Utah Department of Natural Resources

UTAH DNR 50th ANNIVERSARY

2017 Annual Report

2017 Directory of Services and Annual Report for 2015-2016

UTAH DNR FORESTRY | UTAH DNR OIL, GAS & MINING | UTAH DNR STATE PARKS | UTAH DNR WATER RESOURCES | UTAH DNR WATER RIGHTS | UTAH DNR WILDLIFE | UTAH DNR GEOLOGICAL SURVEY

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- Division of Parks and Recreation
- Division of Water Resources
- Division of Water Rights
- Division of Wildlife Resources
- Utah Geological Survey

DIRECTORY

Utah Department of Natural Resources

1594 West North Temple, Suite 3710
PO Box 145610
Salt Lake City, Utah 84114-5610
801-538-7200
801-538-7315 (fax)
naturalresources.utah.gov

Monday – Friday
8:00 a.m. – 5:00 p.m.
(closed on holidays)

Executive Team

L to R: Darin Bird, Robyn Pearson, Kaelyn Anfinsen, Mike Styler, Nathan Schwebach

Michael Styler — Executive Director
801-538-7201 mikestyler@utah.gov

Darin Bird — Deputy Director
801-538-7201 darinbird@utah.gov

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Nathan Schwebach — Communications Director/PIO
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Administrative Team

L to R back row: Dennis Carver, Bill Boudreau, Sid Groll, Wade Kloos.
L to R front row: Alan Clark, Linda Beus, Henry Maddux

Linda Beus — Human Resources Director
801-538-7319 lindabeus@utah.gov

Dennis Carver — Finance Director
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Sid Groll — Law Enforcement Director
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Henry Maddux — Species Recovery Program Director
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Wade Kloos — GIS Director
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Online Resources

Employment
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Twitter
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Facebook
facebook.com/UtahDNR

YouTube
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Utah Division of Forestry, Fire and State Lands

1594 West North Temple, Suite 3520
PO Box 145703
Salt Lake City, Utah 84117-5703
801-538-5555
801-533-4111 (fax)
ffsl.utah.gov

Executive Team

L to R: Mike Ulibarri, Roger Lewis, Whitney Norton, Brian Cottam (not pictured, Jason Curry)

Brian Cottam — Division Director/State Forester
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Mike Ulibarri — Acting Deputy Director
801-538-5502 mulibarri@utah.gov

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Jason Curry — Public Information Officer/
Law Enforcement Officer
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Online Resources

Facebook
facebook.com/UtahForestryFireStateLands

Twitter
@UtahFFSL

Regional Offices

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1139 North Centennial Park Drive
Richfield, UT 84701
435-896-5697
rontorgerson@utah.gov

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435-586-4408
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Salt Lake City, UT 84114-5703
801-538-4818
trentbristol@utah.gov

Bear River Area
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435-752-8701
blainhamp@utah.gov

Lone Peak Conservation Center
Gary Peck, Center Manager
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Draper, UT 84020-9599
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garypeck@utah.gov

Utah Division of Oil, Gas and Mining

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (fax)
ogm.utah.gov

Executive Team

L to R: Sheri Sasaki, John Baza, Hollie Brown, John Rogers, Dana Dean, Steve Schneider, Paula Dupin-Zahn

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801-538-5334 johnbaza@utah.gov

Dana Dean — Associate Director for Mining
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John Rogers — Associate Director for Oil and Gas
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Steve Schneider — Legislative Liaison
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Hollie Brown — Public Information Officer
801-538-5324 holliebrown@utah.gov

Paula Dupin-Zahn — Finance Manager
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Sheri Sasaki — Administrative Secretary
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Regional Offices

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Price, UT 84501
435-613-3737 / 435-613-3739 (fax)

Vernal Office
318 North Vernal Avenue
Vernal, UT 84078-2126
435-247-1539

Online Resources

Website
ogm.utah.gov

Mining Permits
linux3.ogm.utah.gov/WebStuff/wwwroot/coal/default.html

Oil Drilling Permits
oilgas.ogm.utah.gov/Quick_Refs/qref_permits.htm

Facebook
facebook.com/utahoilgasandmining

Twitter
@UtahOGM

Utah Division of Parks and Recreation

1594 West North Temple, Suite 116
PO Box 146001
Salt Lake City, UT 84114-6001
801-538-7220
801-538-7378 (fax)
stateparks.utah.gov

Executive Team

L to R: Jeff Rasmussen, Wendy Wack, Scott Strong, Eugene Swalberg, Fred Hayes (not pictured, Eric Stucki)

Fred Hayes — Director
801-538-7336 fredhayes@utah.gov

Jeff Rasmussen — Deputy Director
801-870-7138 jeffrasmussen@utah.gov

Scott Strong — Finance Manager
801-664-1381 scottstrong@utah.gov

Eugene Swalberg — Communications/Marketing
435-820-1247 eugeneswalberg@utah.gov

Wendy Wack — Administrative Assistant
801-538-7418 wendywack@utah.gov

Eric Stucki — Legislative Liaison
801-533-5127 ericstucki@utah.gov

Regional Offices

North Region
Dave Harris, Region Manager
1084 North Redwood Road
Salt Lake City, UT 84116-1555
801-533-5127

Southeast Region
Tim Smith, Region Manager
1165 South Highway 191, Ste.7
Moab, UT 84532-3062
435-259-3750

Southwest Region
Wayne Monroe, Region Manager
646 North Main Street
Cedar City, UT 84721
435-586-4497

State Parks and Museums

Anasazi State Park Museum
Mike Nelson, Park Manager
435-335-7308

Antelope Island State Park
Jeremy Shaw, Park Manager
801-773-2941

Bear Lake State Park
Richard Droesbeke, Park Manager
435-946-3343

Camp Floyd/Stagecoach Inn State Park and Museum
Mark Trotter, Park Manager
801-768-8932

Coral Pink Sand Dunes State Park
Michael Franklin, Park Manager
435-648-2800

Dead Horse Point State Park
Megan Blackwelder, Park Manager
435-259-2614

Deer Creek State Park
Dawn Larsen, Park Manager
435-654-0171

East Canyon State Park
Chris Haramoto, Park Manager
801-829-6866

Edge of the Cedars State Park Museum
Chris Hanson, Park Manager
435-678-2238

Escalante Petrified Forest State Park
Kendall Farnsworth, Park Manager
435-826-4466

Flight Park State Recreation Area
Eric Stucki, Park Manager
801-533-5127

Fremont Indian State Park and Museum
Kevin Taylor, Park Manager
435-527-4631

Frontier Homestead State Park Museum
Todd Prince, Park Manager
435-586-9290

Goblin Valley State Park
Aaron Farmer, Park Manager
435-564-3633

Goosenecks State Park
Chris Hanson, Park Manager
435-678-2238

Great Salt Lake State Park Marina
David Shearer, Harbor Master
801-250-1898

Green River State Park
Aaron Farmer, Park Manager
435-564-3633

Gunlock State Park
Laura Melling, Park Manager
435-628-2255

Historic Union Pacific Rail Trail State Park
Mountain Trails Foundation
435-649-6839

Huntington State Park
Jonathan Hunt, Park Manager
435-687-2491

Hyrum State Park
Chris Bradshaw, Park Manager
435-245-6866

Jordan River OHV State Recreation Area
Vacant, Park Manager
801-533-5424

Jordanelle State Park
Laurie Backus, Park Manager
435-649-9540

Kodachrome Basin State Park
Jon Wikan, Park Manager
435-679-8562

Millsite State Park
Jonathan Hunt, Park Manager
435-687-2491

Otter Creek State Park
Michael Franklin, Park Manager
435-624-3268

Palisade State Park
Shon Tripp, Park Manager
435-835-7275

Piute State Park
Michael Franklin, Park Manager
435-624-3268

Quail Creek State Park
Laura Melling, Park Manager
435-879-2378

Red Fleet State Park
Mike Murray, Park Manager
435-789-4432

Rockport State Park
Vacant, Park Manager
435-336-2241

Sand Hollow State Park
Laura Melling, Park Manager
435-680-0715

Scofield State Park
Jonathan Hunt, Park Manager
435-448-9449

Snow Canyon State Park
Kristen Comella, Park Manager
435-628-2255

Starvation State Park
Alan Spencer, Park Manager
435-738-2326

Steinaker State Park
Mike Murray, Park Manager
435-789-4432

Territorial Statehouse State Park Museum
Carl Camp, Park Manager
435-743-5316

This Is The Place Heritage Park
Private Foundation Director
801-582-1847

Utah Field House of Natural History State Park Museum
Steve Sroka, Park Manager
435-789-3799

Utah Lake State Park
Jason Allen, Park Manager
801-375-0731

Wasatch Mountain State Park
Tracy See, Park Manager
435-654-1791

Willard Bay State Park
James Morgan, Park Manager
435-734-9494

Yuba State Park
Cheston Slater, Park Manager
435-758-2611

Online Resources

Website
stateparks.utah.gov

Boating Safety:
stateparks.utah.gov/boating

Camping Reservations:
stateparks.utah.gov/reservations

Off-Highway Vehicles:
stateparks.utah.gov/ohv

Facebook:
facebook.com/utahstateparks
facebook.com/UtahStateParksBoatingProgram
facebook.com/UtahStateParksOffHighwayVehicleProgram

Twitter:
@UtahStateParks

Utah Division of Water Resources

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Executive Team

L to R: Barbara Allen, Todd Adams, Eric Millis, Jim Egbert, Bill Leeflang

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Online Resources

Water Conservation:
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Facebook:
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Twitter:
@UTAHSavesH20

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Executive Team

L to R: Jill Marriott, Kent Jones, Boyd Clayton, Marianne Burbidge, James Greer, Dave Marble, Jared Manning, John Mann

