

2016

Utah Department of Natural Resources

Annual Report

*Active Management Works:
We're Committed to Enhancing
Utah's Resources*



Division fisheries personnel use electrofishing equipment to collect Colorado River cutthroat trout on the north slope of the Uintas.

Photo: Natalie Boren

2016 Directory of Services and
Annual Report for 2014-2015



STATE PARKS



WILDLIFE



FORESTRY



WATER RIGHTS



OIL, GAS & MINING



GEOLOGICAL SURVEY



WATER RESOURCES

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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 Anfinson, Mike Styler, Nathan Schwebach

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

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

Robyn Pearson — Deputy Director
801-538-7201 robynpearson@utah.gov

Nathan Schwebach — Communications Director/PIO
801-538-7303 nathanschwebach@utah.gov

Kaelyn Anfinson — Executive Assistant
801-538-7201 kaelynanfinson@utah.gov

Administrative Team



From L to R back row: Dennis Carver, Bill Boudreau, Sid Groll, Wade Kloos. From 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
801-538-7307 denniscarver@utah.gov

Sid Groll — Law Enforcement Director
801-538-4882 sidgroll@utah.gov

Henry Maddux — Species Recovery Program Director
801-538-7420 henrymaddux@utah.gov

Bill Boudreaux — Information Technology
801-538-7244 bboudreau@utah.gov

Alan Clark — Watershed Director
801-538-4876 alangclark@utah.gov

Wade Kloos — GIS Director
801-538-7264 wkloos@utah.gov

Online Resources

Employment:
hr.utah.gov/adm/admhr.htm

Twitter:
[@UtahDNR](https://twitter.com/UtahDNR)

Utah Division of Forestry, Fire & 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: Jason Curry, Whitney Norton, Brian Cottam, Tracy Dunford, Roger Lewis

Brian Cottam — State Forester/Director
801-538-5389 briancottam@utah.gov

Tracy Dunford — Deputy Director
801-538-5504 tracydunford@utah.gov

Roger Lewis — Financial Manager
801-537-3206 rogerlewis@utah.gov

Jason Curry — Fire Information Officer/Investigator/
Legislative Liaison
801-538-5324 jasoncurry@utah.gov

Whitney Norton — Administrative Secretary
801-538-5418 wnorton@utah.gov

Online Resources

Facebook:
facebook.com/UtahForestryFireStateLands

Twitter:
[@UtahFFSL](https://twitter.com/UtahFFSL)

Regional Offices

Northeast Area

Mike Eriksson, Area Manager
2210 S. Highway 40, Suite B
Heber City, UT 84302
435-781-5463
mikeeriksson@utah.gov

Central Area

Marvin Turner, Area Manager
1139 North Centennial Park Drive
Richfield, UT 84701
435-896-5697

Southwest Area

Ron Wilson, Area Manager
585 North Main Street
Cedar City, UT 84720-2643
435-586-4408
ronwilson@utah.gov

Southeast Area

Jason Johnson, Area Manager
1165 South Highway 191, Suite 6
Moab, UT 84532-3002
435-259-3762
jasonjohnson@utah.gov

Wasatch Front Area

Trent Bristol, Area Manager
1594 West North Temple, Suite 3520
PO Box 145703
Salt Lake City, UT 84114-5703
801-538-5351
trentbristol@utah.gov

Bear River Area

Blain Hamp, Area Manager
1780 North Research Park Way, Suite 104
North Logan, UT 84341-1940
435-752-8701
blainhamp@utah.gov

Lone Peak Conservation Center

Gary Peck, Center Manager
271 Bitterbrush Lane
Draper, UT 84020-9599
801-571-0900
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: Hollie Brown, John Rogers, Sheri Sasaki, Steve Schneider, Dana Dean, John Baza. Not pictured: Paula Dupin-Zahn

John R. Baza — Director

801-538-5334 johnbaza@utah.gov

Dana Dean — Associate Director for Mining

801-538-5320 danadean@utah.gov

John Rogers — Associate Director for Oil and Gas

801-538-5349 johnrogers@utah.gov

Steve Schneider — Legislative Liaison

801-538-5238 steveschneider@utah.gov

Hollie Brown — Public Information Officer

801-538-5324 holliebrown@utah.gov

Paula Dupin-Zahn — Finance Manager

801-538-5309 pauladupinzahn@utah.gov

Sheri Sasaki — Administrative Secretary

801-538-5336 ssasaki@utah.gov

Julie Ann Carter — Board Secretary

801-538-5277 juliecarter@utah.gov

Regional Offices

Price Field Office

319 N Carbonville Road, Suite C
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

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](https://www.facebook.com/utahoilgasandmining)

Twitter

[@UtahOGM](https://twitter.com/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, Scott Strong, Wendy Wack, Eugene Swalberg, Fred Hayes

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

801-538-7347

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
585 North Main Street
Cedar City, UT 84720-2643
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 Driesbeke, 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

Teri Paul, 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

Teri Paul, Park Manager

435-678-2238

Great Salt Lake State 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

David Wagner, 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

Joseph Donnell, 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](https://twitter.com/UtahStateParks)

Utah Division of Water Resources



1594 W. North Temple, Suite 310
PO Box 146201
Salt Lake City, UT 84114-6201
801-538-7230
801-538-7279 (fax)
water.utah.gov

Executive Team



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

Eric Millis — Director

801-538-7250

ericmillis@utah.gov

Todd Adams — Deputy Director/Legislative Liason

801-538-7272

toddadams@utah.gov

Bill Leeflang — Assistant Director

801-538-7293

billleeflang@utah.gov

Barbara Allen — Administrative Secretary

801-538-7235

barbaraallen@utah.gov

Jim Egbert — Budget Officer

801-538-7257

jimegbert@utah.gov

Online Resources

Water Conservation:

conserwater.utah.gov

Facebook:

facebook.com/consereutahwater

Twitter:

@UTAHSavesH2O

Utah Division of Water Rights



1594 W. North Temple, Suite 220
PO Box 146300
Salt Lake City, UT 84114-6300
801-538-7240
801-538-7467 (fax)
waterrights.utah.gov

Executive Team



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

Kent Jones — State Engineer/Director
801-538-7371 kentjones@utah.gov

Boyd Clayton — Deputy State Engineer
801-538-7390 boyclayton@utah.gov

Jared Manning — Assistant State Engineer/Field Services
801-538-7380 jaredmanning@utah.gov

John Mann — Assistant State Engineer/Applications & Records
801-538-7405 johnmann@utah.gov

David Marble — Assistant State Engineer/Dam Safety
801-538-7376 davemarble@utah.gov

James Greer — Assistant State Engineer/Technical Services
801-538-7481 jamesgreer@utah.gov

Jill Marriott — Financial Manager
801-538-7423 jillmarriott@utah.gov

Marianne Burbidge — Admin. Secretary/Legislative Liaison
801-538-7370 marianneburbidge@utah.gov

Regional Offices

Northern Regional Office

Will Atkin, Regional Engineer
1780 N. Research Parkway, Suite 104
North Logan, UT 84341
435-752-8755
willatkin@utah.gov

Weber/Western Regional Office

Ross Hansen, Regional Engineer
1594 W. North Temple, Suite 220 / PO Box 146300
Salt Lake City, UT 84114-6300
801-538-7240
rosshansen@utah.gov

Utah Lake/Jordan River Regional Office

Teresa Wilhelmsen, Regional Engineer
1594 W. North Temple, Suite 220 / PO Box 146300
Salt Lake City, UT 84114-6300
801-538-7240
teresawilhelmsen@utah.gov

Southern Regional Office

Kirk Forbush, Regional Engineer
130 N. Main Street / PO Box 664
Richfield, UT 84701-0664
435-896-4429
kirkforbush@utah.gov

Southwestern Regional Office

Nathan Moses, Regional Engineer
646 N. Main Street / PO Box 506
Cedar City, UT 84721
435-586-4231
nathanmoses@utah.gov

Southeastern Regional Office

Marc Stilson, Regional Engineer
319 N. Carbonville Road, Suite B / PO Box 718
Price, UT 84501
435-613-3750
marcstilson@utah.gov

Eastern Regional Office

Bob Leake, Regional Engineer
318 North Vernal Avenue
Vernal, UT 84078
435-247-1514
bobleake@utah.gov

Online Resources

Website

waterrights.utah.gov

Facebook

facebook.com/utahwaterrights

Utah Division of Wildlife Resources



1594 West North Temple, Suite 2110
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 Fowlks, Thu Vo-Wood, Gregory Sheehan, Rory Reynolds, Mike Canning, Dean Mitchell

Gregory Sheehan — Director
801-538-4702 gregsheehan@utah.gov

Mike Fowlks — Deputy Director
801-538-4708 mikefowlks@utah.gov

Mike Canning — Assistant Director
801-538-4716 mikecanning@utah.gov

Rory Reynolds — Assistant Director
801-538-4734 roryreynolds@utah.gov

Dean Mitchell — Conservation Outreach Section Chief
801-538-4816 deanmitchell@utah.gov

