	1.20
KR5037R	N	10	5	.1	N	N	.70	N	100	.30
KR5038R	N	<10	<5	N	N	N	2.70	2.0	100	1.10
KR5039R	N	N	5	N	N	N	1.40	N	200	.65
KR5040R	N	<10	10	N	N	N	2.00	N	100	1.30
KR5041R	N	N	20	N	N	N	1.90	.5	N	.60
KR5042R	N	N	5	N	N	10	2.10	1.0	100	1.10
KR5043R	.30	N	<5	N	N	N	N	13.0	N	.30
KR5044P	1.70	50	100	.8	600	70	1.10	70.0	600	5.60
KR5045R	N	20	20	.4	N	2	.30	120.0	400	8.90
KR5046R	N	N	<5	.1	N	N	.25	3.0	100	.25
KR5047R	.30	N	N	N	N	N	N	.5	N	.15
KR5048R	N	N	N	N	N	N	.20	3.5	100	.30
KR5049R	N	N	10	.9	N	N	N	1.0	200	2.60

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	P-ppm S	Ba-ppm S
KR5050R	33 33 23	114 5 44	N	<.02	.10	<.002	15	N	N	N	100	N
KR5051R	33 37 51	114 4 46	5.00	.02	.50	.005	200	7.0	N	N	10	100
KR5052R	33 37 51	114 4 46	10.00	2.00	1.00	1.000	1,000	N	N	N	10	700
KR5053R	33 37 51	114 4 46	1.50	.10	.15	.100	150	N	N	N	<10	500
KR5054R	33 37 51	114 4 46	<.05	<.02	.70	N	100	N	N	N	<10	50
KR5055R	33 37 51	114 4 46	7.00	1.00	1.00	.700	700	N	N	N	20	500
KR5056R	33 37 51	114 4 46	<.05	<.02	<.05	<.002	10	N	N	N	<10	30
KR5057R	33 37 51	114 4 46	1.50	.20	.20	.150	200	N	N	N	10	700
KR5058R	33 37 51	114 4 46	1.50	.50	.70	.070	500	N	N	N	30	700
KR5059R	33 37 51	114 4 46	.15	.05	N	.030	200	N	N	N	<10	100
KR5060R	33 37 51	114 4 46	2.00	.70	.30	.100	50	N	N	N	70	1,000
KR5061R	33 37 29	114 4 37	.30	<.02	.05	N	50	N	N	N	<10	N
KR5062R	33 37 29	114 4 37	2.00	.50	1.50	.500	10	2.0	N	N	100	700
KR5063R	33 37 29	114 4 37	2.00	.20	N	.200	70	.5	N	N	200	500
KR5064P	33 37 29	114 4 37	.05	.30	>20.00	.010	15	N	N	N	N	N
KR5065R	33 37 29	114 4 37	.20	10.00	20.00	.002	300	N	N	N	N	N
KR5066R	33 37 29	114 4 37	.20	10.00	20.00	.007	700	N	N	N	N	50
KR5067R	33 37 29	114 4 37	5.00	3.00	2.00	1.000	1,000	N	N	N	N	200
KR5068R	33 37 29	114 4 37	.20	.10	.50	.050	50	.5	N	N	20	200
KR5069R	33 37 29	114 4 37	7.00	5.00	2.00	1.000	1,000	1.0	N	N	10	700
KR5070R	33 37 29	114 4 37	3.00	2.00	5.00	.050	5,000	N	N	N	50	500
KR5071R	33 37 55	113 55 52	.15	.05	.20	.010	>5,000	N	1,500	N	200	>5,000
KR5072R	33 37 55	113 55 52	5.00	2.00	2.00	.700	1,000	N	N	N	20	700
KR5073R	33 37 55	113 55 52	2.00	1.00	1.00	.300	5,000	N	N	N	50	5,000
KR5074R	33 37 55	113 55 52	.30	.30	1.50	.005	>5,000	N	1,000	N	100	>5,000
KR5075R	33 37 55	113 55 52	3.00	1.50	10.00	.200	>5,000	N	300	N	50	>5,000
KR5076R	33 17 42	114 11 46	.30	.03	1.00	.050	300	N	N	N	70	150
KR5076RA	33 17 43	114 11 45	.50	.05	.50	.100	100	N	N	N	100	500
KR5078R	33 17 42	114 11 46	<.05	.20	2.00	1.000	100	N	N	N	100	N
KR5081R	33 17 56	113 58 7	2.00	.70	2.00	.300	500	5.0	200	N	10	2,000
KR5082R	33 17 56	113 58 7	1.50	.07	2.00	.200	50	5.0	N	N	10	700
KR5083R	33 17 56	113 58 7	1.00	.10	.70	.070	500	20.0	N	N	10	300
KR5084R	33 17 56	113 58 7	.20	.03	.30	.030	30	1.0	N	N	30	500
KR5086R	33 17 56	113 58 7	1.00	.02	N	.030	70	2.0	N	N	15	700
KR5087R	33 17 56	113 58 7	.70	.07	.05	.030	50	1.5	N	N	20	700
KR5088R	33 15 19	113 55 32	1.00	.10	.50	>1.000	300	50.0	N	N	20	50
KR5089R	33 15 19	113 55 32	2.00	.70	.10	.200	200	1.0	N	N	100	500