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Online Resources

Website
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Facebook
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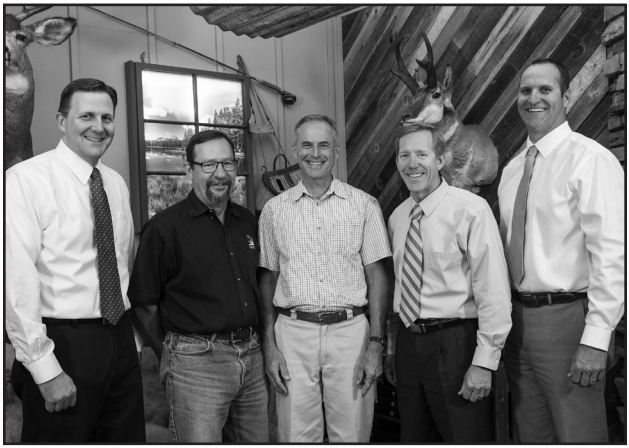
PO Box 146301
Salt Lake City, Utah 84114-6301
801-538-4700
801-533-4709 (fax)
wildlife.utah.gov

Executive Team



L to R: Mike Canning, Mike Fowlks, Rory Reynolds, Gregory Sheehan, Ben Nadolski (not pictured, Dean Mitchell and Jamie Martell)

Gregory Sheehan — Director
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Rory Reynolds — Assistant Director
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Ben Nadolski — Policy Analyst/Legislative Liaison
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Dean Mitchell — Conservation Outreach Section Chief
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Regional Offices

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Northeastern Region
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Vernal, UT 84078
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Northern Region
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Chris Wood, Regional Supervisor
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Southern Region
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Kevin Bunnell, Regional Supervisor
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Washington County Field Office
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Hurricane, UT 84737
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Regional Advisory Councils

Central Region
Richard Hansen, Chair
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Northeastern Region
Randy Dearth, Chair
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Northern Region
John Cavitt, Chair
jcavitt@weber.edu

Southeastern Region
Kevin Albrecht, Chair
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Southern Region
Dave Black, Chair
daveb@racivil.com

Online Resources

News and information
wildlife.utah.gov/wildlife-news.html

Calendar of events
wildlife.utah.gov/calendar

Fishing reports
wildlife.utah.gov/hotspots

Hunting maps
wildlife.utah.gov/maps

Utah hunting and fishing mobile app
wildlife.utah.gov/mobileapp

Turn in a Poacher
wildlife.utah.gov/report-a-poacher.html

STD of the Sea (mussel decontamination)
stdofthesea.com

Facebook
facebook.com/UtahDWR

Twitter
twitter.com/UtahDWR

Instagram
instagram.com/UtahDWR

YouTube
youtube.com/user/UDWR

Pinterest
pinterest.com/utahdwr

DWR blog
wildlife.utah.gov/blog

Utah Geological Survey

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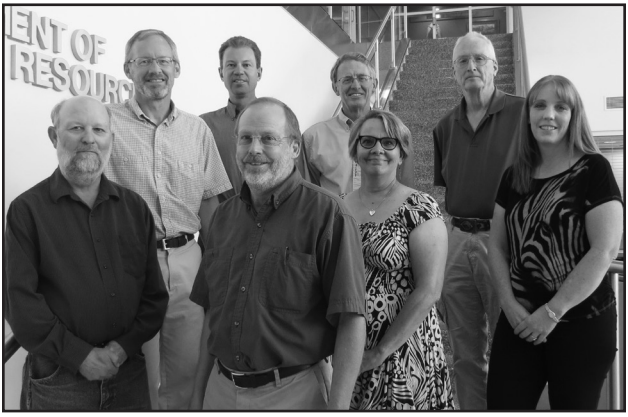
801-537-3300
801-537-3400 (fax)
geology.utah.gov

Executive Team



L to R back row: Michael Hylland, Steve Bowman, Rick Allis, Craig Morgan
L to R front row: Mike Lowe, Grant Willis, Pam Perri, Jodi Patterson

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Craig Morgan – Energy and Minerals Program Manager
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Regional Office

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Online Resources

Website
geology.utah.gov

Natural Resources Map & Bookstore
mapstore.utah.gov

Utah Geological Survey Library
geology.utah.gov/library/

Blog
geology.utah.gov/blog

Facebook
facebook.com/UTGeologicalSurvey

Twitter
twitter.com/utahgeological

LinkedIn
linkedin.com/company/utah-geological-survey

NATURAL RESOURCES

DEPARTMENT UPDATE

UTAH DNR 50th ANNIVERSARY

Executive Director's Commitment

The Utah Department of Natural Resources (DNR) celebrates our 50th anniversary as we welcome 2017. When DNR became a Department in 1967, Utah had one million residents. Deer hunting was at its historic peak. Water rights were obtained simply by applying for a right. Camping was usually a tent, or those newfangled camper shells on a truck. New mining claims were being filed statewide, and Utah's rich oil and gas resource was barely being discovered. It was a simpler time, full of promise and opportunity.

Today it's a more complex reality. Extraction permits for minerals or energy focus on responsible mining and drilling with an eye always on site restoration. Campers come with an RV that requires water, sewer and internet hookups and a place to park the trailer of ATVs being towed. Water rights are fully appropriated. Our water storage above and below ground is being stressed. It is more important now than ever to move forward with our adjudication process. Adjudication identifies active water rights that are valid. Valid water rights are exploding in value as our state doubles in population projected over the next 40 years. Efforts must be continued to encourage water conservation and water protection by restoring healthy watersheds. Responsible water development should also continue.

We are finding solutions to combat catastrophic wildfires, invasive species, and sensitive species listings. We support proactive watershed management, which benefits grazing, wildlife, water runoff and fire prevention. We know what to do. It just takes hard work and a continued investment of all those who have the vision to keep Utah resilient and healthy in the face of increased demands and harsh natural conditions.

We will win because of our dedicated employees, our many engaged partners, the support of elected officials and our loyal customers.

Michael R. Styler,
DNR Executive Director

Department Accomplishments

- During the past 10 years the Watershed Restoration Initiative has completed nearly 1,500 projects and 1.3 million acres of habitat. Over 260 projects, consisting of 270,000 acres, are currently being restored and rehabilitated statewide.

- Utah's sage-grouse are improving. Sage-grouse in Utah experienced a significant population increase in 2015. The increase held steady in 2016 following a colder, stormier winter. This success is attributed in part to improved habitat and implementation of the state's Sage-Grouse Management Plan.

- DNR broke ground on its fourth and final regional facility in Richfield. Construction will be completed in 2017. Regional facilities allow the department to centralize services, save money and improve functionality and collaboration between our divisions and partners.

- Division of Parks and Recreation continues to experience record visitation to its 43 parks, museums and heritage sites. During 2015, overall visitation increased by 15 percent over the previous year. Additionally, several parks added unique amenities including a zip line at Deer Creek, Aqua X Zone at Jordanelle and more campgrounds at Dead Horse Point.

- The Watershed Restoration Initiative was recognized for its special achievement in geographic information systems (GIS) by ESRI, a GIS mapping software solution. Additionally, WRI was also recognized with the 2016 Digital Government Achievement Award given by the Center for Digital Government.

Department Goals

- Customer Satisfaction: Develop and maintain a culture where positive relationships with DNR customers come first.

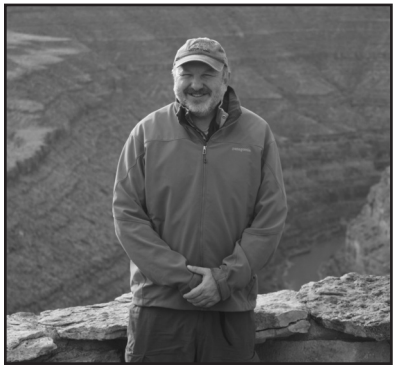
- Internal Collaboration: Increase efficiency and maximize assets and state natural resources as a department through improved cross-division collaboration.

- Identify and Develop Value: Enhance and leverage Utah's natural resources by incorporating cost effective and streamlined process as a way of maximizing taxpayer resources and decreasing the department reliance on general funds.

DNR Annual Employee Award Winners

Executive Director's Award

Tim Smith, Utah State Parks and Recreation



Tim's integrity, positive can-do attitude, work ethic and dedication are attributes that ultimately lead to success and can serve as a model for the entire department. Tim leads by example and is willing to support park staff in any capacity. His region's parks all show positive trends in reducing costs and increasing revenue, which continues to help the Division work closer toward self-sufficiency.

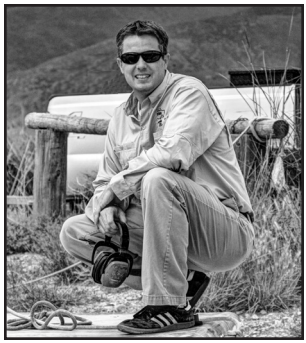
Employee of the Year

Tiffany Swaner, Utah State Parks and Recreation

Tiffany's hard work, team commitment and individual tenacity have been noticed by many and have significantly contributed to the growth and success of Utah State Parks. She has worked tirelessly to reduce the Division's insurance premiums by about $150,000 and is a go-to person for many individuals within the Division when they need something done and they need it done quickly.

Leadership Award

James Greer, Division of Water Rights (left)
Dan Jarvis, Division of Oil, Gas and Mining (right)



James' vision and leadership has helped the Division of Water Rights expand its tools to improve operations and public inquiries and has removed limitations that have hampered the Division's use of online mapping capabilities. As a manager, he engages and encourages the best from a diverse staff, and cultivates positive relationships department wide.

Dan, through his unique problem solving capabilities and desire to improve efficiencies, is using cutting edge technology and GIS resources to develop a risk-based inspection process for prioritizing oil and gas inspections. The use of this system allows the Division to better allocate resources and focus on areas of critical need.

Community Outreach

Eugene Swalberg, Utah State Parks and Recreation

Eugene continues to find unique ways and opportunities to engage media statewide and to successfully tell the Division's story. His efforts have resulted in more media coverage for the Division, heightened awareness for individual parks and events and improved relationships with state and county tourism partners and media personalities. His efforts have been instrumental in the Division's current growth.

