

TITLE: CARTOGRAPHER

CODE: 24325

GENERAL DESCRIPTION:

This is very responsible cartographic work at the full performance level involving the development and execution of a variety of mapping programs using manual and computer assisted methods.

Work involves responsibility for accurate map production and photogrammetry coordination. Duties include coordinating photogrammetry contracts, researching and computing geodetic data, implementing cartographic procedures manually and by computer, and editing map products. This position also has the responsibility for making standard cartographic technical decisions. This work requires that the employee have good knowledge, skill and ability in cartography and photogrammetry.

SUPERVISION RECEIVED:

Works under the general supervision of the Geographic Information Management Systems Administrator.

EXAMPLES OF DUTIES:

Researches and compiles mapping data and executes a variety of map series manually and by automation including topographic, planimetric, regional, town and utility.

Operates geographic information management hardware for compilation and production of the various map series.

Researches, develops and executes special edition and thematic map series and related graphics.

Coordinates photogrammetry contracts. Compiles preliminary data, reviews program specifications and performs geodetic computations. Coordinates with photogrammetric contractors, establishes photo control points and transfers and edits photogrammetry output.

Researches and designs new map series. Develops cartographic standards. Monitors lithographic reproduction of maps. Assists in cartographic training.

Performs special assignments such as inventories, map sales and technical presentations and information distribution.

Performs related work as required.

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KNOWLEDGE, SKILLS AND ABILITIES:

Good knowledge of cartography, geodesy and photogrammetry principles and practices as applied to topographic, planimetric and thematic mapping.

Good knowledge of automated mapping applications with respect to a geographic information system environment.

Good ability in oral and written communications.

Good ability to research and execute a variety of maps and related graphics.

Good ability to coordinate a photogrammetry program with a contractor.

Good ability to learn the operation of computerized mapping hardware and software.

Considerable ability to establish and maintain effective working relationships with coworkers, contractors, consultants, and other governmental agencies.

QUALIFICATIONS:

An associate's degree from a recognized college in cartography or a closely related field plus four years of progressively responsible experience in base and topographic mapping, or an equivalent combination of education and qualifying experience substituting on a year-for-year basis.

SPECIAL REQUIREMENTS:

None.