



Arizona Department of Mines and Mineral Resources

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SERVICES OF THE DEPARTMENT TO POTENTIAL PURCHASERS OF ARIZONA MINERAL COMMODITIES

Circular No. 95, May, 2003

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The Arizona Department of Mines and Mineral Resources is a nonregulatory agency charged by statute with a number of duties. Among them are:

- Aid in the promotion and development of the mineral resources of the State.
- Assist in discovering sources of supply for those desiring to purchase mineral commodities.

The agency is staffed with mining and field engineers knowledgeable in the fields of metal and industrial mineral deposits, prospecting, mine development, marketing, mineral economics and government regulations. The services of the department are free of charge.

Specific ways in which the department may assist buyers and potential buyers (consumers, suppliers and brokers) of mineral commodities from Arizona include:

- Obtaining samples of minerals and mineral products.
- Recommend sources of supply.

- Recommend exploration targets.
- Recommend knowledgeable private professional geological and engineering services.
- Assist in determining the existence and viability of those who claim to be able to mine and supply mine products.
- Guide in obtaining permits from regulatory agencies.

The following table lists mineral commodities currently and historically produced (as of 2000) in Arizona. Those with known large resources or reserves are noted in the "Known Resource" column. Some are only identified occurrences in need of further investigation, others exist in sizable deposits.

The Department maintains historical and current information on over 10,000 Arizona mines, prospects, and related facilities. A large library on mineral resources is maintained. The staff is available to answer questions and discuss any aspect of mineral resources in Arizona.

Arizona Mineral Commodities

Commodity	Known Resource	Production
Alunite		
Antimony		
Arsenic		
Asbestos	yes	historic
Barite		historic
Basalt	yes	historic
Bentonite clay	yes	current
Beryllium (beryl)		historic
Bismuth		historic
Bloating shale		
Brucite		current
Carbon dioxide	yes	current
Cement	yes	current
Clays (fire clay, common clay, adobe)		current
Coal	yes	current

Commodity	Known Resource	Production
Cobalt		
Copper	yes	current
Diatomaceous earth	yes	current
Dolomite	yes	current
Feldspar	yes	historic
Fluorspar	yes	historic
Garnet (industrial)		
Gemstones (turquoise, petrified wood, peridot [olivine], chrysocolla, malachite, agate, opal, jade)		current
Gold	yes	current
Granite (crushed)	yes	current
Graphite		
Guano		historic

Commodity	Known Resource	Production
Gypsum	yes	current
Hectorite clay		current
Helium	yes	historic
Iron	yes	historic
Kyanite		historic
Lead		historic
Lime		current
Limestone (dimension stone, stack scrubbing, metallurgical, ground calcium carbonate)	yes	current
Lithium		historic
Magnesite		
Magnetite		historic
Manganese	yes	historic
Marble (crushed and ground calcium carbonate)	yes	current
Mercury		historic
Methane		current
Mica	yes	current
Mineral specimens		current
Molybdenum (also ferro-molybdenum)	yes	current
Nickel		
Niobium (columbium)		historic
Oil, crude		current
Onyx		current
Palladium		current
Perlite	yes	current
Platinum		current
Potash	yes	
Pozzolan	yes	current
Pumice	yes	current
Pyrite		historic

Commodity	Known Resource	Production
Pyrophyllite		
Quartz (ground silica)		historic
Quartzite	yes	historic
Rhenium		current
Rhyolite		current
Salt (sodium chloride)	yes	current
Sand (industrial - hydraulic fracture)		current
Sand (specialty-glass, quartz, foundry)		
Sand and gravel (aggregate)	yes	current
Sandstone (dimension stone)	yes	current
Saponite clay		current
Schist (dimension stone)	yes	current
Scoria (volcanic cinders)	yes	current
Selenium		current
Silica (metallurgical flux)	yes	current
Sillimanite		
Silver	yes	current
Sodium sulfate		historic
Strontium		
Sulfuric acid (from copper sulfides)	yes	current
Titanium	yes	
Tuff	yes	historic
Tungsten		historic
Uranium	yes	historic
Vanadium		historic
Vermiculite		
Zeolites (chabazite, clinoptilolite, mordenite)	yes	current
Zinc	yes	historic