Organizational Chart

Gary R. Herbert
Governor

Michael Styler
Executive Director

Darin Bird
Deputy Director

Divisions
Utah Geological Survey
Water Resources
Parks and Recreation

Administration
Community Outreach
Congressional Liaison
Legislative Team
Recovery Program
Public Information

Dennis Carver
Finance Director

Robyn Pearson
Deputy Director

Divisions
Forestry, Fire and State Lands
Oil, Gas and Mining
Water Rights
Wildlife Resources

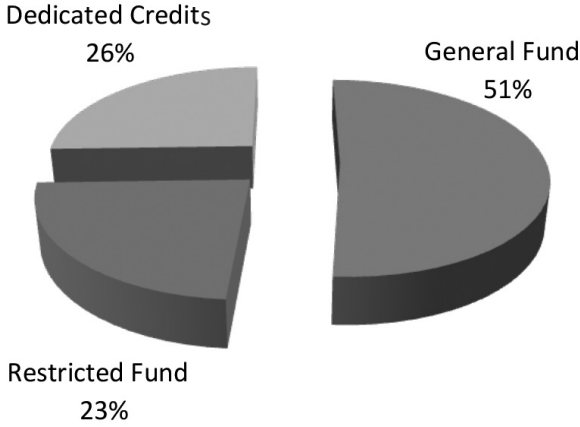
Administration
Human Resources
Technology Services

Sidney Groll
Law Enforcement
Director

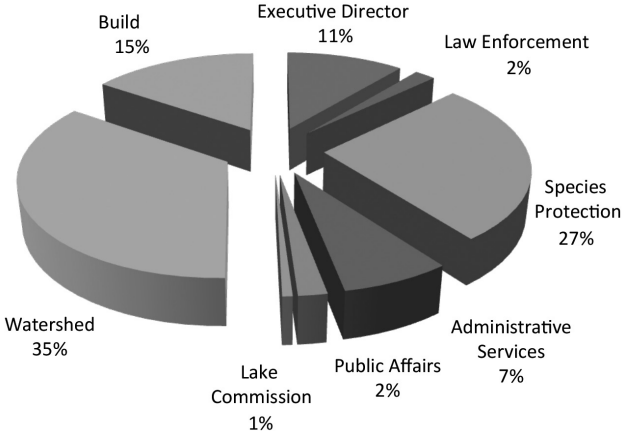
Financials

Fiscal Year Ending June 30, 2016
(Unaudited)

Revenue
$13,993,500



Expenses
$13,993,500



NATURAL RESOURCES

DIVISION UPDATES

UTAH DNR FORESTRY

UTAH DNR OIL, GAS & MINING

UTAH DNR STATE PARKS

UTAH DNR WATER RESOURCES

UTAH DNR WATER RIGHTS

UTAH DNR WILDLIFE

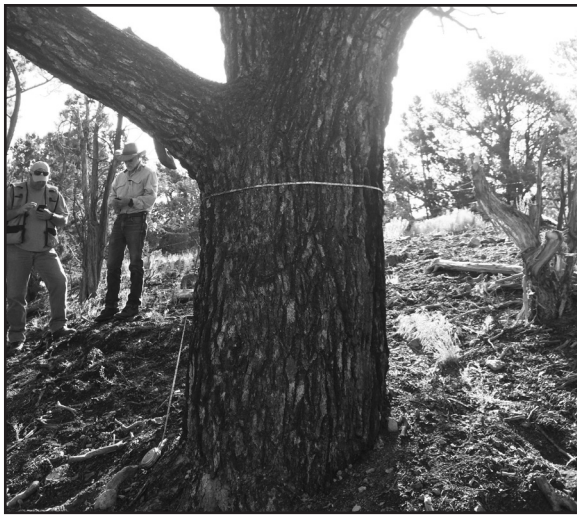
UTAH DNR GEOLOGICAL SURVEY

Utah Division of Forestry, Fire and State Lands (FFSL)

Mission Statement:

"The Division of Forestry, Fire and State Lands manages, sustains and strengthens Utah's forests, rangelands, sovereign lands and watersheds for its citizens and visitors."

Past division personnel from decades ago review maps associated with combating wildfire.



Foresters take measurments for a record-holding pinyon pine in 2015.

Director's Commitment

What an honor it is to write this year's message as we celebrate DNR's 50th anniversary! The Division of Forestry, Fire and State Lands (FFSL) has evolved over the years from the original *Forestry and Fire Control* to *State Lands and Forestry* to *Sovereign Lands and Forestry*. One thing, however, that has remained the same throughout the years and organizational changes is the dedication, determination and excellence of FFSL staff and the consistent contributions from each and every one of them towards making Utah a great place to live, work and play.

From our Forestry to Fire Management to Sovereign Lands programs, the Division's approximately 110 year-round, full-time employees--with more than twice that number when our seasonal firefighters are on staff--all work diligently to manage, conserve and restore lands across Utah. It is an ethic derived from 50 years of history and one we strive to ensure continues for the next 50 years and beyond.

I know I speak for previous Division directors and state foresters by stating that the employees of the Division are outstanding. Whether it be at the State Office in Salt Lake City, one of our six area offices—Cedar City, Heber, Logan, Moab, Richfield and Salt Lake—or the Lone Peak Conservation Center, our commitment to productivity and quality outcomes are leading to healthier, more resilient lands in Utah -- now and into the future.

Brian Cottam,
Division Director / State Forester

Division Accomplishments

Forestry

- Expanded membership of the Forest Stewardship Coordinating Committee to include the Society of American Foresters, an additional county commissioner/council member, a Resource Conservation and Development Council representative, and the Utah School and Institutional Trust Lands Administration.

- Hired a new statewide urban and community forestry program coordinator who has extensive community forestry experience here in Utah, so we can now even better assist cities and towns across the state with managing their urban trees and forests.

- Recognized by the Arbor Day Foundation for Utah, once again, having more new Tree City USA communities than any other state.

Wildfire

- The new Utah Wildfire Risk Assessment Portal (UWRAP) was launched in June 2016 after two and a half years of concerted development by FFSL and other partners. UWRAP provides Utah fire managers, policy makers, community leaders and even homeowners with an unprecedented wildfire risk assessment tool. The easily accessible, on-line portal provides the information for anyone to assess their risk of wildfire, along with outlining steps to take to reduce that risk and better protect themselves, their property and their community from the impacts of wildfire.

- Collaborative efforts over the past few years towards consensus wildland fire policy reform proved successful during the 2016 Legislative session. With unprecedented engagement and support from the Utah League of Cities and Towns, Utah Association of Counties, Utah State Fire Chiefs Association and other stakeholders, State Senator Evan Vickers' SB 122 and 212 passed the Legislature without a dissenting vote. The new laws direct a monumental shift in wildland fire management in Utah, creating a progressive fire management system that emphasizes proactive wildfire risk reduction at the local level every bit as much as safe and effective wildfire suppression on state and private lands.

- Efforts towards developing a state-of-the-art fire business management system (FBS) have entered their final phase. FFSL's new web-based FBS will streamline the billing, reporting and reconciling of wildland fire costs, and greatly improve the accuracy and efficiency of increasingly complex wildfire accounting and reporting.

Wildland Urban Interface Coordinator, Bri Binnebose presenting a firewise certification to hi-country estates community near Herriman.

State Lands

- The Sovereign Lands Program is finalizing the first-ever Jordan River Comprehensive Management Plan and beginning the planning process for the first-ever Bear River Comprehensive Management Plan.

- The Division treated more than 3,000 acres of invasive species, including Phragmites, on sovereign lands across the state.

- Collaboration with the Division of Wildlife Resources and the Division of Parks and Recreation resulted in the acquisition and development of a cutting-edge land management and lease database system. This innovative system will greatly improve staff efficiency as well as information accessibility for our partners and the public.

Forecast

Major policy and management issues for the Division in the coming year include:

- Continued improvement of watershed protection and forest health

- Increased management and control of invasive species and noxious weeds, like phragmites

- Impacts and improvements to Utah's urban and community trees and forests

- Wildland/urban interface growth and associated wildfire risk; forecasting for larger and more intense wildfires with erratic fire behavior and funding for wildfire risk reduction, suppression and rehab

- Implementing the state's new wildland fire management system with local government (SB 122) of developing opportunities to offset cost of fuels reduction and wildfire mitigation through biomass

- Increasing complexity and demands of sovereign lands management and litigation efforts, such as the pending Weber River lawsuit

- Decreasing water levels at Great Salt Lake and Utah Lake and resulting public impacts

As a Division, we look forward to working on and finding solutions to these challenges for the benefit of all Utahns.

Division Director Brian Cottam discusses a boundary settlement with a landowner on Utah Lake.

Key Services

Sovereign Lands

Administer private, public and commercial uses of state-owned lakebed and riverbed lands in accordance with the public trust doctrine and principles of multiple use and sustained yield.

Forest Stewardship

Assist private forest landowners in planning for and managing their resources. Services include developing forest stewardship plans with landowners, along with timber marking, windbreaks, water quality, wildlife habitat improvement and financial assistance to implement these management plans.

Urban and Community Forestry

Urban foresters provide technical and financial assistance to cities and towns for urban tree management and plantings, and promote the benefits of trees in all Utah communities.

Wildland Fire Management

Provides wildfire management and suppression on Utah's state and private lands. We also emphasize wildfire prevention, preparedness and mitigation efforts at the local level, including wildland fire suppression training and fire equipment grants for community and volunteer fire departments.

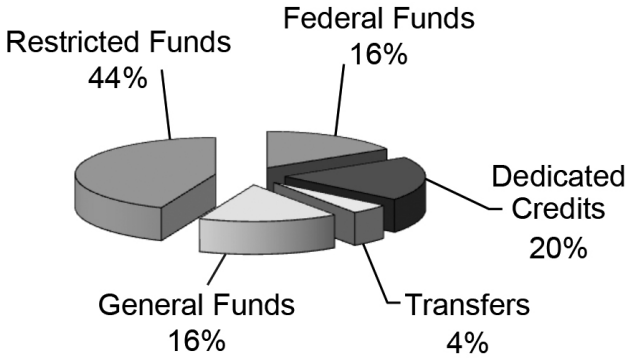
Lone Peak Conservation Center

Provide the state's wildland fire resources, including highly trained crews to both fight wildland fires as well as undertake natural resource projects, such as fuels reduction.