Thu Vo-Wood — Executive Secretary
801-538-4705 thuvo-wood@utah.gov

Ben Nadolski — Legislative Liaison
801-538-4775 bennadolski@utah.gov

Regional Offices

Central Region

1115 N Main Street
Springville, UT 84663
John Fairchild, Regional Supervisor
801-491-5678

Northeastern Region

318 N Vernal Avenue
Vernal, UT 84078
Boyde Blackwell, Regional Supervisor
435-781-9453

Northern Region

515 E 5300 S
Ogden, UT 84405
Justin Dolling, Regional Supervisor
801-476-2740

Southeastern Region

319 N Carbonville Road, Suite A
Price, UT 84501
Chris Wood, Regional Supervisor
435-613-3700

Southern Region

1470 N Airport Road
Cedar City, UT 84721
Kevin Bunnell, Regional Supervisor
435-865-6100

Washington County Field Office

451 N SR-318
Hurricane, UT 84737
435-879-8694

Regional Advisory Councils

Central Region

Richard Hansen, Chair
sawmillcanyon@msn.com

Northeastern Region

Randy Dearth, Chair
randy.d.dearth@williams.com

Northern Region

John Cavitt, Chair
jcavitt@weber.edu

Southeastern Region

Kevin Albrecht, Chair
kalbrecht@fs.fed.us

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

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



1594 West North Temple, Suite 3110
PO Box 146100
Salt Lake City, Utah 84114-6100
801-537-3300
801-537-3400 (fax)
geology.utah.gov

Executive Team



L to R: Kimm Harty, Rick Allis, Dianne Davis, Jodi Patterson

Rick Allis — State Geologist/Director
801-537-3301 rickallis@utah.gov

Kimm Harty — Deputy Director/Legislative Liaison
801-537-3313 kimmharty@utah.gov

Jodi Patterson — Finance Manager
801-537-3310 jpatters@utah.gov

Dianne Davis — Administrative Secretary
801-537-3305 diannedavis@utah.gov

Regional Office

Southern Utah Regional Office
88 East Fiddler Canyon Road, Suite C
Cedar City, UT
435-865-9034

Online Resources

Website

geology.utah.gov

Natural Resources Map & Bookstore

mapstore.utah.gov

Utah Geological Survey Library

utsl.sirsi.net/uhtbin/cgisirsi/?ps=BJai0GP3xO/DNR/112330046/60/1182/X

Blog

geology.utah.gov/blog

Facebook

facebook.com/Utah-Geological-Survey-251490738585/timeline

Twitter

twitter.com/utahgeological

LinkedIn

linkedin.com/company/utah-geological-survey

NATURAL RESOURCES

DEPARTMENT UPDATE



Executive Director's Commitment

Department of Natural Resources (DNR) employees are committed to enhancing Utah's abundant natural resources. We do this through the process of active management: engaging state, county and local officials; collaborating with community members and organizations and coordinating with our federal partners.

Active management allows us to forecast challenges and solve complex opportunities facing the state. It enables us to serve as good stewards of the resources committed to the department and to anticipate future needs.

This process is evident in Utah's Watershed Restoration Initiative (WRI), which has led to the restoration of over 1.3 million acres of land making it more resistant to catastrophic wildfire. WRI has also enhanced water quality and quantity, forage for livestock and wildlife and helped keep sensitive species from being listed as endangered.

Utah is also making significant strides toward achieving Governor Herbert's goal of 25 percent water conservation by 2025. By working closely with water conservancy districts to "Slow the Flow," we are able to educate Utah families about the importance of water conservation. Decreased water use is critical if we're to meet the future needs of the state and we're now working to establish additional water conservation goals beyond the initial 25 percent.

DNR's commitment to active management of Utah's natural resources is evident in a number of other programs, including catastrophic fire reduction, sage-grouse management, hunting and fishing, outdoor recreation and the responsible development of oil and gas. We will continue to achieve positive results and meet the needs of the state through active management and by working collaboratively with Governor Herbert, our elected leaders and community members and partners.

Michael R. Styler, DNR Executive Director



Department Accomplishments

DNR's commitment to active management means the department consistently strives to maximize its resources and cultivate an innovative culture. This approach has allowed DNR to decrease its dependency on general fund resources. 2015 success highlights include the following:

- ◆ DNR employees exemplify willingness to challenge the status quo and present business-savvy solutions. The divisions are working on 13 Success Framework projects and GIS teams are documenting return on investment as we work to communicate results.
- ◆ With over 100 active partners, the Watershed Restoration Initiative completed over 130 projects, restoring more than 100,000 acres of land this year. Since its inception in 2005, WRI partners have completed over 1,400 projects and treated more than 1.3 million acres of habitat with a collective investment of more than \$130 million.
- ◆ Utah has experienced a 40 percent increase in Utah's greater sage-grouse population during the past year. We believe a significant portion of this increase is due to our improvement of sage-grouse habitat in addition to mild weather and adherence to the state's Sage-Grouse Management Plan.
- ◆ DNR opened its third regional facility (Cedar City), with one more planned in Richfield. By centralizing the department's services we increase convenience for the public, save money long-term and improve functionality and collaboration between our divisions and regional partners.
- ◆ Utah signed a water right's agreement with the U.S. Department of Interior and Arches National Park. The agreement identifies protections for basin water users, including businesses, ranchers, farmers and those that recreate in red rock country. It's the tenth reserved water right agreement Utah has reached with the federal government.

DNR Annual Employee Award Winners

Executive Director's Award

Jim Egbert, Administration and Water Resources



Jim's keen intellect, tireless work ethic and professional integrity make him a remarkable asset to the department and State of Utah. Jim is committed to finding innovative solutions, which resulted in saving the department and Division of Water Resources over \$50,000 a year by implementing new approaches. He works tirelessly to ensure the budget is handled correctly.

Employee of the Year

Steve Bullock, Utah State Parks and Recreation



Steve's personal sacrifice and tireless effort to lead Deer Creek State Park is extraordinary. His work ethic and team commitment is evident by his example, always giving 110 percent. While short staffed, Steve often covered additional shifts to meet park needs, sacrificing time with his family. There is no task too small for Steve. He does everything from picking up trash and cleaning restrooms to grant writing and training staff to run a more efficient park.

Leadership Award

Megan Blackwelder, Utah State Parks and Recreation



Megan's bold vision, tremendous work ethic, knowledge of natural resources and savvy business sense led to unprecedented park improvements and growth at Dead Horse Point. Her leadership resulted in corporate donations to double the length of a popular mountain bike trail and add new exhibits to the visitor center. Additionally, Megan enhanced the park's interpretive program, which resulted in increased visitor engagement.

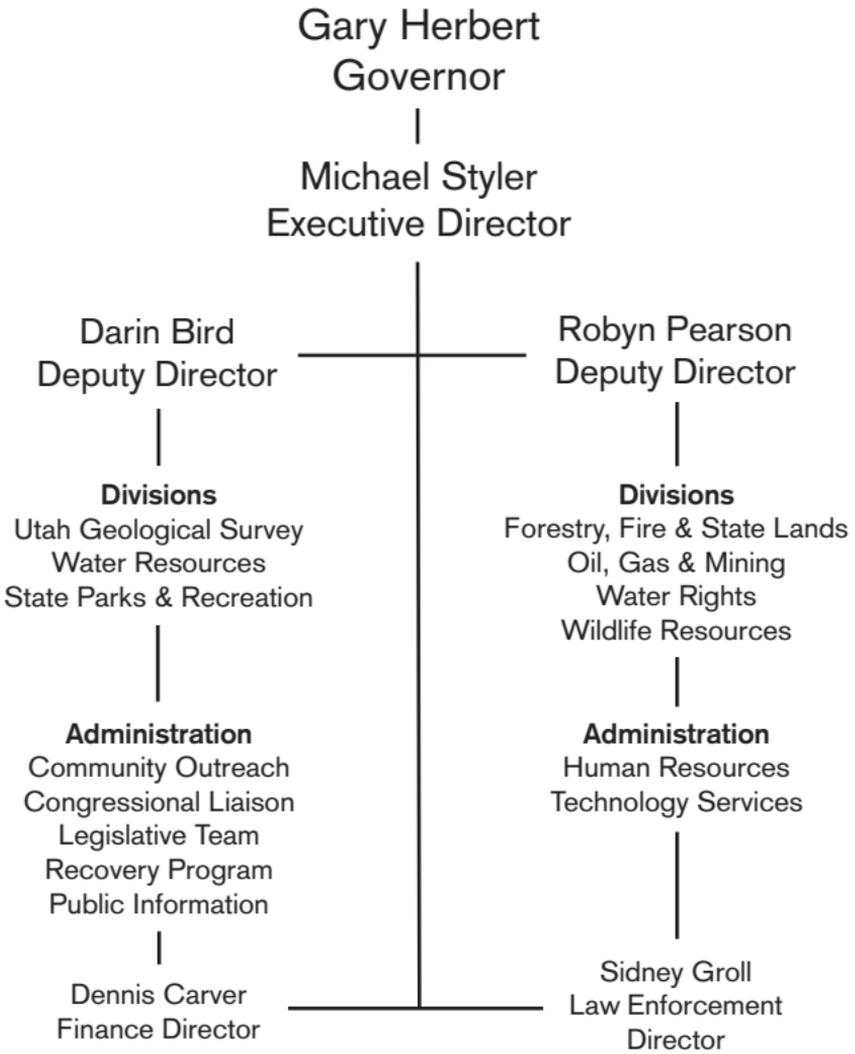
Community Outreach

Chris Haramoto, Utah State Parks and Recreation



Chris' commitment to community and dedication to building relationships is paramount to his ability to foster and enhance partnerships. As East Canyon's park manager, Chris has used his creativity and relationships to develop several new community events, including a fishing equipment lending library for children and a partnership with the Audubon Society to create bird lists, install bird feeders, nesting boxes and other habitat improvements.

