

A close-up photograph of plant roots, likely from a grass or similar vegetation, growing in dark, moist soil. The roots are brown and fibrous, extending downwards from the green stems. The soil is dark brown and appears rich.

STATEMENT OF QUALIFICATIONS



**CHENOWETH & ASSOCIATES
ENVIRONMENTAL CONSULTANTS, LLC**



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INTRODUCTION

Chenoweth & Associates, LLC (C&A) is an environmental consulting firm specializing in environmental assessments, natural resource evaluations, and reclamation planning. Our consultants have academic and professional backgrounds in soil science, ecology, botany, erosion control, and stormwater management.

We have extensive experience that spans a wide range of areas of expertise, including developing and completing revegetation and reclamation plans, erosion control and stormwater plans, ecological assessments and evaluations, comprehensive environmental baseline studies, soil testing and amendment recommendations, and quantitative and qualitative vegetation inventories and analyses. Consultants for C&A are also experienced in regulatory and NEPA documentation, reclamation monitoring, wetland delineation and mitigation, GIS mapping and geoprocessing, and completing permit applications.

Our consulting efforts are tailored to meet our clients' needs while complying with applicable agency regulations and recognized environmental standards. C&A maintains solid relationships with our clients by offering quality environmental consulting efforts and staying within budget and the specified time frames required by individual projects. We recognize that our consulting efforts do not necessarily generate profits for our clients since they're a necessary overhead component of conducting business; therefore, we focus on the most cost-effective ways to complete projects with the most value and quality for the client.

At C&A, we are committed to excellence and exceeding our clients' expectations.



BACKGROUND

Chenoweth & Associates was formed in 1990 as a sister company to Western States Reclamation, Inc. (WSRI) in order to expand the breadth of consulting services we are able to offer our clients. Over the past 23 years, Chenoweth & Associates has completed numerous environmental consulting projects in 6 states. We have the distinct benefit of sharing resources with WSRI, a multimillion-dollar environmental contracting corporation, and we often work in concert with WSRI to implement reclamation and mitigation designs, saving our clients significant time and money.

CLIENTELE

Municipalities
Engineering and land-planning companies
Government agencies
Private corporations
Mining companies
Oil and gas companies
Landfill operators
Utility companies
Gravel quarries
Industrial landowners
Hazardous-waste generators
Private land developers
Railroads
Pipeline companies

SERVICES

SOIL SERVICES

Soil contamination analysis in accordance with EPA standards
Soil fertilizer and amendment recommendations
Soil surveys in accordance with USDA standards (Order 1, 2, & 3)
Topsoil management plans

STORMWATER MANAGEMENT SERVICES

Stormwater management plans
Stormwater management permits
Stormwater management monitoring and inspections
Site evaluation and BMP selection and budget analysis

VEGETATION SERVICES

Qualitative assessments
Quantitative assessments and analyses
Threatened and endangered species inventorying
Vegetation inventorying and mapping
Noxious weed mapping

RECLAMATION PLANNING SERVICES

Erosion control planning
Soil loss modeling utilizing the RUSLE2 program
Field monitoring topsoil stripping operations
Reclamation bonding/cost estimates
Schedules of reclamation
Seed mixture design
Seeding and mulching methods
Wetlands reconstruction plans
Reclamation design and engineering

PERMITS COMPILATION

Coal/mineral permit applications
NPDES permits and compliance monitoring
Oil and gas location permits
Federal energy regulatory commission permits

OVERBURDEN SERVICES

Acid-base potential
Evaluation of analytical data
Suitability for plant growth medium
Toxic material handling

WETLAND SERVICES

Wetland delineation
Wetland functional analysis
404 and applicable state permitting
Mitigation design, implementation, and monitoring

EXPERT WITNESS TESTIMONY

Natural resource issues
Reclamation and land restoration issues
Forest fire restoration efforts
Long-term erosion impacts

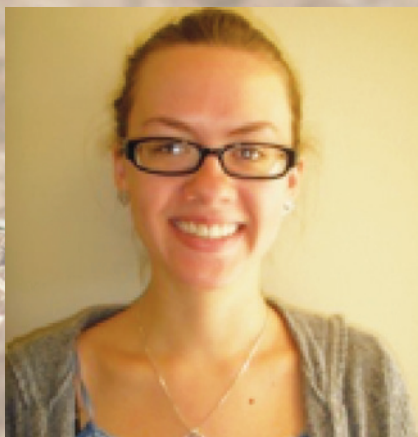
DAVID CHENOWETH
FOUNDER, PRESIDENT, AND SENIOR SOIL SCIENTIST



Mr. Chenoweth has over 35 years of experience in environmental permitting, revegetation research, soil surveys, revegetation and reclamation planning, and expert witness testimony for natural resource issues. He often staffs up to 150 field employees, and he has 30 years of experience in reclamation contracting throughout 17 states, on projects up to \$5 million. Mr. Chenoweth has written revegetation and stormwater management manuals and has conducted training workshops for clients.

He specializes in evaluating soil chemical and physical data to establish topsoil quality and quantity information. This information is used to: 1) establish topsoil management programs for revegetation success on energy-development and green-energy sites, 2) evaluate sites with problematic revegetation issues and establish corrective measures for future revegetation success, 3) establish cost-effective environmental and reclamation programs for clients, and 4) determine proper types and amounts of soil amendments to be utilized for revegetation when a lack of adequate topsoil exists or the topsoil is of poor quality.

CHELSEA DENOBLE, B.S.
SOIL SCIENTIST



Ms. DeNoble received her B.S. in Soil and Land Management from the University of Wisconsin-Stevens Point with a minor in Water Resources. She has taken courses in wetland soils, soil and plant analysis, wetlands ecology and management, agronomy, and soil survey interpretation. She has experience describing, mapping, classifying, and interpreting soils, as well as delineating wetlands.

TEAM BIOS



REPRESENTATIVE CLIENTS & PROJECTS

SOIL & VEGETATION SURVEYS

PROJECT: ENCANA RECLAMATION PLANNING AND BIOLOGICAL ASSESSMENT REPORTS (2011–PRESENT)

CLIENT | Encana

LOCATION | Western CO

DESCRIPTION | C&A has completed many baseline soil surveys, vegetation surveys, and noxious weed surveys for Encana in western Colorado. Data from the assessments are utilized in preparing site-specific reclamation plans for well pads and access roads.

PROJECT: GRANLEE GULCH HAUL ROAD BIOLOGICAL ASSESSMENT REPORT (2014)

CLIENT | Linn Energy

LOCATION | Parachute, CO

DESCRIPTION | C&A completed a soil interpretation along the Granlee Gulch Haul Road. Data from the assessment was used to prepare a reclamation plan, including soil amendment recommendations and a site-specific seed mix.