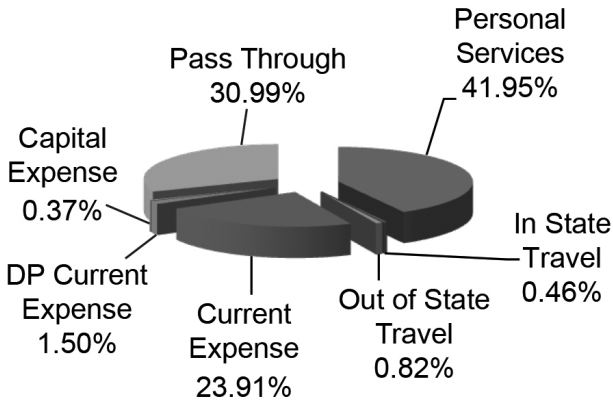
Financials

Fiscal Year Ending
June 30, 2016
(Unaudited)

Revenue
$28,275,905



Expenditures
$28,275,905



Utah Division of Oil, Gas and Mining (OGM)

Mission Statement:

"The Division of Oil, Gas and Mining regulates and ensures industry compliance and site restoration while facilitating oil, gas and mining activities."

Early drilling activity in the Uintah Basin

Hydraulic fracturing job in the Uintah Basin

Director's Commitment

The Division was originally established in 1955 as the Oil and Gas Conservation Commission to prevent the waste of oil and gas, encourage conservation and protect the correlative rights of oil and gas owners.

While demand, technology and pricing have changed dramatically over the past 50 years, our Division's role and commitment to regulating the industry to protect the public and Utah's environment has not. The abundant supply of oil, gas and minerals in Utah contribute significantly to the state's economic benefits and our quality of life.

Our Division is committed to the future of oil, gas and mining in Utah. As our population and demand for energy resources increase, we will continue to ensure responsible resource development, protect the public's safety, and preserve the environment while permitting access to affordable and reliable energy sources for future generations.

John R. Baza,
Director

Division Accomplishments

Coal

White Oak Mine: The White Oak mine and loadout was in operation for years prior to the passing of the Surface Mining Control and Reclamation Act of 1977 requiring companies to post bonds sufficient to cover the cost of reclamation.

In the early 1980's, a bond was posted and the site operated as an underground mine until 2001 when the two coal seams were surface mined. After mining, the operator and bonding company filed for bankruptcy. The Division was able to recover a fraction of the bonded amount through General Settlement Funds. In 2005, reclamation of the surface mine and loadout facilities was completed. Severe erosion and sinkholes were noted in the reclaimed area in 2007 requiring additional reclamation work.

A nine-year reclamation project began and was very successful due to ingenuity and the following partnerships: Utah Division of Water Quality, Spanish Fork Public Works and Price River Water Improvement District, Skyline CWMA, Utah Department of Agriculture and Food, Skyline Mine, Utah Division of Wildlife Resources, Snow College, Carbon

County Road Department, Utah Geological Survey and the Office of Surface Mining.

White Oak Mine site 2007

White Oak Mine site 2011

Oil and Gas

Orphan and Shut-In Wells: Oil and Gas program staff completed seven orphan well plugging and reclamation projects in the Price, Vernal and Crescent Junction areas. Because of delinquent operators, the Division claimed the bonds and assumed responsibility to oversee and pay for plugging operations in order to protect public safety and the environment.

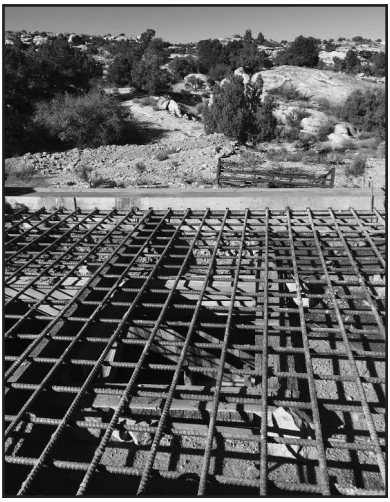
Staff also implemented an enforcement plan regarding shut-in wells. A shut-in well has not produced oil or gas in over one year and by rule must either begin producing again or the operator must show the wellbore is sound and request an extension.

In the past year, staff identified 360 shut-in wells and is working with operators to successfully plug 71, return 55 to production, convert four to injection, and has approved 77 extensions. This program is significant to both environmental and public safety because it ensures wells do not pose a risk to surface water, land or subsurface water.

Abandoned Mine Reclamation

Copper Ridge: Division staff, in partnership with the Bureau of Land Management (BLM), permanently closed 17 hazardous mine openings, including five shafts. Twelve uranium mine openings were located in close proximity to a popular mountain bike and jeep trail in the Klondike Bluffs area north of Moab. Five copper mines were located in the North Klondike Bluffs area near the Baby Steps Recreational Trail.

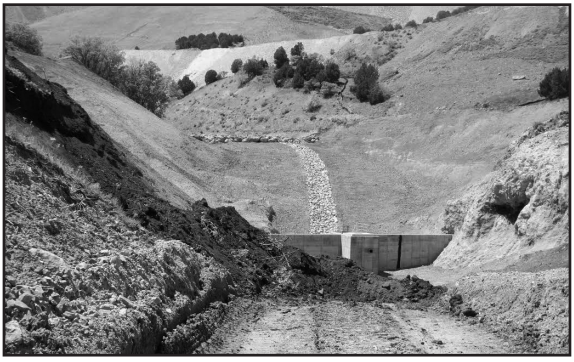
The mines were closed to protect the public from potential dangerous gases and unstable structures. People can be intrigued by mine openings and often want to explore inside.



Copper Ridge Reclamation Project

Minerals

Kennecott Utah Copper: Division staff has worked with and encouraged Kennecott Utah Copper to reduce the slope angle of their mine dumps in order to decrease erosion, establish vegetation and reduce storm water runoff. Groundwater cutoff walls, in conjunction with storm basins and newly reduced slope angles, were designed to mitigate environmental impacts, including the risk of off-site release of mine sediments.



Storm water collection system

Forecast

- The rapid decline of energy prices has proved challenging for Utah and the Division. Earlier this year no new oil wells were being drilled in the state- a first since the late 1960's. As of September 15, there are five rigs operating, compared with 17 in 2015 and 25 in 2014.

  In 2014, oil prices topped out at $100 a barrel. Last year, they bottomed at $30 and have gone as low as $20 this year. Oil currently is selling around $45 a barrel.

  The Division relies heavily on monies generated from a conservation tax, which is two-tenths of one percent (.002) of the value of oil and gas produced and saved, sold, or transported from the field in Utah where the oil or gas is produced. Due to the rapid decline of the value of oil and gas, the Division is facing budget shortages impacting the oil and gas program and administration. Voluntary out-of-state travel restrictions have been implemented and six vacant positions have not been filled.

- The oil, gas and mining industry is one of the largest contributors to Utah's economy. Revenue generated from operators helps fund critical needs like education and roads. It allows us to be more self-sustaining as a state and improves our overall quality of life.

- Our role of regulating the industry is in place to protect the public and Utah's lands. Division staff is committed to the future of the industry and will continue ensuring responsible resource development, protecting public safety, and preserving the environment.

Key Services

Oil and Gas

Permits, inspects and monitors oil and gas wells statewide. Staff maintains a database of information regarding ownership, production, disposition and status of oil and gas exploration, production wells and facilities.

Coal and Mineral Permitting

Issues permits to and monitors coal and mineral mining operations to ensure compliance with federal laws and regulations.

Abandoned Mine Reclamation

Identifies abandoned mines and permanently seals off access to reduce accidents and hidden hazards. Division staff also provides outreach programs to schools and communities educating the public about the dangers of abandoned mines.

Utah Board of Oil, Gas and Mining

L to R back row: Michael R. Brown, Ruland J. Gill, Gordon L. Moon, Chris D. Hansen; L to R front row: Board Secretary Julie Ann Carter, Board Attorney Mike Johnson, Susan S. Davis, Carl R. Kendell, Richard K. Borden

Ruland J. Gill, Jr.,
Chair
Oil and Gas, Bountiful

Richard K. Borden
Mining, Salt Lake City

Carl R. Kendell
Geology, Salt Lake City

Chris D. Hansen
Mining, Highland

Susan S. Davis
Oil and Gas, Bountiful

Michael R. Brown
Environmental, Kaysville

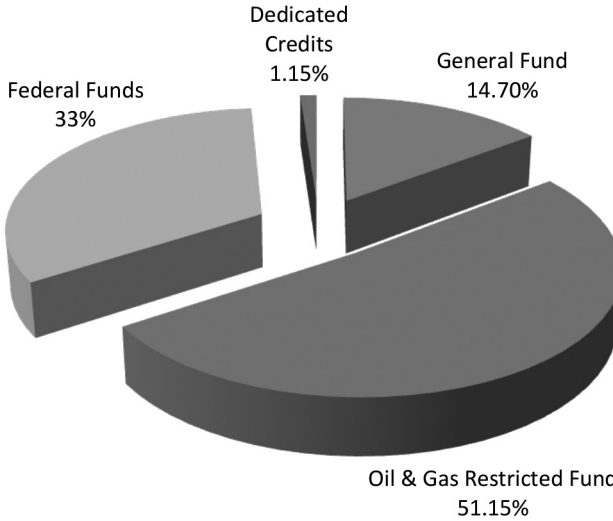
Gordon L. Moon
Royalty Interests, Duchesne

Julie Ann Carter
Board Secretary
801-538-5277

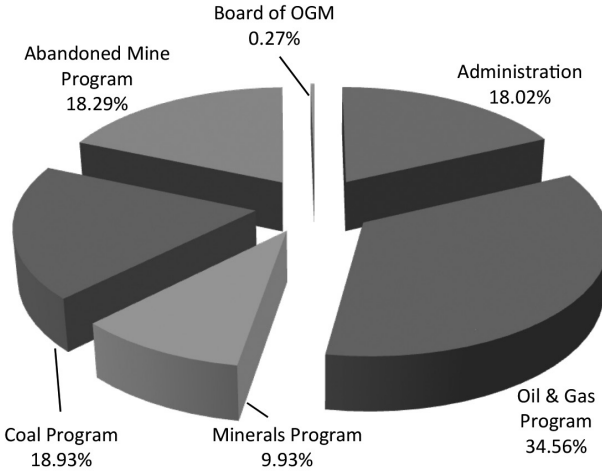
Financials

Fiscal Year Ending June 30, 2016
(Unaudited)

Revenue
$12,544,491



Expenditures
$9,224,238



Utah Division of Parks and Recreation (UPR)

Mission Statement:

"The Division of Parks and Recreation preserves and provides natural, cultural and recreational resources for the enjoyment, education and inspiration of this and future generations."