Organizational Chart



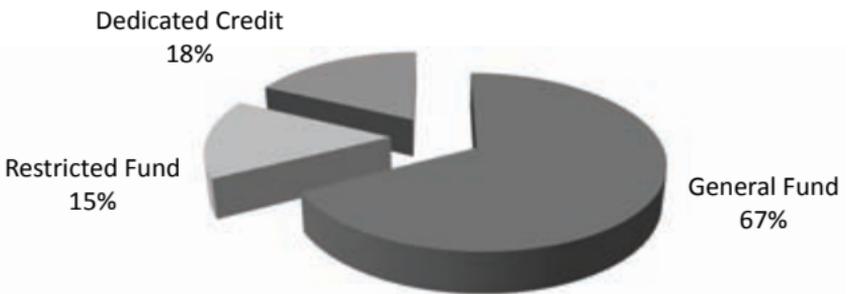
Department Goals

- ◆ **Customer First:** Build and maintain positive relationships with our customers
- ◆ **Enhanced Efficiencies:** Elevate cross-division collaboration to increase department efficiencies and enhance assets and resources
- ◆ **Maximize Resources:** Identify cost reduction opportunities and streamline processes to maximize taxpayer resources and decrease general fund reliance

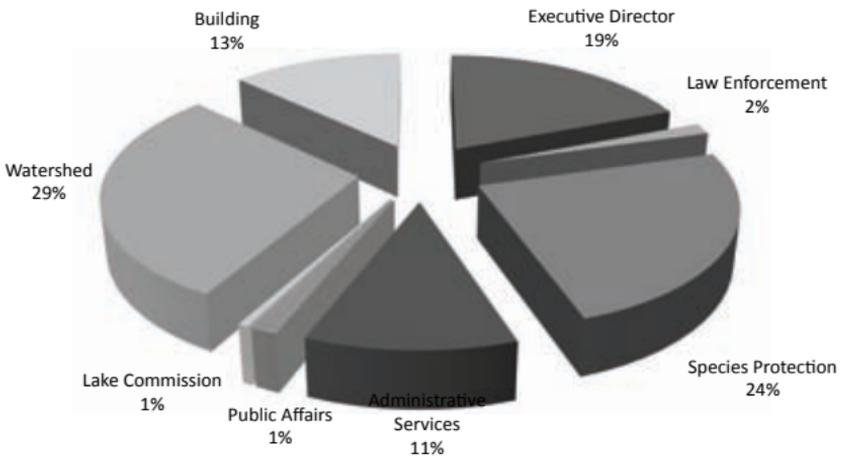
Financials

**Fiscal Year Ending
June 30, 2015
(Unaudited)**

Revenue \$13,855,900



Expenses \$13,855,900



NATURAL RESOURCES DIVISION UPDATES



STATE PARKS



WILDLIFE



FORESTRY



WATER RIGHTS



OIL, GAS & MINING



GEOLOGICAL SURVEY



WATER RESOURCES

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

Mission Statement:

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



Wildland firefighters from Cache, Rich and Weber counties take part in a training session for fighting fire in the Wildland-Urban Interface (WUI).



State fire crew members work on a fuel break in Davis County.

Director's Commitment

What an honor it is to represent the dedicated employees of the Division of Forestry, Fire and State Lands and provide this year's report. The Division has nearly 110 year-round, full-time employees, with more than twice that number when our seasonal firefighters are on staff, and all of them work diligently to manage, conserve and restore lands across Utah.

The Division's *Forestry Program* provides technical assistance to private forestland owners, communities, and other state and federal agencies. From Forest Stewardship, to Forest Health, to Urban & Community Forestry, our talented forestry staff is at the forefront of maintaining and restoring healthy forest ecosystems and urban forests throughout the state.

The *Fire Management Program* is responsible for wildland fire protection for all state and unincorporated private (county) lands in cooperation with other land management agencies and local fire departments. These strong relationships are key to our wildland fire suppression success. We continue to emphasize wildfire prevention, preparedness and mitigation through the implementation of the Governor's *Catastrophic Wildfire Reduction Strategy*. And we're working towards the 2016 legislative session and extensive wildfire policy changes that will allow us to better meet the three goals of resilient landscapes, fire-adapted communities, and improved wildfire response.

Our *Sovereign Lands Program* manages the State's submerged lands—the beds and shorelines of Bear Lake, Great Salt Lake, Utah Lake, Bear River, Jordan River, and portions of the Green and Colorado rivers—according to the Public Trust Doctrine and principles of multiple use. We work closely with local stakeholders on issues such as navigation, invasive species management, access and recreation, various commercial uses, and conservation on 1.5 million acres and 2,200 miles of shoreline.

The staff of the Division of Forestry, Fire and State Lands is outstanding. Whether it be at the state office in Salt Lake City, one of our six area offices—Logan, Salt Lake, Heber, Moab, Richfield and Cedar City—or the Lone Peak Conservation Center, their commitment to productivity and quality outcomes are leading to healthier, more resilient lands in Utah.

Brian Cottam, Division Director / State Forester



Division Accomplishments

Forestry

- ◆ Helped host in Salt Lake City the joint conference of the Society of American Foresters and the prestigious International Union of Forest Research Organizations' World Congress.
- ◆ Expanded our Urban and Community Forestry Program to better assist even more communities across the state in managing their urban trees and forests.
- ◆ Utah was recognized by the Arbor Day Foundation for having more new Tree City USA communities than any other state.

Wildfire

- ◆ The Governor's Catastrophic Wildfire Reduction Strategy continues to be a top priority for the Division. In FY'14, in partnership with local government, 21 fuel reduction projects were completed statewide through an initial legislative appropriation of 1.9 million dollars.
- ◆ Collaborative efforts towards wildland fire policy reform are moving forward with a strong level of engagement from the Utah League of Cities and Towns, Utah Association of Counties, Utah State Fire Chiefs Association, State Senator Evan Vickers and others.
- ◆ FFSL continued its efforts towards developing a state-of-the-art fire business management system. Our new web-based system will streamline the billing and reporting of wildland fire costs, and immensely improve the accuracy and efficiency of ever-complex wildfire accounting.

State Lands

- ◆ With numerous state, county, municipal, higher education and private-sector partners, the Sovereign Lands Program is developing the first-ever Jordan River Comprehensive Management Plan as well as a cutting-edge Integrated Water Resource Management Model for Great Salt Lake.
- ◆ The Division treated more than 3,000 acres of the invasive species Phragmites on sovereign lands across the state.



Sovereign Lands staff inspecting a phragmites treatment area in Farmington Bay.

Forecast

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

- ◆ Watershed protection and forest health
- ◆ Increased management and control of invasive species and noxious weeds (e.g., phragmites)
- ◆ Impacts to urban and community forests
- ◆ Wildland urban interface growth and associated wildfire risk
- ◆ Forecast for larger and more intense wildfires with unprecedented erratic fire behavior
- ◆ Paying for wildfire pre-suppression, suppression and rehabilitation costs
- ◆ Utilization of woody biomass to offset the cost of fuels reduction and fire mitigation work
- ◆ Increasing complexity and demands of sovereign lands management
- ◆ Increasing litigation, such as the Weber River lawsuit

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

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 Protection

Provide wildfire management and suppression on Utah's state lands and unincorporated (county) private lands. Emphasize prevention, preparedness and mitigation efforts at the local level, including wildland fire suppression training and fire equipment grants for community and volunteer fire departments.