KR5090R	33 15 19	113 55 32	N	N	N	<.002	10	N	N	N	<10	N
KR5091R	33 15 22	113 54 59	5.00	1.50	1.00	.700	500	2.0	N	N	30	700
KR5092R	33 15 18	113 54 59	5.00	1.50	1.00	.300	700	N	N	N	150	1,000
KR5093R	33 15 13	113 55 0	1.00	.50	5.00	.070	1,500	N	N	N	10	70
KR5094R	33 15 13	113 55 0	5.00	1.50	3.00	.700	1,000	N	N	N	50	300
KR5095R	33 15 9	113 55 1	.10	.07	1.00	.010	300	N	N	N	10	50
KR5096R	33 15 9	113 55 1	3.00	1.50	1.00	.500	700	.5	N	N	50	700
KR5097R	33 15 6	113 55 2	5.00	2.00	.70	.500	700	N	N	N	200	1,000

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Re-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR5050R	N	N	N	N	N	N	N	N	N	<5	N	N
KR5051R	N	20.00	N	5	<10	20,000	N	N	N	<5	100	N
KR5052R	1.5	N	N	15	10	70	<20	N	N	<5	<10	N
KR5053R	1.5	N	N	N	N	50	50	N	N	<5	15	N
KR5054R	N	N	N	N	N	N	N	N	N	<5	N	N
KR5055R	1.5	N	N	15	10	70	<20	N	N	<5	10	N
KR5056R	N	N	N	N	N	N	N	N	N	<5	N	N
KR5057R	1.0	N	N	<5	N	<5	<20	N	N	<5	10	N
KR5058R	1.5	N	N	<5	N	N	<20	N	N	<5	N	N
KR5059R	N	N	N	N	N	N	N	N	N	5	N	N
KR5060R	1.5	N	N	7	<10	<5	<20	N	N	20	30	N
KR5061R	N	N	N	N	N	15	N	7	N	N	15	N
KR5062R	1.5	N	N	N	50	100	50	5	N	<5	700	N
KR5063R	1.5	N	N	<5	20	50	N	N	N	7	10	N
KR5064R	N	N	N	N	10	N	N	N	N	N	30	N
KR5065R	<1.0	N	N	5	N	<5	N	N	N	5	15	N
KR5066R	N	N	N	5	N	<5	N	N	N	7	<10	N
KR5067R	<1.0	N	N	20	100	50	<20	N	<20.0	50	N	N
KR5068R	N	N	N	<5	N	5	<20	N	N	<5	N	N
KR5069R	1.0	N	N	15	150	50	<20	N	<20.0	100	<10	N
KR5070R	1.0	N	N	5	<10	15	N	5	N	5	70	N
KR5071R	1.0	N	N	<5	20	700	50	700	N	5	>20,000	300.00
KR5072R	1.0	N	N	20	70	50	<20	<5	N	70	100	N
KR5073R	1.0	N	N	7	15	70	N	20	N	15	200	N
KR5074R	1.0	N	N	<5	20	2,000	50	1,500	N	15	20,000	200.00
KR5075R	1.0	N	N	10	50	200	<20	70	N	30	7,000	N
KR5076R	N	10.00	N	N	<10	N	50	7	N	N	10	N
KR5076RA	1.0	20.00	N	<5	<10	N	N	N	N	<5	10	N
KR5078R	N	<10.00	N	N	N	N	<20	N	30.0	N	<10	<100.00
KR5081R	1.0	N	N	5	10	10	50	N	N	<5	20	N
KR5082R	1.0	N	20	<5	<10	10	N	N	N	<5	50	N
KR5083R	1.5	N	N	<5	500	15	N	N	N	10	70	N
KR5084R	1.0	N	N	<5	N	N	<20	N	N	<5	30	N
KR5086R	<1.0	N	N	<10	<10	15	<20	N	N	<5	150	N
KR5087R	1.0	N	N	N	N	<5	N	N	N	<5	15	N
KR5088R	1.0	30.00	N	<5	<10	20,000	N	N	N	N	50	N
KR5089R	1.0	N	N	5	20	50	<20	N	N	<5	10	N
KR5090R	N	N	N	N	N	<5	N	N	N	N	N	N
KR5091R	1.0	N	N	20	50	50	50	10	<20.0	20	10	N
KR5092R	2.0	N	N	10	20	100	50	5	<20.0	20	30	N
KR5093R	<1.0	N	N	5	<10	15	N	N	N	10	15	N
KR5094R	1.0	<10.00	N	10	50	70	50	7	N	50	30	N
KR5095R	N	N	N	N	N	5	N	5	N	5	N	N
KR5096R	1.0	N	N	10	70	70	50	70	<20.0	20	70	N
KR5097R	1.5	N	N	7	50	10	150	N	20.0	15	20	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KR5050R	N	N	N	<10	N	N	N	N	N	N	N
KR5051R	N	N	N	30	N	N	<200	N	N	.10	1.20
KP5052R	30	N	<100	100	N	30	<200	150	N	N	.02
KP5053R	5	N	<100	10	N	50	N	200	N	N	N
KR5054R	N	N	N	N	N	<10	N	N	N	N	N
KP5055R	30	N	<100	100	N	30	300	200	N	N	.02
KR5056R	N	N	N	N	N	<10	N	N	N	N	N
KP5057R	5	N	N	<10	N	20	N	200	N	N	N
KR5058R	5	N	N	10	N	20	N	150	N	N	N
KR5059R	N	N	N	<10	N	10	N	N	N	N	N
