



**Assembly Natural Resources**  
February 22, 2011

Leo Drozdoff, Director  
Kay Scherer, Deputy Director

DEPARTMENT OF  
**CONSERVATION &  
NATURAL RESOURCES**

@NevDCNR  
[www.dcnr.nv.gov](http://www.dcnr.nv.gov)



DEPARTMENT OF  
**CONSERVATION &  
NATURAL RESOURCES**

- ▶ Division of Environmental Protection
- ▶ Division of Water Resources
- ▶ Division of Forestry
- ▶ Division of State Parks
- ▶ Division of State Lands
- ▶ Nevada Natural Heritage Program
  
- ▶ State Environmental Commission
- ▶ Board for Financing Water Projects
- ▶ Board to Review Petroleum Claims
- ▶ Land Use Planning Advisory Council
- ▶ Well Drills Advisory Board



## ORGANIZATIONAL CHANGES



DEPARTMENT OF  
**CONSERVATION &  
NATURAL RESOURCES**

- ▶ Elimination of Advisory Board on Natural Resources and State Conservation Commission
- ▶ Current agencies reduced
  - Agency sunset (Wild Horse)
  - Agency elimination (Conservation Districts)
- ▶ Governor recommended return to DCNR of State Historic Preservation Office and Division of Minerals/Commission on Mineral Resources
- ▶ Two current agencies to become 100% non-general fund
  - Environmental Protection
  - Natural Heritage

# Nevada Natural Heritage Program



Photo: Janel Johnson

## WHAT WE DO



Maintain comprehensive information on the locations, biology and conservation status of all endangered, threatened, sensitive and at-risk species.

*Administrator: Jennifer Newmark*



Photo: Teri Slatauski



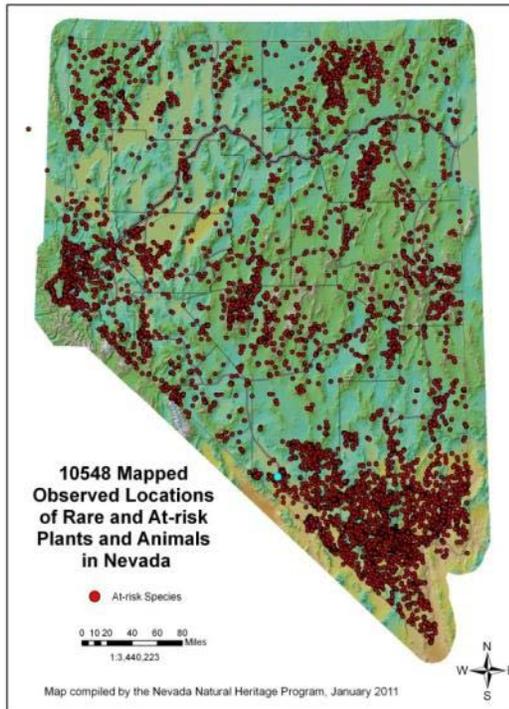
Photo: Tim Torell

## SPECIES RANKING



- ▶ 1. Imperiled
- ▶ 2. At risk
- ▶ 3. Rare or vulnerable
- ▶ 4. Secure with long term concern
- ▶ 5. Secure; widespread and abundant

*Administrator: Jennifer Newmark*



## Element Occurrence (EO) Data Request Report

2/10/2011

*Rallus longirostris yumanensis*  
Yuma Clapper Rail

**EO Number** 10

**EO Identification Confirmed** Y - Yes

Heritage Rank		USFWS Listed endangered		State Protected		BLM Nevada BLM Special Status Species		USFS Basic EO Rank	
G5T3	S1	Y	N	YES				E - Verified extant (viability not assessed)	
<b>EO Site Directions</b>									
<b>NNHP Survey Site:</b> Las Vegas Wash <b>County:</b> Clark <b>Easting:</b> 684743 <b>Northing:</b> 3996299 <b>NAD 27, Zone 11N</b> <b>Watershed(s):</b> 15010015 Las Vegas Wash <b>EO General Directions:</b> 2005: Las Vegas Wash, Big Marsh. <i>Source features may have additional directional information</i>									
<b>Summary EO Survey Information</b>									
<b>Most Recent Survey Date</b>		<b>First Observation Date</b>		<b>Last Observation Date</b>					
2005-05-23		2005-05-23		2005-05-23					
<b>EO Summary Data</b> 2005: One individual detected, heard continuous "kek kek kek kek" call for roughly 3-4 minutes. Bird was never visually observed.									
<b>Basic EO Rank:</b> E - Verified extant (viability not assessed)									
<b>EO Rank Date:</b> 2005-05-23									
<b>EO Rank Comment:</b>									
<b>Source Features (SF) - Observations within EO</b>									
<b>SF ID</b>	<b>Descriptor</b>	<b>Locational uncertainty (meters)</b>	<b>ID Confirmed:</b>	<b>Type of Observation (if applicable):</b>					
8825	Las Vegas Wash, N06SWC01NVUS	200.00	Yes-Confirmed						
<b>Directions:</b> Las Vegas Wash, Big Marsh.									
<b>Date Observed:</b> 2005-05-23		<b>Observed by:</b> SWCA		<b>Observation Data:</b> 2005: One individual detected, heard continuous "kek kek kek kek" call for roughly 3-4 minutes. Bird was never visually observed.					
<b>SF Site Description:</b> 2005: area referred to as Big Marsh, dominated by cattail, bulrush (<i>Scirpus</i> spp.), and common reed.									
<b>SF Protection Comments:</b>									
<b>SF Management Needs:</b>									
<b>SF General Comments:</b> 2005: Call was emanating from the area referred to as Big Marsh, which is generally thought to be the best rail habitat in the Park, in terms of both quality and quantity, though it is, at best, marginal.									
<b>SF Easting:</b> 684743.05		<b>SF Northing:</b> 3996299		<b>General EO Information</b>					
<b>General EO Description:</b> 2005: area referred to as Big Marsh, dominated by cattail, bulrush (<i>Scirpus</i> spp.), and common reed.									
<b>Min. Elevation</b>	<b>feet</b>	<b>meters</b>	<b>Max. Elevation</b>	<b>feet</b>	<b>meters</b>	<b>EO Observed Area</b>	<b>acres</b>	<b>hectares</b>	
<b>Management Comments</b>									
<b>Protection Comments</b>									
<b>EO General Comments:</b> 2005: Call was emanating from the area referred to as Big Marsh, which is generally thought to be the best rail habitat in the Park, in terms of both quality and quantity, though it is, at best, marginal. <i>Reference Citation and/or specimen information are available upon request.</i>									