PROJECT: POND STOCKPILES BIOLOGICAL ASSESSMENT REPORTS (2014)

CLIENT | Whiting

LOCATION | New Raymer, CO

DESCRIPTION | C&A completed a soil interpretation on 7 subsoil stockpiles. Data from the assessment was used to prepare a reclamation plan, including soil amendment recommendations and a site-specific seed mix.



PROJECT: CAMEO BIOLOGICAL ASSESSMENT REPORT (2013)

CLIENT | Xcel Energy

LOCATION | Palisade, CO

DESCRIPTION | C&A completed a soil interpretation of the site because the client could not achieve vegetative growth. Data from the assessment was used to prepare a reclamation plan including soil amendment recommendations and a site-specific seed mix.

PROJECT: LOST BRIDGE PIPELINE BIOLOGICAL ASSESSMENT REPORT (2014)

CLIENT | ONEOK Partners, Inc.

LOCATION | McKenzie County, ND

DESCRIPTION | C&A completed a soil interpretation and vegetation survey of 10 miles of pipeline. Data from the assessment was used to prepare a reclamation plan that included a topsoil stripping plan, soil amendment recommendations, and a site-specific seed mix.

PROJECT: SENECA MINE VEGETATION MONITORING (2013)

CLIENT | Peabody

LOCATION | Hayden, CO

DESCRIPTION | C&A completed vegetation surveys to evaluate progress for bond release. This included an extended reference area, cover, herbaceous production, and woody plant density sampling.



PROJECT: ENVIRONMENTAL BASELINE STUDIES

CLIENT | Anaconda Minerals Company

LOCATION | Trinidad, CO

DESCRIPTION | C&A conducted comprehensive environmental baseline studies on a proposed mountaintop-removal coal mine. Studies included a soil survey, vegetation survey, and wildlife survey, as well as climatology data collection, cultural resources evaluation, and surface and groundwater hydrology.

PROJECT: CASTLE PINES FILING 11

CLIENT | Fidelity Investments – Castle Pines and DHM Design Corporation

LOCATION | Castle Rock, CO

DESCRIPTION | C&A performed soil sampling and evaluated laboratory analysis to determine the extent of in-situ topsoil. The type and amount of soil amendments needed to produce successful revegetation was determined. C&A designed native grass and wildflower seed mixtures compatible with low water usage and aesthetic values. Proper mulching and erosion control methods and materials were specified, and maintenance specifications were prepared.

PROJECT: WETLANDS SURVEY FOR FUTURE MINING SITES

CLIENT | Powder River Coal Company

LOCATION | Gillette, WY

DESCRIPTION | Surveys entailed vegetation and soil sampling within active and inactive mine sites. Potential wetlands were inventoried for mitigation as mining operations expand in the future. Approximately 25 plant communities and 75 soil sites were sampled to determine composition and hydrophytic nature.



PROJECT: ORDER 1 SOIL BASELINE STUDY FOR COUER ROCHESTER SILVER MINE

CLIENT | Couer Rochester Mine

LOCATION | Lovelock, NV

DESCRIPTION | C&A completed comprehensive Order 1 Soil Baseline Study on approximately 1,145 acres. Soil survey included comprehensive literature review, field mapping and classification, typical soil profile descriptions and sampling, laboratory analysis, plant growth medium evaluation, topsoil volume calculations, subsoil volume calculations, and soil survey map.

PROJECT: LOST BRIDGE PIPELINE BIOLOGICAL ASSESSMENT REPORT, 2014

CLIENT | ONEOK Partners, Inc.

LOCATION | McKenzie County, ND

DESCRIPTION | C&A completed a soil interpretation and vegetation survey of 10 miles of pipeline. Data from the assessment was used to prepare a reclamation plan including topsoil stripping plan, soil amendment recommendations, and site-specific seed mix.



PROJECT: BIG DRY CREEK PRELIMINARY BIOLOGICAL REPORT

CLIENT | City of Westminster

LOCATION | Westminster, CO

DESCRIPTION | A preliminary assessment of the wildlife, vegetation, and soil characteristics of the Big Dry Creek corridor was completed. The evaluation was conducted to assist the city in designing a trail system and evaluating future open space purchases. This work included a review of existing information, such as the soil survey data, and a field reconnaissance to evaluate the area. Specific vegetation communities were identified and mapped and soil types were verified. Wildlife habitat value was evaluated based on site conditions and indications of faunal usage. The final report included recommendations for further study and suggested management guidelines.

PROJECT: MCDONALD GOLD PROJECT – ENVIRONMENTAL IMPACT STATEMENT PREPARATION

CLIENT | Morrison-Maierle Environmental and The Montana Department Of Environmental Quality

LOCATION | Lincoln, MT

DESCRIPTION | C&A prepared soils and reclamation sections of an environmental impact statement. Included a review of physical and chemical soils data to respond to concerns over the ability to achieve long-term reclamation success. Evaluated procedures necessary to re-establish forests and grasslands similar to reference conditions, including proper soil salvage and replacement depths for waste rock piles, heap leach piles, and other disturbed areas.



PERMITS COMPILATION

PROJECT: PREPARATION OF DRILL PAD PERMITS

CLIENT | Williams Production Rmt (formerly Barrett Resources)

LOCATION | Garfield County, CO

DESCRIPTION | C&A prepared over 100 drill pad permit applications for Barrett Resources. Fieldwork consisted of digging backhoe pits to sample and describe major soil types and photo-document vegetation communities. Permit application preparation included description and location for BMPs, seed-mixture description, seeding methods, listing of soil chemical and physical data, soil amendment recommendations, and mulching materials and methods.

PROJECT: GARDNERS DITCH SAND AND GRAVEL PERMIT APPLICATION

CLIENT | Cat Construction

LOCATION | Commerce City, CO

DESCRIPTION | C&A prepared 112 permit applications for Colorado Mined Land Reclamation review. Permit application included discussion of mining methods, reclamation, bond calculations, soils, vegetation, and geology. C&A acted as liaison between Cat Construction and Adams County Planning Commission to respond to stipulations and conditions precedent to the client being granted a permit to mine.



ENVIRONMENTAL RESEARCH

PROJECT: HYDROSTRAW ALL-IN-ONE RESEARCH – ONGOING

CLIENT | Hydrostraw

LOCATION | Battlement Mesa, CO

DESCRIPTION | In 2014, C&A, along with sister company WSRI, tested HydroStraw All-in-One compared to other mulch products commonly used throughout western CO. Final research will be conducted in the summer of 2015 to see which mulch products provided the most vegetative growth and allowed the least amount of erosion.

