

CLASSIFICATION SPECIFICATION

FLSA:	NEXP	Job Code:	ACV36201
Job Class Code:	600	Salary Schedule:	ASRRGEOL
EEO Category:	02	Grade:	18
Workers Comp Code:	9410		

Job Code Established:	08/31/88	Effective Date:	
Job Code Revised:	01/01/98	Effective Date:	

JOB CODE SERIES: Geologist Series

JOB CODE TITLE: MINERAL FIELD GEOLOGIST

HRIS TITLE: MINERAL FIELD GEOLOGIST

WORK DESCRIPTION: Analyzes and evaluates mineral and geologic information for the purpose of promoting and developing State's mineral resources; examines prospective mining sites; reviews mining trade publications; and disseminates mineral information to the public

WORK ACTIVITIES: conducts field investigations for location of mineral resources and mining activities to obtain technical data for analysis. Analyzes and interprets the data in terms of its significance to the mining industry and Arizona. Surveys the inclination of veins and attitudes of fault structures to assist miners in locating promising areas of minerals; determines mineral potential and value by analyzing geological materials. Examines property and advises miners on mining laws, zoning laws, mineral rights and validity of mining claim. Speaks before groups; attends meetings and conferences to disseminate mineral resources data to prospectors and Arizona mineral industries. Assists in locating sources of supplies for persons desiring to buy minerals or mining supplies. Integrates the department's mine data information files. Reviews mining trade publications for data that may affect the industry. Researches and compiles data pertinent to mining operations in Arizona. Performs related work as required.

WORK CONDITIONS: Considerable outdoor exposure; frequent overnight stays away from home base.

SUPERVISION: Works under general supervision and exercises some independent judgment within well established program parameters, policies and procedures.

WORK RESULTS/PRODUCTS: Seminars on technical phases of prospecting, processing metals and related subjects; technical mining publications; technical oral and written reports to prospectors and mine operators; maintaining mineral geology library; and completes all duties as assigned.

RESPONSIBILITY: Timely and accurate completion of field studies; proper use and maintenance of equipment assigned to work unit; determines content of geology library; develops the material and education content on prospecting for seminars.

AUTHORITY: Makes determination regarding the accuracy and validity of field survey data; makes recommendation for improved work processes and procedures.

KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of: Knowledge of mining laws to provide technical information to the public; zoning laws to provide legal requirements for location of valid mining claims; modeling theories to obtain

solutions to mining problems; geochemistry to obtain technical data for analysis of minerals; mine and geologic mapping in relation to obtaining mineral rights; mining materials and equipment to extract mineral and metals; the mining industry such as technical procedures, exploration and marketing of minerals.

Skill in: evaluating geological and mining data; analyzing and interpreting maps and geological reports; oral and written communication; interpersonal relations, as applied to contacts with the public.

SPECIAL SELECTION FACTORS: Three years of professional experience in mining engineering, mineralogy, geology or a closely related field that involved research and analysis of mineral resources. A Bachelor's degree in one of the above fields may be substituted for one year of the required experience.