Goosnecks State Park is located in the southeast corner of Utah. The San Juan River meanders through the canyon providing majestic views.

Snow Canyon State Park features beautiful views and opportunities for mountain biking, climbing and hiking.

Director's Commitment

In 1957, the Utah Legislature instructed the Utah State Park and Recreation Commission to create and implement a long-range comprehensive plan for a state park and recreation system for the state. In doing so, the Commission identified goals of the new state park system as being 1) to enhance the health and welfare of current and future generations; 2) to expand and stabilize the Utah economy through tourism; and 3) to preserve the scenic, historic and archeological values that abound in the state. In total, 118 properties were identified by the commission as worthy of consideration of state park status.

Since that time, Utah's state park system has grown to include 43 state parks that provide Utah residents and visitors with all manner of opportunities to rest, relax, recreate and reconnect. In addition, the Division of Parks and Recreation works closely with Utah's counties and other agencies to provide world class off-highway vehicle and boating related recreation.

As we look forward to our next 60 years, the Division is committed to developing new parks, and creating new programs to meet the ever changing recreational needs of our citizens and our visitors. We are looking forward to this challenge.

Fred Hayes,
Director

Division Accomplishments

- Double digit increases in our overall visitation to Utah's state parks. More people are coming to state parks for their outdoor recreational experiences.

- Construction of a new campground at Dead Horse Point State Park near Moab. Lodging is at a premium in Utah's Canyon Country, and this new campground will help alleviate that shortfall.

- New activities for the enjoyment of our visitors can be found in virtually every park. Parks and Recreation opened various mountain bike trails, zip-lines, and even ventured into the world of dark sky observation this year, with many more adventures planned for the near future.

Forecast

As we look at the changing face of Utah, we are all well aware of the growth that is taking place all around us. People are relocating to Utah to be a part of the outstanding lifestyle that we enjoy here. Part of that amazing lifestyle is the access that we enjoy to world class outdoor recreation. As Utah's population continues to grow, and as visitors from all over the globe discover Utah as a vacation destination, the Division will be ready to accommodate these people.

- Envision Utah asks the question if life in Utah can get better with growth? The answer is yes, if we work together. The Division is part of the solution with access to outstanding outdoor recreation. We're developing new park areas and maintaining existing park facilities and infrastructure to accommodate ever increasing visitation.

- The Division has always been committed to outstanding customer service and this commitment will be at the forefront in the future.

- The Division remains committed to building the business of state parks by focusing on our core objectives of park management, boating administration, and off-highway vehicle management.

Utah features over 80,000 miles of ATV trails.

Key Services

Operations

Manages Utah's state park system, which includes operations, planning, and protection of 43 heritage, scenic and recreation parks.

Planning

Guides short and long-term site management to protect and interpret each park's natural and cultural resource base, ensure safe and enjoyable visitor experiences, provide for new visitor opportunities and develop and enhance facilities to meet visitor needs.

State Boating Program

Administers the State Boating Act on Utah waters, which includes safety, education, search and rescue, and enforcement.

Off-Highway Vehicles

Administers summer and winter off-highway vehicle programs, including education, trail maintenance, grant programs, user compliance, accident investigation, and search and rescue.

Utah's state trail program includes five major trail systems. These systems are well documented on the state parks website.

State Trails Program

Protects, interprets, develops and maintains recreational trail resources within state parks, and provides coordination, funding and technical assistance on statewide trail projects.

Grant Programs

Administers Land and Water Conservation Fund and non-motorized and motorized trails grant programs.

Utah State Parks manages 23 reservoir parks ideal for water sports, including water skiing, wave runners, paddle boards and fishing.

Division of Parks and Recreation Board

Jaren Davis, Chair
State-at-Large

Bob Murri, Vice Chair
Davis, Morgan, and Weber counties

Corey Cram
Beaver, Iron, and Washington counties

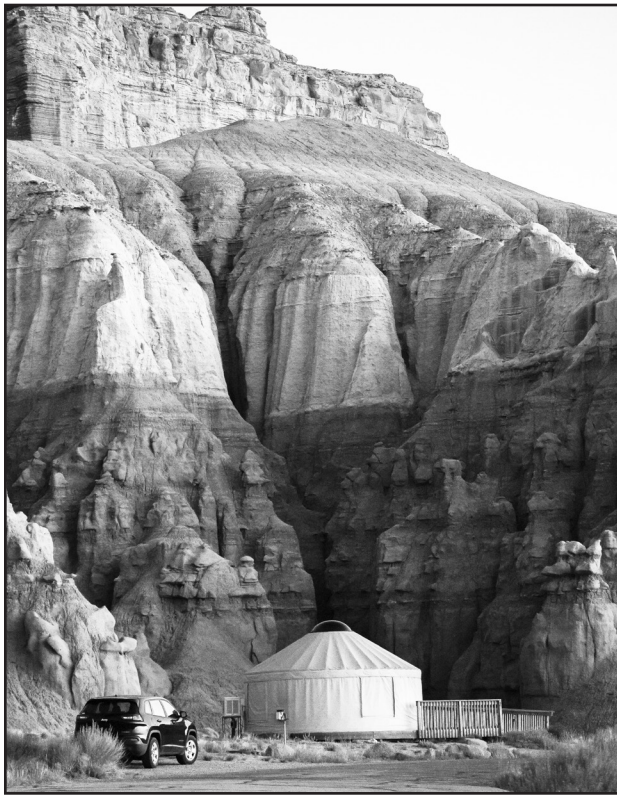
Ryan Starks
Utah, Juab, Wasatch, and Millard counties

Lesha Coltharp
Uintah, Daggett, and Duchesne counties

Claudia Jarret
State-at-Large

Kevin Christensen
Kane, Garfield, Piute, Sevier, Sanpete, and Wayne counties

Kimberly Schappert
Emery, Carbon, Grand, and San Juan counties

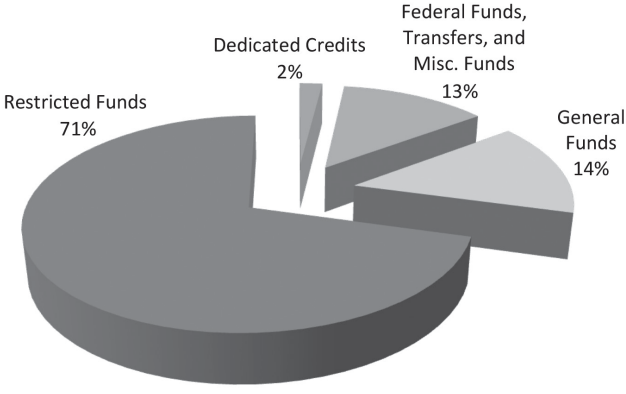


Goblin Valley State Parks camping accommodations features two yurts that are occupied almost year round.

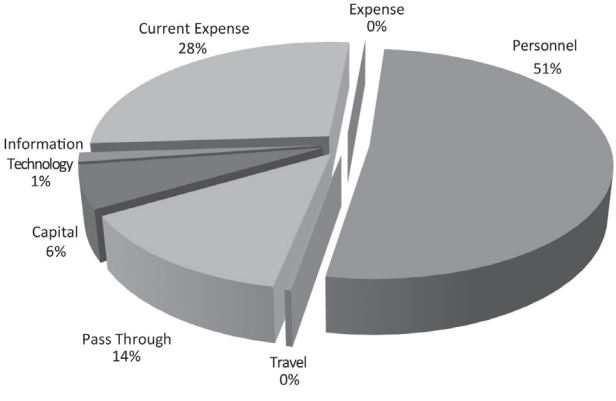
Financials

Fiscal Year Ending June 30, 2016
(Unaudited)

Revenue
$33,247,872



Expenditures
$34,909,875



Utah Division of Water Resources (DWRe)

Mission Statement

"The Division of Water Resources plans, conserves, develops and protects Utah's water resources."

In 1967 Utah was home to about one million people. The state has grown significantly since that time. With growth comes the need for increased water infrastructure.

St. George and Washington County canal construction effort.

Director's Commitment

In 1967, the year the Utah Legislature created the Department of Natural Resources, Utah had a statewide population of one million people. Today, we've eclipsed three million and are expected to double our population in the next 30 to 40 years. As in years past, Utah's water future is one of the single largest challenges today facing the state. It's vital that we find the appropriate balance to ensure Utah families have reliable water; that agriculture and businesses can be successful, and that the environment can flourish.

We are excited about the progress that has been made in water conservation. We are crunching the numbers and think Utahns may reach the Governor's 25 percent water conservation goal soon. Water conservation will not end once we reach this goal. On the contrary, we are developing Water Conservation 2.0. New goals will be set, both regionally and statewide, and we will be more dedicated than ever.

Utah's population is flourishing. People want to live here, their children want to live here and their grandchildren will likely want to call Utah home. That being said, new people don't bring water with them. Our Division is dedicated to ensuring existing resources are used more efficiently, innovation is considered, and needed projects are completed.

All Utahns can be part of the solution. We encourage parents to sit down with their children to talk about responsible water use. We encourage businesses and farmers to implement practices to become more water efficient. These challenges impact all of us, and we should all be part of the solution.

Eric Millis,
Director

Division Accomplishments

- We have implemented several new water conservation campaigns, including H2Oath: Utah's Water Wise Pledge. We are using social media, events and other mediums to promote conservation and we remain committed to reaching the Governor's 25 percent water conservation goal, and look forward to what comes after. We call it Water Conservation 2.0.

- We have worked with other state agencies and DNR divisions to address challenges presented in the 2015 Legislative Audit. We are making great progress that will improve data gathering.
- The Division is actively working to increase transparency with private interest groups and the general public. Board of Water Resources meetings are now streamed live on the DNR YouTube Channel.
- The license application for the Lake Powell Pipeline Project has been submitted. We anticipate that the Federal Energy Regulatory Commission will begin the formal NEPA process in the coming months. While very early in the process, the Bear River Development Feasibility Study is resulting in helpful data gathering and compilation. We have also published reports on the subjects of the feasibility of graywater use, water use calculation comparisons, and Weber and Bear River Basin Land Use Inventories.
- The Board of Water Resources loaned $17.4 million for 12 water projects, all of which improved efficiency for agricultural or municipal systems. The Board also granted $5.6 million for five dam safety projects.

