

## JOB DESCRIPTION AND POSITION CLASSIFICATION

CLASSIFICATION <b>Environmental Scientist</b>		DWR POSITION NUMBER <b>1630-0762-010</b>	SAP POSITION NUMBER <b>50044079</b>	MCR <b>1</b>
APPOINTEE <b>Vacant</b>		SAP PERSONNEL NO. <b>TBD</b>	DIVISION/SECTION <b>DRA/WUE/CIMIS, Land Use, &amp; Water Use/Land Use</b>	
COLLECTIVE BARGAINING IDENTIFIER				
<input type="checkbox"/> Management Related BU:	<input type="checkbox"/> Supervisory Related BU:	<input type="checkbox"/> Confidential Related BU:	<input checked="" type="checkbox"/> Rank and File BU: <b>R10</b>	
RESPONSIBILITIES EXERCISED <input type="checkbox"/> Supervisory <input type="checkbox"/> Lead Person		IMMEDIATE SUPERVISOR (Print) <b>Stanley Mubako</b>	SUPERVISOR'S CLASSIFICATION <b>Senior Environmental Scientist (Supv)</b>	
APPROVED BY (Personnel Analyst's Name) <b>S. Meeks</b>			DATE <b>4/20/26</b>	
<i>Percent of Time</i>	<i>Activity</i>			
<b>40%</b>	<p><b>POSITION SUMMARY</b> Under close supervision of the Senior Environmental Scientist (Supervisory) in the Division of Regional Assistance, Water Use Efficiency Branch, CIMIS, Land Use, 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. The Environmental Scientist will participate in planning, organizing and fulfilling work assignments as a member of project teams working on multi-disciplinary tasks.</p> <p><b>ESSENTIAL FUNCTIONS</b> This position requires that the Environmental Scientist work on the collection, development, quality assurance and quality control of statewide land use data using established methods. The Environmental Scientist 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:		<b>I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.</b>		
SUPERVISOR'S NAME (Print) <b>Stanley Mubako</b>		SUPERVISOR'S SIGNATURE ➤		DATE
EMPLOYEE'S STATEMENT:		<b>I HAVE DISCUSSED WITH MY SUPERVISOR THE DUTIES OF THE POSITION AND HAVE RECEIVED A COPY OF THE DUTY STATEMENT.</b>		
EMPLOYEE'S NAME (Print) <b>Vacant</b>		EMPLOYEE'S SIGNATURE ➤		DATE

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<i>Percent of Time</i>	<i>Activity</i>		
<b>35%</b>	<p><b>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.</b></p>		
<b>10%</b>	<p><b>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.</b></p>		
<b>10%</b>	<p><b>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.</b></p>		
<b>5%</b>	<p><b>Perform special projects as assigned by the supervisor.</b></p>		
	<p><b>SPECIAL REQUIREMENTS</b></p> <p><b>The duties require occasional travel to attend meetings, training, and/or field visits.</b></p> <p><b>Must have computer skills in spreadsheets and word processing, and have good oral and written communication skills.</b></p> <p><b>The Department of Water Resources is committed to its mission and employees, and we are grounded in our commitment to public safety. Regular, consistent, and predictable attendance is essential to the successful performance in this position.</b></p> <p><b>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.</b></p>		