## TRACKING



- ▶ 266 plants, mosses and lichens
- ▶ 168 invertebrates
- ▶ 122 vertebrates
- ▶ 186 additional species on watch list

Administrator: Jennifer Newmark



Photo: Tim Torell

## PROVIDING DATA



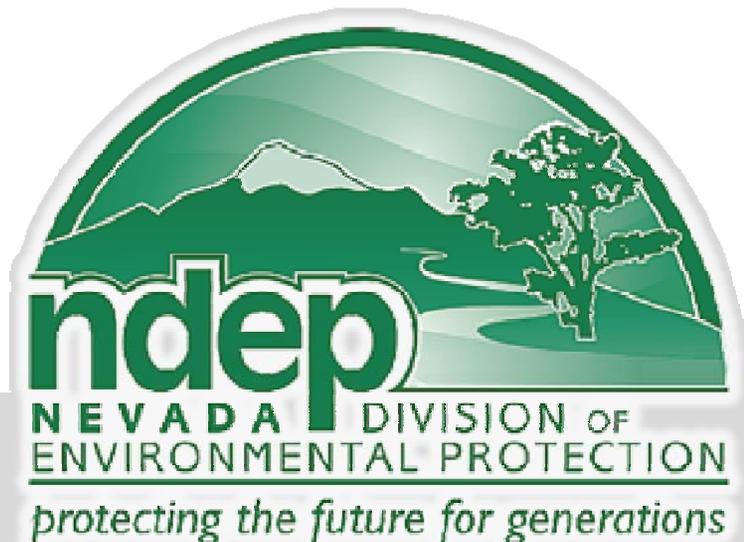
- ▶ Scientifically objective data
- ▶ Environmental review services
- ▶ Expert biological knowledge
- ▶ Partnerships

*Administrator.* **Jennifer Newmark**

# Division of Environmental Protection



## WHAT WE DO

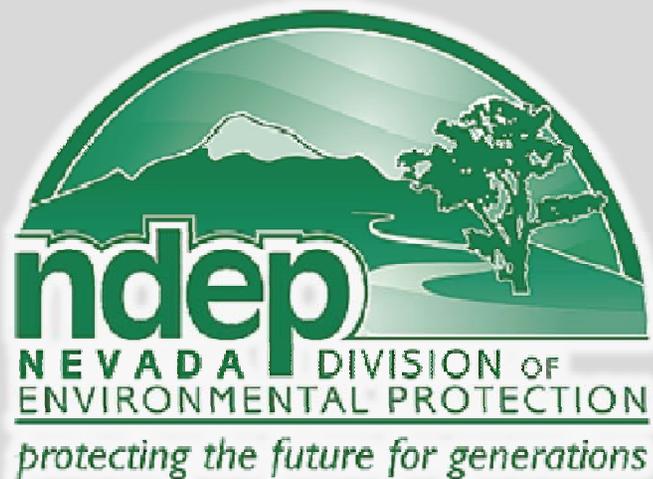


Preserve and enhance Nevada's environment to protect public health, sustain healthy ecosystems and contribute to a vibrant economy.

*Administrator: Dr. Colleen Cripps*



## HEALTHY AIR QUALITY AND MINIMIZE CHEMICAL ACCIDENTS



- ▶ Monitoring
- ▶ Permitting
- ▶ Inspections
- ▶ Enforcement
- ▶ Planning
- ▶ Industry partnerships

