

ALPINE ARCHAEOLOGY OVERVIEW

Alpine Archaeological Consultants, Inc. is a respected, full-service archaeological consulting firm established to help clients implement their projects through compliance with historic preservation laws. For more information about Alpine, please visit our website: www.alpinearchaeology.com

We believe that the best way to help clients realize their project goals is to offer expert services, delivered in a timely and cost-effective manner. Alpine's commitment to excellence in consulting is exemplified by our corporate membership in the American Cultural Resource Association and by certification of the company principals and many employees as Registered Professional Archaeologists (RPA).

ORGANIZATION

Founded in 1987, Alpine is a small business that engages solely in contracted cultural resource studies throughout the Rocky Mountain West, Plains, Great Basin, and Southwestern states for private clients and federal or state agencies. The firm employs 20 full-time archaeologists, an Office Manager, and a small clerical staff. The professional staff includes specialists in artifact analyses, GIS, faunal analysis, ethnobotany, historical archaeology, and prehistoric archaeology.

FACILITIES

Alpine owns an office building at 900 S. Townsend Ave. in Montrose, Colorado, with 8,400 square feet of office, laboratory, and storage space. Secure artifact and record storage is available in Alpine's two fireproof vaults. Alpine's assets include a research library; a 26-station computer network; and a wide array of computer software, peripherals, printers, and plotters. The corporation also owns a fleet of 10 four-wheel drive vehicles and a full range of archaeological excavation, survey, and laboratory equipment. Field equipment includes multiple Trimble Global Positioning System units capable of sub-meter accuracy and a Nikon DTM 332 total station.

ALPINE ARCHAEOLOGY SERVICES AND CAPABILITIES

Alpine Archaeological Consultants, Inc. provides a wide range of cultural resource services. Much of our work involves assisting development companies in complying with historic preservation laws, such as Section 106 of the National Historic Preservation Act or the National Environmental Policy Act. Alpine also assists public sector agencies in meeting their regulatory requirements in managing cultural resources. Alpine personnel have extensive experience working with the pertinent legislation and the regional cultural resources, which helps insure timely and cost-effective work performance.

Alpine has demonstrated experience with the following types of services:

- Cultural resource inventory
- Archaeological testing and controlled archaeological excavations
- Construction monitoring
- Cultural resource overviews, research designs, management plans, and treatment plans
- Cultural resource sections of Environmental Impact Statements and Environmental Assessments
- Preparation of Historic American Engineering Record (HAER) documentation
- Historic and prehistoric artifact analyses
- National Register nominations
- Geographic Information Systems (GIS)
- Macrobotanical and faunal analyses

Alpine has always provided good quality work. Including archaeological survey work, research design, excavation reports, published papers, and professional papers. They have the technical expertise and staff that always produces quality products.

Utah BLM State Office

CLIENTS

Federal Government Client List

Western Area Power Admin.
Bureau of Land Management
Bureau of Reclamation
National Park Service
Forest Service
Natural Resources Conservation Service
Federal Aviation Admin.
U.S. Army Corps of Engineers