KR5060R	7	N	N	30	N	30	<200	300	N	N	N
KR5061R	N	N	100	N	N	N	200	N	N	N	<.02
KR5062R	15	N	100	100	N	30	<200	150	N	N	.24
KR5063R	10	N	150	30	N	30	200	200	N	N	.08
KR5064R	N	N	200	N	N	N	N	N	N	N	.10
KR5065R	N	N	300	<10	N	<10	N	N	N	N	.04
KR5066R	N	N	150	N	N	<10	N	N	N	N	N
KR5067R	30	N	1,000	200	N	20	N	70	N	N	N
KR5068R	<5	N	N	10	N	<10	N	30	N	N	.06
KR5069R	20	N	500	150	N	20	N	100	N	N	<.02
KR5070R	5	N	200	20	N	20	N	70	N	N	N
KP5071R	N	N	5,000	700	N	<10	300	N	N	N	.10
KR5072R	20	N	500	150	N	30	200	150	N	<.05	N
KR5073R	7	N	1,000	50	N	10	200	150	N	N	N
KR5074R	N	N	>5,000	1,000	N	N	200	N	N	<.05	.56
KR5075R	10	N	1,500	200	N	N	<200	50	N	N	.18
KR5076R	N	N	N	15	N	<10	N	700	N	N	.04
KP5076RA	<5	N	100	20	N	<10	N	500	N	N	N
KR5078R	<5	N	N	15	N	<10	N	100	N	N	N
KR5081R	7	N	200	30	N	20	N	300	N	.70	N
KR5082R	<5	N	150	15	N	30	500	200	N	1.20	.12
KR5083R	<5	N	100	20	N	<10	200	100	N	.20	.16
KR5084R	N	N	100	10	N	<10	N	50	N	.10	N
KR5086R	N	N	100	20	N	<10	<200	70	N	<.05	N
KR5087R	N	N	100	15	N	<10	N	50	N	1.80	.04
KR5088R	5	N	N	30	50	<10	N	N	N	.40	.44
KR5089R	7	N	N	50	N	20	N	700	N	N	N
KR5090R	N	N	N	<10	N	<10	N	N	N	N	N
KR5091R	10	N	300	70	N	<10	N	150	N	N	N
KR5092R	15	N	200	100	N	30	N	100	N	N	N
KP5093R	5	N	300	20	N	10	N	20	N	N	N
KR5094R	15	N	300	100	N	50	N	100	N	N	N
KR5095R	N	N	100	10	N	<10	N	N	N	N	.02
KR5096R	15	N	300	200	N	20	N	150	N	N	N
KR5097R	20	N	300	100	N	50	N	200	N	N	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Pi-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	F-ppm si	U-inst
KR5050R	N	N	N	.1	N	N	N	N	N	.15
KR5051R	.45	10	65	.4	30	8	N	N	N	12.00
KR5052R	N	N	90	.1	N	N	.50	1.0	400	.80
KR5053R	N	N	<5	N	N	N	.25	2.0	100	1.10
KR5054R	N	N	<5	N	N	N	N	N	N	.05
KR5055R	N	N	270	.3	N	N	.30	2.0	500	1.30
KR5056R	N	N	<5	N	N	N	N	N	N	.30
KR5057R	.05	N	5	N	N	N	.35	1.5	300	1.90
KR5058R	N	N	<5	N	N	N	.40	2.0	300	.40
KR5059R	N	N	<5	N	N	N	N	.5	N	.25
KR5060R	N	N	<5	N	N	N	.75	1.5	400	.30
KR5061R	N	N	250	2.7	N	N	N	N	N	.35
KR5062R	N	30	110	1.7	N	N	1.00	8.0	400	2.50
KR5063R	N	50	170	.5	N	2	.60	6.0	300	2.30
KR5064R	N	N	5	.2	N	N	N	3.5	100	.45
KR5065R	N	N	80	.2	N	N	.05	3.5	100	.30
KR5066R	N	N	40	.2	N	N	.05	6.5	100	.45
KR5067R	N	20	75	.1	N	N	N	4.5	200	.80
KR5068R	<.05	N	<5	N	N	N	.20	4.5	100	.25
KR5069R	N	10	75	.1	N	N	.15	.5	300	.25
KR5070R	N	140	100	1.2	N	<2	.75	1.0	200	2.70
KR5071R	N	2,700	490	.1	N	240	100.00	1.0	N	.65
KR5072R	N	20	200	N	N	<2	.50	.5	200	1.50
KR5073R	N	50	50	N	N	<2	3.60	N	400	1.10
KR5074R	N	1,800	500	N	N	130	240.00	3.5	600	1.90
KR5075R	N	500	170	N	N	50	67.00	.5	200	1.00
KR5076R	N	N	<5	N	10	2	2.30	3.5	1,200	1.70
KR5076RA	.05	N	N	N	19	N	5.00	2.0	200	.40
KR5078R	N	N	<5	N	N	<2	1.10	1.0	12,000	7.90
KR5081R	N	220	45	N	N	2	3.50	.5	12,000	1.30
KR5082R	N	130	510	17.3	N	2	2.50	2.0	36,000	.70
KR5083R	1.10	40	190	N	N	<2	1.70	1.0	13,000	.65
KR5084R	N	20	5	N	N	N	2.50	N	100	2.20
KR5086R	4.80	50	95	N	N	N	3.40	N	N	1.70
KR5087R	N	20	15	N	N	N	2.50	.5	500	.75
KR5088R	N	N	75	1.3	52	N	N	.5	N	5.90