*Administrator: Dr. Colleen Cripps*

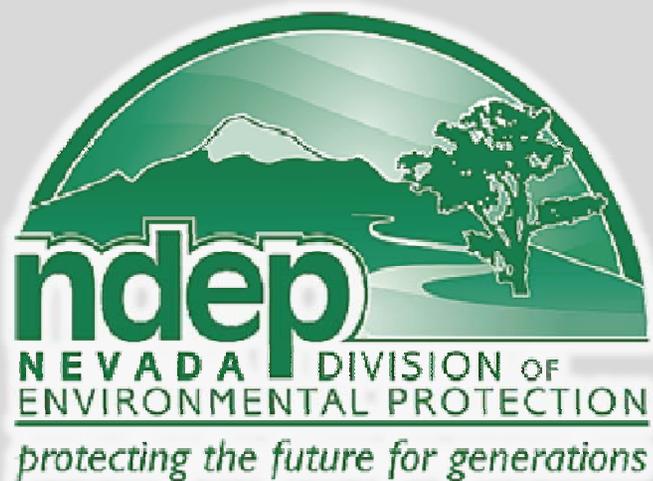


Reid-Gardner Power Plant



Blue Mountain Geothermal, Humboldt County

## IMPLEMENT STATE PROGRAM IN LIEU OF FEDERAL INVOLVEMENT

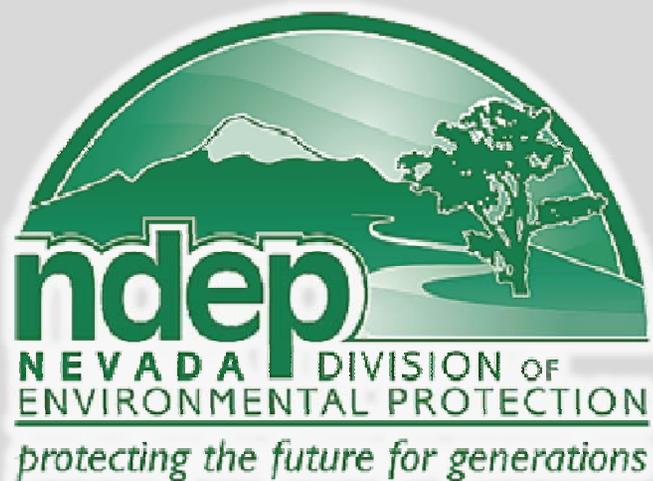


- ▶ Timely permitting
- ▶ Local expertise
- ▶ Enhanced field presence

Administrator: Dr. Colleen Cripps



## FUTURE AIR QUALITY CHALLENGES



► New federal requirements will result in...

- New Non-Attainment Areas
- Thousands of new permits being issued
- Industries facing regulation that NDEP has not previously regulated

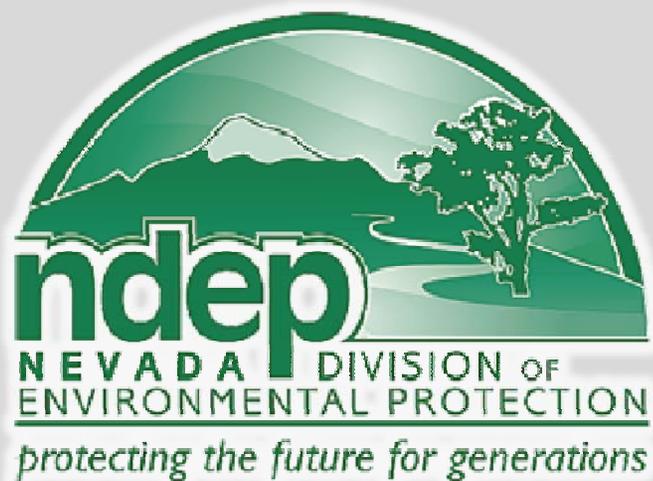
*Administrator: Dr. Colleen Cripps*

Rolling A Ranch, Dayton



Before After

## HEALTHY STATE WATERS

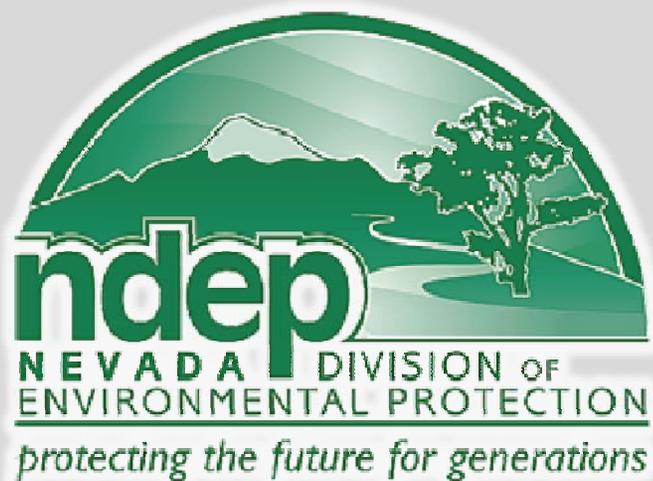


- ▶ Healthy watersheds and habitats
- ▶ Water quality standards
- ▶ Statewide planning
- ▶ Finance drinking water and waste water infrastructure
- ▶ Traditional regulatory approaches in lieu of EPA

Administrator: **Dr. Colleen Cripps**



## HEALTHY STATE WATERS – CHALLENGES

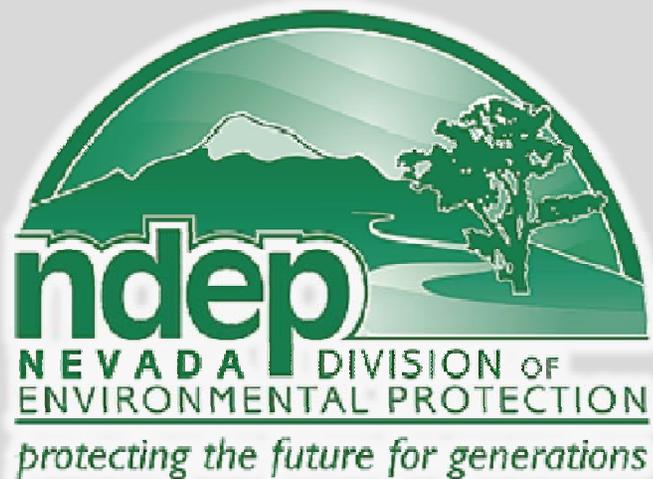


- ▶ Arsenic standard
- ▶ Emerging contaminants
- ▶ Perchlorate
- ▶ Tahoe standards

