BOARD OF GOVERNORS

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Tempe

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Director
Department of Mineral Resources
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<td>Mining Engineers</td>
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</table>

Authorized U. S. Bureau of Land
Management Mineral Surveyors

NOTE: ABBREVIATIONS FOLLOWING NAMES INDICATE AVAILABILITY

PT - Available Part Time
FT - Available Full Time
PT/FT - Available Part Time or Full Time
GEOLOGISTS

COCHISE COUNTY

BOLLIN, Edgar M. (PT), RR2, Box 1006
Sierra Vista, 85635 ............. 458-9123

GILA COUNTY

FOWELLS, Joseph E. (PT), 124 Miami Gardens Dr., Miami, 85539 .............. 425-3633

MARICOPA COUNTY

CROSSMAN, Harold A. (PT), 6451 S. 22nd place
Phoenix, 85040 .................. 276-5954

EUGE, Kenneth M. (PT), 3754 Acoma Drive,
Phoenix, 85023 .................. 938-9421

GIARDINA, Sal (PT), 2604 E. Balboa
Tempe, 85282 .................... 838-0786

GREENSLADE, William M. (PT), 234 N. Central Ave., Suite 111-A, Phoenix, 85004.252-6051

LINDER, Harold (FT), 5803 S. Kenwood,
Tempe, 85283 ..................... 839-9440

GRIMM, Bert Eldon, (PT), 312 W. Glenrosa Ave., Phoenix, 85013 ............ 274-9597

MANERA, Paul A. (FT), 5251 N. 16th St.,
Suite 302, Phoenix 85016 .......... 263-0356

MIEHRTZ, Richard E. (FT), 2940 Casa Thomas,
Phoenix, 85016 .................. 277-6053

MILLER, Paul T. (PT), 33 E. 15th Street
Tempe, 85281 ..................... 967-4489

SPECIALITY

Subdivision soils studies and materials testing.

Uranium exploration.
Foundation engineering.

Environmental geology.
Engineering geology.

Engineering geology; geologic hazards; shallow geophysics; earthquake ground motion; slope stability; rock excavation.

Groundwater hydrology, water supply, dewatering, contamination.

Hydrology and economic geology.


Groundwater geology, exploration, longevity. Electrical resistivity Surveying.

Mine and geological examinations, feasibility studies, claim surveying.

Ground water; petroleum; environmental.
GEOLOGISTS

MARICOPA COUNTY

PE'WE', Troy L. (PT), Dept of Geology, Ariz. State Univ., Tempe, 85281 ......965-2883

ROESLER, Alan L. (PT), 9807 N. 56th Drive, Glendale, 85302 .............. 939-6133

THIELE, Heinrich J. (FT), 6250 E. Monterosa St., Scottsdale, 85251 ...... 947-9488

PIMA COUNTY

ARNOLD, L. Clark, (PT), 5115 N. Oracle Road, Tucson 85704 .............. 887-5341

BRISCOE, James A. (FT), 4500 E. Speedway, Suite 14, Tucson 85712 ........ 795-6097

COOK, Annan, (FT), 942 Wanda Vista Place, Tucson 85704 .............. 297-4908

CORN, Russell M., (FT), 8425 Desert Steppes Dr., Tucson 85710 ............ 298-1770

COURTRIGHT, James Harold (PT), 202 Suffold Dr., Tucson 85704 ............ 297-0747

DEN-BAARS, Dirk (FT), 6318 E. Hayne Street Tucson 85710 .................. 747-9551

EYDE, Ted H. (FT), Box 1127 Cortaro 85230 .................. 297-4330

GILMOUR, Paul Cameron, (FT), 3838 Calle de Soto, Tucson 85716 ............ 326-5450

HALPENNY, Leonard C. (FT), Water Development Corp., 3938 E. Santa Barbara Tucson 85711 .................. 326-1133

SPECIALITY

Construction, land use, planning environment. Wide experience in Central Arizona.

Engineering geology.

Mineral and hydrogeology.
Geophysics & remote sensing.
Evaluation of possible oil traps & secondary oil resources.