KR5089R	N	<10	30	N	N	N	.50	5.0	300	.70
KR5090R	N	N	<5	N	N	N	N	N	100	N
KR5091R	.05	<10	45	N	N	N	.40	N	400	.80
KR5092R	N	20	55	N	N	N	.30	.5	400	1.80
KR5093R	N	<10	20	N	N	N	.05	4.0	100	.40
KR5094R	N	30	55	.1	N	N	.15	9.5	200	3.30
KR5095R	N	N	5	N	N	N	.05	9.0	N	3.10
KR5096R	N	30	30	N	N	N	.50	3.0	500	4.50
KR5097R	N	N	95	N	12	N	.90	7.5	600	2.50

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Hg-pct. S	Ca-pct. S	Tl-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	B-ppm S	Ba-ppm S
KR5098R	33 15 42	113 56 4	.30	.15	1.50	.015	200	<.5	N	N	10	N
KR5099R	33 15 42	113 56 4	5.00	2.00	.70	.300	1,000	N	N	N	100	1,000
KR5100R	33 15 42	113 56 4	1.00	.20	.20	.050	150	N	N	N	20	700
KR5101R	33 15 42	113 56 4	.07	.03	10.00	.010	200	N	N	N	10	200
KR5102R	33 15 42	113 56 4	.05	.02	.20	.005	50	N	N	N	10	20
KR5103R	33 15 42	113 56 4	5.00	1.50	1.00	.300	1,000	N	N	N	200	1,500
KR5104R	33 15 42	113 56 4	1.00	.20	1.00	.050	700	N	N	N	10	1,500
KR5105R	33 15 42	113 56 4	.30	.10	.20	.010	2,000	N	N	N	1,000	100
KR5106R	33 15 42	113 56 4	N	<.02	.05	.002	<10	N	N	N	<10	N
KR5107R	33 15 42	113 56 4	5.00	.02	<.05	<.002	50	10.0	N	N	10	1,500
KR5108R	33 15 42	113 56 4	1.00	.15	.10	.100	70	1.0	N	N	20	700
KR5109R	33 15 42	113 56 4	.05	<.02	.07	.003	20	N	N	N	<10	N
KR5110R	33 15 42	113 56 4	1.00	.20	.70	.150	500	N	N	N	10	700
KR5111R	33 38 0	114 6 15	20.00	<.02	<.05	.010	<10	200.0	N	N	<10	200
KR5112R	33 38 0	114 6 15	5.00	.50	.50	.500	700	2.0	N	N	15	1,000
KR5113R	33 38 0	114 6 15	.05	<.02	N	.005	10	N	N	N	N	N
KR5114R	33 37 56	114 6 22	1.50	.10	.15	.070	300	N	N	N	10	500
KR5115R	33 37 53	114 6 25	15.00	.20	.15	.300	100	50.0	N	N	50	1,000
KR5116R	33 38 1	114 6 26	3.00	.07	.70	.015	50	200.0	N	N	10	300
KR5117R	33 38 1	114 6 30	2.00	.20	1.00	.150	700	.7	N	N	50	1,000
KR5118R	33 38 2	114 6 32	2.00	.05	1.50	.020	700	N	N	N	10	200
KR5119R	33 38 2	114 6 32	2.00	.15	.50	.150	500	N	N	N	20	500
KR5120R	33 38 3	114 6 37	3.00	.02	3.00	N	2,000	2.0	N	N	<10	70
KR5121R	33 38 3	114 6 37	2.00	.10	.50	.100	300	N	N	N	10	1,000
KR5122R	33 38 7	114 6 41	5.00	.50	.50	.200	700	N	N	N	20	700
KR5123R	33 38 7	114 6 41	1.00	.05	.70	.005	200	N	N	N	<10	100
KR5124R	33 18 2	113 57 44	2.00	1.00	2.00	.300	100	N	N	N	50	500
KR5125R	33 18 2	113 57 44	1.50	.20	.10	.150	150	.5	N	N	20	500
KR5126R	33 18 2	113 57 44	.70	.20	.20	.030	100	<.5	N	N	50	300
KR5127R	33 17 55	113 57 24	.50	.05	1.00	.030	100	.5	N	N	20	1,000
KR5128R	33 18 5	113 56 47	1.00	.05	.30	.050	150	N	N	N	50	150
KR5129R	33 17 7	113 57 24	5.00	1.00	.50	.500	700	15.0	N	N	10	700
KR5130R	33 17 7	113 57 24	1.50	.50	.20	.150	500	10.0	N	N	10	200
KR5131R	33 16 52	113 57 25	1.50	.15	.20	.070	200	N	N	N	10	1,000
KR5132R	33 16 48	113 57 20	1.50	.30	.05	.150	100	.7	N	N	30	700
KR5133R	33 16 48	113 57 20	.20	.05	<.05	.020	70	.5	N	N	10	150
KR5134R	33 16 48	113 57 20	1.50	.50	.15	.150	200	1.0	N	N	10	700
KR5135R	33 2 42	114 9 43	.70	.05	.020	.020	100	.5	N	N	10	300
KR5136R	33 25 44	113 53 15	.30	.02	<.05	.050	15	N	N	N	10	100