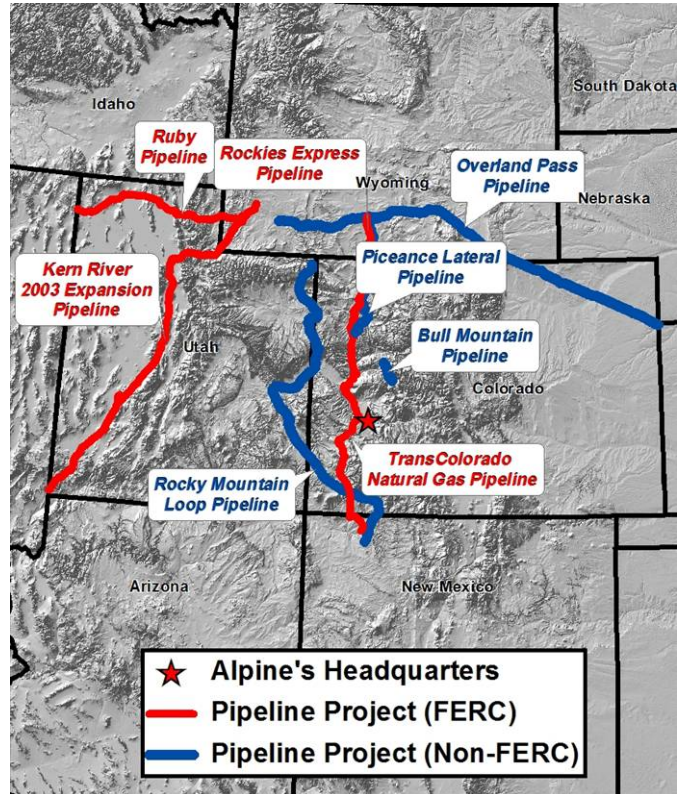
Other Clients

State agencies
Pipeline companies
Public utilities
Mining companies
Private landowners
Environmental consulting firms
Municipalities
Electrical transmission companies
Highway departments

Alpine Archaeological Consultants has worked on gas and liquid pipeline projects for more than 20 years. Over that time we have served the needs of our clients through innovative, timely, and cost-effective strategies and have never delayed construction. Alpine has the professional staff available to complete projects efficiently, and has administrative support to manage all sizes of projects.

EFFICIENCY

Alpine recognizes that meeting the time requirements for pipeline projects is paramount. We have well-established relationships with land-managing agencies in our region and the FERC. These relationships assist in expediting consultation and review processes to the greatest extent possible.



“Thank you and the staff for getting the reports drafted in a timely manner and bringing the REX project to successful completion. This project has gone smoothly from beginning to end due to your tremendous effort and professionalism. ...The quality of the work has been A-1...”

Colorado BLM State Office

FLEXIBILITY

Alpine has experience as the primary contractor to pipeline companies and as a subcontractor to larger environmental or engineering companies. Our staffing levels and administrative support allow us to meet the needs of our clients at numerous locations and several stages at once. Alpine is highly responsive to client needs and requests.



TransColorado Natural Gas Pipeline (FERC)
 (TransColorado Gas Transmission Company)

Alpine conducted cultural resource inventory, archaeological monitoring, and archaeological mitigation for the TransColorado Natural Gas Pipeline. The TransColorado Pipeline is a 22- and 24-inch interstate pipeline extending from west-central Colorado to northwestern New Mexico. In 1991 and 1992, Alpine conducted cultural resource inventory of access roads, temporary use areas, ancillary facilities and variances, in addition to 333 miles of pipeline right-of-way. Over 400 archaeological sites and over 400 isolated finds were identified along the project route.



To mitigate the affects of pipeline construction on the significant archaeological sites in a cost-effective and time-sensitive manner, Alpine implemented a new approach. Rather than conducting excavations at every significant site along the project route, as was the common practice in the region at that time, Alpine and its client convinced the overseeing agencies of a sampling approach. The approach involved selecting portions of a few significant sites along the corridor for extensive archaeological investigation. Although the areas excavated were large, far fewer sites were selected and fewer construction skips were required. The pipeline was successfully completed without delays associated with cultural resources.



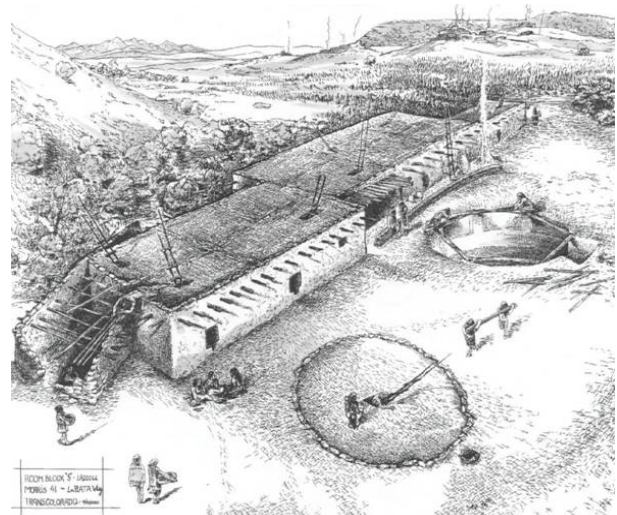
Period of Performance: 1991-2001

Responsibility: Prime Contractor for
 Archaeology and
 Paleontology

Project Area: Western Colorado and
 northwestern New Mexico

Project Highlights:

- Class I and Class III archaeological inventories
- Construction monitoring
- Archaeological data recovery
- Native American consultation



Rocky Mountain Loop Pipeline
(Mid-America Pipeline Company)

Alpine conducted a cultural resource inventory, archaeological monitoring, and archaeological mitigation for the Rocky Mountain Loop Pipeline. In 1998, Alpine conducted archaeological inventory of this 412-mile-long buried natural gas pipeline in northwestern New Mexico, western Colorado, and eastern Utah. A total of 313 sites and 206 isolated finds was recorded in the inventoried acreage.



Extensive data recovery and limited data recovery plans were prepared and carried out for treatment of the significant sites along the Rocky Mountain Loop pipeline corridor in 1999. To expedite construction, limited data recovery was conducted at all 57 significant sites within the pipeline construction zone prior to construction impacts. Of the 233 significant sites within the construction corridor, extensive data recovery was then performed at a select group of sites (32 prehistoric and eight historic sites) where data recovery potential was perceived to be the greatest relative to specific archaeological research domains. The pipeline was successfully completed without delays associated with cultural resources.

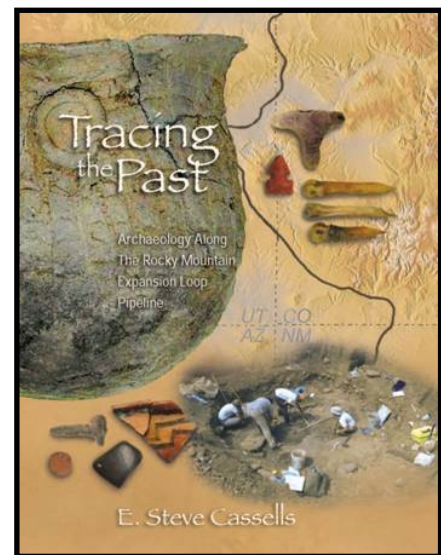
Period of Performance: 1998-2003

Responsibility: Prime Contractor for Archaeology, Paleontology, and Geomorphology

Project Area: Northwestern New Mexico, western Colorado, and eastern Utah

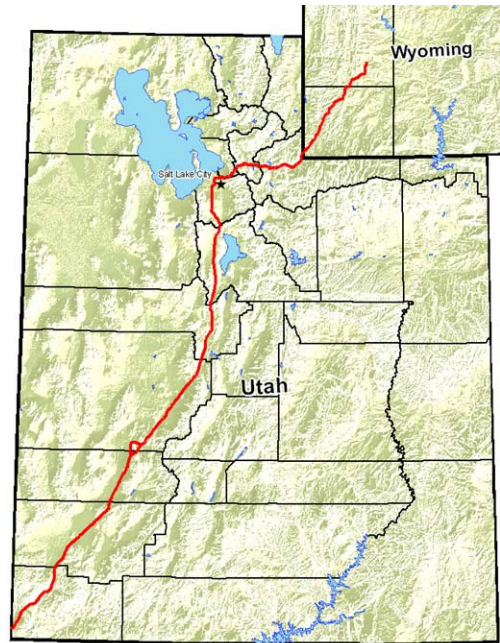
Project Highlights:

- Class I and Class III archaeological inventories
- Archaeological data recovery
- Construction monitoring
- Construction completed within 20 months of project initiation
- Popular Report as a portion of mitigation

