

GEOGRAPHIC INFORMATION SYSTEM MAPPING TECHNICIAN

NATURE OF WORK IN THIS CLASS:

This is complex technical map review work involved with automated map maintenance in a geographic information system (GIS) and land information system (LIS) or other computerized mapping environment.

Employees in this class perform complex technical mapping duties in conjunction with the use of geographic computer applications for creating, maintaining, and updating computerized maps.

ILLUSTRATIVE EXAMPLES OF WORK: (Any one position may not include all the duties listed, nor do the examples cover all the duties which may be performed.)

Creates, reviews and updates maps digitally or through coordinate geometry (CoCo) using a computerized mapping.

Oversees the integrity of survey maps entered through coordinate geometry, maps created by digitalization and scan imaging.

Identifies discrepancies in survey maps, performs adjustments and indicates the method(s) used to address inconsistencies.

Reviews legal property descriptions and applies ability to draw graphic representations using distances, bearings, and other measurements.

Works with staff within the department concerning the effective use of computer maps and GIS databases for analysis and display. Provides quality control and error determination procedures.

Maintains ongoing staff training and career development.

Assist in the coordination and development of procedures regarding map maintenance and data sharing.

Works with text terminals to prepare non-graphic queries or reports as required.

Performs related duties as required.

MINIMUM KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of the principles and practices of mapping systems and survey maps.

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Knowledge of the principles and practice of computerized mapping and Geographic Information Systems (GIS) hardware, software and GIS/LIS applications.

Knowledge and practice of data collection and database integrity.

Knowledge of surveying, drafting, and drawing principles.

Ability to work effectively with the public and employees.

Ability to communicate effectively, orally and in writing.

Ability to maintain records and prepare reports.

Skill in the use of computers and computerized mapping equipment.

MINIMUM EXPERIENCE AND TRAINING:

- a. One year experience in surveying, drafting, mapping, or property legal description (records) work, plus one year experience with geographic information systems or computerized mapping systems, and graduation from high school; or
- b. Any equivalent combination of experience and training which provides the minimum knowledge, abilities and skills.

ESTABLISHED: November, 1993

AMENDED:

PAYGRADE: I

HAY EVALUATION:	KNOW-HOW:	D 1 1	132
	PROBLEM SOLVING:	C 3 (25%)	33
	ACCOUNTABILITY:	C 1 C	38
	TOTAL POINTS:		203

This standard revises and supersedes the standard established November 1993.

Benita Manglona

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