CONSULTING, REVIEWS & EXPERT TESTIMONY

PROJECT: REVIEW OF BLM FARMINGTON FIELD OFFICE'S DRAFT CHANGES TO SURFACE USE OF OPERATIONS

CLIENT | ConocoPhillips

LOCATION | Farmington, NM

DESCRIPTION | C&A reviewed the Farmington Field Office (FFO) BLM 2012 Draft Changes to Surface Use Plan of Operations Procedure. C&A prepared a findings report for ConocoPhillips on attainable revegetation performance standards, and proposed alternate baseline vegetation sampling standards and alternative soil sampling protocols and topsoil salvage criteria. C&A presented testimony to BLM on behalf of the oil & gas industry on reasonable and practical changes to the FFO BLM Draft Surface Use Plan of Operations Procedures that would not compromise desired revegetation success standards.



PROJECT: BMP MANUAL EVALUATION

CLIENT | Pioneer Natural Resources

LOCATION | Denver, CO

DESCRIPTION | C&A prepared a BMP Manual and developed descriptions and illustrations of structural and non-structural BMPs to be utilized on well pads, access roads, and pipeline corridors.

PROJECT: EVALUATION AND RESPONSE TO 25 WORK ORDERS FOR DEFICIENCIES IN RECLAMATION, ISSUED TO BASS PETROLEUM BY THE BLM WHITE RIVER FIELD OFFICE

CLIENT | Bass Petroleum Company

LOCATION | Meeker, CO

DESCRIPTION | C&A reviewed work orders issued by the BLM-White River Field Office (WRFO) to determine the legitimacy of additional reclamation work due to alleged deficiencies. C&A researched current and draft BLM-WRFO regulations and completed field inspections of 25 well sites listed by the BLM. C&A evaluated adequacy of topsoil, assessed stability of reclamation activities, determined the presence and density of noxious weeds, and prepared a punch list of sites that required additional reclamation or erosion control work.



PROJECT: GARFIELD COUNTY WELL SITE RECLAMATION – EXPERT WITNESS TESTIMONY

CLIENT | Williams Production Rmt (formerly Barrett Resources)

LOCATION | Garfield County, CO

DESCRIPTION | C&A evaluated past reclamation efforts defined under a 3-year reclamation plan. The reclamation evaluation was completed by collecting physical and chemical soil analyses along with vegetation cover data on individual well sites and adjacent reference areas. Soils and vegetation data coupled with the determination of beneficial improvements to past reclamation efforts were used to write a new reclamation plan. The revised reclamation plan was titled the “Barrett 2000 Reclamation Plan,” and was submitted as a hearing exhibit for testimony in Garfield County in August 2000 and again in Denver, Colorado in September 2000. The Barrett 2000 Reclamation Plan was adopted by the Colorado Oil and Gas Commission as a guideline for all future reclamation efforts in Garfield County.



STORMWATER MANAGEMENT PLANNING

PROJECT: STORMWATER MANAGEMENT TRAINING

CLIENT | Pioneer Natural Resources and Bill Barrett Corporation

LOCATION | Parachute, CO and Green River, UT

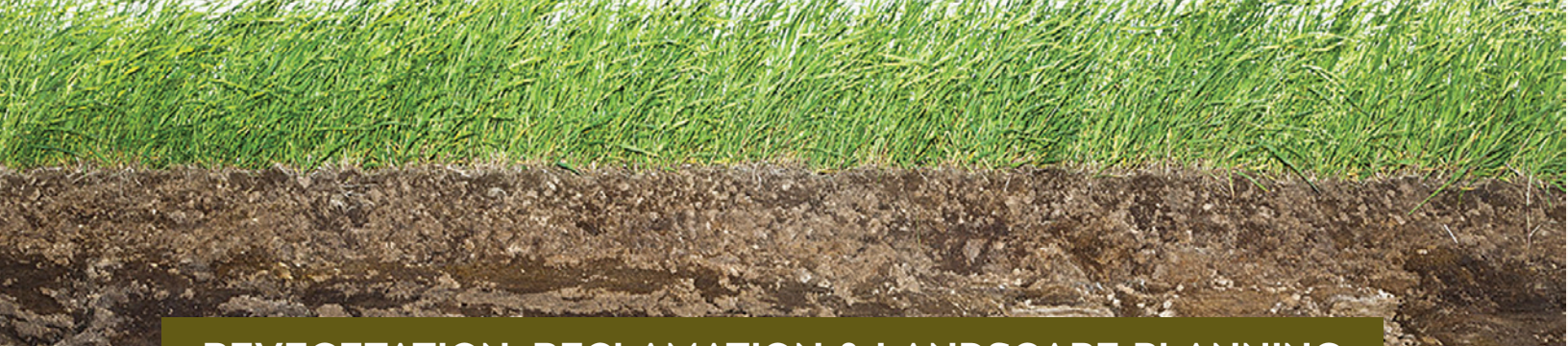
DESCRIPTION | C&A prepared and presented a stormwater management training program relative to Colorado and Utah Stormwater Permitting and Management requirements for the oil and gas industry. Training included classroom training and field well site evaluation for the proper selection and installation of BMPs.

PROJECT: O'NEIL RANCH STORMWATER MANAGEMENT AND RECLAMATION PLAN

CLIENT | Pioneer Natural Resources

LOCATION | Raton Basin (near Trinidad, CO)

DESCRIPTION | C&A mediated between Pioneer Natural Resources and O'Neil Ranch owners (Barry and Brian O'Neil) on surface disturbance issues and established acceptable stormwater management and reclamation plans. C&A also maintained or improved critical elk and turkey habitat, and collected baseline soils and vegetation data to establish a comprehensive sediment and erosion control plan, reclamation plan, and a noxious weed management plan.



REVEGETATION, RECLAMATION & LANDSCAPE PLANNING

PROJECT: REVEGETATION TRAINING MANUAL

CLIENT | Pioneer Natural Resources

LOCATION | Denver, CO

DESCRIPTION | C&A prepared a comprehensive revegetation training manual to be used by field inspectors. The training manual consists of the following sections: fertilization, soil preparation, drill-seeding, broadcast seeding, hydroseeding, site-specific seed mixtures for Raton Basin, seed quality, seed storage, proper seeding dates for Raton Basin, seed germination, seeding success, mulching and erosion control, and maintenance of seeded areas.