H2OATH

UTAH'S WATER WISE PLEDGE

water.utah.gov/H2Oath

Forecast

- The number one long-term challenge facing the Division, and Utah water in general, is the unprecedented growth Utah is expected to experience. Our current population is projected to double, resulting in a population of nearly six million people by 2060.
- We are currently in a 16-year drought. The combination of an increasing population with less snowpack and precipitation is a significant challenge.
- Efficiencies alone will not be enough to conserve significantly beyond the 25 percent goal. Changes in local policies, landscapes and technology will be vital to progress.
- Secondary water metering and water conservation pricing would be very helpful to water conservation efforts. Resources are needed to cover the cost of secondary water meter installations.
- There will be an increase in multi-state interactions involving the Bear and Colorado rivers.

Many people want to know how they can help conserve water. H2Oath provides small actionable items families and businesses can do that make a difference.

Key Services

Water Development and Conservation Funds

The Board of Water Resources administers three state water development and conservation funds.

Technical Assistance

The Division (DWRe) provides technical water development and planning assistance to Utah water users.

Water Planning

DWRe maintains the State Water Plan, which describes Utah's current and long-term water related needs, inventories municipal and industrial water use and water-related land use, and performs water use studies.

Computer Applications

DWRe develops geographic information system applications, water demand/supply, and hydrologic models.

Interstate Streams

The Director is Utah's interstate streams commissioner, helping defend and protect Utah's right to develop and use its entitlements in the Colorado, Bear, and Columbia rivers.

Cloud Seeding

DWRe promotes cloud seeding to augment the natural precipitation and enhance snow pack.

Water Education/Conservation

DWRe is working with local water agencies, individuals, and professional groups to develop and implement water conservation programs to reduce per capita water use in Utah by at least 25 percent before 2025. We have developed and distributed water education instructional materials to teachers and students in Utah's public schools.

L to R back row: Charles Holmgren, H. Blaine Ipson, David Humphreys, Gawain Snow; L to R front row: J. "Stew" Paulick, Norman L. Johnson, James A. Lemmon, Steve Farrell

Board of Water Resources

N. Gawain Snow, Chair
Daggett, Duchesne, Uintah counties

James A. Lemmon, Vice Chair
Beaver, Garfield, Iron, Washington, Kane counties

Norman L. Johnson
Carbon, Emery, Grand, San Juan counties

Charles Holmgren
Box Elder, Cache, Rich counties

Steve Farrell
Utah, Juab, Wasatch counties

H. Blaine Ipson
Millard, Sanpete, Sevier, Piute, Wayne counties

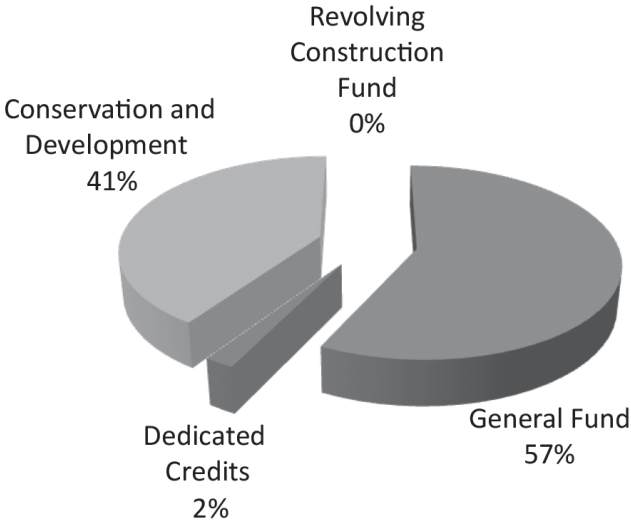
J. Stewart Paulick
Salt Lake, Tooele counties

David S. Humphreys
Weber, Davis, Morgan, Summit counties

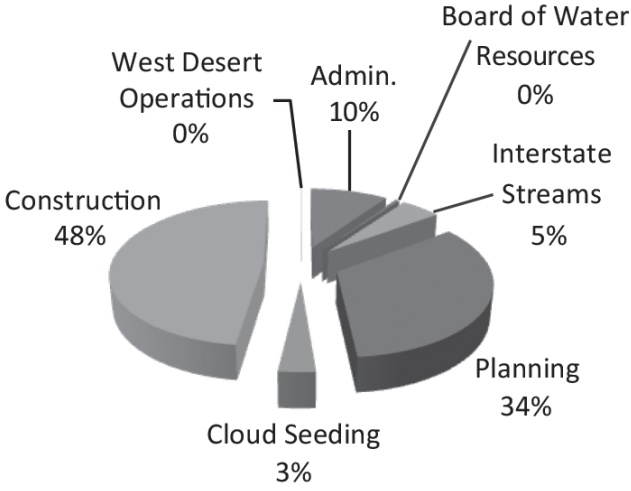
Financials

Fiscal Year Ending
June 30, 2016
(Unaudited)

Revenue
$7,219,900



Expenditures
$7,219,900



Utah Division of Water Rights (DWRi)

Mission Statement

"The Division of Water Rights promotes order and certainty in administering the beneficial use of Utah's water."

Stream and canal inspection efforts. Back in the 1960s, water rights were easily accessible and could be obtained by applying.

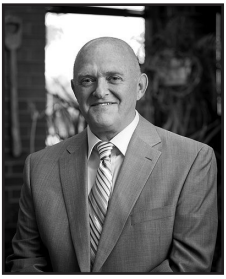
An inspection at a residential home with the down hole camera to determine if the well was usable or needed renovation. Photo by Kelly Horne

Director's Commitment

The State Engineer's Office (Division of Water Rights) is approaching its 120th anniversary. The first State Engineer was appointed in 1897 to have general administrative supervision of the waters of the state and the measurement, appropriation, apportionment, and distribution of those waters.

Over the last 50 years, the State Engineer's Office has coordinated efforts with other natural resources agencies to promote order and certainty in the administration of water regulation to promote its use and provide protection for existing water rights. Programs have been developed to expedite application processing, establish commissioner regulation on many river systems, provide for the inspection and regulation of the Dam Safety and Stream Alteration programs, ensure compliance with the geothermal and well drilling regulations, effectively run an enforcement program to protect the rights of others, complete technical studies for surface and groundwater regulation, and provide training to promote understanding of Utah's water laws.

The Division continues to work with the Executive Water Task Force, the Water Development Commission, and others to examine and refine Utah's water laws and regulations. Over the past 50 years, hundreds of changes have been made to the water right statutes as issues arise to help promote the use of water in the state, provide better protection for existing users, and formulate plans to meet the ever-increasing demands placed on our limited water resources.



Kent Jones,
State Engineer/Division Director

Division Accomplishments

- Legislative session passed 10 water bills with significant influence on future course.
- Special Master appointed for Utah Lake and Jordan River (ULJR) Adjudication.
- Completed second year of a three-year program on canals and on target to complete.
- Implemented Adjudication legislative changes intended to improve water user participation and focus resources on active claims, which will streamline adjudication.

- Distribute model for Sevier River and Weber River developed and now undergoing live testing. ULJR River and Provo River models under development.

- State Engineer decision on Green River Nuclear Power Plant successfully defended in Appeals Court.

- Study of Goshen Valley and Cedar City Groundwater initiated. Public meetings in progress to adopt groundwater management plan.

- Rule changes to update Title Rules advertised.

- Process initiated to develop contract for Flaming Gorge Water tied to assigned Flaming Gorge water right.

Lower Calf Creek Falls, East of Escalante, Utah. Photo by Will Atkin

Action on applications in FY2016 was as follows:

Filed	Action	Type
293	287	Applications to Appropriate
862	941	Change Applications
95	103	Exchange Applications
275	88	Nonuse Applications
964	885	Extension Requests
681	600	Certificates of Beneficial Use
231	213	Stream Alterations
2376	2446	Reports of Conveyance
283	283	Dam Safety Inspections
42	19	Enforcement Referrals
6102	5865	TOTALS

Key Services

Water Right Applications

Process water right applications and maintain permanent records for all water rights in state. Assist the public to access water right information and complete application forms required by the agency.

Distribution and Measurement of Water

Oversee water commissioners and provide support where the agency is directly involved in the daily distribution of water among water right holders.

Adjudication

Present to the district court a proposed determination of water rights within hydrologic areas of the state where such investigations have been ordered by the court and obtain an adjudication order decreeing those water rights.

Dam Safety

Physically inspect and monitor operation of public and private dams, approve new dam construction, consult and approve dam upgrades and intervene in emergencies. Inspections and monitoring efforts are based on each dam's hazard rating for potential loss of life and property.

Stream Channel Alterations

Process permits to alter the banks or beds of natural streams under terms of the Utah Code and a general permit from the US Army Corps of Engineers.

Geothermal

Process permits to use geothermal resources in the state. Inspect facilities and monitor pressure tests.

Well Drilling Regulations and Licensing

Oversee licensing and regulation of water well drillers in the state.

Studies and Technical Services

Collect water resources data for surface, groundwater and use of water throughout the state. Perform studies to determine water availability and management alternatives. Support the integration of data automation technology in operations of the agency.

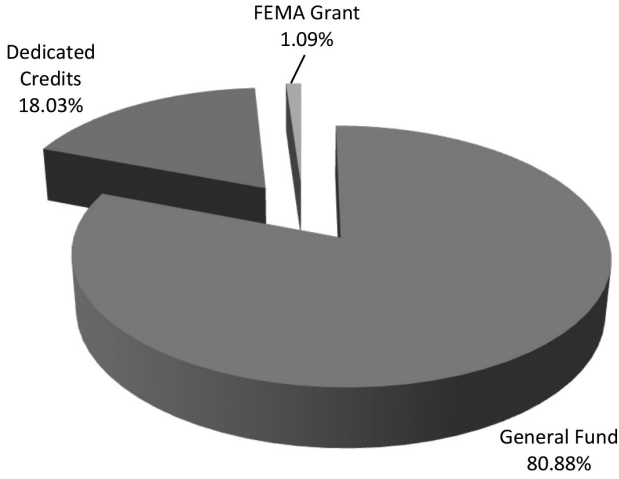
Enforcement

Administer the Division's water rights, dam safety and stream alteration enforcement program as authorized by statute and administrative rule. Investigate violations of Utah water right law and initiate actions which encourage compliance.