Administrator: **Dr. Colleen Cripps**



## ENSURE SAFE MANAGEMENT OF SOLID AND HAZARDOUS WASTE



- ▶ Permitting
- ▶ Inspections
- ▶ Enforcement
- ▶ Regulatory authority in lieu of EPA
- ▶ Reduce, reuse and recycle

*Administrator: Dr. Colleen Cripps*

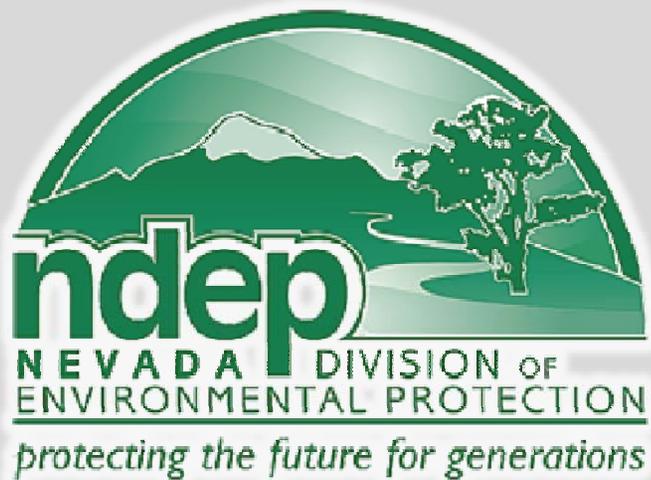
Sleeper Mine, Humboldt County



Before After



**MINING INDUSTRY**

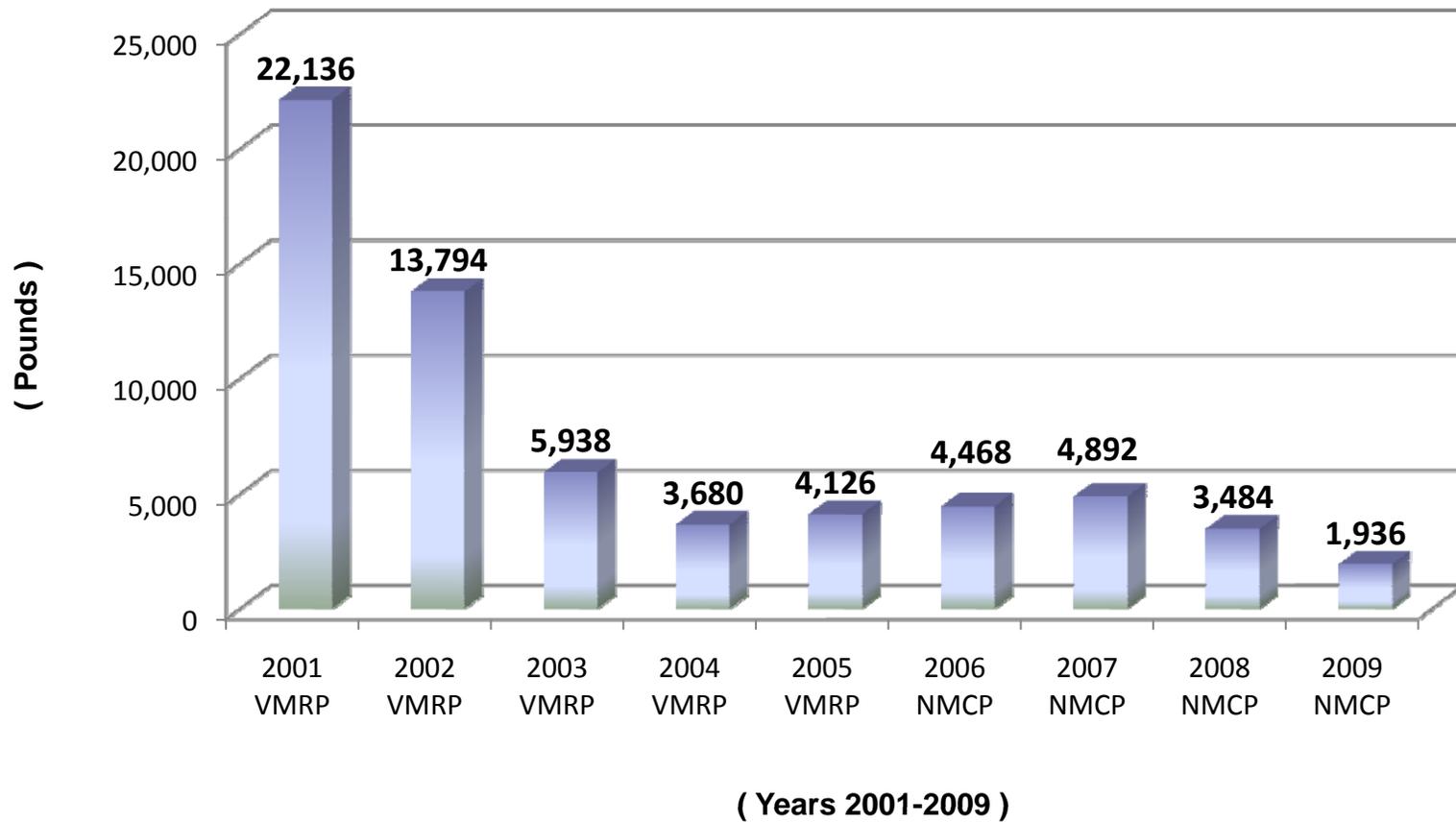


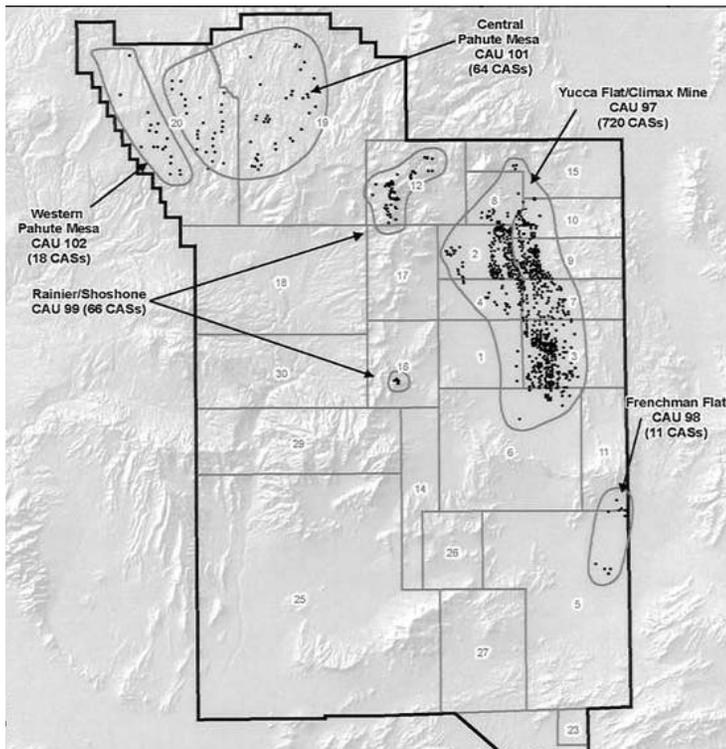
- ▶ State only regulations
- ▶ Water protection