PROJECT: RECLAMATION PLAN FOR CAVE GULCH-BULLFROG-WALTMAN AREAS ON BLM

CLIENT | Bill Barrett Corporation and Chevron Corporation

LOCATION | Natrona County, WY

DESCRIPTION | C&A prepared the Bill Barrett Corporation 2004 Reclamation Plan for the Cave Gulch-Bullfrog-Waltman areas on BLM lands. The reclamation plan covered soil salvage, soil stockpiling, re-topsoiling, soil amendments/fertilization, seeding rates, seed mixtures, mulching, BMPs, fencing, weed control, inspections, and revegetation monitoring. This plan was required by the BLM, and the submission and approval was crucial to the Bill Barrett and Chevron corporations in order to continue oil and gas development in the area without interruption.



PROJECT: CASTLE PINES REVEGETATION

CLIENT | Fidelity Castle Pines

LOCATION | Castle Rock, CO

DESCRIPTION | C&A completed monthly walk-throughs with upper management to evaluate revegetation success and provide recommendations for water scheduling, weed control, and fertilization.

PROJECT: CAVE GULCH WELL SITES WEED MANAGEMENT GUIDELINES

CLIENT | Bill Barrett Corporation

LOCATION | Natrona, WY

DESCRIPTION | C&A conducted field visits to evaluate the presence and relative density of noxious weeds on well sites, roads, and pipelines. C&A prepared weed management guidelines that were accepted by the local BLM office and ensured compliance with the BLM's requirements for noxious weed control in the Cave Gulch area.

PROJECT: SUNMARKE COMMUNITY RESTORATION

CLIENT | Ascent Pointe Development and Paradigm Affiliates, Ltd.

LOCATION | Parker, CO

DESCRIPTION | C&A evaluated existing soil material for use as seedbed quality material. C&A designed a native grass/manicured turf seed mixture, 2 native grass seed mixtures, and 8 wildflower mixtures for common areas at the SunMarke Development. C&A also prepared maintenance specifications consisting of mowing, weed control, fertilization, and irrigation scheduling that reduced the grow-in time for native species.



PROJECT: RIDGEGATE AT LONETREE DEVELOPMENT

CLIENT | Design Workshop

LOCATION | Lonetree, CO

DESCRIPTION | C&A prepared a native grass/manicured turf seed mixture designed to blend with the colors and textures of the native woody plants. C&A evaluated existing soil material and determined that extremely high clay content and poor chemical parameters of the soil required a careful blending of imported sand and organic amendments to produce a desirable seedbed for optimum revegetation success. C&A saved the client several thousands of dollars over the cost of importing topsoil material.

PROJECT: CASTLE PINES DEVELOPMENT LANDSCAPE PLANNING

CLIENT | Meadows Metropolitan District and DHM Design Corporation

LOCATION | Castle Rock, CO

DESCRIPTION | C&A assisted with revegetation planning related to master landscape planning for new development filings within the community. C&A also attended monthly meetings with homeowner board members to represent the client and explain the elements of revegetation efforts, maintenance efforts, and the necessary time to achieve a successful project outcome. C&A designed several native grass, manicured turf, and wildflower seed mixtures for current and proposed developments that matched soils, site conditions, and community management objectives.



PROJECT: STONEGATE DEVELOPMENT REVEGETATION

CLIENT | DHM Design Corporation

LOCATION | Douglas County, CO

DESCRIPTION | C&A prepared comprehensive revegetation specifications for a new park and open space site, which included soil preparation, seeding, mulching, and maintenance sections. C&A collected soil samples and evaluated laboratory data for physical and chemical analysis to determine soil amendment and fertilizer needs for successful revegetation efforts. C&A utilized soil lab analyses to determine the proper native grass species to match soil-plant relationships. C&A worked with landscape architects to balance the desired texture and color scheme of native grasses with the site conditions. C&A also prepared cost estimates for soil preparation, seeding, mulching, and maintenance efforts.

PROJECT: FRONT RANGE NATURAL GAS PIPELINE REVEGETATION PLAN

CLIENT | Public Service Company of Colorado

LOCATION | Greeley, CO

DESCRIPTION | C&A performed field investigations to determine existing soils and vegetation communities along a 75-mile pipeline corridor. C&A utilized soils and vegetation data to prepare a final revegetation report, including topsoil stripping depth recommendations, native grass seed mixture design, mulching methods, fertilizer recommendations, and maintenance recommendations. C&A assisted clients with a court hearing on a landowner condemnation issue. C&A was qualified by the client's attorney as an expert witness to testify in court. C&A helped the client reach an out-of-court settlement by preparing accurate cost estimates for revegetation bond estimates.



PROJECT: SADDLEBACK MOUNTAIN DEVELOPMENT REVEGETATION AND EROSION CONTROL PLAN

CLIENT | DHM Design Corporation

LOCATION | Clear Creek County, CO

DESCRIPTION | C&A prepared a comprehensive revegetation and erosion control plan, including BMPs and maintenance budgets. C&A also designed native grass seed mixtures and listed woody plants that were adapted to site conditions, and provided an appropriate habitat for deer and elk in localized areas. This project provided overall erosion control and aesthetic values for homeowners and nearby residents.



RESUMES

DAVID R. CHENOWETH

Certified Professional Soil Scientist #25041

Corporate President, Western States Reclamation, Inc.
& Chenoweth & Associates Environmental Consultants, LLC

EDUCATION

Graduate coursework in Plant Ecology
University of Colorado, Denver, Colorado

Graduate coursework in Environmental Science
Colorado School of Mines, Golden, Colorado

B.S., Natural Resource Management, minor in Soil Science
Kansas State University, Manhattan, Kansas

SPECIALTIES

- Comprehensive planning and construction management for reclamation and revegetation of drastically disturbed lands
- Analysis and implementation of revegetation programs to mitigate problems with acid bearing or alkaline soils
- Open space planning and management with native plants
- Wildlife habitat design and construction

EXPERIENCE

- 37 years of overall experience
- 33 years of soil surveying and interpretation

PROFESSIONAL ACCOMPLISHMENTS

- General oversight and project management for a vast array of revegetation and reclamation projects and conditions in 17 states
- Completed work on Environmental Impact Statements (EISs) and Environmental Assessments (EAs)
- Completed numerous soil surveys and soil interpretations over 37 years
- Served as an expert witness regarding natural resource issues on 7 different cases
- Authored numerous mining and reclamation plan permit applications for coal and gravel mines
- Periodic guest speaker at various universities on revegetation and erosion control topics
- Served 3 years as President of the American Society of Mining Reclamation
- Served on Kansas State University's Crops, Soils, and Agronomy Board of Directors

EMPLOYMENT

President

January 1983–Present

Western States Reclamation, Inc., Frederick, Colorado

Responsibilities include overall management, hiring, training, supervision, and assessment of staff members. Also responsible for all client coordination, marketing, sales, financial controls, and project management for environmental contracting and consulting projects. Specific environmental contracting includes reclamation and revegetation of construction and mining projects. Research proper seed mixes for the utilization in minimizing erosion problems. Perform soil and vegetation studies.

