

## **EAST BAY REGIONAL PARK DISTRICT**

### **GEOGRAPHIC INFORMATION SYSTEM PROGRAMMER/ANALYST**

#### **GENERAL FUNCTION:**

Under supervision, the Geographic Information System (GIS) Programmer/Analyst programs custom applications for District-wide and departmental projects, performs GIS analysis, and assists with the development, maintenance and dissemination of the District's GIS database.

#### **ESSENTIAL FUNCTIONS:**

The essential functions of this position include, but are not limited to: designs and develops internet/intranet based mapping applications; conducts GIS queries and analysis; creates graphical and tabular output such as maps, charts and reports; assists with system administration and ArcGIS application customization; oversees and participates in collecting, digitizing, editing and entering GIS and GPS data; assists in the creation and maintenance of GIS metadata and other documentation; assists in the installation of GIS/GPS hardware and software.

#### **OTHER FUNCTIONS AND DUTIES:**

Other functions and duties related to this role will include: performs field survey work relating to the creation of data sets; creates presentation graphics for board meetings, publications and departmental projects; utilizes and trains District staff and interns in the use of GIS/GPS equipment and software; coordinates and shares GIS datasets with other agencies; performs related duties as assigned.

#### **MINIMUM QUALIFICATIONS:**

Education: Bachelor's degree in Geography, Environmental Science, Computer Science or related field, preferably with a specialty in GIS.

Experience: Three years of experience with GIS and specifically with GIS analysis and application development using ESRI products.

#### **KNOWLEDGE, SKILLS & ABILITIES:**

Thorough knowledge and understanding of the principles of GIS, its uses and applications. Proficiency with ArcGIS, ArcIMS, ERDAS Imagine, Microsoft Access, Visual Basic, JavaScript, HTML and related GIS software packages and programming languages. Familiarity with GPS equipment and field data gathering methods also desirable. Capable of analyzing processes and developing/implementing programs and applications based on ESRI GIS software products. Ability to establish and maintain positive and cooperative working relationships with those contacted in the course of work at all levels, with a focus on quality service to internal and external customers.

#### **SPECIAL CONDITIONS OF EMPLOYMENT:**

A valid California driver's license is a condition of initial and continued employment in this classification.

**REPORTS TO:** GIS Coordinator

Employment Category: AFSCME, Local 2428, Monthly Salary Range Effective March 19, 2005: \$4,743.38 - \$5,206.50  
Adopted by Board of Directors through 2006 Budget Process  
Approved by General Manager: February 10, 2006