KR5137R	33 25 44	113 53 15	3.00	1.00	<.05	.200	500	N	N	N	30	700
KR5138R	33 25 44	113 53 15	1.50	.20	N	.700	200	N	N	N	100	1,000
KR5139R	33 25 44	113 53 15	.50	.05	<.05	.150	200	N	N	N	20	150
KR5140R	33 0 17	114 10 1	2.00	.50	.15	.200	300	.7	N	N	10	1,500
KR5141R	33 0 17	114 10 1	5.00	1.00	1.00	.300	1,000	1.0	N	N	10	1,500
KR5142R	33 0 17	114 10 1	5.00	1.50	1.00	.500	1,000	<.5	N	N	10	1,500

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR5098R	N	N	N	N	N	5	N	N	N	10	N	N
KR5099R	1.5	N	50	15	50	20	50	N	<20.0	70	20	N
KR5100R	1.5	N	<10	N	<10	<5	50	N	N	<5	30	N
KR5101R	<1.0	N	N	N	N	N	N	N	N	N	N	N
KR5102R	N	N	N	N	N	N	N	N	N	<5	N	N
KR5103R	1.0	N	15	7	15	N	50	N	N	15	30	N
KR5104R	1.0	N	<10	5	<10	<5	<20	N	N	5	150	N
KR5105R	2.0	N	N	N	N	N	N	N	N	5	70	N
KR5106R	N	N	N	N	N	N	N	N	N	<5	N	N
KR5107R	<1.0	10.00	<10	<5	<10	20,000	N	200	N	5	70	N
KR5108R	1.0	N	N	<5	N	1,000	70	5	<20.0	<5	50	N
KR5109R	1.0	N	N	N	N	10	<20	N	<20.0	5	N	N
KR5110R	1.5	N	N	<5	N	15	N	N	N	<5	30	N
KR5111R	N	30.00	20	7	20	1,500	N	10	N	N	1,500	100.00
KR5112R	1.5	<10.00	10	7	10	150	<20	N	N	N	10,000	N
KR5113R	N	N	N	N	N	<5	N	N	N	5	10	N
KR5114R	1.0	N	N	<5	N	5	N	N	N	<5	20	N
KR5115R	2.0	15.00	10	7	10	15,000	N	7	N	<5	20,000	<100.00
KR5116R	N	15.00	N	N	N	>20,000	N	50	N	N	150	N
KR5117R	1.5	N	N	<5	N	500	N	N	N	<5	50	N
KR5118R	<1.0	N	N	N	N	50	N	N	N	<5	N	N
KR5119R	1.5	N	<10	<5	<10	15	N	N	N	<5	15	N
KR5120R	N	N	N	N	N	7	N	<5	N	N	500	N
KR5121R	1.0	N	N	N	N	<5	N	N	N	<5	20	N
KR5122R	1.0	N	<10	5	<10	7	N	<5	N	<5	<10	N
KR5123R	N	N	N	<5	N	N	N	N	N	<5	N	N
KR5124R	1.0	N	10	7	10	5	N	N	N	10	10	N
KR5125R	1.5	N	10	<5	10	7	50	<5	<20.0	5	70	N
KR5126R	2.0	N	N	N	N	N	<20	N	N	5	20	N
KR5127R	<1.0	N	N	<5	N	5	<20	N	N	5	15	N
KR5128R	3.0	N	N	<5	N	<5	<20	N	30.0	5	30	N
KR5129R	<1.0	70.00	50	15	50	700	50	700	N	30	1,000	N
KR5130R	<1.0	15.00	<10	5	<10	20	N	70	N	15	100	N
KR5131R	1.0	N	<10	<5	<10	<5	50	7	<20.0	<5	50	N
KR5132R	1.0	N	N	5	N	15	<20	20	N	<5	20	N
KR5133R	<1.0	N	N	<5	N	<5	N	N	N	5	N	N
KR5134R	1.0	N	<10	5	<10	50	<20	10	N	5	30	N
KR5135R	<1.0	N	N	N	N	5	N	10	<20.0	5	100	N
KR5136R	N	N	N	N	N	5	<20	N	N	<5	N	N
KR5137R	2.0	N	10	10	10	<5	50	N	<20.0	20	<10	N
KR5138R	1.5	N	70	<5	<5	<5	200	N	<20.0	10	<10	N
KR5139R	<1.0	N	N	N	N	N	50	N	N	<5	N	N
KR5140R	1.0	N	<10	7	<10	15	50	N	N	7	10	N
KR5141R	1.0	N	10	10	10	15	50	N	N	7	150	N
KR5142R	1.0	N	10	10	10	15	100	<5	<20.0	20	15	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KP5098R	N	N	N	10	N	<10	N	N	N	N	N
KP5099R	20	N	300	150	N	30	<200	150	N	N	N
KR5100R	N	N	N	10	N	10	N	100	N	N	N
KR5101R	N	N	300	<10	N	<10	N	N	N	N	.02
KR5102R	N	N	N	<10	N	<10	N	N	N	N	.02
KR5103R	15	N	300	100	N	30	N	150	N	N	<.02
KR5104R	5	N	300	30	N	20	N	50	N	N	N
KR5105R	<5	N	N	<10	N	20	N	N	N	N	N
KR5106R	N	N	N	10	N	N	N	N	N	N	N
KR5107R	N	N	N	10	N	<10	N	N	N	.10	<.02
KR5108R	5	N	100	20	N	20	N	100	N	N	N
KR5109R	N	N	N	<10	N	N	N	N	N	N	N
KR5110R	5	N	150	20	N	30	N	20	N	N	N
KR5111R	<5	N	N	<10	N	N	500	N	N	2.00	.50
