

Resume of Andrew T. Price

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Summary

Andrew Price is a geographer providing geospatial services to environmental, natural resource, water resource, hydroelectric, engineering, municipal and state organizations, utilizing Geographic Information Systems (GIS), UAV (Drone) imagery and mapping, Global Positioning Systems (GPS) to perform a wide variety of mapping and analysis.

Qualifications and Experience

- Broad experience in Geographic Information Systems (GIS), creation of mapping datasets, analysis of data and creating effective map sets, slides and exhibits
- Inundation Mapping for Hydroelectric and Non-Hydro Dams, FERC and CA DSOD
- Mapping for Municipal, Environmental, Re-districting, Land Planning & Development, Annexation, Mining, Agriculture
- UAV (Drone) aerial surveying, photogrammetry, 3D models, photography & videography
- Photography for use in documenting infrastructure, illustrating flood effects and for a variety of other purposes. Photos taken from ground, helicopter or fixed wing aircraft using high-resolution digital SLR camera
- Senior Civil Engineering Designer on a variety of land development projects involving water, sewer, grading, drainage, roadways, easement, right-of-way, and plan preparation
- Effective use of aerial imagery, USGS Topo Maps, digital elevation models, LiDAR
- Georeferencing of maps and aerial imagery
- Preparation of mapping exhibits for a variety of applications

Professional Experience

Sept. 1993 to Present

Price Geographic Consulting – Moyie Springs, Idaho & Placerville, California

Principal/Geographer. GIS projects, Data analysis, Map Exhibits, Map Atlas, Civil Design Projects include infrastructure GIS/FIS development projects, Hydroelectric Inundation Mapping, GIS Support, Natural Resource Mapping and Analysis, Wetland and Rare plant mapping, Land Use Planning & Civil Engineering Design Services. UAV Aerial Photography and Image geo-referencing. Use of ArcGIS, AutoCAD, Pix4D, GPS data collection. Project management, supervision of mapping staff.

Jan. 1989 to Aug. 1997

Patterson Development - Placerville, California

Civil Engineering Designer. Design and preparation of topographic maps, Tentative maps, site, grading, road, water and sewer improvements using AutoCAD and Land Development Desktop software. Skills include digital terrain model creation, slope maps, lot layout, earthwork volumes, preparation of construction cost estimates. Supervision of employees.

Mar. 1988 to Jan. 1989

Brandley Engineering - Sacramento, California

Civil Engineering Technician. Design and draft site and grading plans, generate topographic maps from field survey data, calculate earthwork quantities, assist on survey crew, perform construction inspection and materials testing, use of AutoCad software.

Sept. 1987 to Mar. 1988

California Department of Water Resources - Red Bluff, California

Project Coordinator/Contract Position. Preparation of vegetation and land use maps for the Coastal Aqueduct alignment using aerial photo interpretation methods. Prepare final mylar map sheets. Supervision of project staff.

Dec.1986
to Sept. 1987

California Department of Water Resources - Red Bluff, California

Cartographer/Research Assistant. Land use mapping of agricultural areas in the Northern District, riparian succession mapping of the Sacramento River from Sacramento to Keswick dam including field verification, both using aerial photo interpretation. Calculation of area, change detection, drafting. Performed water inflow and water use calculations and mapping for the Honey Lake watershed hydrology study.

Oct. 1985
to Nov. 1986

California State University, Chico/California Energy Commission - Chico, California

Cartographer/ Aerial Photo Interpreter. Classification and mapping of natural vegetation associations of the Geysers Geothermal Resource Area. Project size: 260 square miles. Aerial photo interpretation on color infrared imagery. Correction of mapping data at time of transfer to Mylar base. Supervise project staff.

Education

Jan. 1983
to Dec. 1985

California State University, Chico - Chico, California

Bachelor of Arts degree in Geography. Spatial analysis, land use/natural resource mapping, aerial photo interpretation, satellite image processing, agriculture science, GIS.

Sept. 1980
to Dec. 1982

Humboldt State University - Arcata, California

General education with emphasis in botany, natural sciences and photography.

Client List

SMUD, CA, UAV mapping and inspection

Idaho Department of Lands, UAV Aerial Surveying & GPS of forest lands

El Dorado Irrigation District, CA, Inundation Mapping, UAV Aerial Mapping, GPS surveying

Kootenai Tribe of Northern Idaho, UAV Aerial Mapping, and environmental mapping

Merced Irrigation District, CA, Inundation Mapping

Utica Water and Power Authority, CA, Inundation Mapping

City of Bonners Ferry, ID, GIS development, water, sewer, electric

Placer County Water Agency, CA, Inundation Mapping

City of Placerville, CA, GIS development and mapping

Empire District Energy Company, MO, Inundation Mapping