- ▶ Reclamation and bonding
- ▶ Nevada Mercury Control Program

*Administrator: Dr. Colleen Cripps*

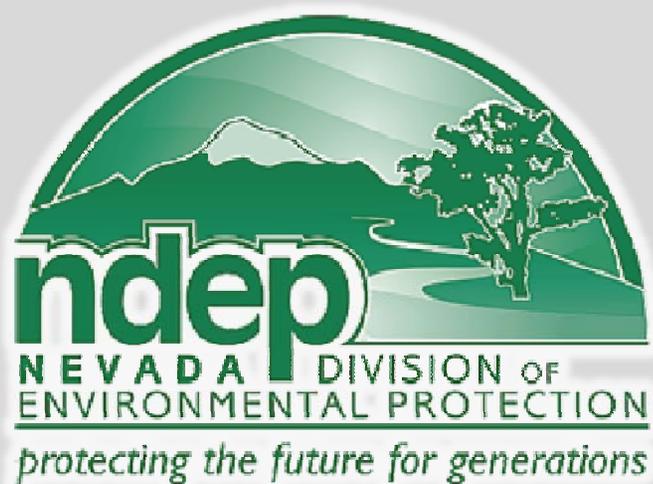
# Nevada Mining Mercury Emissions

Pounds of Mercury Emitted to the Air Annually





## REGULATION OF NNSS (FORMERLY NEVADA TEST SITE)



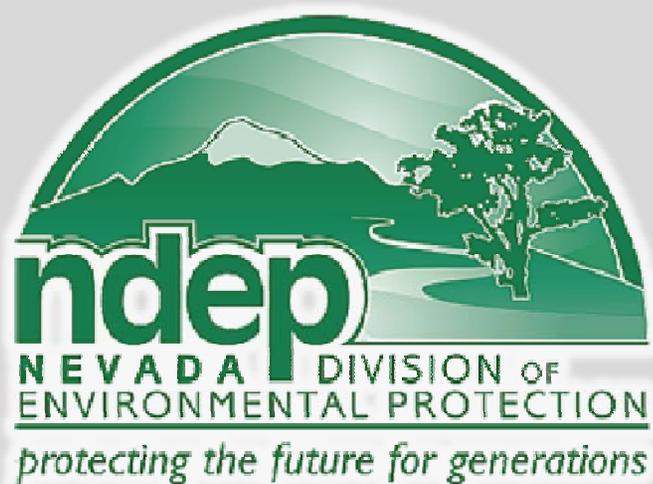
- ▶ Characterize contaminant migration from nuclear testing
- ▶ Remediation of industrial sites at NNSS
- ▶ Soil characterization
- ▶ LLW and mixed waste disposal oversight