KR5112R	20	N	N	50	N	30	200	150	N	N	N
KR5113R	N	N	N	<10	N	N	N	N	N	N	<.02
KR5114R	5	N	N	<10	N	20	N	200	N	N	<.02
KR5115R	15	N	300	50	N	30	2,000	70	N	.20	.14
KR5116R	<5	N	N	<10	N	<10	<200	50	N	<.05	.02
KR5117R	5	N	N	10	N	10	N	150	N	<.05	.40
KR5118R	<5	N	N	10	N	10	N	100	N	<.05	N
KR5119R	7	N	100	10	N	30	N	200	N	N	N
KR5120R	N	N	N	N	N	N	N	N	N	N	.16
KR5121R	5	N	100	<10	N	20	N	200	N	N	N
KR5122R	10	N	100	20	N	30	N	300	N	N	N
KR5123R	N	N	N	<10	N	N	N	N	N	N	<.02
KR5124R	10	N	100	100	N	15	N	150	N	<.05	.02
KR5125R	5	N	100	15	N	20	N	200	N	N	.04
KR5126R	N	N	N	20	N	10	N	100	N	N	N
KR5127R	N	N	100	15	N	<10	N	70	N	N	.16
KR5128R	N	N	100	10	N	30	N	200	N	N	.04
KR5129R	15	N	150	50	3,000	30	200	100	N	.50	.02
KR5130R	<5	N	<100	30	150	<10	N	70	N	.15	.02
KR5131R	<5	N	100	10	N	20	N	200	N	N	N
KR5132R	5	N	100	30	70	15	N	50	N	.20	.04
KR5133R	N	N	N	10	N	<10	N	N	N	.05	N
KR5134R	5	N	150	30	100	15	<200	100	N	.55	.02
KR5135R	<5	N	100	10	N	15	N	100	N	N	.02
KR5136R	<5	N	N	10	N	15	N	1,000	N	N	.02
KR5137R	7	N	N	30	N	15	N	150	N	N	.16
KP5138R	30	N	N	200	N	50	N	200	N	N	.02
KR5139R	5	N	N	30	N	20	N	70	N	N	N
KR5140R	5	N	200	30	N	10	N	100	N	.05	<.02
KR5141R	15	N	300	50	N	20	N	100	N	.05	.04
KR5142R	20	N	500	70	N	50	N	50	N	N	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Bi-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	F-ppm Si	U-inst
KR5098R	N	N	10	N	N	N	N	N	N	<.05
KR5099R	N	N	100	N	N	N	.55	1.0	600	.35
KR5100R	N	N	20	N	N	<2	1.40	8.0	200	1.10
KR5101R	N	N	<5	N	N	N	.05	9.0	600	.15
KR5102R	N	N	10	N	N	N	N	9.0	N	.05
KR5103R	N	20	60	N	N	N	1.50	5.0	400	.70
KR5104R	N	N	35	N	N	N	2.20	3.0	100	1.50
KR5105R	N	N	<5	N	N	N	1.10	5.0	N	2.80
KR5106R	N	N	N	N	N	N	.05	3.5	N	.15
KR5107R	2.70	N	25	N	N	N	.05	4.0	N	2.80
KR5108R	N	N	20	N	N	N	1.00	8.5	100	7.90
KR5109R	N	N	<5	N	N	N	.05	1.0	N	6.30
KR5110R	N	N	25	N	N	N	.90	1.0	100	2.20
KR5111R	71.00	50	370	3.5	80	80	.15	N	N	11.00
KR5112R	3.50	10	75	.6	3	6	.70	5.0	500	3.30
KR5113R	.05	10	5	.2	N	16	N	N	N	.25
KR5114R	N	N	25	N	N	N	.20	1.0	100	1.10
KR5115R	35.00	70	600	5.5	11	36	.80	2.0	200	22.00
KR5116R	N	10	40	.3	13	N	.10	N	N	11.00
KR5117R	N	N	15	N	N	N	.45	4.0	100	1.70
KR5118R	N	N	25	N	N	N	.15	N	N	7.90
KR5119R	N	10	15	N	N	N	.30	1.0	100	3.70
KR5120R	N	N	15	.1	N	N	N	N	N	5.10
KR5121R	N	10	5	N	N	N	.30	N	100	3.60
KR5122R	N	10	45	N	N	N	.60	1.0	200	1.90
KR5123R	N	10	10	N	N	N	.10	2.5	N	.10
KR5124R	N	10	20	N	N	N	.30	N	100	.35
KR5125R	N	N	20	N	N	N	2.10	1.5	200	1.30
KR5126R	N	N	5	N	N	N	1.00	.5	300	.75
KR5127R	N	N	N	N	N	N	2.70	1.0	100	1.10
KR5128R	N	N	5	.1	N	N	1.10	1.5	100	1.10
KR5129R	8.30	10	150	.5	64	N	2.50	>500.0	500	4.70
KR5130R	2.40	N	45	.2	12	N	.65	400.0	100	.30
KR5131R	N	N	25	N	N	N	2.20	3.0	100	.70
KR5132R	.20	N	5	N	N	N	1.60	21.0	200	3.10
KR5133R	.05	N	5	N	N	N	.15	8.0	100	.50
KR5134R	.40	N	100	.2	N	N	1.20	22.0	200	2.00
KR5135R	N	10	30	.1	N	N	3.60	1.5	100	.70
KR5136R	.05	N	N	N	N	N	.10	3.0	100	1.10
KR5137R	N	N	10	N	N	N	.95	1.0	100	.60
KR5138R	N	N	N	N	N	N	1.80	2.0	100	1.20