Copper exploration.

Base and precious metal, uranium and geothermal exploration.
Turnkey exploration contracts. Color aerial photography.

Mine or property examination and valuation. Exploration for and development of ore bodies.


Prospect and mine evaluation; exploration, non-ferrous minerals.

Limestone and nonmetallics, copper, gold and silver.

Nonmetallic mineral deposits. Natural zeolite deposits.

Mining geology, i.e., problems relating to exploration for and exploitation of mineral deposits.

Mine water supply; mine drainage; tailing pond hydrology.
Consultant in water resources.
GEOLOGISTS

PIMA COUNTY (Continued)

HARGIS, David R. (FT), 1735 E. Fort Lowell Rd.
Suite 5, Tucson 85719 .......... 881-4912

HARSHBARGER, John W. (FT), 1525 E. Kleindale
Rd, Tucson 85719 ............ 327-7224

HUCKINS, Daniel L. E. (PT), Box 50405,
Tucson 85703 ........ 742-3925 .. 888-7958

KIERSCH, George A. (FT), 4750 N. Camino Luz
Tucson 85718 .............. 299-3776

KINNISON, John E. (FT), 5115 N. Oracle Rd,
Tucson 85704 .............. 888-4794

LEPLEY, L. K. (PT/FT), 8841 N. Calle Loma
Linda, Tucson 85704 .......... 297-4647

LOGHRY, James D. (FT), 2121 E. Monte Vista
Dr., Tucson 85719 .......... 323-2945

LOWELL, J. David (FT), 5115 N. Oracle,
Tucson 85704 .............. 887-5341

MAC KENZIE, F. D. (FT), 5713 E. Rosewood
St., Tucson 85711 ............ 745-2415

PERRY, Albert J. (FT), 4370 S. Fremont Ave,
Tucson 85712 .............. 746-1451

PLATT, Wallace S. (FT), 7531 E. David Drive
Tucson 85730 .............. 790-1091

PYE, Willard D. (FT), 3418 N. Forgeus Ave.,
Tucson 85716 .............. 327-2956

SPECIALTY

Hydrogeology; groundwater exploration and development; mine dewatering; environmental impact assessment.

Groundwater investigations; well field design; water management.

Mining geology, particularly mapping.

Application geological sciences to engineering works; dams, tunnels, reservoirs, power plants, mines/quarries, etc.

General exploration and copper. Drilling & sampling: techniques & advice.

Remote sensing. Experienced in reconnaissance exploration for metals, industrial minerals, geothermals, oil and gas; coastal zone mapping and digital image processing.

Mining and exploration geologist; project management, prospect evaluation; porphyry copper, molybdenum, uranium & industrial mineral deposits.

Porphyry copper exploration and geology. Mining geology.


Metallic & nonmetallic mineral deposits.

Coal or hard-rock project. From initial field investigation thru final reserve drilling.

PIMA COUNTY (Continued)

RADABAUGH, Robert E. (PT), 5720 E. 9th St., Tucson 85711 ................. 745-5790

RIGG, Robert M. (PT), 3448 N. Jackson Ave., Tucson 85719 .................. 325-5135
(After 1 p.m.)

SCHREIBER, Joseph F. Jr. (PT), 6101 E. Oak St., Tucson 85711 ............... 747-7918

SEWELL, Charles R. (FT), 9191 E. Golf Links Rd, Tucson 85730 ............. 296-3492

SHEARER, Joseph E. (FT), 6821 E. Baker St., Tucson 85710 .................. 298-8125

STILL, Arthur R. (FT), 6840 Camino de Fray Marcos, Tucson 85718 ........... 742-2507

SUMNER, John S. (PT), 728 N. Sawtelle, Tucson 85716 ...................... 323-0720

THOMPSON, Mercer F. (FT), 8972 E. Calle Pasto, Tucson 85715 ........... 296-9492

WRIGHT, Jerome J., PhD (PT), 7711 E. Lee, Tucson 85715 ................... 885-1825

PINAL COUNTY

KUHN, John G. (PT), Box 1102 Kearny 85237 ......................... 363-5326

YAVAPAI COUNTY

HANDVERGER, Paul A. (FT), 13 Old Jerome Highway Clarkdale 86324 ...... 634-8466

WEATHERS, Gerald (FT), P. O. Box 826 Lake Montezuma 86342 ......... 567-4779

SPECIALTY

Mining geology.