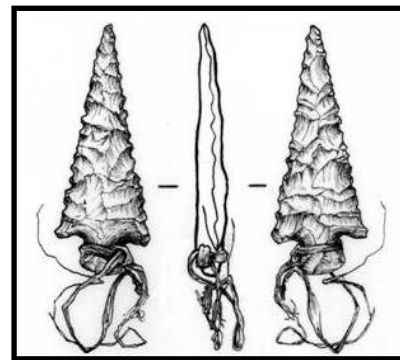


Kern River 2003 Expansion Pipeline (FERC)
(Kern River Gas Transmission)

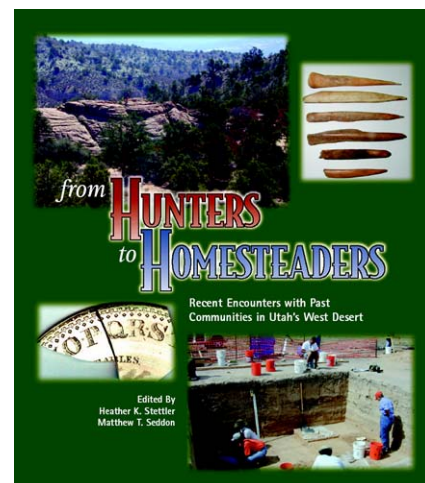
The Kern River 2003 Expansion Pipeline extends from southwestern Wyoming through Utah and Nevada to its terminus in southern California. This 36- and 42-inch pipeline transports natural gas. Alpine was hired to conduct intensive cultural resource inventory and mitigation efforts in Wyoming and Utah. The Wyoming and Utah portions covered 424 miles and included 346 archaeological sites. The large majority of the pipeline length and archaeological sites occurred in Utah.



Construction schedules were extremely tight, and there was little time between agency approval of the project and the beginning of construction. To avoid construction delays, Alpine again won approval of a sampling approach to the mitigation phase. A relatively small sample of the sites was selected for archaeological excavation, and the selected sites were extensively excavated. Several of the selected sites were outside of the pipeline right-of-way, so posed no obstacle to pipeline construction. A key element of the mitigation project also included trade-offs between archaeological excavations and archaeological studies that did not involve site excavations, as well as efforts aimed at public education. This meant that fewer sites were excavated. The mitigation tasks not involving excavation did not necessarily represent less expenditures by the developer, but did result in fewer points of potential problems for construction personnel during the construction phase. The pipeline was successfully completed without delays associated with cultural resources.

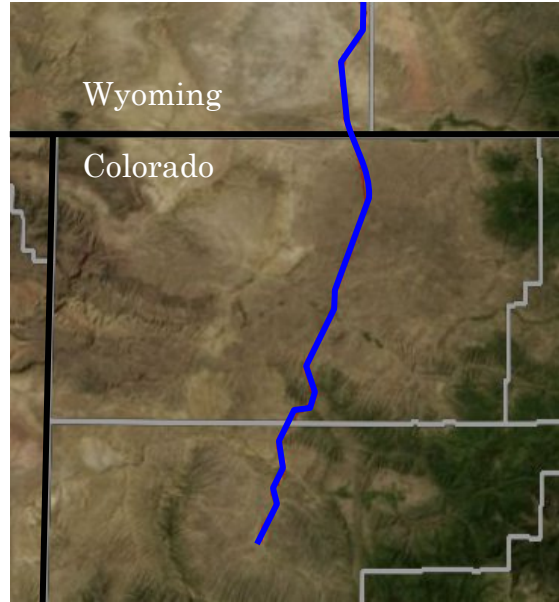


- Period of Performance:** 2003-2005
Responsibility: Co-Prime Contractor for Archaeology
Project Area: Utah and southwestern Wyoming
Project Highlights:
- Class I and Class III archaeological inventories
 - Archaeological data recovery
 - Construction monitoring
 - Popular Report as portion of mitigation



Rockies Express Pipeline (FERC)
 (Natural Resource Group and Kinder-Morgan)

Alpine conducted cultural resource inventory, archaeological monitoring, and archaeological mitigation for the Rockies Express Pipeline. This pipeline is a 36- and 42-inch natural gas pipeline that extends from west-central Colorado into southern Wyoming, and then on to a hub in northeastern Colorado. Alpine was hired to conduct archaeological inventory and mitigation along 95 miles of the pipeline corridor in the northwestern and northeastern corners of Colorado.