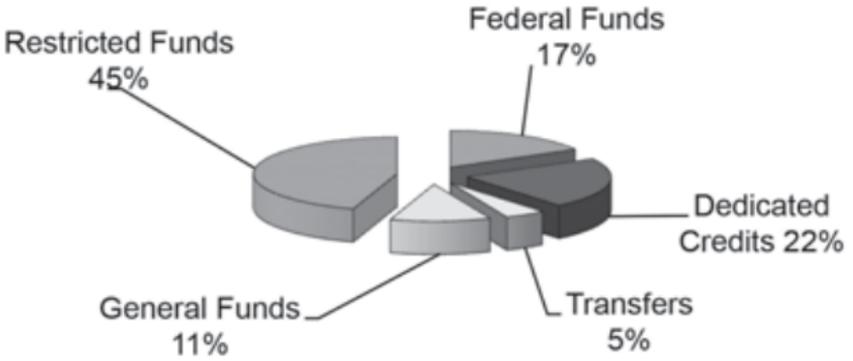
Lone Peak Conservation Center

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.

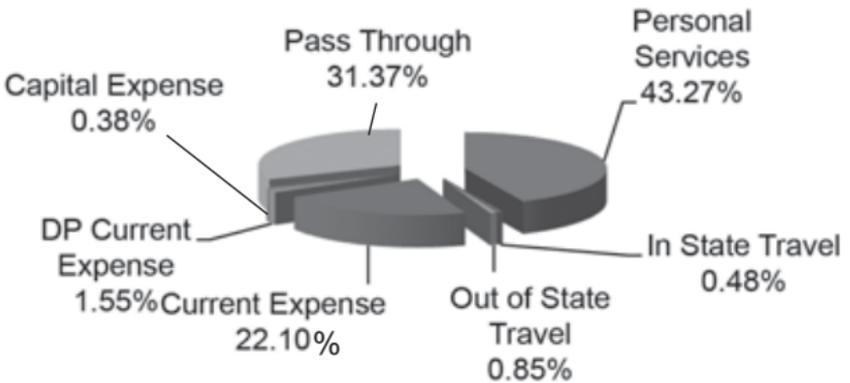
Financials

**Fiscal Year Ending
June 30, 2015
(Unaudited)**

PERCENT OF REVENUE \$27,406,361



PERCENT OF EXPENDITURES \$27,406,361



A forester talks with a KSL news reporter about restoring aspen trees in Carbon County.

Utah Division of Oil, Gas and Mining (DOGM)

Mission Statement:

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



Utah Board of Oil, Gas and Mining members tour Fidelity Pipeline in Grand County.



Dennis Ingram, senior petroleum operations specialist, speaks with the rig supervisor at a plugging operation.

Director's Commitment

Our Division actively manages Utah's resources by ensuring responsible resource development, protecting public safety and preserving the environment. We are committed to the future of oil, gas and mining in the state and will continue working with stakeholders to increase positive outcomes.

John R. Baza, Director



Division Accomplishments

Minerals

The B&H limestone quarry was located on private land in Mayfield and consisted of a pit, waste rock dumps, equipment shed and storage areas. In 2014, the mine operator and permittee filed for bankruptcy, forfeiting their mine reclamation bond and forcing the Division to plan and implement reclamation work. The operator significantly expanded the disturbance area without Division approval and didn't post the required reclamation bond, creating a shortfall in reclamation funds.

Division staff met with the landowner and contractor to discuss reclamation. Areas were prioritized and projects with the greatest potential impact to public safety were completed first including filling and regrading the abandoned pit. Other aspects of reclamation still need to be completed including revegetation and trash removal. Considering the bonding limitations, the Division and landowner consider the reclaimed portion of this project a success.

Coal

The Des Bee Dove Mine located in Emery County was approved for final bond release in August 2014. This is a significant step in the coal mining process as it indicates the mining company completed all site reclamation requirements and is now released from liability.

The 41-acre Des Bee Dove Mine was originally owned by the Church of Jesus Christ of Latter Day Saints. It was operated for many years until it was purchased by Utah Power & Light, now PacifiCorp, which closed the mine and completed reclamation between 2002 and 2003.

Although the site was reclaimed a number of years ago, PacifiCorp continued to monitor and maintain the site for the

extended liability period of 10 years to ensure vegetation was sustainable. After successful completion of the liability period, the bond was released. Reclamation of this site was a major accomplishment because of the rugged, steep and arid terrain.



Des Bee Mine before reclamation (top). Des Bee Mine after reclamation (bottom). Reclamation of the Des Bee Mine site was a major accomplishment because of the rugged, steep and arid terrain.

Abandoned Mine Reclamation

The 19-acre Knight-Ideal Loadout Project involved reclaiming an abandoned coal loading facility in the town of Wellington at a total cost of \$2.4 million.

The project excavated and disposed of approximately 31,500 cubic yards (cy) of coal refuse, 2,500 cy of structural debris and 650 tons of other debris; 58 tons of scrap steel was recycled. Roughly 10,500 cy of contaminated soil was excavated and removed to an offsite landfill. Reclamation began in October 2012 and was completed December 2014.

Once the site was reclaimed, abandoned mine reclamation staff partnered with Wellington City and the Utah Division of Wildlife Resources to build a community fishing pond on the property, greatly improving the quality, safety and functionality of the site.



Knight Ideal before reclamation (top). Knight Ideal site after \$2.4 million reclamation (bottom). DOGM staff partnered with Wellington City and Utah Division of Wildlife Resources to build a community fishing pond.

Abandoned Mine Reclamation -

In June 2015, the Utah Board of Oil, Gas and Mining approved an action filed by Newfield Production Company allowing up to 17 horizontal wells to be drilled in Uintah and Duchesne counties.

Unlike traditional methods, horizontal drilling allows for multiple wells from one well pad, which decreases surface disturbances and saves equipment costs. It also allows greater recovery of oil and gas reserves by accessing angles difficult to reach with traditional drilling. Horizontal wells aid in oil and gas extraction within areas with sensitive ecosystems where surfaces cannot be disturbed.

This significant decision and technology puts the Uintah Basin in the forefront of horizontal drilling development.

Forecast

While the Division cannot predict the future of conventional energy development in Utah, we will continue to ensure industry compliance and regulate operations to safeguard Utah's resources.

We plan to be more proactive by educating Utahns about the importance of conventional energy in Utah and the role it has on our economy and quality of life.

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: Chris D. Hansen, Carl R. Kendell, Susan S. Davis, Ruland J. Gill, Jr., Richard K. Borden