Administrator: Dr. Colleen Cripps

## Maryland Square PCE Plume, Las Vegas



## ENVIRONMENTAL CONTAMINATION ASSESSMENT AND CLEANUP

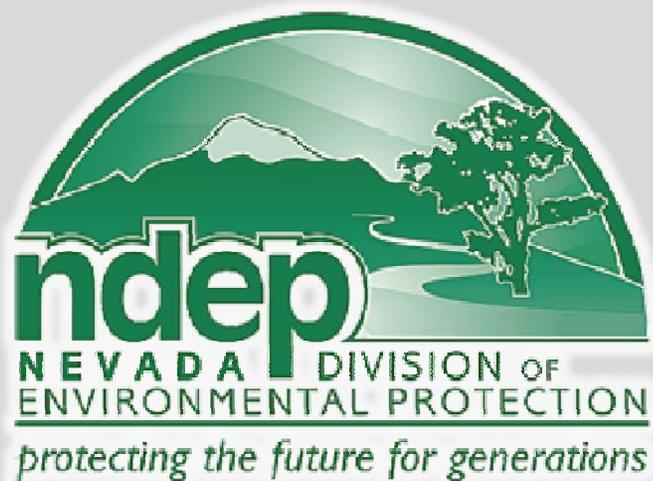


- ▶ Investigation and cleanup
- ▶ Underground storage tank regulation
- ▶ Petroleum Fund for cleanup of USTS

Administrator: Dr. Colleen Cripps



## EDUCATION AND OUTREACH

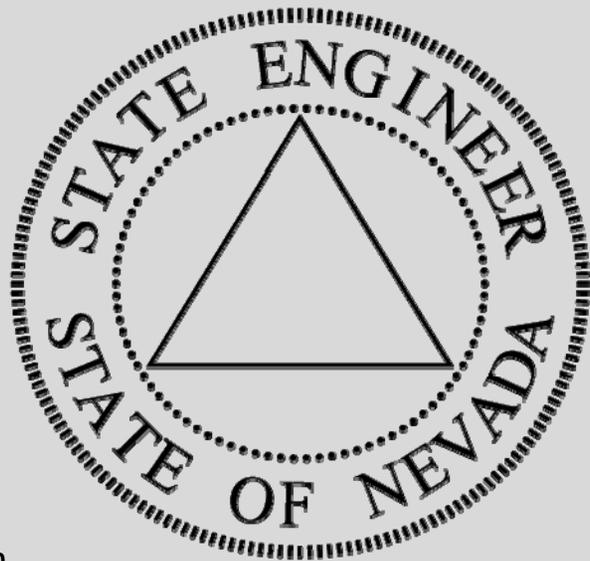


- ▶ Project W.E.T.
- ▶ Grant Funding for Environmental Education
- ▶ Recycling
  - [www.recycling.gov](http://www.recycling.gov)
  - Recycling Hotline: (800) 597-5865
  - E-waste Initiative
  - School District Partnerships

*Administrator: Dr. Colleen Cripps*

# Division of Water Resources

## WHAT WE DO

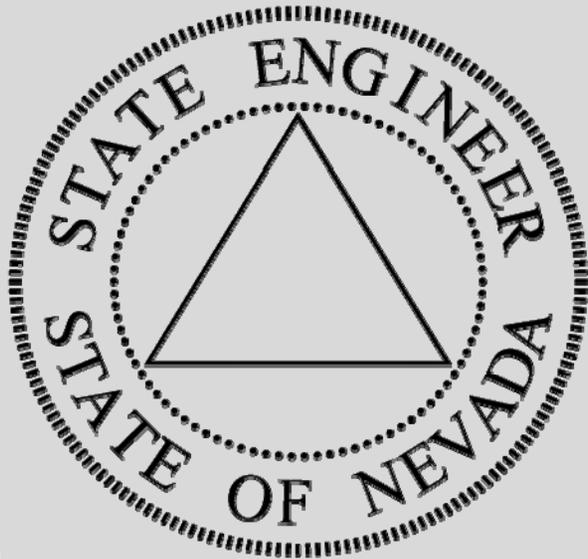


Conserve, protect, manage and enhance the state's water resources for Nevada's citizens through the appropriation and reallocation of public waters.

*State Engineer: Jason King*



## DAM SAFETY

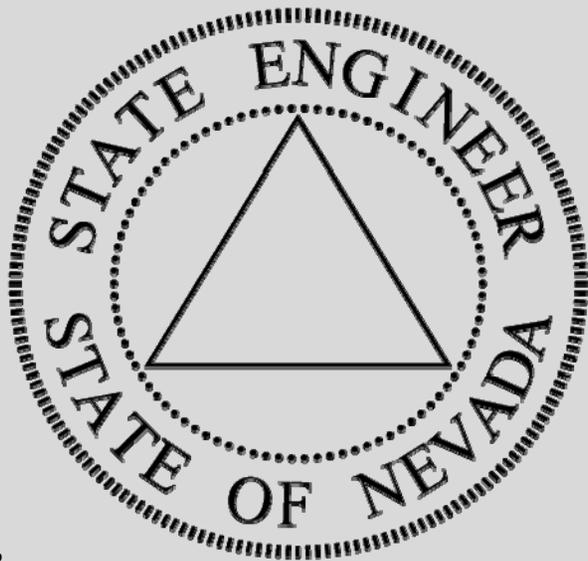


- ▶ Review dam designs
- ▶ Inspect during / after construction
- ▶ Emergency response