President

July 1990–Present

Chenoweth & Associates Environmental Consultants, LLC, Broomfield, Colorado

Complete order 1, 2, and 3 soil surveys for clients as a part of comprehensive topsoil management plans for energy development projects. Determine adequacy of soil quality and quantity for reclamation plans. Oversee staff and subconsultants performing environmental baselines studies, which include vegetation mapping, vegetation qualitative and quantitative field data collection and analysis, and noxious weed mapping. Oversee the completion of comprehensive reclamation plan preparation, including monitoring and maintenance plans to help ensure successful reclamation efforts for energy development clients. Review and comment on new state and federal agency regulations and advise energy clients as to fairness of proposed new regulations during public comment period. Complete reclamation feasibility assessments for various clients and projects. Prepare erosion control and storm water management plans. Oversee field studies to evaluate current range conditions and current grazing practices to determine proper livestock stocking rates. Serve as expert witness on land reclamation and natural resource issues involving private and public land damage and cost estimates for damage claims.

Permits Coordinator/Project Coordinator

July 1981–October 1982

ARCO Coal Company, Denver, Colorado

Responsibilities included departmental coordination of in-house activities regarding the preparation of mining and reclamation plan permit applications. Functioned as liaison between company and regulatory agencies for coal mine development. Provided technical guidance to subordinate staff. Worked with Colorado, Utah, and Wyoming regulatory programs. Authorized several comprehensive permit applications for surface and underground coal mines. Project management responsibilities included evaluation of prospective, established, and new coal mines regarding potential environmental complications in the areas of threatened or endangered species and lack of adequate reclamation potentials. Also was involved with the assessment and hiring of reclamation contractors for the demolition, backfilling, grading, reclamation, and revegetation of mining facilities and sites.

Environmental Coordinator/Soil Scientist

July 1979–July 1981

ARCO Coal Company, Denver, Colorado

Responsibilities included conducting major environmental baseline studies that contained soil surveys, vegetation studies, air quality studies, surface and groundwater reviews, meteorological studies, and wildlife impact assessments. Also managed outside consultants in the completion of some of the studies. Involved with the project coordination, direction, scheduling, budgeting, assessments, and final work products. Completed the work for two surface coal mines, five underground coal mines, one coal preparation plant, and two oil shale properties in three western states. Served as staff soil scientist regarding soil reclamation and soil chemistry issues.

Responsibilities included conducting big-game surveys and monitoring all hydrologic and meteorology facilities on two surface coal mines covering a 4,000 acre tract. Conducted topsoil stripping management plans and reclamation research on in-house test plots in Wyoming.

Soil Conservation Aide
U.S. Department of Agriculture, Topeka, Kansas

Responsible for designing, field surveying, and on-site construction management of terraces, waterways, diversions, and stock water ponds. Also utilized the Universal Soil Loss Equation (USLE) to identify and implement control measures for soil loss from wind and water erosion. Responsible for designing farm management plans, including wind and water erosion. Responsible for designing farm management plans, including crop and pasture rotation programs, water conservation improvements for farm productions, and wildlife habitat enhancement. Performed soil compaction testing and construction oversight on five different watershed flood protection dams in four different counties.

SELECTED PUBLICATIONS AND WORKSHOPS

Chenoweth, D.R. "Industrial Development with a Conscientious Effort to Control Erosion." Proceedings of Conference XV International Erosion Control Association, Inc.

Chenoweth, D.R. "Designing an Effective Native Seed Mixture." Colorado Green-Associated Landscape Contractors of Colorado, Inc., Spring 1986, Vol. 2, No. 1.

Chenoweth, D.R. "New Reclamation Technology From a Contractor's Point of View: What Works, What's Questionable." Fifth Billings Symposium on Disturbed Land Rehabilitation, 1990, Vol. 2.

"Beyond Jute, Hay Bales, and Rip-Rap." Team instructor for Mountain States Chapter of the International Erosion Control Association, first training workshop on erosion control technologies, Denver, Colorado.

Chenoweth, D.R. "Adapting Technology and Confronting Logistical Problems on Linear Restoration Projects." Proceeding of Conference 28 International Erosion Control Association, Nashville, Tennessee.

Chenoweth, D.R., M. Clelland, and G. Datka. 2003. "Straw Mulch Certification Myths, Production, Delivery and Storage Challenges for Fire Restoration Projects."

Post-Fire Rehabilitation Treatments Conference and Expo. Mountain States Chapter of the International Erosion Control Association, Denver, Colorado.

Chenoweth, D.R. "The Art and Science of Revegetation at Castle Pines." *Colorado Green Magazine*, summer 2004, Vol. 20, No. 3.

Chenoweth, D.R., D. Holland, G. Jacob, L. Kruckenberg, J. Rizza, and B. Whiteley. "Economic Benefits of Completing Reclamation Successfully the First Time for Oil and Gas Sites." Proceeding of Conference 41st International Erosion Control Association, Dallas, Texas.

PROFESSIONAL AFFILIATIONS

- High Altitude Revegetation
- Soil Conservation Society of America
- American Society of Mining Reclamation
- Associated Landscape Contractors of Colorado
- Colorado Contractors Association
- International Erosion Control Association
- Mountain States Chapter-International Erosion Control Association, Treasurer
- Range Management Society of America

CHELSEA DENOBLE

Soil Scientist/Project Manager/Estimator

Western States Reclamation, Inc. and Chenoweth & Associates
Environmental Consultants, LLC

EDUCATION

B.S., Soil and Land Management, minor in Water Resources
University of Wisconsin, Stevens Point, Wisconsin

EXPERIENCE

- 3 years of reclamation planning and soil interpretation
- 1 year of project management and coordination
- 3 years of project estimating and procurement

CERTIFICATIONS

- MSHA Surface: Coal, Metal, Nonmetal
- Safeland USA
- First Aid, CPR, AED

SPECIALTIES

- Coursework in wetland soils, soil/plant analysis, soil genesis and morphology, soil physics, soil survey interpretation, wetlands ecology, and soil profile description writing
- Field experience in describing, mapping, classifying, and interpreting soils as well as delineating wetlands

EMPLOYMENT

Soil Scientist **May 2012–Present**
Chenoweth and Associates Environmental Consultants, LLC., Frederick, Colorado

Performed soil and vegetation field work including soil interpretation and profile description writing, and assisted with vegetation cover transects and biomass collections. Generated reclamation plans including topsoil handling procedures, revegetation, amendment recommendations, and seed mix creation.