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

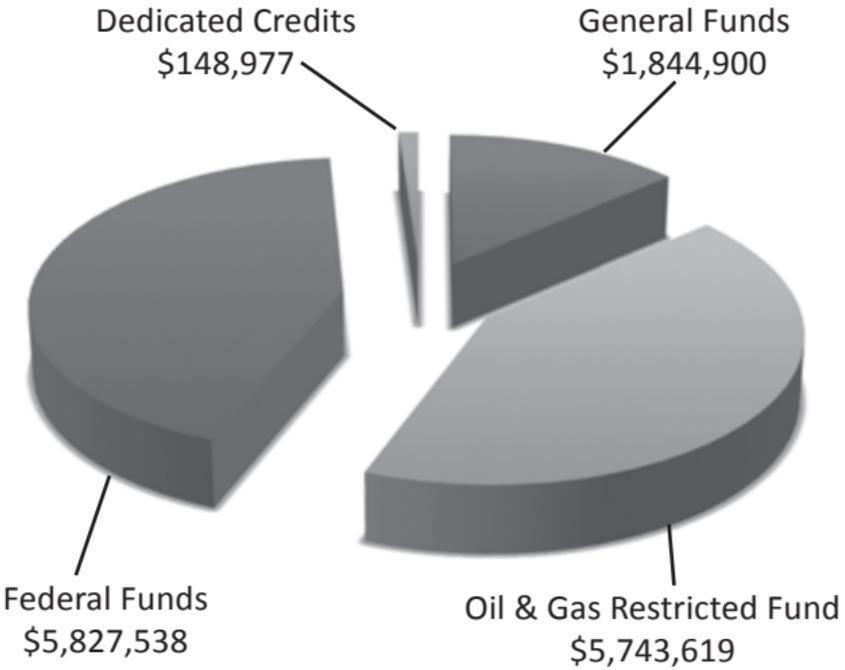
Board Secretary

801-538-5277

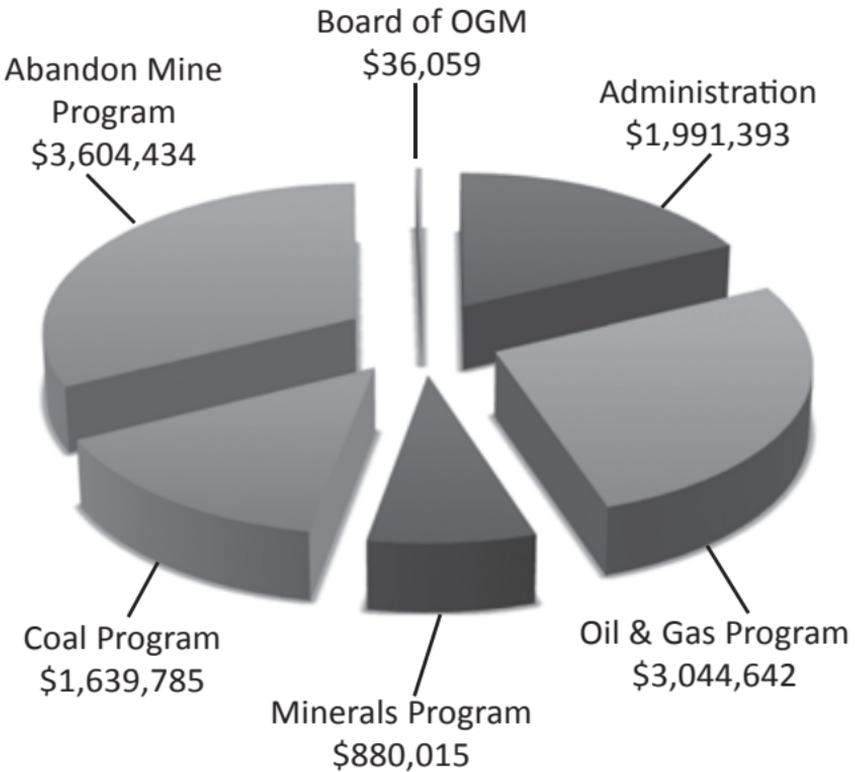
Financials

**Fiscal Year Ending
June 30, 2015
(Unaudited)**

**Revenue
\$13,565,034**



**Expenditures
\$11,196,328**



Utah Division of Parks & Recreation (UPR)

Mission Statement:

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



A state park ranger interacts with a visitor at Sand Hollow State Park.



New mountain bike trail at Goblin Valley State Park.

Director's Commitment

2015 was a banner year for Utah's state parks. We saw record number of visitors at virtually all of our 43 state parks. These visitors came from not only our local communities, but from every state in the nation and from many overseas locations. As they arrived at their destination, they were greeted by a wealth of fun and engaging activities.

Utah's state park system is committed to providing the best of recreational opportunities. We adhere to the motto that our state parks should be "clean, safe, and friendly" destinations that provide opportunities for families and friends to reconnect and enjoy each other's company. We are committed to ever increasing the variety of activities, amenities, and accommodations that our customers are seeking.

As we enter our 60th year of operation, we invite the world to come and enjoy our fabulous 43 state parks.

Fred Hayes, Director



Division Accomplishments

- ◆ Utah State Parks and Recreation is continually looking for opportunities to expand revenue and recreational opportunities. This change in philosophy has resulted in year-over-year revenue increases since 2010 and an increase of almost \$1 million last year.
- ◆ Several new recreational opportunities were added to state parks last year to increase the visitor experience. Goblin Valley opened a new mountain bike trail; a seven mile, stacked loop trail that offers cyclists stunning views of the San Rafael Reef and a new appreciation of the wonders of the desert.
- ◆ Utah's boating program has expanded cooperative efforts between Utah State Park rangers and National Park Service personnel. As a result, there were no boating related fatalities on Glen Canyon National Recreation Area (Lake Powell) during the past fiscal year.
- ◆ The Division's off-highway vehicle program launched a partnership with Primary Children's Hospital and the Safe

Kids Coalition to provide safety instruction and to help prevent OHV related injuries. Over 175 youth participated in the program and public service announcements helped disseminate safety messages statewide.

Forecast

- ◆ The Utah Division of Parks and Recreation remains committed to becoming a self-sufficient agency and will continue to emphasize principles of good business management to increase the Division's profitability and to also enhance its visitor experience.
- ◆ Division personnel and park staff will continue to offer clean, safe and friendly facilities so Utah residents and out of area visitors can have more fun in more parks.
- ◆ Utah State Parks is currently developing a long range plan designed to increase recreational opportunities by adding strategic park amenities. Additionally, plans are underway to evaluate expansion and park enlargement opportunities as a way of meeting increased demand.

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.

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 Board



Utah State Parks and Recreation board members are sworn in at the Department of Natural Resources.

Irene Hansen, Chair

Uintah, Daggett and Duchesne counties

Jaren Davis, Vice Chair

State-at-Large

Kevin Christensen

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

Doug Thompson

Box Elder, Cache and Rich counties

Corey Cram

Beaver, Iron and Washington counties

Tom Guinney

Salt Lake, Tooele and Summit counties

Ryan Starks

Utah, Juab, Wasatch and Millard counties

Kimberly Schappert

Emery, Carbon, Grand and San Juan counties

Bob Murri

Davis, Morgan, and Weber counties

Wendy Wack

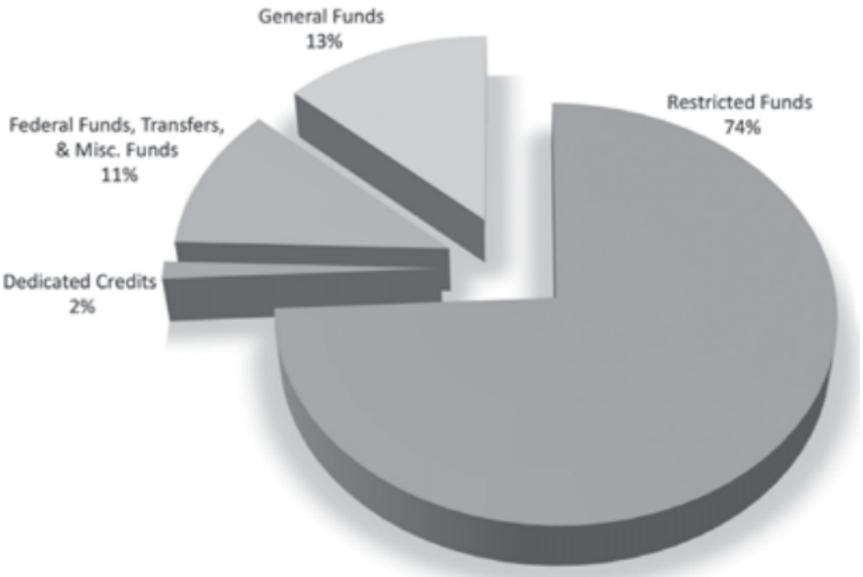
Administrative Assistant

801-538-7418

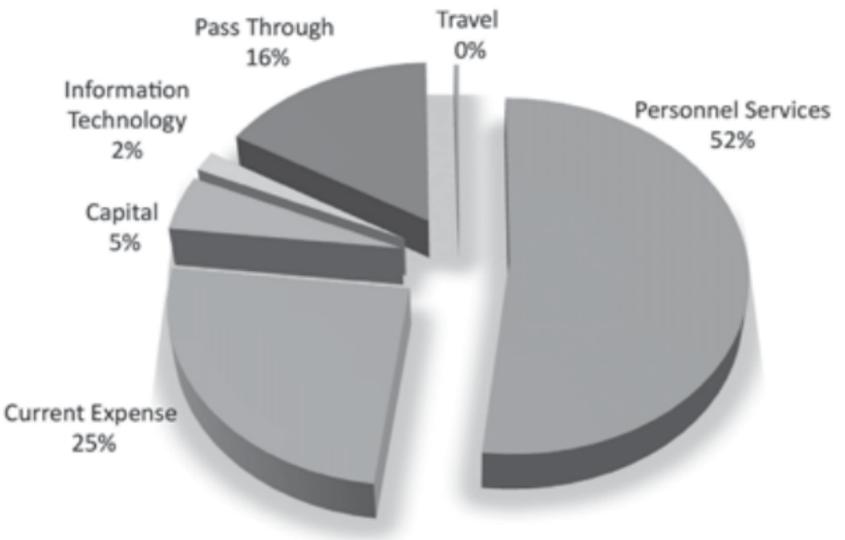
Financials

**Fiscal Year Ending
June 30, 2015
(Unaudited)**

**Revenue
\$32,373,990**



**Expenditures
\$32,726,274**



Utah Division of Water Resources (DWRe)

Mission Statement

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



In partnership with several water conservancy districts, Utah's Slow the Flow campaign is designed to educate residents about the importance of water conservation. The campaign has helped increase water conservation statewide by nearly 25 percent.



Water Resources Engineer Candice Hasenyager, is the president of the American Water Resources Association and is shown here presenting Mr. Paul Riley with a founders award.

Director's Commitment

There has never been a more challenging or exciting time to be a part of the Utah Division of Water Resources. Utah's population is projected to double by 2060, and our water supply will not. To further complicate matters, this year continued what has essentially been a 15 year drought.

Our Division is committed to identifying multi-faceted solutions to Utah's multi-faceted water challenges. In order to meet these challenges, we will need to work harder and collaborate more than ever. We are dedicated to adapting and becoming more sophisticated as a Division to meet these challenges head on.

Our dedicated staff is committed to identifying ways to conserve, optimize, and secure Utah's water resources. The Governor has also assembled his Water Strategy Team, made up of water interests and professionals, to help guide Utah's decision making. Much is at stake in Utah's water future, and we look forward to being part of the solution.

