CLASSIFICATION SPECIFICATION

FLSA:	**NEXP**	**Job Code:**	**ACV77731**
Job Class Code:	**600**	**Salary Schedule:**	**ASRRHYDRO**
EEO Category:	**02**	**Grade:**	**19**
Workers Comp Code:	**9410**		
Job Code Established:	**07/18/73**	**Effective Date:**	
Job Code Revised:	**10/01/98**	**Effective Date:**	

JOB CODE SERIES: Science Group Miscellaneous Science Series

JOB CODE TITLE: HYDROLOGIST II

HRIS TITLE: HYDGST II

CHARACTERISTICS OF THE CLASS: Under general supervision, is responsible for a variety of hydrologic work of average difficulty; and performs related work as required.(This is the junior journeyman level in which the incumbent will be expected to carry out small projects independently while assisting on larger projects. Completed work is reviewed for soundness of judgment and appropriateness of recommendation.)

EXAMPLES OF DUTIES: Conducts water resources investigations by collecting and interpreting pertinent hydrologic data used in the formulation of hydrologic models; maps surface and subsurface geology of an assigned area to determine hydrologic and geological conditions, to determine size, boundaries, and position of formations which are potential aquifers and to locate possible areas of recharge; determines the hydrologic characteristics of watershed areas based on analysis and interpretation of rainfall and runoff relationships, classification of cover, soils, and topographic conditions in terms of hydrologic factors affecting infiltration, evapotranspiration, and surface and subsurface flows; determines valley storage, constructs runoff hydrographs, and routes flood flows through reservoirs and stream channel systems; determines frequency of occurrence and magnitude of hydrologic events such as storms and floods, and determines relationships of runoff to stream, stage, peak discharge, and area inundated, and assists in the preparation of reports thereon; makes hydrologic studies and assists in preparation of reports.

KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of: basic principles of geology, hydraulics, mathematics, physics, and meteorology as applied to hydrology; chemistry, surveying, computer science, geophysics and botany; extent and availability of hydrologic and related literature; computer modeling techniques as applied to ground and surface water problems.

Skill/Ability to: write technical reports; analyze difficult technical problems; establish and maintain effective working relationships with those contacted in the course of work.

SPECIAL SELECTION FACTORS: Bachelor's degree from an accredited college or university with a major in hydrology, civil engineering, geology, watershed management or related field, and two years of hydrologic or related experience; a Master's degree in one of the above fields may substitute for one year of the required experience; a Ph.D. in one of the above fields may substitute for two years of the required experience.