Project Estimator/Project Manager **May 2012–Present**
Western States Reclamation, Inc., Frederick, CO

Responsible for executing reclamation projects in a timely manner while maintaining budget control. Provide costs through the bidding process with potential customers and work to see where costs savings can be achieved. Provide estimates of large- and small-scale environmental reclamation projects to varying industries in the western United States. Estimated items include: erosion control, revegetation, landscape installation, and noxious weed management. Estimates for services provided to a range of customers, including: oil, gas, land development, waste facilities (landfills), mining, and governmental agencies.

JOE SCHNEIDER
Project Manager/Estimator
Chenoweth & Associates Environmental Consultants, LLC
& Western States Reclamation, Inc.

EDUCATION

M.S., Landscape Architecture
Kansas State University, Manhattan, KS

B.S., Landscape Horticulture
Colorado State University, Fort Collins, CO

SPECIALTIES

- Project estimation and procurement
- Microsoft Project Management
- GIS Capabilities

EXPERIENCE

- 6 years of project management and coordination
- 6 years of project estimating and procurement
- 3 years of residential landscape design build

EMPLOYMENT

Project Estimator/Project Manager
Western States Reclamation, Inc., Frederick, Colorado

December 2008–Present

Responsible for executing reclamation projects in a timely manner while maintaining budget control. Provide costs through the bidding process with potential customers and work to see where costs savings can be achieved. Provide estimates of large- and small-scale environmental reclamation projects to varying industries in the western United States. Estimated items include: erosion control, revegetation, landscape installation, and noxious weed management. Estimates for services provided to a range of customers, including: oil, gas, land development, waste facilities (landfills), mining, and governmental agencies.

Graduate Teaching Assistant
Kansas State University, Manhattan, Kansas

August 2005–December 2007

Assisted professors with teaching and evaluating technology labs and planting design courses. Assisted Dr. Tim Keane with surveying and data collection on stream reference reaches in eastern Kansas.

Project Foreman
Teufel Landscape, Seattle, Washington

January 2003–May 2005

Managed and installed small design build projects in Seattle and surrounding areas. Projects consisted of high-end residential and small commercial projects.

Field Technician
Northern Colorado Water Conservancy District, Berthoud, Colorado

May 1999–December 2002

Established, managed, and maintained research projects and equipment across Northern Colorado.

PROFESSIONAL AFFILIATIONS

- Member of American Society of Landscape Architects
- Member of American Water Works Association

Recent projects include: ONEOK Douglas and Niobrara Laterals in Douglas, WY, Southern Delivery System in Pueblo, CO, Apex Expansion in Salt Lake City, UT, Overland Pipeline in Northwestern Colorado/South Central Wyoming.

LETTERS OF RECOMMENDATION



To Whom It May Concern:

This letter acknowledges that I have personally been involved in overseeing contracting work completed by Western States Reclamation, Inc. (WSRI) and environmental consulting work completed by its sister company Chenoweth & Associates Environmental Consultants, LLC. (C&A) for Encana. Both of these companies have provided superior services at competitive pricing over the past 5 years.

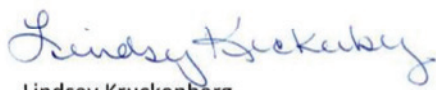
C&A was involved in the reworking of Encana's Surface Management Guideline Manual in 2010 and the writing of several procedural documents in recent years. As an off shoot of reworking the Surface Management Guideline Manual, C&A was asked by Encana Environmental staff to suggest what future information would be useful to enhance existing reclamation/revegetation planning efforts. C&A provided the concept of Biological Assessment Reporting (BAR) system in 2010. The BAR system was put into operation during 2011, and has been used in subsequent years.

The BAR system consists of two major components. The first component consists of collection of valuable field data for soils, vegetation, and noxious weeds. Specifically, C&A completes an Order 1 Soil Survey along with soil sampling by soil horizon. A vegetation survey consist of establishing a vegetation transect reference area for cover data collection, vegetation community description, and vegetation species list. A noxious weed inventory is completed which identifies the type and location of any significant noxious weed densities. The weed species are categorized by the Colorado Department of Agriculture's A, B, and C priority control list. GPS data for soils, vegetation, and noxious weeds is collected by C&A in the field and submitted to our internal GIS Department. In the second component of the BAR system, C&A creates a Reclamation Template whereby the BAR field data is utilized to create a site specific reclamation plan for any proposed new well pads and access roads. The final BAR report and associated Reclamation Plan Template allows Encana to provide contractors with topsoil salvage information, soil amendments needed to overcome harsh soil conditions and/or sites with limited topsoil reserves, vegetation seed mixtures, seeding/mulching methods, stormwater best management practice selection, and noxious weed treatment products and techniques.

C&A personnel conducted a topsoil management workshop for Encana personnel and Encana's earthwork contractors during the summer of 2012. This workshop provided valuable information on the different types of soils found on Encana sites and the importance of salvaging the proper depths of topsoil to increase chances for successful revegetation efforts.

WSRI and C&A have had to buy in to and comply with Encana's very strict safety program. All of their employees are required to receive three days of safety training in addition to Encana's in-house safety orientation. Also, WSRI and C&A have had to adjust and adapt to our ever changing demands and schedules for services. They have shown that they can handle these changing scheduling dynamics. It is without hesitation that I would recommend WSRI for revegetation contracting work or C&A for environmental baseline data collection and reclamation planning.

Sincerely



Lindsey Kruckenberg



Siting and Land Rights

550 15th Street, Suite 700
Denver, Colorado 80202-4256
Telephone: 303.571.7799
Facsimile: 303.571.7877

To Whom It May Concern:

Xcel Energy/Public Service Company of Colorado has utilized the services of Chenoweth & Associates Environmental Consultants, LLC, and Western States Reclamation, Inc for approximately the past 15 years. The services provided have been the preparation of revegetation & erosion control plans followed with completing the actual revegetation/restoration work for the construction of new natural gas pipeline and electric transmission line facilities. This has been followed up with revegetation success assessments and letters for documentation and obtaining releases from State of Colorado Stormwater Discharge Permits, etc. and various city/county jurisdictions restoration requirements in land use permits.