Petroleum & bauxite exploration.
Above foreign: Egypt, Saudi Arabia, Columbia & Brazil (Bauxite)

Stratigraphy & sedimentation.

Data interpretation, water exploration.

Land status & Mining geology.

Hydrogeology, petroleum, geothermal.

Economic geology. Precious metals, uranium, copper.
Property evaluation, claim staking crew, geochemical sampling crew. Aerial photogra-
phy with photogrammetry and/or geologic interpretation.

Mineral exploration.
GEOLOGISTS

**YUMA COUNTY**

YOUELL, James R. (PT), P. O. Box 338  
Wenden 85357 .................. 859-3491

**SPECIALTY**

Preliminary patent procedures.  
Gold cyanidation, heap leaching, mine evaluation.

**ARICOPA COUNTY**

GREENSLADE, William M. (FT), 234 N. Central Ave., Suite 111-A, Phoenix 85004 252-6051

MANERA, Paul A. (FT), 5251 N. 16th St., Suite 302, Phoenix 85016 ....... 263-0356

**PIMA COUNTY**

GLASS, Charles E. (PT), 7860 N. Avenida de Carlotta, Tucson 85704 ........ 297-3503

HACKMAN, David B., (FT), 48-B N. Tucson Blvd.  
Tucson 85716 ................. 795-8380

NICHOLAS, David E. (FT), 7501 E. Calle Cabo  
Tucson 85715 .................. 296-0435

PETERS, William C. (PT), 5702 E. 7th St.,  
Tucson 85711 .................. 745-6807

SAVELY, James P. (FT), 4370 S. Fremont Ave.  
Tucson 85714 .................. 746-1451

VISCA, Paul J. (PT), 4541 E. Bellevue  
Tucson 85712 ................. 626-4448

WINTERS, Harry J. Jr. (FT), 4370 S. Fremont Ave., Tucson 85714 ........... 746-1451

**GEOPHYSICAL ENGINEERS**

**MARICOPA COUNTY**

MANERA, Paul A. (FT), 5251 N. 16th St., Suite 302, Phoenix 85016 ....... 263-0356

**SPECIALTY**

Groundwater hydrology. Water supply, dewatering, contamination.


Earthquake engineering, active faulting rock dynamics, remote sensing.

Mineral exploration and evaluation. Especially precious metals, gold & silver.

Rock mechanics.

Metals and industrial minerals exploration, prospect evaluation, mine evaluation.

Rock mechanics, slope stability.

Slope stability; statistical applications in geotechnics.

Valuation of mining properties and operations.
GEOPHYSICAL ENGINEERS

MARICOPA COUNTY (Continued)

SCHERFFY, Paul L. (FT), 1736 W. Carol Ave.
Phoenix 85021 \ldots 943-1051

PIMA COUNTY

ELLIOT, Charles L. (FT), 4653 E. Pima St.,
Tucson 85712 \ldots 323-2421

McALISTER, Edgar O. (FT), 9810 E. Broadway,
Tucson 85710 \ldots 296-8838

SUMNER, John S. (PT), 728 N. Sawtelle,
Tucson 85716 \ldots 323-0720

WEST, Robert E. (PT), 2400 E. Grant Rd.,
Tucson 85719 \ldots 326-8619

WIEDWILT, W. Gordon (PT), 2400 E. Grant Rd.,
Tucson 85719 \ldots 326-8619

SPECIALITY

Seismic interpretation of refraction and reflection data as applied to geotechnical site investigation and mineral and petroleum search. Integrate surface and subsurface geological and geophysical information into a total geoscientific evaluation.

