

JOB DESCRIPTION AND POSITION CLASSIFICATION

CLASSIFICATION Environmental Scientist		DWR POSITION NUMBER 1630-0762-010	SAP POSITION NUMBER 50044079	MCR 1
APPOINTEE Vacant		SAP PERSONNEL NO. TBD	DIVISION/SECTION DRA/WUE/Land and Water Use/Land Use	
COLLECTIVE BARGAINING IDENTIFIER Management Related BU: <input type="checkbox"/> Supervisory Related BU: <input type="checkbox"/> Confidential Related BU: <input checked="" type="checkbox"/> Rank and File BU: R10				
RESPONSIBILITIES EXERCISED <input type="checkbox"/> Supervisory <input type="checkbox"/> Lead Person		IMMEDIATE SUPERVISOR (Print) Stanley Mubako	SUPERVISOR'S CLASSIFICATION Senior Environmental Scientist (Supv)	
APPROVED BY (Personnel Analyst's Name) C. Huber			DATE 06/07/2024	
<i>Percent of Time</i>	<i>Activity</i>			
40%	<p>POSITION SUMMARY Under close supervision of the Senior Environmental Scientist (Supervisory) in the Division of Regional Assistance, Water Use Efficiency Branch, Land and Water Use Section, Land Use Unit, the Environmental Scientist is responsible for various assignments in the development of land use data, land use data analysis, and data quality assurance and control. Incumbent will participate in planning, organizing and fulfilling work assignments as a member of project teams working on multi-disciplinary tasks.</p> <p>ESSENTIAL FUNCTIONS This position requires that the incumbent work on the collection, development, quality assurance and quality control of statewide land use data using established methods. The incumbent must work cooperatively with others and maintain consistent and regular attendance; exercise good judgment; interpret and consistently apply federal and State laws, regulations, and local planning guidance. The specific duties and essential functions are:</p> <p>Produce digital land use maps. Tasks include participating in field surveys, editing digital maps, and processing vector and raster data using ArcGIS and related software. Using established standards and procedures, perform quality control on collected land use data to ensure accuracy before digital maps, reports and work products are distributed. Work closely with Department of Water Resources (DWR) Regional staff to verify and resolve data quality issues, provide assistance with the use of Geographic Information System (GIS) software, and respond to basic questions related to crops, data resources and DWR's land use classification system. Prepare draft documentation and metadata. Scan, archive, and georeference historic land use maps.</p>			
SUPERVISOR'S STATEMENT: I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.				
SUPERVISOR'S NAME (Print) Stanley Mubako		SUPERVISOR'S SIGNATURE ➤		DATE
EMPLOYEE'S STATEMENT: I HAVE DISCUSSED WITH MY SUPERVISOR THE DUTIES OF THE POSITION AND HAVE RECEIVED A COPY OF THE DUTY STATEMENT.				
EMPLOYEE'S NAME (Print) Vacant		EMPLOYEE'S SIGNATURE ➤		DATE

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<i>Percent of Time</i>	<i>Activity</i>		
35%	<p>Participate in the collection of field survey data to document observed land use throughout California. Using ArcGIS, ERDAS Imagine and eCognition Developer software, apply proven practices, methods, and techniques to satellite imagery, digital aerial photos and collected field data to identify and derive accurate maps of various land uses including irrigated agricultural crops, urban landscapes, and others. Ground truth data collection during field surveys will require driving a vehicle on public roadways and in the field on uneven terrain.</p>		
10%	<p>Document methods and procedures usable by other DWR staff for creating, modifying, and processing Geographic Information System (GIS) data. Update the Land Use website with new land use survey information as surveys are finalized. Keep informed of trends and developments in remote sensing, and GIS software and hardware, to determine the potential application of these technologies to Statewide Integrated Water Management programs.</p>		
10%	<p>Provide routine technical assistance as needed to the public and other DWR divisions. Participate as a member of project teams working on multi-disciplinary tasks. Participate in ongoing programs and information exchange regarding land use classification with local, State and federal agencies.</p>		
5%	<p>Perform special projects as assigned by the supervisor.</p>		
	<p>SPECIAL REQUIREMENTS Must possess a valid California driver's license to attend meetings and participate in field work. May require some statewide overnight travel by air carriers. On occasion, overtime may be required.</p> <p>Must have computer skills in spreadsheets and word processing, and have good oral and written communication skills.</p> <p>The Department of Water Resources (DWR) is committed to its mission and employees, and we are grounded in our commitment to public safety. DWR offers a hybrid workplace model that is designed to support a workforce of both office-centered and remote-centered workers. Regular and consistent attendance - whether office-centered or remote-centered - is essential to the successful performance in this position.</p> <p>All employees are responsible for contributing to an inclusive, safe, and secure work environment that values diverse cultures, perspectives, and experiences, and is free from discrimination.</p>		