Dave Chenoweth and his associates have always provided quality services and work in a very professional, timely manner. I would highly recommend Chenoweth & Associates Environmental Consultants, LLC and Western States Reclamation, Inc. for any reclamation needs.

Sincerely,

Alan C. Morganfield, SRWA, PLS
Team Lead

PIONEER

NATURAL RESOURCES

Pioneer Natural Resources USA, Inc.
1401 17th Street, Suite 1200
Denver, Colorado 80202
Tel: (303) 298-8100 Fax: (303) 298-7800

March 23, 2009

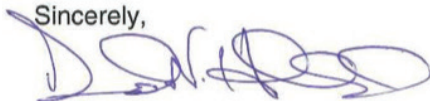
To Whom It May Concern:

I have had the opportunity to work with Western States Reclamation Inc. and their sister company Chenoweth & Associates Environmental Consultants LLC. for the past 5 years. They have completed projects for us in the Raton Basin near Trinidad, Colorado and the Piceance Basin near Rangely, Colorado.

Chenoweth & Associates was initially interviewed and hired by Pioneer Natural Resources USA, Inc. (Pioneer) to help mitigate a dispute between Pioneer and local ranchers where we had on-going drilling activities occurring in the Raton Basin. As part of the mitigation agreement, Chenoweth & Associates was hired to prepare a comprehensive reclamation plan that was mutually acceptable to the ranchers and Pioneer while satisfying reclamation requirements of the Colorado Oil and Gas Conservation Commission. The reclamation plan covered soil amendments for areas lacking adequate topsoil for revegetation, designing multiple seed mixtures and seeding methods to aid in re-establishment of wildlife habitat, mulching methods, and a noxious weed management plan. The plan was ultimately accepted by the ranchers and Western States Reclamation was retained to complete several hundred acres of work on the ranches. Western States also completed work on the nearby Hicks San-Pablo pipeline along a sensitive riparian area. On-site assessments of both of these project sites last fall, with Western States personnel, proved superior and diverse vegetative cover on the majority of the project sites.

I would recommend Western States for other reclamation projects without reservation. Please contact me if you should have any additional questions regarding Western States.

Sincerely,



David N. Holland
Environmental and Regulatory Manager, Rockies Asset Team



To Whom It May Concern:

I am writing in reference to my professional association with Chenoweth & Associates & Western States Reclamation. David Chenoweth & I have successfully collaborated on a number of projects over the past several years working throughout the Denver metro area.

Long before our current drought situation, we recognized the untapped design potential of the native prairie landscape. David's extensive technical background, coupled with his practical experience made him an invaluable resource in understanding how best to interpret the design attributes of the native grasses & wildflowers found in our prairie ecosystem.

In fact, one of our most recent endeavors was written up in the Rocky Mountain News in the January Business Section titled "Building a Prairie Ethic". Together, Paradigm Affiliates, Ltd. & Chenoweth & Associates developed an "enhanced prairie plant palette" for the landscape design of the 1,500-acre SunMarke community located in the Town of Parker, Colorado.

David & his team developed a wide variety of specific grass seed mixes & wildflower seeds mixes which were instrumental in the execution of this "enhanced prairie" landscape design. Plant establishment, maintenance requirements, along with water application & lifecycle cost implications were all part of the professional services provided by Chenoweth & Associates.

It is without hesitation that I highly recommend David Chenoweth & his firms. Their commitment to quality & innovation, coupled with their hands-on experience makes the Chenoweth team an asset to any Landscape Architectural endeavor.

Respectfully,

Alison Promin, President
Paradigm Affiliates, Ltd.

CASTLE ROCK DEVELOPMENT COMPANY

To Whom It May Concern:

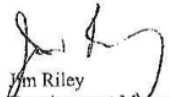
We have worked with landscape contractor, Western States Reclamation, and consultant Dave Chenoweth for the past several years. We have found that both provide excellent quality work and creative solutions for the landscaped areas of our master-planned communities.

Western States Reclamation continues to be a reliable contractor who is responsive to our needs. They have consistently completed jobs on time and within budget. Additionally, they are able to quickly mobilize their crews when necessary and always stand behind their work.

In a consultant role, Mr. Chenoweth provides expert advice and opinions. On several occasions we have asked Mr. Chenoweth to speak to our homeowner associations. In each instance Mr. Chenoweth proved to be an asset to our team, dealing appropriately and effectively with our constituents.

We would not hesitate to recommend Western States Reclamation or Dave Chenoweth for any and all of your landscaping needs.

Sincerely,



Jim Riley
Development Manager



Brian Birdwell
Project Manager



**Regarding: Western States Reclamation, Inc.
Castle Pines Village Landscape Construction**

To Whom It May Concern,

The discussion below will serve as a Letter of Recommendation, (and a strong personal endorsement!), for Western States based upon their continuing role in the development of common open space within the new Village Lake area of Castle Pines. As the principle landscape architect for Fidelity Castle Pines, Ltd., I have had the opportunity to participate in the master planning, detailed design, construction and maintenance supervision for this new community of more than 250 homes over the last four years.

The Village Lake community was envisioned from the onset of planning to include extensive amenitization of the landscape areas, including dramatic entry features and streetscapes, a trail system through meandering open spaces, and the new Village Fitness Center adjacent to a 2-1/2 acre lake and cascading water feature. When a rather lengthy interview process for landscape contractors was concluded, Western States was chosen, (teamed with Valley Crest Landscape Development,) to undertake all of our seed selection, revegetation, soil preparation and seeding for the project.

Castle Pines Village, located south of Denver near Castle Rock, Colorado, includes extensive mountainous terrain with widely varying soil conditions, and is largely forested with Ponderosa Pine and the native Gambell Oak. The Village has a fairly strong tradition of landscaping within the native plant vocabulary, however, with regard to turf grass, we have seen the full spectrum from traditional bluegrass sod to a number of experiments with "native grass" blends.

In the case of the Village Lake community, the use of alternative, water-conserving turf grasses was a necessity in both our design goals for a natural landscape, and in the need for reduced irrigation water consumption. Western States considerable experience and extensive knowledge of alternative turf applications has been invaluable to us in the pursuit of those goals.

Western States specific responsibilities have included design of specifications for a number of seed mixes, including a manicured, (frequently mowed,) turf grass for yard and street frontages, and several blends of "native", more drought-tolerant turf grasses through the open space areas, including varying solar exposures, drainage areas, and so forth. Installation methods have included drill seeding, hand application and hydro-seeding and mulching. Prior to seeding, analysis of site soil conditions with specific soil amendment recommendations has been an important service.