The frequent occurrence of wind-blown sands in northwestern Colorado posed a special challenge to the project, as previous pipeline work had indicated that nearly half of the prehistoric sites along the corridor were completely buried and lacked surface evidence. This indicated that many sites would be discovered during construction. Mitigation efforts minimized the chances of construction delays.

Two samples of sites were selected for archaeological excavation. The samples constituted a fraction of the total number of significant sites. One sample was excavated prior to the beginning of construction. Archaeological monitors then observed pipeline construction and identified many buried cultural features, as anticipated. After pipeline construction was completed, a second sample of sites was excavated, focusing on monitoring discoveries. Important archaeological information was retrieved, while not affecting construction schedules.

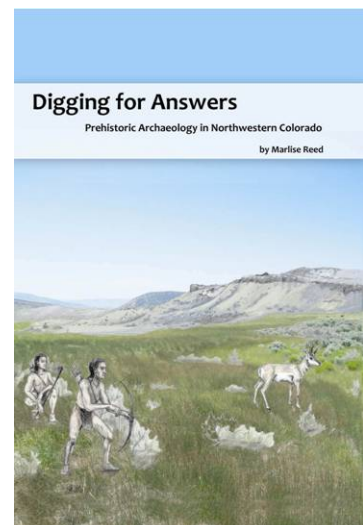
Period of Performance: 2003-2010

Responsibility: Subcontractor and Prime Contractor for Archaeology in Colorado

Project Area: northwestern Colorado

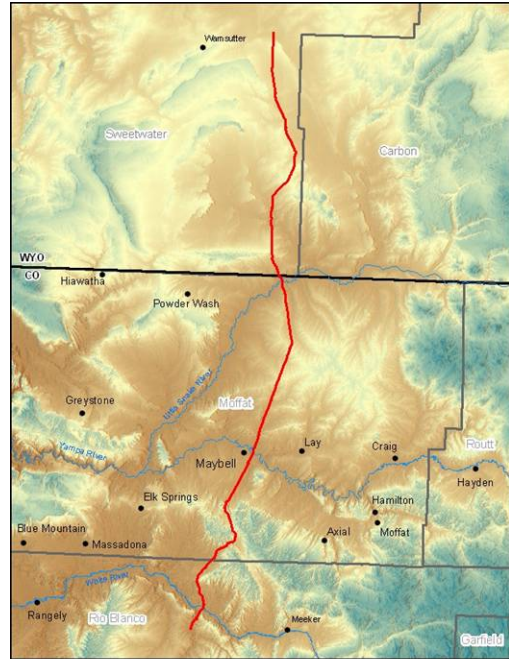
Project Highlights:

- Class I and Class III cultural resource inventory
- Archaeological data recovery and monitoring
- Popular Report as portion of mitigation



Pathfinder Pipeline Project
 (AECOM for TransCanada Pipeline USA Ltd.)

Alpine conducted a cultural resource inventory for the 130 mile-long Meeker Segment of the Pathfinder Pipeline project. The lateral extends from western Colorado’s Piceance Basin to existing pipeline facilities near Wamsutter, Wyoming. The 82-mile-long Colorado portion of the inventory resulted in the documentation and evaluation of 59 prehistoric and historic archaeological sites and 29 isolated finds within the proposed construction corridor. In Wyoming, Alpine archaeologists documented 50 cultural resources sites and 29 isolated finds in the 48-mile-long segment.



If this segment is constructed, archaeological monitoring will take place in locations along the route where there is potential for buried cultural resources. Using data from previous pipelines that traverse the area, Alpine has identified at least 99 buried archaeological sites that will need to be mitigated by archaeological monitoring during pipeline construction. In 2009, the pipeline was put on hold and has not yet been constructed.

