



cultural resource analysts, inc

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Li Bai, MS	GIS/GPS Specialist	
<b>Availability:</b> Immediate <b>Email:</b> Lbai@crai-ky.com	<b>Specific Duties:</b> <ul style="list-style-type: none"> <li>• Computer Aided Design</li> <li>• Cartography</li> <li>• Geographic Information Systems</li> <li>• Predictive Modeling</li> <li>• Global Positioning Systems</li> <li>• Database Design</li> </ul>	<b>Education and Training:</b> <ul style="list-style-type: none"> <li>• M.S., Forest Resources and Conservation with Geomatics Concentration, University of Florida, Gainesville, Florida.</li> <li>• M. S. Precise Instruments and Mechanics, Beijing Institute of Technology, Beijing, China.</li> <li>• B.S., Optical Technologies and Photoelectronics, Changchun University of Science &amp; Technology, Changchun, China.</li> </ul>
Experience Summary Information		
<b>GIS/GPS Specialist</b> Cultural Resource Analysts, Inc., Shreveport, Louisiana 2014 – present	<b>GIS/3D-Scanning Technician</b> Statistical Research, Inc. 2007-2008	<b>Technician</b> Archeo-Imaging Lab, University of Arkansas 2005 – 2007
<p>Li Bai has served as the GIS/GPS specialist in the Shreveport, Louisiana, office of Cultural Resource Analysts, Inc., since 2014. Li is responsible for all mapping and geographic information systems (GIS) services for the Louisiana office, as well as for select projects from other CRA offices. As part of her duties, Li creates proposal, preparatory field, and final report mapping. She is also familiar with the use of geodatabases, predictive modeling, and remote sensing techniques. Ms. Bai has certifications in Trimble ProXR technologies and ICGIS (Interdisciplinary Concentration in Geographic Information Systems).</p> <p><b>Select GIS Modeling and Database Management Projects:</b></p> <ul style="list-style-type: none"> <li>• <b>Probability Modeling for the Buckeye Feasibility Study</b>, GIS Analyst, developed archaeological site probability model for a pipeline across Pennsylvania. Completed for CH2M Hill, Inc.</li> <li>• <b>GIS Database Management for the Remaining LANG Installations in Louisiana</b>. GIS Analyst, organized and revised existing LANG GIS database of cultural resources for a number of installations across the state of Louisiana. Conducted for ILSI Engineering and the Louisiana National Guard.</li> <li>• <b>GIS Database Management for three LANG Installations in Louisiana</b>. GIS Analyst, organized and revised existing LANG GIS database of cultural resources for three installations across the state of Louisiana. Conducted for Sol Solutions, LLC., and the Louisiana National Guard.</li> </ul> <p><b>Select GIS Mapping Projects:</b></p> <ul style="list-style-type: none"> <li>• <b>Phase I Cultural Resources Survey for the Proposed South Louisiana Methanol Facility</b>. GIS Analyst, developed project field and report mapping for the 1,304 acre cultural resource survey in St. James Parish, Louisiana. Completed for South Louisiana Methanol, LP.</li> <li>• <b>Phase I Cultural Resources Survey for the Proposed Red Chute Mitigation Bank</b>. GIS Analyst, developed project field and report mapping for the 1,006 acre cultural resource survey in Bossier Parish, Louisiana. Completed for Resource Environmental Solutions, LLC.</li> <li>• <b>Multiple Phase I Cultural Resource Surveys in the Kisatchie National Forest</b>. GIS Analyst,</li> </ul>		

developed project field and report mapping for multiple projects totaling 3,879 acres in the Kisatchie National Forest, all ranger districts in across central and north Louisiana. Completed for the United States Department of Agriculture, United States Forest Service, Kisatchie National Forest.

- **Years 1, 2, and 3 of the Toledo Bend Reservoir Cultural Resource Studies, Louisiana and Texas.** GIS Analyst, developed project field and report mapping for multiple projects on a multi-year contract with the Sabine River Authority on both the Louisiana and Texas sides of the Toledo Bend Reservoir. Completed for the Toledo Ben Project Joint Operations in cooperation with the Sabine River Authority and the United States Forest Service.
- **Multiple Phase I Cultural Resource Surveys for the Fort Polk Land Purchase Program.** GIS Analyst, developed project field and report mapping for multiple projects totaling 3,269 acres in Vernon Parish, Louisiana. Completed for the National Park Service, Southeast Region/Department of Defense and the Fort Polk Cultural Resources Office.
- **Multiple Phase I Cultural Resource and Architectural History Surveys of 48 Louisiana National Guard Readiness Centers Statewide.** GIS Analyst, developed project field and report mapping for multiple survey projects covering 48 LANG installations located throughout the state of Louisiana. Completed for the Louisiana National Guard and the USACE, New Orleans District.

#### **Selected Publications**

- **Bai, Li**, Risa Patarasuk, Yin-Hsuen Chen, Sanchayeeta Adhikari, Charles Anthony Nettleman III, and Scarlett Arana, 2011, Multi-Criteria Approach for Wind Farm Site Selection in New Hampshire. *Photogrammetric Engineering & Remote Sensing (PE&RS)* 77(7):654-661.
- **Bai, Li**, Ningfang Liao, Zhaojian Li, and Weiping Yang, 2004, Study on the Wavelength Calibration of Type III Concave Grating Spectrometry System (English). *Chinese Optics Letters* 2(3):174-176.
- Yang, W., N. Liao, B. Chai, Z. Hu, **L. Bai**, and Z. Li, 2003, Color Reproduction on CRT Displays Via BP Neural Networks under Office Environment. *Journal of Beijing Institute of Technology* (English Edition), 2003, Vol. 12, No. 4, pp. 376.

#### **Additional Training/Certifications:**

- Adult CPR, First Aid, and Bloodborne Pathogens
- Trimble (ProXR) Certification
- ICGIS (Interdisciplinary Concentration in Geographic Information Systems) Certificate