Mining & engineering geophysics.

The combined use of geophysics and geology in the search for base and precious metal deposits.

Data interpretation. Water exploration.

Geophysical exploration. Application of geophysical methods to exploration for ore deposits, petroleum, groundwater, and in engineering studies.

Magnetics, gravity, induced polarization, resistivity, electromagnetic data and methods. Some experience in resistivity, S.P. and gamma ray logging.

METALLURGICAL ENGINEERS

APACHE COUNTY

KEYES, Harmon E. (PT), P. O. Box 213
Eagar 85925 \ldots 333-4448

COCHISE COUNTY

FERGUSON, William H. Jr., (PT), P.O. Drawer G,
Fort Huachuca 85613 \ldots 458-9656

Copper leaching. Autoxidation process developments for ferric sulphate production.

Hydro-metallurgy, leaching. Experienced and licensed as general engineering and heavy construction contractor.
METALLURGICAL ENGINEERS

GILA COUNTY

BEAN, James J. (PT), P. O. Box 413
Miami  85539  ..........  425-2304

MARICOPA COUNTY

BRADLEY, Robert C. (PT), 6240 N. 15th St.,
Phoenix  85014  ...............  

CONNOLLE, Kent B. (PT), 4737 W. Christy Dr.
Glendale  85304  261-5052

SENIOR, Franklin C. (PT), 1825 N. 11th Ave.
Phoenix  85007  253-8908

WORTH, W. Leslie (PT), 18218 130th Ave.,
Sun City West  85375  584-2262

PIMA COUNTY

BHAPPU, Roshan B. (PT), P. O. Box 17960,
Tucson  85731  792-2800

BRUSSOLO, V.A. (PT), 3819 N. Country Club
Rd., Tucson  85716  325-1955

DIXON, Dale C. Jr. (PT), 5401 E. 10th St.,
Tucson  85711  745-1021

DRESHER, William H. (PT), 1622 Entrada Diez,
Tucson  85718  299-3978

FUNKE, Werner (FT), 8612 E. Old Spanish
Trail Apt. 154, Tucson  85710  885-8266

HOLDERREED, F.L. (PT), 8718 Olympic Club
Circle, Tucson  85710  296-8979

KEATING, DR. Kenneth L., Univ of Ariz, Dept of Metallurgical Engineering,
Tucson  85721  626-2767

KUHN, Martin C. (FT), P. O. Box 17960,
Tucson  85711  792-2800

SPECIALTY

Flotation, cyanidation, heavy media.

Physical metallurgy, materials selection, failure analysis corrosion.

Physical metallurgy, fractography, heat treatment.

Lithium and aluminum and their alloys. Also registered land surveyor #12456.

Low grade metalliferous mineral deposits.

Extractive metallurgy.

Metallurgical processing, new venture analysis. Not available in Arizona.

Corrosion problems and material failures.

Hydro-mett flotation mineral processing
METALLURGICAL ENGINEERS

PIMA COUNTY (Continued)

LAGERGREN, C.F. (PT), c/o Applications Corp, 8835 E. Speedway, Tucson 85710 .. 886-5329

MOOS, Stanley M., (FT), 814 W. Chula Vista Rd., Tucson 85704 ............. 742-3478

MURPHY, Daniel J. (PT), 2600 Skyline Dr., Apt. 23, Tucson 85718 ....

NELSON, Roger R. (FT), 4125 E. 6th St., Tucson 85711 .............. 327-1288

OSBORN, Clyde E. (PT), 7215 E. Camino Valle Verde, Tucson 85715 ......... 885-3409

RABB, David D. (FT), 5200 Calle la Cima, Tucson 85718 ..............

THOMPSON, David L. (PT), Rt 8, Box 701-C, Tucson 85710 ............. 298-1907

WINKLER, Fred M. (PT), 6001 W. Rocking Circle, Tucson 85713...Winter. 883-5508 Summer. 339-4679

SPECIALTY

Mill design.

Properties and behavior of metals and alloys.


Extractive metallurgy. Copper, uranium, gold, silver and tungsten.