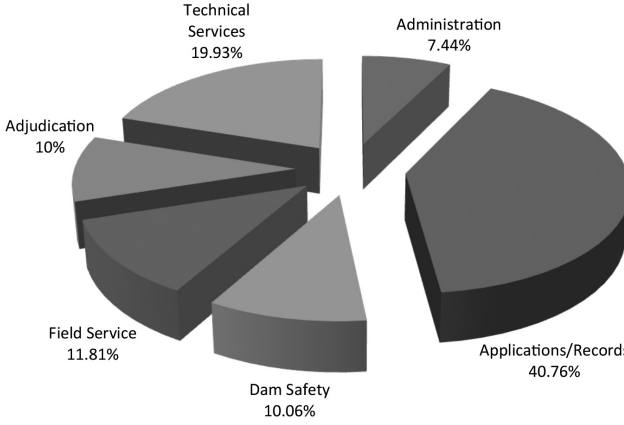
Financials

Fiscal Year Ending June 30, 2016
(Unaudited)

Revenue
$10,473,000



Expenditures
$10,303,000



Utah Division of Wildlife Resources (DWR)

Mission Statement

"The Division of Wildlife Resources serves the people of Utah as trustee and guardian of the state's wildlife."

In the 1960s, the Division raised chukar partridge chicks at a game farm. This young visitor is examining the newly hatched chicks.

Today, the Division offers a day-old pheasant chick program. Utah families help raise pheasants and release them on wildlife management areas. Photo: Phil Douglass

Director's Commitment

It's an exciting time for wildlife management in Utah. Our wildlife and fish continue to prosper, even in the midst of population growth and increasing demands on our water and open spaces throughout the state.

This year also marks a notable milestone in the history of our agency. The Division of Wildlife Resources (DWR) was renamed and included as a division under the newly created Utah Department of Natural Resources 50 years ago. Much of the recovery and population growth of our fish and wildlife species has occurred since the Department's creation in 1967.

Back in 1967, most of the fish stocked in our lakes and streams were trout species. Today, we manage more than double the number of fish species and continue to stock more than one million pounds of fish each year.

For families and anglers who want to fish close to home, we have created more than 50 community fisheries that offer great experiences and opportunities. Our success is evident in the growth of fishing license sales. The number of licensed anglers has increased from 270,000 to 450,000 annually.

Since 1967, the brine shrimp industry has emerged at the Great Salt Lake. Companies now harvest more than 20 million pounds of brine shrimp cysts annually. The cysts are then exported and have an approximate retail value of $300 million.

Elk populations have increased throughout the state, and so have the number of elk-hunting permits. During the past 50 years, we've gone from 2,300 permits to just over 70,000. Bison hunting permits have increased from 20 to 135 during that same timeframe and pronghorn permits have gone from 109 to 300 annually.

Some species benefit both hunters and wildlife watchers. In 1967, six mountain goats were released in the rugged mountains just east of Salt Lake City. That population has now grown to more than 1,900 mountain goats throughout the state. Wildlife-viewing events draw in more than 3,000 watchers each year, and approximately 200 hunting permits are issued to ensure proper management of the herds.

Wild turkeys were rare 50 years ago, and no spring hunting permits were issued. In 2016, more than 8,500 permits were sold for spring hunts, and most of those were purchased on an unlimited over-the-counter basis.

We've added approximately 20 conservation officers over the past 50 years, but we issue about the same number of citations as we did in those early days. By focusing on educating our public, we've seen higher compliance rates and enhanced respect for wildlife laws.

Technology has advanced over the past 50 years. We now have GPS collars, chips and sensors on big game, birds, amphibians and fish. Those technological tools allow us to better understand and manage a variety of species.

In 1967, roughly 2,500 students used their families' televisions to complete hunter education classes in their homes. Today, around 10,000 new hunters annually complete those classes via the Internet. Hunters and anglers can now store their licenses and permits on our smartphone app and enjoy having wildlife information at their fingertips.

In 1967, we restored 6,200 acres of wildlife habitat. Now, we rehabilitate more than 100,000 acres per year with the help of many partners, including sportsmen and federal agencies.

The next 50 years at DWR should be just as successful as the past 50 — if not more so — and we can't wait to be part of the action.

Gregory Sheehan,
Division Director

Division Accomplishments

Some of our key accomplishments over the past year include:

- Continuing to manage a rebound in Utah's deer herds. Populations are the highest they've been in decades.
- Finalizing the Utah Wildlife Action Plan, which helps prioritize conservation efforts and prevent listings under the Endangered Species Act.
- Taking aggressive, essential steps to prevent quagga mussels from spreading beyond Lake Powell.
- Meeting anglers' requests for increased warm water fish production. We spawned more than 10 million walleye that were stocked in Utah lakes and reservoirs.
- Working with our partners in Utah's Watershed Restoration Initiative to restore wildlife habitat. Since 2006, the initiative has rehabilitated and restored more than 1.2 million acres.
- Launching the Utah Cutthroat Slam with Trout Unlimited. Anglers can catch Utah's four native trout and contribute to cutthroat conservation at the same time.

Habitat restoration is a top priority for Utah wildlife managers. After removing unproductive vegetation, range crews reseed areas with native plants that benefit wildlife.

Forecast

During the next fiscal year, we will continue proactively address the following issues:

- Actively manage, sustain and enhance Utah's fish and wildlife populations for the benefit of all Utahns.
- Use the newly finalized Wildlife Action Plan to guide conservation efforts and prevent listings under the Endangered Species Act.
- Reseed areas burned by wildfires and continue to restore wildlife habitat and watersheds.
- Continue the battle against invasive plant and animal species, including phragmites and quagga mussels.
- Strengthen partnerships with individuals, organizations or agencies that commit time or other resources to benefit wildlife or expand recreational opportunity throughout the state.

Because of successful nationwide recovery efforts, the peregrine falcon was removed from the Endangered Species List in 1999. Utah is focused on conserving species and ensuring that federal listings remain unnecessary. Photo: Tom Becker

The Bonneville cutthroat trout is Utah's state fish. It is also one of the fish you can catch if you participate in the new Utah Cutthroat Slam. Launched in partnership with Trout Unlimited, the slam is a fun, new program that helps fund native trout conservation in Utah. For details, visit www.utahcutthroatslam.org. Photo: Ben Nadolski

Key Services

Certificates of Registration

Issues licenses and certificates of registration to falconers, private pond owners and people who want to own exotic pets.

Community Fisheries Program

Partners with local governments to provide urban and community fishing opportunities for Utah youth and families.

Dedicated Hunter Program

Provides additional hunting opportunities for Utah deer hunters who perform volunteer service benefiting wildlife.

Fisheries Experiment Station

Monitors Utah's wild fish populations and the Division's fish hatcheries. Provides hatcheries with disease assessment and treatments.

Utah's mule deer populations are at their highest levels since the early 1990s. Biologists estimate the total number of deer in the state at more than 384,000 animals. Photo: Scott Root

Great Basin Research Center and Seed Warehouse

Conducts rangeland-rehabilitation research. Also stores, mixes and distributes seed for habitat-restoration projects.

Hatcheries

Owns and operates Utah's state fish hatcheries.

Hunter Education

Trains individuals in the safe handling of firearms. The Lee Kay Center for Hunter Education (801-972-1326) and the Cache Valley Hunter Education Center (435-753-4600) provide Hunter Education courses and public shooting ranges.

Licenses

Sells hunting and fishing licenses.

Natural Heritage Program

Identifies and monitors sensitive plant and animal species, and maintains a database for making natural resource decisions.

Publications

Creates publications that provide news and information to constituents. Also publishes guidebooks that summarize hunting, fishing and trapping regulations.

Website (*wildlife.utah.gov*)

Provides many online services and tools. Customers can buy hunting and fishing licenses, and use Web tools to obtain a wealth of information about Utah's wildlife.

Wildlife Recreation Program

Offers the public many opportunities for hands-on experiences with different forms of wildlife-related recreation, including hunting, fishing, wildlife watching, shooting and more.

Utah's mountain goats are thriving, which is why wildlife managers have recently transplanted them to new ranges within Utah. Photo: Mike Christensen

Utah Wildlife Board

Board members L to R: Michael King, Donnie Hunter, Gregory Sheehan, John Bair, Kirk Woodward, Calvin Crandall, Byron Bateman and Steve Dalton

John Bair, Chair
Central Utah
bairauctions@yahoo.com, 801-472-0552

Kirk Woodward, Vice Chair
Northeastern Utah
kirk.woodward@yahoo.com, 435-790-4012

Byron Bateman
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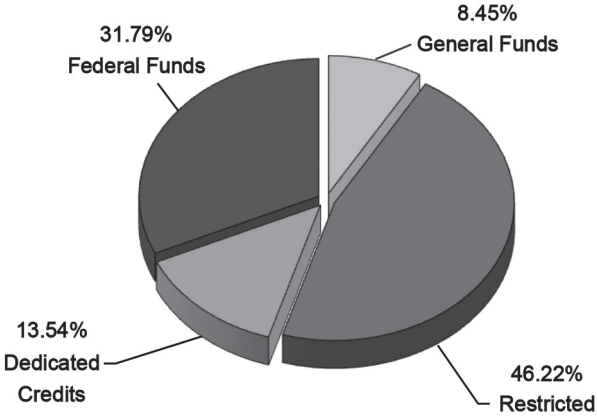
Michael King
Southeastern Utah
mike.king@usu.edu, 435-650-0471