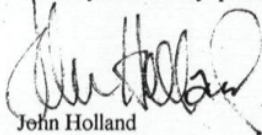
FIDELITY CASTLE PINES, LTD
482 HAPPY CANYON ROAD, CASTLE ROCK, COLORADO 80104
PH: 303.688.4500 FX: 303.688.8118
www.castlepines.com

David Chenoweth has also provided important consulting services on an ongoing basis. These include assistance in the development of landscape maintenance contract specifications, irrigation water application rates and schedules, and monthly site inspections of project conditions, with recommendations for corrective or remedial measures as appropriate.

Our clientele here in Castle Pines Village is quite affluent and in many cases, quite demanding. Even within our natural, "mountain-scape" design approach and embracing of xeriscape principles, there often remains a strong market resistance to alternative turf grasses in our residential applications, and the familiar appeal and "instant gratification" of bluegrass sod can be difficult to counter. Our decision to not permit bluegrass within the new community was not made without some trepidation.

There is no question that Western States' expertise has been critically helpful in the broad acceptance by our homeowners of the native landscape approach, and we are currently beginning to achieve some dramatic savings in irrigation water consumption, which we have projected to be on the order of 300 to 400% less than the traditional bluegrass, (or turf-type fescue,) approach.

Should you have any questions, please feel free to call me at 303-688-4500.

A handwritten signature in dark ink, appearing to read "John Holland", is written over a horizontal line.

John Holland
Project Landscape Architect

PROFESSIONAL REFERENCES

Lindsey Kruckenberg – US Division Surface Management Lead
Encana Corporation
(970) 285-2711
lindsey.kruckenberg@encana.com

Bryan Whiteley – Landscape Architect
Encana Corporation
(970) 285-2600
bryan.whiteley@encana.com

Jerry Jacob – Environmental Advisor
Pioneer Natural Resources, Inc.
(303) 298-8100
jerry.jacob@pxd.com

Al Morganfield – Manager, SR/WA, PLS
Lonetree Energy (formerly with Xcel Energy)
(303) 233-8700
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Mike Gasper – Landscape Architect
DHM Design Corp.
(303) 892-5566 ext. 340
mgasper@dhmdesign.com

James Taiwo Akingbola, ONEOK
james.akingbola@oneok.com

James Hartsig, Whiting Petroleum
(970) 437-4137
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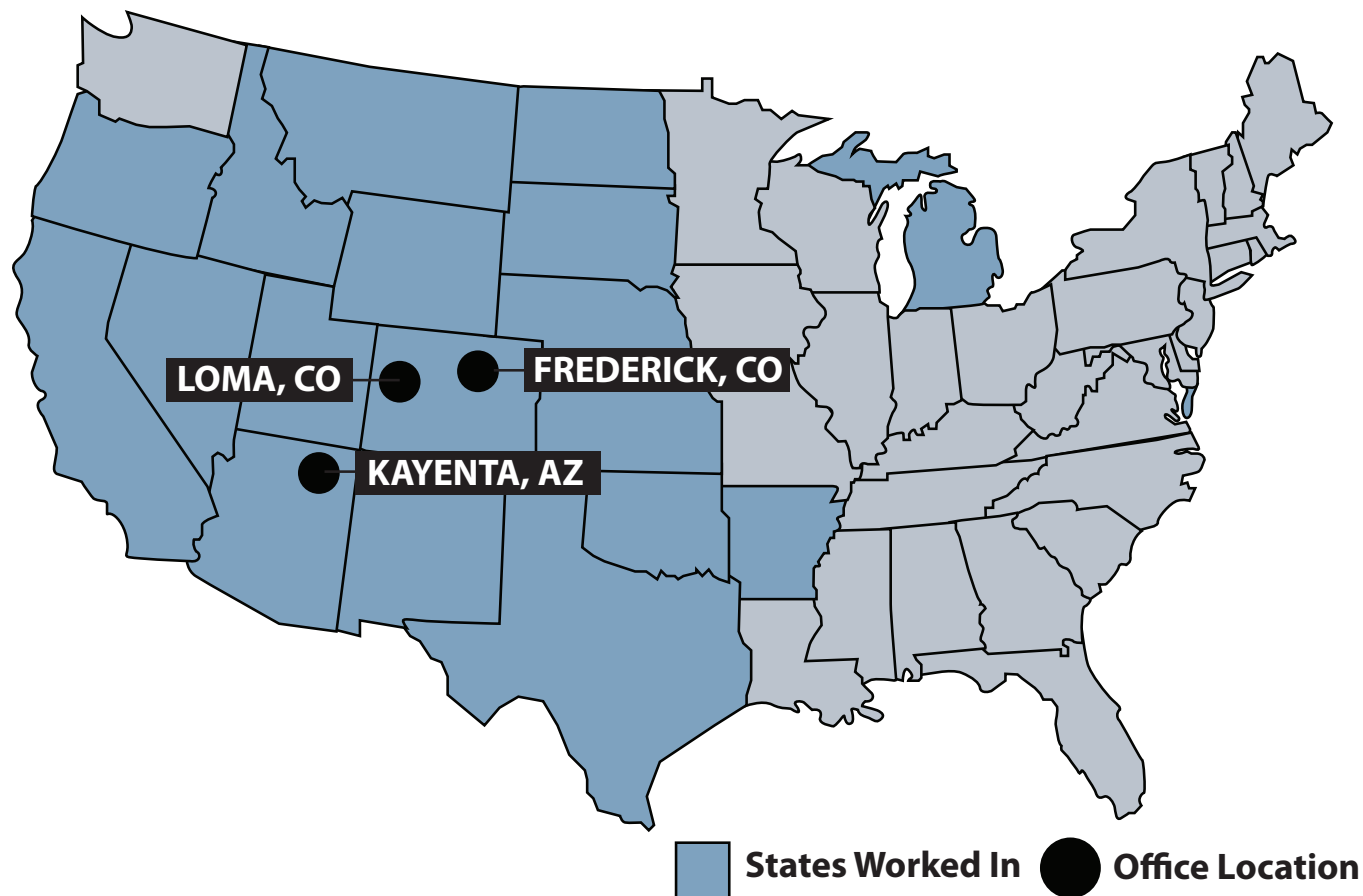
Vern Pfannenstiel, Peabody Energy
(928) 677-5129



CHENOWETH & ASSOCIATES
ENVIRONMENTAL CONSULTANTS, LLC



**WESTERN
STATES**
RECLAMATION, INC.



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