Not available in Arizona.

Hydrometallurgy, non-bauxite, alumina, process development.

Copper smelting and representation. Operating problems, layout, safety, personnel, management consultant.

MINING ENGINEERS

COCHISE COUNTY

METZ, Harry E. (PT), 500 Campbell St., Bisbee 85603 .............. 432-2148

COCONINO COUNTY

KYLE, John I. (PT), 1002 E. Hillcrest, Flagstaff, 86001 ............. 774-8541

GILA COUNTY

ATTAWAY, Michael (PT), P. O. Box 880, Miami 85539 .............. 473-4405

CONWELL, Cleland N. (FT/PT), P. O. Box 407 Globe 85501 .......... 425-5593

Coal production, estimation, reserve calculation, property evaluation, complex mine planning.

MINING ENGINEERS

GILA COUNTY (Continued)

FLETCHER, James B. (FT), 89 Smith Road,
Globe 85501 ...................... 425-9283

GERHARDT, Alvin W. (PT), 816 Agave Dr.
Globe 85501 ...................... 425-2714

HURST, Robert M. (FT), 18 Prickly Pear Dr.,
Globe 85501 ...................... 425-7537

LIESSMANN, John L. (PT), 121-A Miami Gardens,
Miami 85539 ...................... 425-7306

QUAY, J. H. (PT), Box 2910
Globe 85501 ...................... 425-2894

SLOAN, W. F., (PT), Rt 1, Box 614
Miami 85539 ...................... 425-7287

SORSEN, William W. (FT), 770 Sunset Drive
Globe 85501 ...................... 425-4096

SPECIALTY

Heap leaching, blast leach
in-place, in-place leaching,
in-situ leaching, copper, gold,
silver, uranium. Block cave
mining.

Underground.

Property investigation &
evaluation.

Design. Land surveyor.

Copper dump leaching. Mine
development. Expertise in devel­
opring and mining asbestos and
uranium in Gila County.

Ventilation in mines.

Surface and underground feasi­
bility and economics. Land
status determination.

Design and construction of
underground facilities; shafts,
mine development, mining
methods, mine materials hand­
ling, and raise boring.

Asbestos & gold heap leaching

Dust control; ground support;
weight control.

MARICOPA COUNTY

BENNETT, Anthony N. (PT), Box 1207
Goodyear 85538 ...................... 932-3946

COGGIN, H. Mason (FT), 4550 N. 12th St.,
Phoenix 85014 ...................... 264-6831

HENDRICKS, Robert S, ExecVP, J.S. Redpath Corp,
(FT), Box 27328, Tempe AZ 85282..968-3192

JAQUAYS, D. W. (PT), 1219 S. 19th Avenue
Phoenix 85009 ...................... 254-6494

MATT, Jim, (PT), 1009 W. Wagon Wheel Dr.,
Phoenix 85021 ...................... 944-4310

-9-
MINING ENGINEERS

MARICOPA COUNTY (Continued)

MATTHEWS, Gilbert John (Retired) (PT), 13126 N. 20th Lane, Phoenix 85029 .......... 942-6175

MIERITZ, Richard E. (FT), 2940 N. Casa Thomas Phoenix 85016 ............... 277-6053

O'LEARY, Dorman S. (PT), P. O. Box 1041, Wickenburg 85358 ............... 684-2287

SMITH, Harvey W. (FT), 4310 N. Brown Ave., Suite 5, Scottsdale 85251 ....... 946-3996

STRUTZEL, J. J. Jr., (PT) 5110 E. Osborn, Phoenix 85018 ............... 959-1917

TOGNONI, Hale C. (PT), Suite 1260, Del Webb's Townehouse, 100 W. Clarendon Phoenix 85013 ............... 263-0771

TWEEDY, George A., (PT), 3921 E. San Miguel, Paradise Valley 85253. (5-9 PM) 955-7967 (8-4 PM) 241-2030