KR5139R	N	N	N	N	N	N	.45	1.0	100	1.80
KR5140R	N	N	25	.2	N	N	.95	3.5	100	.25
KR5141R	.30	20	50	.3	N	N	.85	5.0	300	.40
KR5142R	N	N	70	N	N	N	1.00	N	300	.15

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Latitude	Longitude	Fe-pct. S	Mg-pct. S	Ca-pct. S	Ti-pct. S	Mn-ppm S	Ag-ppm S	As-ppm S	Au-ppm S	R-ppm S	Ra-ppm S
KR5143R	33 3 28	114 10 33	.50	.05	20.00	.070	50	200.0	N	N	<10	500
KR5144R	33 3 28	114 10 33	.10	.05	>20.00	.020	700	20.0	N	N	N	>5,000
KR5145R	33 3 28	114 10 33	1.50	.50	3.00	.100	1,000	7.0	N	N	30	1,500
KR5146R	33 3 28	114 10 33	.10	.02	15.00	.005	200	.7	N	N	N	>5,000
KR5147R	33 3 28	114 10 33	.50	.10	.20	.030	200	10.0	N	N	10	1,000
KR5148R	33 25 7	113 52 45	5.00	.50	.07	.150	50	N	N	N	50	2,000
KR5149R	33 25 7	113 52 45	10.00	.20	.20	.150	20	.5	200	N	70	500
KR5150R	33 25 7	113 52 45	1.00	1.00	.50	.150	500	<.5	N	N	10	5,000
KR5151R	33 25 7	113 52 45	2.00	1.00	.50	.200	500	N	N	N	10	1,000
KR5152R	33 25 7	113 52 45	5.00	.30	5.00	.300	1,000	N	N	N	10	150
KR5153R	33 25 7	113 52 45	10.00	.50	.10	.200	100	N	N	N	20	2,000
KR5154R	33 25 7	113 52 45	20.00	1.50	.05	.200	700	N	N	N	15	1,500
KR5155R	33 0 12	114 9 59	3.00	.70	1.50	.200	700	N	N	N	10	1,000
KR5156R	33 0 12	114 0 0	9.00	59.00	.50	.200	300	N	N	N	10	1,000
KR5157R	33 0 12	114 0 0	9.00	59.00	3.00	.200	700	N	N	N	10	1,000
KR5158R	33 0 12	114 9 59	3.00	1.00	1.00	.300	300	N	N	N	<10	1,000
KR5159R	33 0 12	114 9 59	5.00	2.00	2.00	.500	500	N	N	N	10	700
KR5160R	33 0 12	114 9 59	5.00	2.00	1.50	.300	700	N	N	N	10	700
KR5161R	33 0 12	114 9 59	3.00	1.00	1.50	.300	1,000	N	N	N	<10	1,500
KR5164R	32 58 43	114 1 16	.50	.20	.70	.030	200	N	N	N	10	500
KR5165R	33 2 0	114 10 8	3.00	1.00	.30	.300	500	3.0	N	N	<10	1,000
KR5166R	33 17 48	113 58 17	3.00	2.00	2.00	.300	1,000	.5	N	N	200	1,000
KR5167R	33 2 0	114 10 8	.50	2.00	20.00	.020	50	1.0	N	N	10	500
KR5174R	33 17 56	113 58 7	--	--	--	--	--	--	--	--	--	--
KR5175R	33 33 12	114 5 37	<20.00	.10	<.05	<.002	200	N	<200	N	150	N
KR5176R	33 33 8	114 5 39	.50	.05	.20	.020	500	1.5	N	N	10	200

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Be-ppm S	Bi-ppm S	Cd-ppm S	Co-ppm S	Cr-ppm S	Cu-ppm S	La-ppm S	Mo-ppm S	Nb-ppm S	Ni-ppm S	Pb-ppm S	Sb-ppm S
KR5143R	1.0	<10.00	N	N	<10	500	<20	5	N	5	>20,000	500.00
KR5144R	<1.0	N	N	N	N	N	50	N	N	N	15,000	N
KR5145R	1.5	N 5R	100	10	10	100	50	50	N	10	2,000	N
KR5146R	1.0	N	N	5	N	50	50	N	N	5	15,000	N
KR5147R	1.0	N	N	<5	10	15	<20	N	N	10	200	N
KR5148R	1.0	N	N	<5	10	50	N	7	N	<5	30	N
KR5149R	1.0	N	N	<5	20	100	150	50	N	5	50	N
KR5150R	1.5	N 0R	N	5	<10	<5	>1,000	N	<20.0	<5	150	N
KR5151R	1.0	N	N	7	<10	10	50	N	N	10	20	N
KR5152R	1.0	N	N	5	15	15	70	<5	<20.0	10	50	N
KR5153R	1.5	N	N	15	15	200	50	7	N	15	15	N
KR5154R	1.0	N	N	300	30	50	100	50	N	50	N	N
KR5155R	1.0	N	N	10	15	30	50	<5	N	15	20	N
KR5156R	1.0	N	N	7	10	5	<20	<5	<20.0	15	30	N
KR5157R	1.0	N	N	7	<10	<5	50	N	N	20	15	N
KR5158R	1.0	N	N	10	10	7	100	N	N	7	15	N
KR5159R	1.0	N	N	10	10	N	70	N	N	5	10	N