Eric Millis, Director



Division Accomplishments

- ◆ We have made great progress towards addressing recommendations laid out in the legislative audit released this year.
- ◆ Utahns may reach the 25 percent conservation goal this year, 10 years earlier than expected. The Slow the Flow campaign and conservation efforts throughout the state have contributed to the success.
- ◆ We published the following reports: Utah Lake Basin Land Use Inventory Summary, Jordan River Basin Land Use Inventory Summary and Utah's M&I Water Conservation Plan – Investing in the Future.
- ◆ We have continued work on the Lake Powell Pipeline and Bear River Development Feasibility studies.
- ◆ The Board of Water Resources loaned \$31.4 million for 16 projects, and granted \$3.2 million for two dam safety projects.

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 will double, resulting in a population of nearly six million people.
- ◆ We are currently within a 15 year drought. The combination of an increasing population with less snowpack and precipitation is a significant challenge.
- ◆ In order to conserve significantly beyond our 25 percent goal, efficiencies alone will not be sufficient. Changes in local policies and landscapes and technology will need to take place.
- ◆ Secondary water metering would be very helpful to conservation efforts, but the installation cost is significant.
- ◆ More resources are needed in order to improve water usage data submission accuracy.



The Division of Water Resources participated in the ground breaking ceremony of the Red Butte Garden Conservation Garden.

Key Services

Water Development and Conservation Funds

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

Technical Assistance

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

Water Planning

DWR 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.

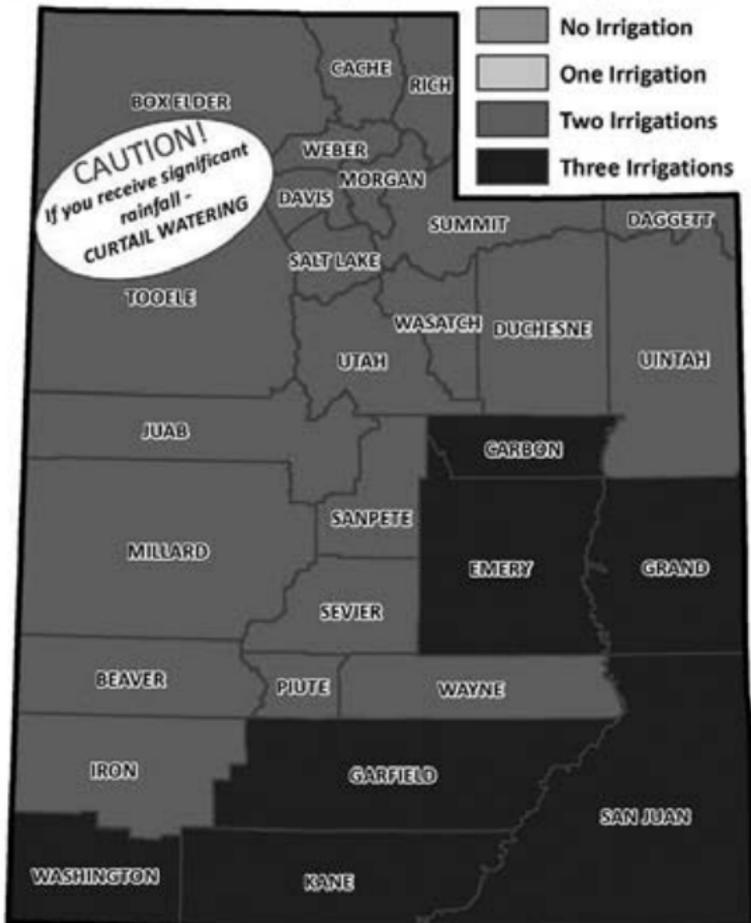
Cloud Seeding

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.

For the Week of: Aug 21, 2015 to Aug 27, 2015



One Irrigation is equivalent to 20 minutes with pop-up spray heads and 40 minutes with impact rotor sprinklers

Weekly lawn watering guide.

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

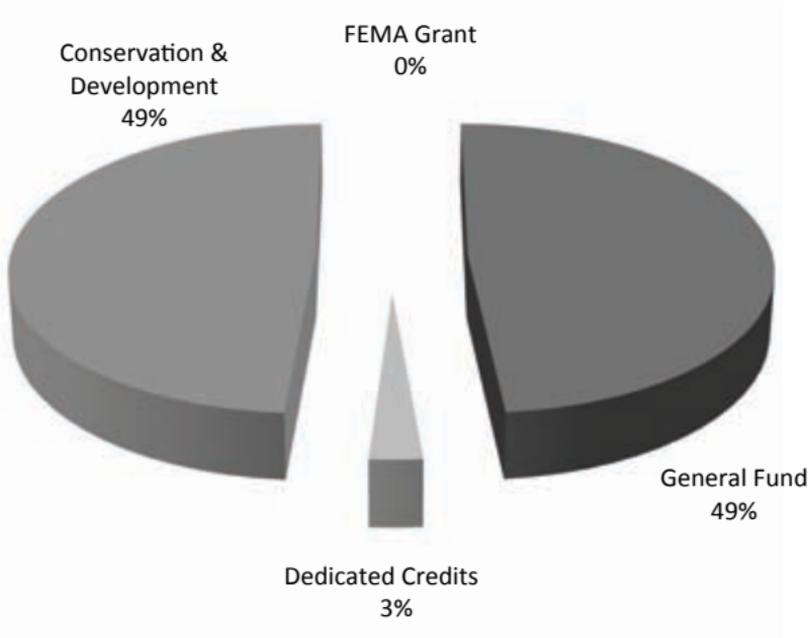
David S. Humphreys

Weber, Davis, Morgan, Summit counties

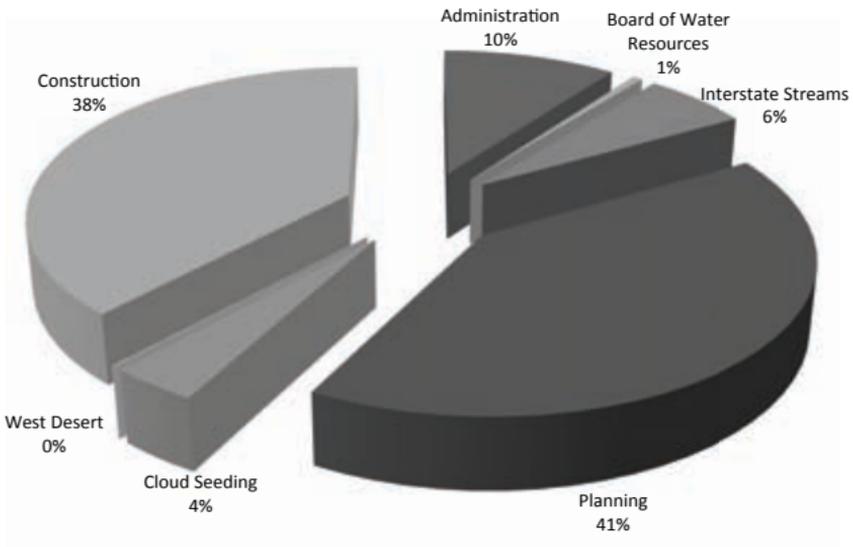
Financials

**Fiscal Year Ending
June 30, 2015
(Unaudited)**

**Revenue
\$5,923,500**



**Expenditures
\$5,923,500**



Utah Division of Water Rights (DWRI)

Mission Statement

“Division of Water Rights promotes order and certainty in administering the beneficial use of Utah’s water.”



Water intake system used to honor priority water to local users. Excess water returns to the Beaver River.

Director's Commitment

Who would have thought that with such a dry, warm winter with limited snow pack, that the precipitation totals in several parts of the state would approach 100 percent of normal?

Interesting problems arose this year as limited peak runoff occurred and users were struggling to divide what little resource they had appropriately to all the users that were entitled. The benefit of having measuring and monitoring devices on water sources and diversions was realized on those systems that had good infrastructure. It was easy on those systems to recognize what water was available and to proportionately distribute those waters to the proper rights.

Additional efforts need to be pursued to assure that users have adequate headgates and measuring devices to properly control and monitor the amount of water being used.

Working with water users this year to get water measuring devices in place to maximize distribution efficiencies has been very beneficial. As we move into differing precipitation patterns and varying runoff periods, we and the water users are committed to work together to get water moved to where it is needed.

We continue to encourage conservation of the resource and are committed to protecting the rights of all water users. By working together, we were able to make it through the water year with limited restrictions.

Kent Jones – State Engineer/Division Director



Division Accomplishments

- ◆ Legislative session passed eight water bills with significant influence on future course.



- ◆ Adjudication push to modernize process and review funding to request court to appoint special masters to help streamline adjudications through the court.



- ◆ Completed first year of a three-year program on canals and on target to complete.



- ◆ Settlement agreement on Arches Federal Reserve Water Right was signed by the Governor on May 22, 2015.