MOHAVE COUNTY

BURTON, Robert S. (PT), P. O. Box 664, Riveriera 86442 ............... 758-5198

PIMA COUNTY

BOGGERO, Antonio, (FT), 3721 N. Cherry, Tucson 85719 ............... 795-8604

BRUSSOLO, V. A. (PT), 3819 N. Country Club Road, Tucson 85716 ............... 325-1955

CAPE, Jerry J. (PT), 7062 E. Mesa Grande Ct., Tucson 85715 ............... 298-6847

CHAPMAN, Robert T. (FT/PT), 265 W. Rosa, Green Valley 85614 ............... 625-5881

SPECIALTY

Mining engineer. 29 years experience in precious metals, lead-zinc, and copper underground hardrock mining and milling. USDA Forest Service Mineral Examiner.

Mine and geological examinations, feasibility studies, claim surveying.


Cyanide handling; MSHA regulatory approaches; mining.


Block caving, LHD, mine development. Planning by computer.

Low grade metalliferous mineral deposits.

All facets of development from prospect to production.

Exploration, evaluation, valuation, development planning, operations planning, general management consulting.
MINING ENGINEERS

PIMA COUNTY (Continued)

FRIEDMAN, A. A. (PT), P. O. Box 83
Green Valley 85614 ............... 625-3217

HALL, Arthur C. (PT), 4875 N. Campbell Ave.,
Tucson 85718 ..................... 299-6116

HALPENNY, Leonard C. (FT), 3938 E. Santa
Barbara, Tucson 85711 ........... 326-1133

HANNIFAN, Martin K. (PT), 8959 E. Woodland Rd., Tucson 85715 ............... 298-6612

HEINRICHS, Walter, (FT/PT), Box 5964,
Tucson 85703 ..................... 623-0578

HARSHBARGER, John W. (FT), 1525 E. Kleindale Rd., Tucson 85719 ............... 327-7224

JAMES, Robert C. (PT), 701 N. Crest Drive,
Tucson 85716 ..................... 795-0569

LOWELL, J. David (FT), 5115 N. Oracle
Tucson 85704 ..................... 887-5341

MARSHALL, Robert H. (FT), 4370 S. Fremont
Tucson 85714 ..................... 746-1451

MILNE, Steve, (FT), 4370 S. Fremont Ave.,
Tucson 85714 ..................... 746-1451

O'NEIL, Thomas J. (PT), 7040 E. Hacienda Repo, Tucson 85715 ............... 885-2713

PILLAR, C. L. (PT), 5115 N. Oracle Rd.,
Tucson 85704 ..................... 887-5341

PINCOCK, W. K. (FT), 4370 S. Fremont Ave.,
Tucson 85714 ..................... 746-1451

RICKARD, Forrest R. (FT), P. O. Box 370,
Ajo 85321 ......................... 387-7400

SPECIALITY

Evaluations, property acquisitions, ore reserves, open pit and underground planning.

Mine water supply; mine drainage; tailing pond hydrology. Consultants in water resources.

Mining operations, management counsel, methods planning and evaluation, operations appraisal.

Exporation Management Services (Geological engineer-geophysicist) Minerals, energy & ground water, special methods & equipment applications.

Groundwater, investigations, well field design, water management.

Porphyry copper exploration and geology.

Underground mining.

Mine valuation, financial analysis, taxes, royalties.

Development of major concepts in mine planning.

Open pit.

Copper open pit mining & smelting.
MINING ENGINEERS

PIMA COUNTY (Continued)

SCHOU, Hans H. (PT), 2137 E. Edison St.,
Tucson 85719 .................. 881-1092

SPLANE, John L. (PT), 618 Transamerica Bldg.
Tucson 85701 .................. 624-8025

STILL, J. W. (FT), 6310 Camino de Santa
Valera, Tucson 85718 ........... 299-9268

ST. PETER, Albert L. (FT), 6820 E. Speedway,
Tucson 85710 .................. 886-9761

WINKLE, Robert F. (FT), 4370 S. Fremont Ave.,
Tucson 85714 .................. 746-1451