Gregory Sheehan,
Executive Secretary

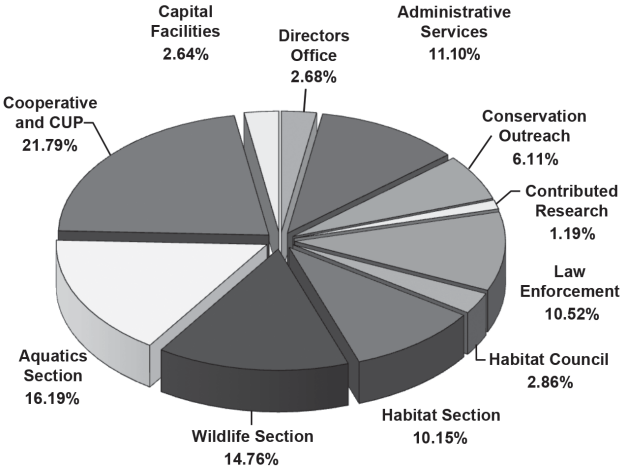
Financials

Fiscal Year Ending June 30, 2016
(Unaudited)

Revenue
$85,173,934



Expenditures
$85,173,934



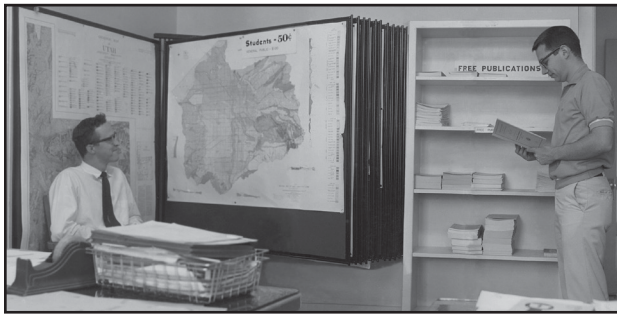
Habitat Council Spending by Program (Category)

		%
Waterfowl	$157,778	6.49%
Upland Game	$342,121	14.07%
Big Game	$732,010	30.10%
Non-Game Terrestrial	$18,917	0.78%
Sportfish	$1,168,325	48.04%
Non-Game Fish	$12,629	0.52%
	$2,431,780	100.00%

Utah Geological Survey (UGS)

Mission Statement:

"The Utah Geological Survey provides timely scientific information about Utah's geologic environment, resources and hazards."



In this 1964 photograph, UGS mapping geologist Hellmut Doelling (at left) provides assistance to a customer in the UGS "sales office," precursor to today's Department of Natural Resources Map and Bookstore.

Airport East paleoseismic trench on the Taylorsville fault, West Valley fault zone, Salt Lake County, Utah. Photo credit: Adam Hiscock

Director's Commitment

As the Department celebrates its 50th anniversary, the Utah Geological Survey (UGS) celebrates its 67th year. At the time DNR was created the Utah Geological and Mineralogical Survey was part of the University of Utah School of Mines and Mineral Industries. Since then, much of our core mission has remained the same, but as Utah's population has tripled, more accurate, more detailed, and more diverse geological information has become increasingly important to guide prudent growth, and to protect Utah citizens, resources, natural beauty, and quality of life.

Significant topics then, as now, were the importance of geologic commodities to Utah's development, awareness of geologic hazards when planning for growth, and whether the state would be a better manager than the federal government of Utah's resources.

Today, we increasingly focus on Utah's groundwater resources, providing more and better geologic hazard information in formats useful for cities and counties to manage and protect growth in their areas, fossil resources (mainly dinosaur fossils that draw so many tourists), and increasingly important alternative energy resources such as oil shale, tar sands, and geothermal resources.

Rick Allis,
State Geologist/Director

Division Accomplishments

- Published a major study on the Paleozoic shale-gas resources of the Colorado Plateau and eastern Great Basin (UGS Bulletin 136).
- Established Utah's portion of the National Ground-Water Monitoring Network (NGWMN) and linked Utah's data to the NGWMN data portal (http://cida.usgs.gov/ngwmn/index.jsp).
- Released a new detailed geologic map of the Ogden 30' x 60' quadrangle (UGS Open-File Report 653DM), providing an essential baseline geologic foundation for ongoing geologic-hazard and water-development issues that impact growth in Ogden Valley and other areas.
- Published an earthquake forecast for the greater Wasatch Front region, the first regional forecast for the United States outside of California (UGS Miscellaneous Publication 16-3).

- Developed a digital publications database that provides on-line access to the repository of over 2,300 UGS publications (http://geology.utah.gov/map-pub/publications/).

Utah Geological Survey staff measure, describe, and sample rock layers as part of a study on Utah's shale-gas resources and exploration opportunities.

Forecast

- Rebuild non-lapsing Mineral Lease carry-forward to more than $1 million so that future short-term fluctuations in revenue can be covered without reductions in staffing.

- Review mission priorities in relation to the recent reductions in staff expertise and attempt to fill critical gaps as retirements and funding levels provide opportunities.

- Develop and publish uniform comprehensive geologic hazard map sets that will aid Utah local governments and others in managing growth while protecting their citizens.

- Improve understanding of Utah's geothermal resources and help develop innovative technologies and processes to capitalize on Utah's abundant geothermal energy potential.

- Assist research into the ability of Utah's deep geologic reservoirs to safely sequester waste fluids from the extractive industries.

- Clarify Utah's groundwater potential and assist the State Engineer to sustainably develop these resources.

Key Services

Utah Core Research Center (UCRC)

The UCRC serves as a repository and laboratory for Utah well cuttings and core, providing petroleum, coal, and geologic samples for industry and academic research as well as public education.

Geologic-Hazard Assistance

The Geologic Hazards Program assists governments in responding to geologic-hazard emergencies, reviews geologic-hazard reports for school districts, investigates geologic hazards, and prepares geologic-hazard maps for use by local governments, consultants, and the public.

Natural Resources Map and Bookstore

In addition to offering a selection of publications and maps on Utah geology and other natural resource topics, the bookstore is the only retail outlet that maintains an inventory of topographic maps for the entire state of Utah.

Water Resource/Environmental Evaluations

The Groundwater Section evaluates groundwater resources and protects drinking-water supplies by investigating the environmental impacts of waste disposal, storage, and treatment facilities for local, state, and federal agencies.

Public Inquiry

The Geologic Information and Outreach Program provides information on Utah geology and geologic issues to governments, industry, educators, and the general public.

Energy and Mineral Evaluations

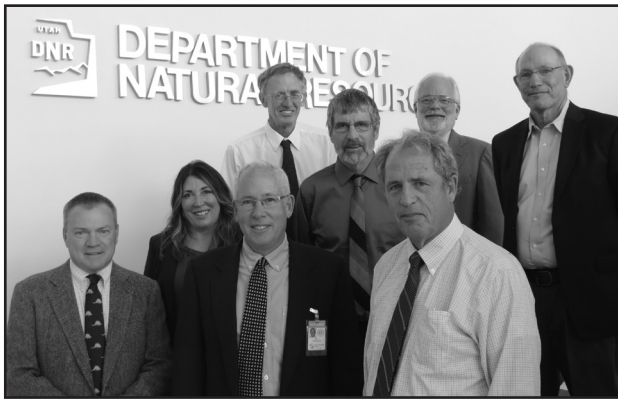
Geologists specializing in Utah's various energy resources and minerals investigate and provide energy and mineral resource information on county, state, or federal lands to local, state, and federal agencies.

Paleontological Services

The Paleontology Section evaluates paleontological sites, excavates critical fossils in danger of destruction, and issues paleontological excavation permits.

Geologists from across the globe study oil and gas well core at the UGS's Utah Core Research Center.

Board of the Utah Geological Survey



Back row L to R: Elissa Richards, UGS Director Rick Allis, Pete Kilbourne, Marc Eckels, Sam Quigley; front row L to R: Ken Fleck, Bill Loughlin, Tom Tripp (not pictured, David Ure)

Marc Eckels, Chair
Minerals (Hydrocarbons)

Ken Fleck
Minerals (Coal)

Pete Kilbourne
Scientific Interests

Bill Loughlin
Engineering Geology

Sam Quigley
Minerals (Industrial)

Elissa Richards
Public-at-large

Tom Tripp
Minerals (Metals)

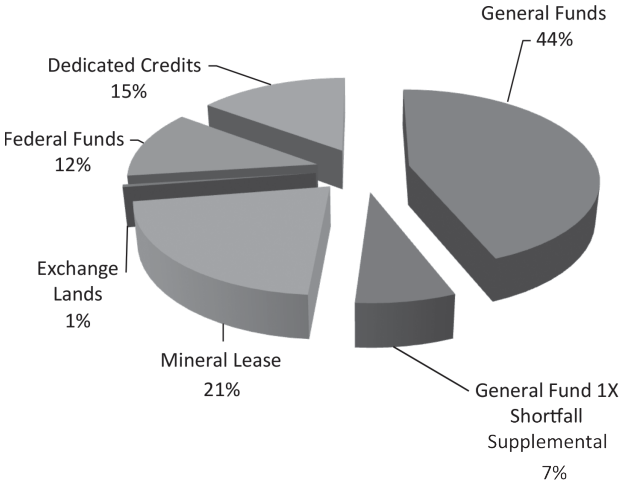
David Ure
Ex-officio

UGS director, Rick Allis, teaches students about various properties of rocks and minerals during Earth Science Week.

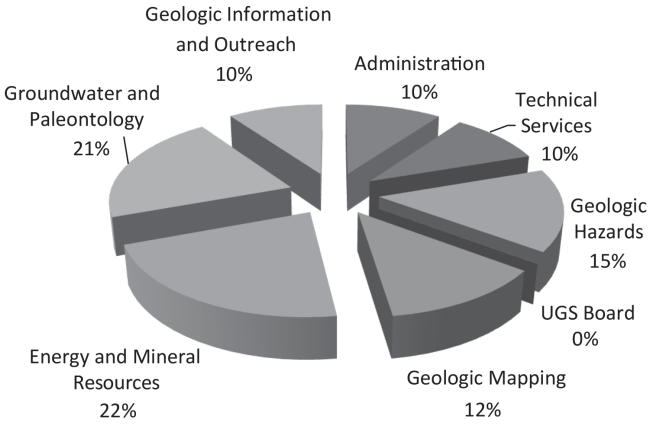
Financials

Fiscal Year Ending June 30, 2016
(Unaudited)

Revenue
$7,496,371



Expenditures
$7,496,371



Utah Department of Natural Resources
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Salt Lake City, Utah 84114-5610

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