Action on applications in FY2015 was as follows:

<u>Filed</u>	<u>Action</u>	<u>Type</u>
280	311	Applications to Appropriate
930	1087	Change Applications
95	118	Exchange Applications
113	84	Nonuse Applications
997	1105	Extension Requests
761	782	Certificates of Beneficial Use
258	264	Stream Alterations
2749	2811	Reports of Conveyance
1460	1405	Deed Addendums Processed
269	269	Dam Safety Inspections
37	12	Enforcement Referrals
<hr/>		
7949	8248	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.

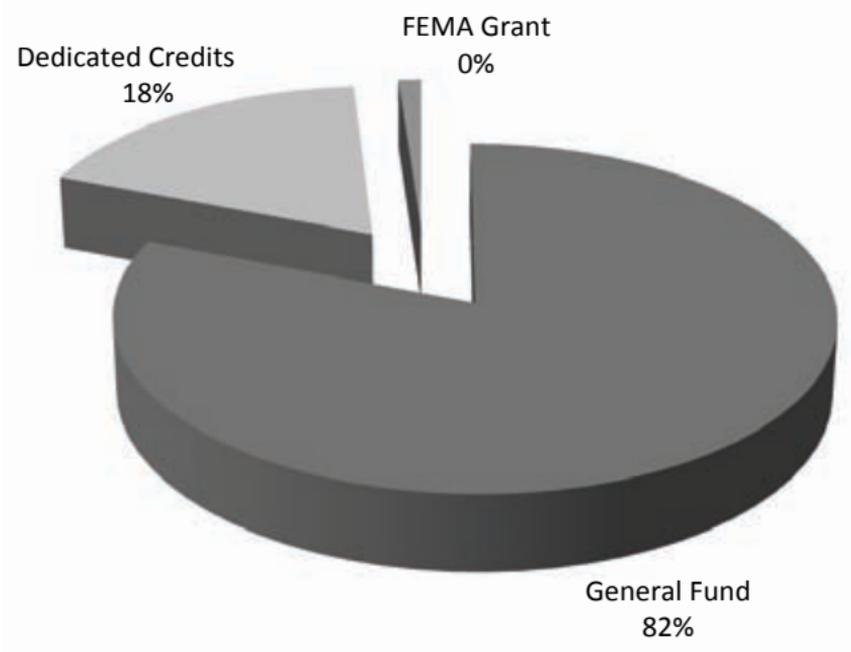
Enforcement

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.

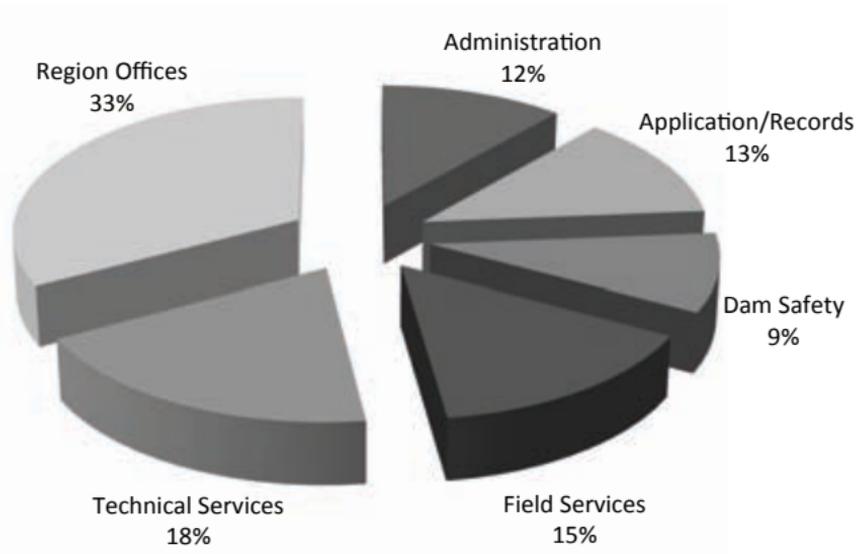
Financials

**Fiscal Year Ending
June 30, 2015
(Unaudited)**

**Revenue
\$9,816,000**



**Expenditures
\$9,383,000**



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."



These bucks are on the Paunsaugunt unit, one of Utah's premier mule deer hunting areas. Utah's deer herds are growing and are now in the best shape they've been in since the early 1990s. Biologists estimate the total number of deer in the state at 355,600. This growth is the result of many different factors, including mild winters, extensive habitat restoration, highway fencing, wildlife underpasses and predator control. Photo: Gregory Sheehan



Division fisheries personnel use electrofishing equipment to collect Colorado River cutthroat trout on the north slope of the Uintas. The biologists use the eggs and milt from those fish to produce more cutthroats. Because Utah has been so proactive in its work to restore native cutthroat trout populations and habitat, the fish have not been listed under the Endangered Species Act. Photo: Natalie Boren

Director's Commitment

I'm a firm believer in active, hands-on management to sustain and enhance Utah's fish and wildlife populations.

During my years as director, we have sought out new opportunities for wildlife and for Utahns to enjoy that wildlife. Adaptive and active management is critical in light of our ever-changing landscapes and Utah's growing population. But we are succeeding, and our wildlife resources are only getting better.

These active efforts have helped establish bighorn sheep, mountain goats and mule deer in places where their populations were struggling or nonexistent. New community fisheries throughout the state provide close-to-home fishing opportunities. We've also released thousands of pheasants each fall, so Utah families can return to fun, familiar hunting traditions.

We're working with dozens of partners to restore Utah's watersheds. Together, we have rehabilitated more than one million acres of wildlife habitat, which benefits a variety of animals, including mule deer, greater sage-grouse and many native fish species. We are seeing more buck deer on the landscape than we've seen in decades, and recent surveys show that our sage-grouse populations have increased by nearly 40 percent.

Utah fishing is phenomenal, and we're working hard to keep it that way. We recently built a warmwater hatchery and have stocked wipers, tiger muskies and bass into fisheries where they will thrive. And with the support of the Utah Legislature, we've taken aggressive steps to combat quagga mussels at Lake Powell.

We still have challenges to address, but I believe we are in the middle of a record-setting era of wildlife diversity and abundance. Utah's wildlife future is bright, and we are excited to help the public enjoy it.

Gregory Sheehan, Division Director



Division Accomplishments

Some of our key accomplishments over the past year include:

- ◆ Managing a rebound in Utah's deer herds. Populations are the highest they've been since the early 1990s.
- ◆ Implementing *Utah's Greater Sage-Grouse Conservation Plan* and seeing a 40-percent increase in the state's greater sage-grouse numbers over the past year.
- ◆ Taking aggressive, on-the-ground steps at Lake Powell to prevent quagga mussels from spreading to other lakes and reservoirs.
- ◆ Effectively managing Utah prairie dog populations in Iron County and the surrounding areas after the state was given jurisdiction over the species.
- ◆ Focusing on warmwater fish species — in addition to trout — to bring more variety to Utah's fisheries.
- ◆ Continuing to restore wildlife habitat as a partner in Utah's Watershed Restoration Initiative. Since 2006, the initiative has rehabilitated and restored more than one million acres.



Utah has made the health of the greater sage-grouse a priority, creating a scientifically based plan built on decades of research. Utah's sage-grouse are responding positively under the plan, and surveys have shown a population increase of approximately 40 percent in the past year. Utah's Greater Sage-grouse Management Plan conserves more than 90 percent of the state's greater sage-grouse habitat, totaling 7.5 million acres. Photo: Scott Root

Forecast

During the next fiscal year we will likely work on many of the same issues we tackled last year. These include:

- ◆ Actively managing fish and wildlife populations so they don't need to be listed under the Endangered Species Act.
- ◆ Continuing the battle against invasive plant and animal species, including quagga mussels.
- ◆ Reseeding areas burned by wildfires and continuing to restore wildlife habitat and watersheds.

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.