FINAL COUNTY

BISHOP, Harold W. (PT), Box 595,
Kearny 85237 .................. 363-7762

GIROUX, Robert O. (PT), Box 562,
Kearny 85237 .................. 363-5388

SANTA CRUZ COUNTY

LENON, Robert (PT), Box 525,
Patagonia 85624 ............... 394-2951

YAVAPAI COUNTY

HIGHTOWER, Robert P. (PT), Drawer 668
Clarkdale 86324 ............... 634-8291

SUMMERS, David M. (FT), P. O. Box 656,
Camp Verde 86322 ............... 567-4053

TRAVIS, George E. (FT), 125 E. Whipple Place,
Prescott 86301 ................ 778-4568

ZINKL, Andrew J. (PT), 1602 N. Campbell
Prescott 86301 ................ 445-5763

YUMA COUNTY

CORNEJO, Louis A. (FT), P. O. Box 320,
Parker 85344 ................. 669-2619

SPECIALTY

Underground mining, exploration
and development.

Landman.

Block caving.

In-situ fragmentation and
treatment.

Full service mine feasibility,
geology, rock mechanics, mine
planning & design.

Mine planning. Open pit design.
Equipment selection.

Mining, minerals, materials
handling.

Also registered land surveyor
and U.S. Mineral surveyor.

Coal; (deep, pit, strip, contour)
beneficiation - wet, dry, air,
jig dense media, classification.

Feasibility studies.

Mining consultant. Feasibility
studies. Evaluation and economics
assistance operation, safety
and transportation analysis.

Placer testing and operating.

Mine examinations and mineral
surveys.
AUTHORIZED UNITED STATES BUREAU OF LAND MANAGEMENT
MINERAL SURVEYORS

GILA COUNTY

Gant, Travis L., P. O. Box 943,
Globe  85301............. 425-6131

Smith, O. T., P. O. Box 2735,
Globe  85501............. 425-5634

MARICOPA COUNTY

Adams, Robert E., 7534 N. 46th Circle,
Glendale  85301........... 934-9150

Nunnelley, Ralph B., 4550 N. 12th St.,
Phoenix  85013...........

Smith, Harvey W., 4310 N. Brown, Suite 5
Scottsdale  85251........ 946-3996

MOHAVE COUNTY

Kesler, Jack M., P. O. Box 655,
Kingman  86402...........

Williams, Jerry C., 4185 N. Roosevelt St.,
Kingman  86401........... 757-3954

PIMA COUNTY

Luckow, Thomas F., 7001 E. Redbud Rd.,
Tucson  85715............ 298-3508

McLain, Gordon W., 1520 W. San Lucas Dr.,
Tucson  85704............ 622-7272

Stitzer, John H., 1650 E. 18th St., Suite C,
Tucson  85719............ 882-9392

SANTA CRUZ COUNTY

Lenon, Robert, P. O. Box 525,
Patagonia  85624........ 394-2951

YUMA COUNTY

Cornejo, Louis A., 1221 Eagle Ave.,
Parker  85344............ 669-2619
ARIZONA DEPARTMENT OF MINERAL RESOURCES

The Department was created to aid in the promotion, development, and conservation of the mineral resources of the State. Particular emphasis is placed on providing prospectors and small miners with semi-technical assistance and economic information.

The general goal of the Department is developed by working with the following objectives:

- Provide technical assistance to prospectors and operators of small mines.

- Disseminate comprehensive mining and mineral information to the citizens and government officials of Arizona counties.

- Study conditions regarding small mine activity and seek solutions to problems.

- Serve as the State's public bureau of mining and mineral information.

- Maintain and expand the Department's mine file library.

- Provide educational services in the field of mineral resources and mining.

- Analyze proposed Federal and State administrative actions.

- Develop interagency cooperation between the Department and other local State and Federal offices.

- Gather all information available on mineral occurrences, prospects, partially developed properties and known mines in the State in order to promote further exploration.

- Provide publications in the form of mineral reports, annual directories, technical reports, annual mineral industry surveys, information circulars, and media articles.