*State Engineer: Jason King*



## WATER PLANNING AND FLOODPLAIN MANAGEMENT

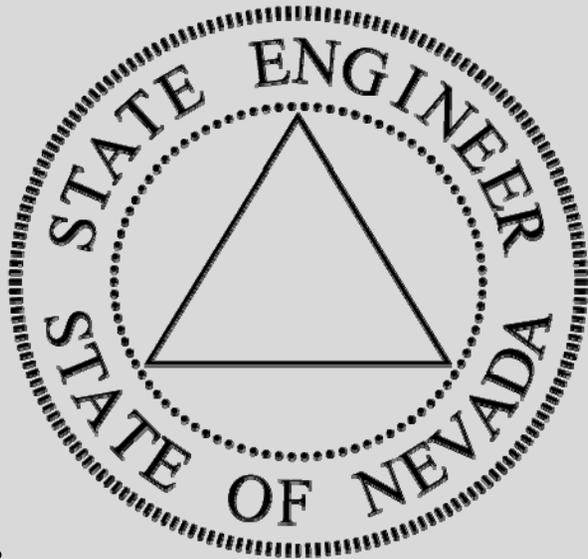


- ▶ Review water conservation plans
- ▶ Oversee fines and penalties
- ▶ Coordinate flood mitigation
- ▶ Manage Community Assistance Program

*State Engineer: Jason King*



## WELL DRILLING

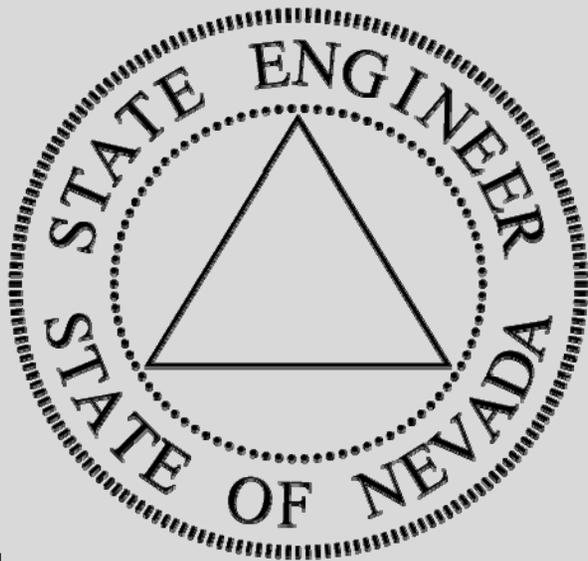


- ▶ License well drillers
- ▶ Field inspections
- ▶ Review well logs
- ▶ Update well drilling regulations

*State Engineer: Jason King*



## INFORMATION TECHNOLOGY

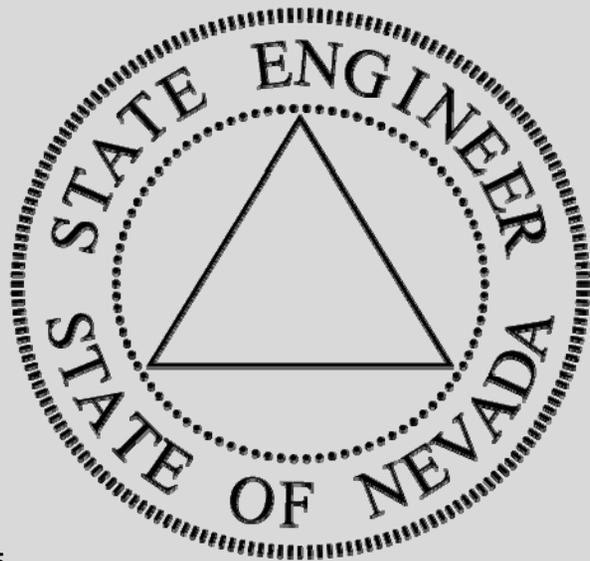


- ▶ Water data online
  - Water rights
  - Well logs
  - Rulings, orders, permits
- ▶ Water depths
- ▶ Water right support maps