KR5160R	1.5	N	N	10	50	15	50	N	<20.0	30	20	N
KR5161R	1.5	N	N	10	10	5	50	N	N	5	30	N
KR5164R	N	N	N	<5	<10	<5	N	N	N	5	10	N
KR5165R	1.0	N	50	5	15	10	50	N	<20.0	10	700	N
KR5166R	1.5	N	N	20	30	70	70	20	<20.0	70	10	N
KR5167R	1.0	N	50	N	N	50	N	N	N	<5	3,000	N
KR5174R	--	--	--	--	--	--	--	--	--	--	--	--
KR5175R	1.0	70.00	N	200	30	2,000	N	300	N	50	100	500.00
KR5176R	1.5	N	N	5	<10	50	N	7	N	5	300	N

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Sc-ppm S	Sn-ppm S	Sr-ppm S	V-ppm S	W-ppm S	Y-ppm S	Zn-ppm S	Zr-ppm S	Th-ppm S	Au-ppm aa	Hg-ppm inst
KR5143R	5	N	2,000	20	N	100	N	<10	N	.05	.30
KR5144R	<5	N	1,500	<10	N	300	N	<10	N	N	.06
KR5145R	7	N	100	30	N	50	>10,000	100	N	<.05	.40
KR5146R	N	N	>5,000	<10	N	150	>10,000	N	N	N	.08
KR5147R	<5	N	200	30	N	<10	5,000	20	N	N	1.50
KR5148R	10	N	200	70	N	20	N	70	N	N	.76
KR5149R	10	N	300	100	N	10	N	50	N	.10	.06
KR5150R	<5	N	700	20	N	15	<200	300	N	N	N
KR5151R	10	N	300	70	N	20	N	100	N	N	N
KR5152R	15	N	700	150	N	30	N	100	N	N	N
KR5153R	10	N	200	100	N	30	N	100	N	N	N
KR5154R	5	N	<100	150	N	15	N	100	N	N	.06
KR5155R	15	N	500	70	N	20	N	150	N	N	N
KR5156R	7	N	300	50	N	30	N	500	N	N	.02
KR5157R	15	N	700	150	N	30	N	100	N	N	.02
KR5158R	10	N	500	70	N	20	N	150	N	N	.04
KR5159R	20	N	1,000	100	N	50	N	500	N	N	.02
KR5160R	20	N	300	100	N	50	N	200	N	N	.02
KR5161R	10	N	700	70	N	50	N	200	N	N	N
KR5164R	N	N	N	20	N	N	N	N	N	N	.06
KR5165R	10	N	300	70	N	20	5,000	200	N	N	<.02
KR5166R	15	N	100	150	N	50	N	200	N	N	.04
KR5167R	N	N	200	10	N	100	>10,000	20	N	.05	.30
KR5174R	--	--	--	--	--	--	--	--	--	.30	.30
KR5175R	N	N	N	20	300	N	200	N	N	3.50	.08
KR5176R	N	N	<100	15	N	N	1,000	20	N	.15	.10

TABLE 6. ANALYSES OF ROCK SAMPLES FROM THE KOFA NATIONAL WILDLIFE REFUGE, YUMA AND LA PAZ COUNTIES, ARIZONA--Continued

Sample	Te-ppm aa	As-ppm aa	Zn-ppm aa	Cd-ppm aa	Ri-ppm aa	Sb-ppm aa	Tl-ppm aa	W-ppm cm	P-ppm si	U-inst
KR5143R	N	N	65	1.4	5	200	.20	1.0	64,000	20.00
KR5144R	N	N	20	.7	N	22	N	3.0	680,000	.75
KR5145R	N	N	>2,000	100.0	N	4	.90	3.0	31,000	1.30
KR5146R	N	N	>2,000	1.9	N	18	N	3.0	18,000	1.40
KR5147P	N	10	>2,000	13.0	N	12	1.60	1.0	200	1.30
KR5148R	1.30	110	N	N	N	N	1.00	1.5	500	.60
KR5149R	14.00	270	10	N	N	4	.80	10.0	500	1.70
KR5150R	.25	N	220	.2	N	2	2.00	2.0	800	.70
KR5151R	N	N	20	N	N	N	.65	3.0	200	1.50
KR5152R	N	N	20	.2	N	N	N	1.5	300	.85
KR5153R	1.60	80	50	.3	N	N	1.20	4.0	500	3.20
KR5154R	.20	30	60	N	N	N	.80	3.5	400	1.60
KR5155R	N	N	30	N	N	6	.45	7.0	300	.65
KR5156R	.05	N	15	N	N	N	.50	2.0	200	.85
KR5157R	N	N	20	N	N	N	.20	5.0	300	.15
KR5158R	N	N	30	N	N	N	.75	1.0	200	.50
KR5159R	N	N	40	.1	N	N	.60	1.0	500	.45
KR5160R	N	N	80	N	N	N	.45	.5	500	.15
KR5161R	N	N	30	N	N	N	N	.5	200	1.30
KR5164R	N	N	10	N	N	N	.40	.5	N	.10
KR5165R	N	N	>2,000	45.0	N	N	2.60	4.5	200	.40
KR5166R	N	120	95	.5	N	N	1.10	16.0	2,700	1.30
KR5167R	N	N	>2,000	50.0	N	10	.40	1.0	110,000	1.90
KP5174R	.50	80	900	2.1	N	4	2.30	8.5	10,000	.25
KR5175R	150.00	120	20	.8	270	400	N	>500.0	N	20.00
KR5176R	.20	10	120	1.0	2	4	.25	3.0	100	.85