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 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

Kirk Woodward, Vice Chair
Northeastern Utah

Byron Bateman
Northern Utah

Calvin Crandall
Central Utah

Steve Dalton
Southern Utah

Donnie Hunter
Southern Utah

Michael King
Southeastern Utah

Gregory Sheehan,
Executive Secretary

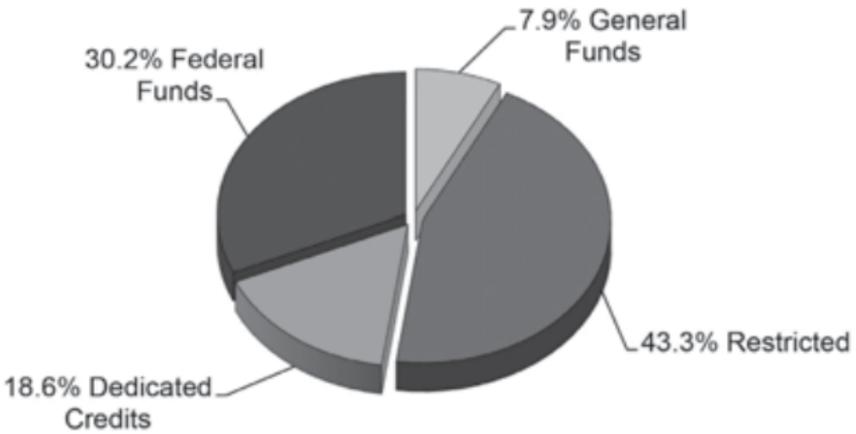


In the spring of 2015, Division fisheries personnel conducted annual fish population sampling at many of Utah's lakes and reservoirs. This 16-inch smallmouth bass was netted at Rockport Reservoir in northern Utah. The Division continues to stock rainbow trout statewide but biologists are working to add more warmwater species, including bass, wall-eye, wipers and tiger muskies, where appropriate. Photo: Chris Penne

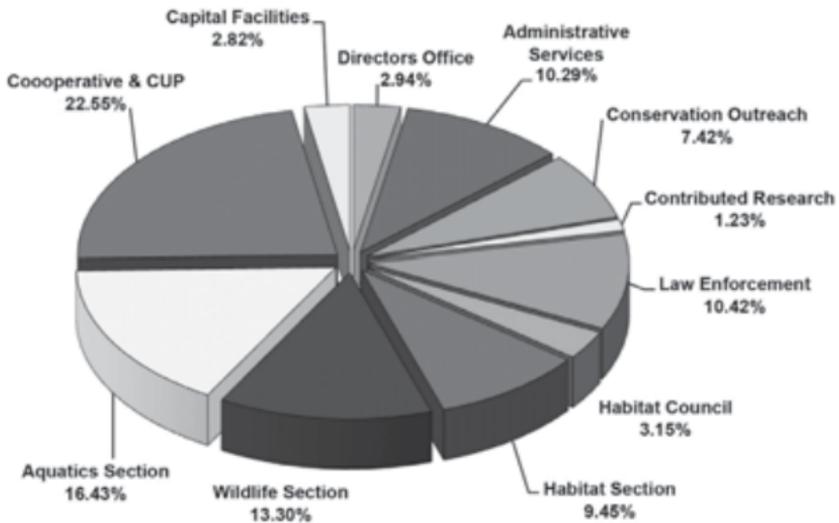
Financials

**Fiscal Year Ending
June 30, 2015
(Unaudited)**

**Revenue
\$81,168,934**



**Expenditures
\$81,168,934**



Habitat Council Spending by Program (Category)

Waterfowl	\$83,876	3.28%
Upland Game	\$371,553	14.54%
Big Game	\$1,165,491	45.61%
Non-Game Terrestrial	\$13,929	0.55%
Sportfish	\$902,566	35.32%
Non-Game Fish	\$18,173	0.71%
Total	\$2,555,588	100.00%

Utah Geological Survey (UGS)

Mission Statement:

“Utah Geological Survey provides timely scientific information about Utah’s geologic environment, resources and hazards.”



UGS engineering geologists inspecting landslide features and monitoring landslide movement with GPS equipment at the Parkway Drive landslide, North Salt Lake.



UGS surveyors collect data at a riparian wetland along Diamond Fork in Utah County. Ryhan Sempler poses for an overview photo of the site while Claudia Stout collects species data and Elliott Casper prepares to collect water quality and soil data.

Director's Commitment

The Utah Geological Survey assists government, industry, and the general public by gathering, interpreting, and publishing geologic information. With Utah's rapid growth, a healthy environment and healthy landscapes include finding a balance between resource development and other land uses, including recreation and preservation. Recognition that geologic hazards may constrain some urban growth, and ensuring that growth does not degrade clean groundwater. In all these areas the UGS has specialist expertise that helps with wise land-use decisions.

Rick Allis, State Geologist/Director



Division Accomplishments

- ◆ Published results of a multi-year groundwater study of Snake Valley in response to proposed groundwater development in eastern Nevada.
- ◆ Provided Governor's Office of Planning and Budget estimates of future revenue from critical energy and mineral production in Utah.
- ◆ Published a new geologic map of the Panguitch 30' x 60' quadrangle, which includes Bryce Canyon National Park, Cedar Breaks National Monument, and much of the geologically important Markagunt Megabreccia, which may be the largest known prehistoric landslide on earth.
- ◆ Redesigned and maintained the UGS website, which received 763,000 visitor sessions (average of more than 2,000 per day).
- ◆ Acquired 1,422 square miles of high-resolution LiDAR data (critically important for geologic-hazard mapping) of the Salt Lake and Utah valleys, and the entire Wasatch fault zone in cooperation with other local, state, and federal partners.

Forecast

A critical factor influencing the UGS during the next few years is diminished Mineral Lease revenue due to low oil and natural gas prices. This has caused a reduction in staffing due to layoffs, and non-replacement of retired or resigning staff. By the end of FY17, we expect staff numbers will be about 20 percent less than they were at the start of FY15, resulting in several gaps in specialist expertise. We are working with the Governor's Office of Management and Budget, and with the legislature, to transition from an \$8.5 million budget and a staff of close to 80 in FY15 to about a \$7.0 million budget and a staff of about 65 in FY17.

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 & 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.

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

Tom Tripp, Chair
Minerals (Metals)

Marc Eckels
Minerals (Hydrocarbons)

Ken Fleck
Minerals (Coal)

Pete Kilbourne
Scientific Interests

Bill Loughlin
Engineering Geology

Sam Quigley
Minerals (Industrial)

Elissa Richards
Public-at-large

Kevin Carter
Ex-officio

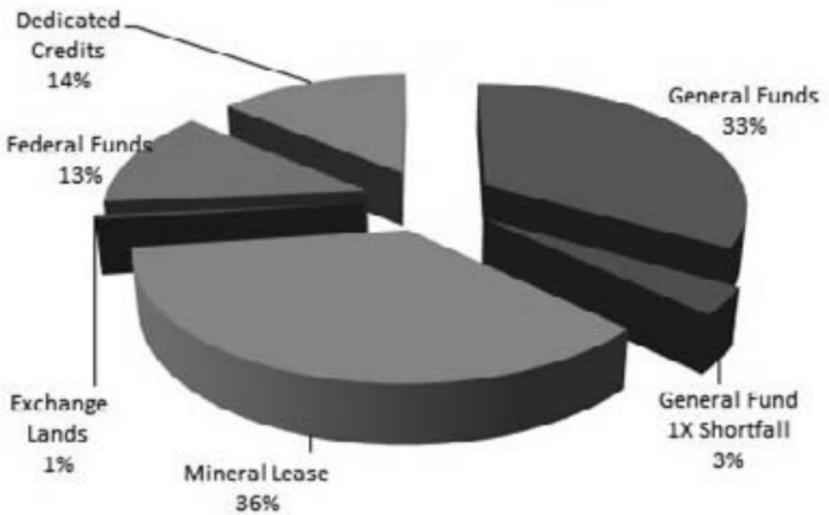


Each year, UGS Geologic Information and Outreach staff organize hands-on educational activities for nearly 1,000 elementary school students during Earth Science Week.

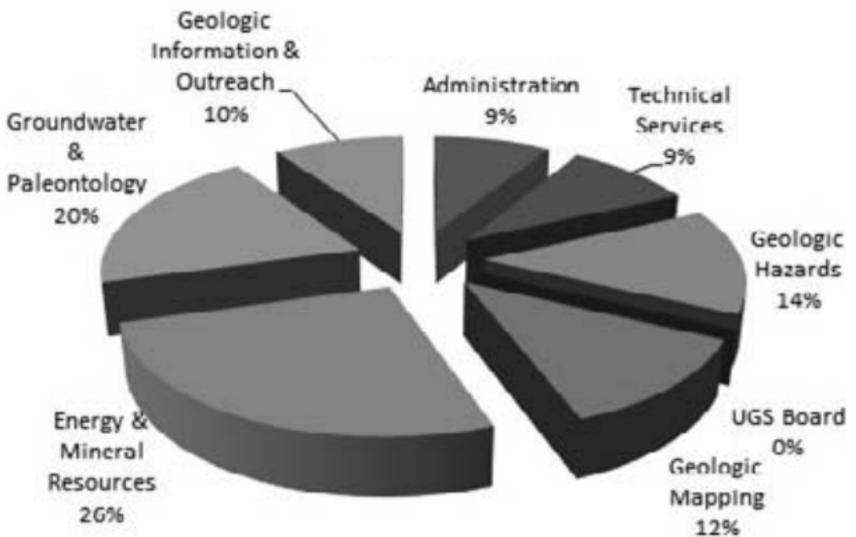
Financials

Fiscal Year Ending
June 30, 2015
(Unaudited)

Revenue
\$8,473,030



Expenditures
\$8,473,030



Utah Department of Natural Resources
PO Box 145610
Salt Lake City, Utah 84114-5610

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