Period of Performance: 2008 and 2009
Responsibility: Subcontractor for Archaeology in Colorado and Wyoming
Project Area: Northern Colorado and Southern Wyoming

Project Highlights:

- Class I and Class III cultural resource inventory
- Avoidance of impacts to significant or sensitive historic properties



Overland Pass Pipeline
 (Natural Resource Group for Overland Pass Pipeline Company)



Alpine was responsible for the cultural resource compliance on the Colorado and Wyoming segments of the Overland Pass Pipeline, which carries natural gas from Opal, Wyoming to Conway, Kansas. In Colorado, Alpine carried out a cultural resource inventory and assessment of the geomorphological landscape along the 171-mile-long pipeline and its associated facilities and access roads. The survey resulted in the recordation of 69 historic and prehistoric sites and 51 isolated finds. Alpine worked with the client to avoid all but one site in Colorado, which was mitigated by photo-documentation.

Alpine conducted pre-construction excavation of three sites and photodocumented three historic trails along the 321-mile-long Wyoming portion of the project. In addition, Alpine conducted archaeological monitoring of construction for the 492 miles of pipeline in Colorado and Wyoming. Archaeological monitoring resulted in the location of 144 discoveries, resulting in 29 newly discovered sites. Alpine is working with agency archaeologists to develop a treatment plan for the post-construction data recovery phase of the project.



Period of Performance: 2005-Present

Responsibility: Subcontractor for Archaeology in Colorado and Wyoming

Project Area: Northeastern Colorado and southern Wyoming

Project Highlights:

- Class I and Class III cultural resource inventory in Colorado
- Archaeological mitigation in Colorado and Wyoming
- Photodocumentation of historic sites in Wyoming and Colorado
- Archaeological monitoring in Wyoming and Colorado

Ruby Pipeline (FERC)
(EPG and Ruby Pipeline, LLC)

Alpine conducted a cultural resource inventory of the 182-mile-long Utah portion of the proposed 675-mile-long Ruby Pipeline, scheduled for construction in 2010. Inventory of the 42-inch natural gas pipeline in Utah resulted in the recordation of 118 historic and prehistoric sites and over 200 isolated finds. Inventory of reroutes and variances is ongoing.



Efforts are being made to avoid significant or sensitive sites in the project area. The project has encountered several historic canals and railroads, which will be avoided by boring beneath them. A historic building and a prehistoric rockshelter site have already been avoided by rerouting the centerline. During construction, archaeological monitoring will take place in locations along the route where there is potential for buried cultural resources.

Period of Performance: 2008-Present
Responsibility: Subcontractor and Prime contractor for Archaeology in Utah
Project Area: Northern Utah
Project Highlights:

- Class I and Class III cultural resource inventory
- Avoidance of impacts to significant or sensitive historic properties



Piceance Basin Lateral
(CH2M Hill/Trigon and Oneok, Inc)

Alpine oversaw the cultural resource inventory, pre-construction data recovery, and archaeological monitoring for the Piceance Basin Lateral pipeline that extends 152 miles from Meeker, Colorado to Wamsutter, Wyoming. The inventory phase included the documentation and reevaluation of 102 culturally significant archaeological sites located in the proposed right-of-way. Following the inventory fieldwork, Alpine carried out backhoe testing at 21 sites considered to have the most potential for buried cultural deposits. This work was an effort to reroute and avoid archaeologically important sites whenever possible. As a result, only six archaeological sites were selected for pre-construction data recovery.



In 2008 and 2009, Alpine conducted extensive data recovery at a sample of sites that would be impacted by pipeline construction and monitored construction. Alpine ensured that archaeological discoveries made during monitoring were handled efficiently and thoroughly, so construction activities were not interrupted. Although 308 individual features on 99 sites were discovered during construction,

Period of Performance: 2007-Present

Responsibility: Subcontractor and Prime Contractor for Archaeology in Colorado and Wyoming

Project Area: Northern Colorado and Southern Wyoming

Project Highlights:

- Class I and Class III cultural resource inventory
- Pre-construction archaeological data recovery of six sites
- Archaeological monitoring of pipeline construction
- Avoidance of impacts to significant or sensitive historic properties