*State Engineer: Jason King*



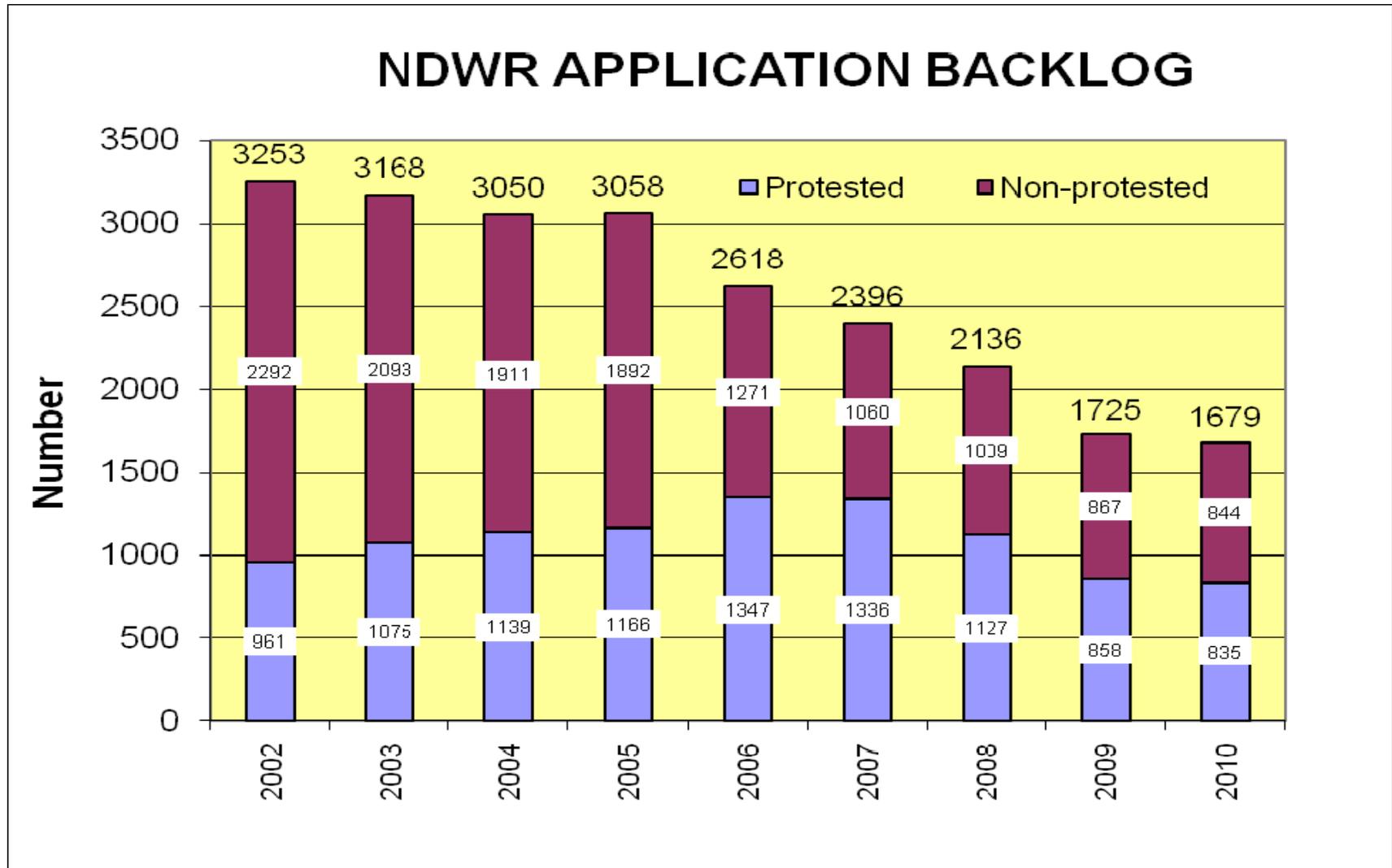
## PROGRAM ISSUES



- ▶ Interbasin transfers
- ▶ Renewable energy
- ▶ Walker Lake
- ▶ Litigation
- ▶ Applications backlog

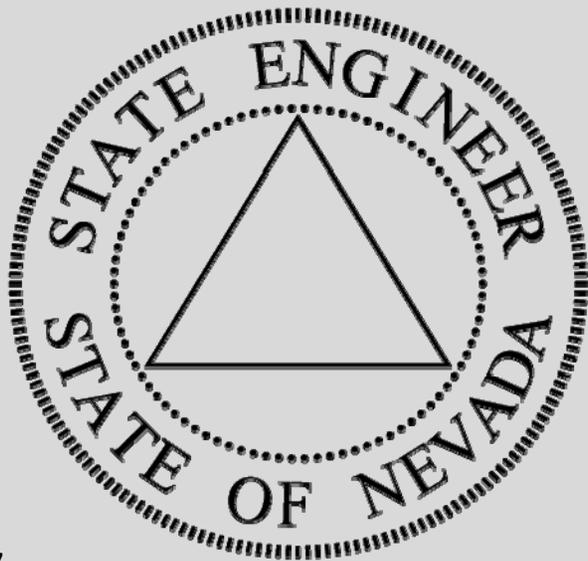
*State Engineer: Jason King*

# Backlog Status





## PROGRAM ISSUES

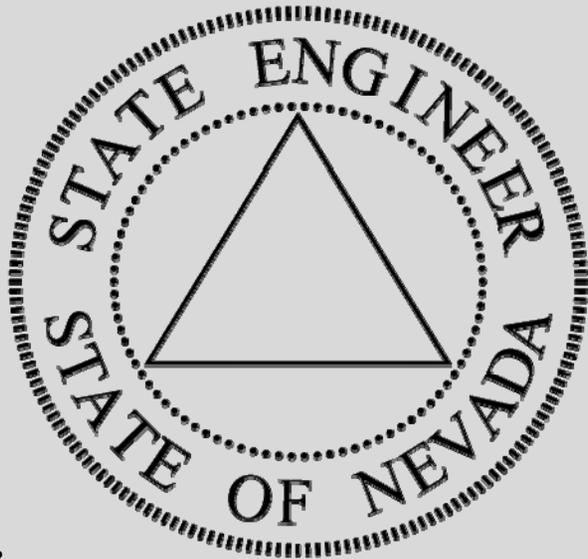


- ▶ Water law language
- ▶ Fee changes, agriculture rights
- ▶ Over-appropriated basins
- ▶ Pit lake evaporation

*State Engineer: Jason King*



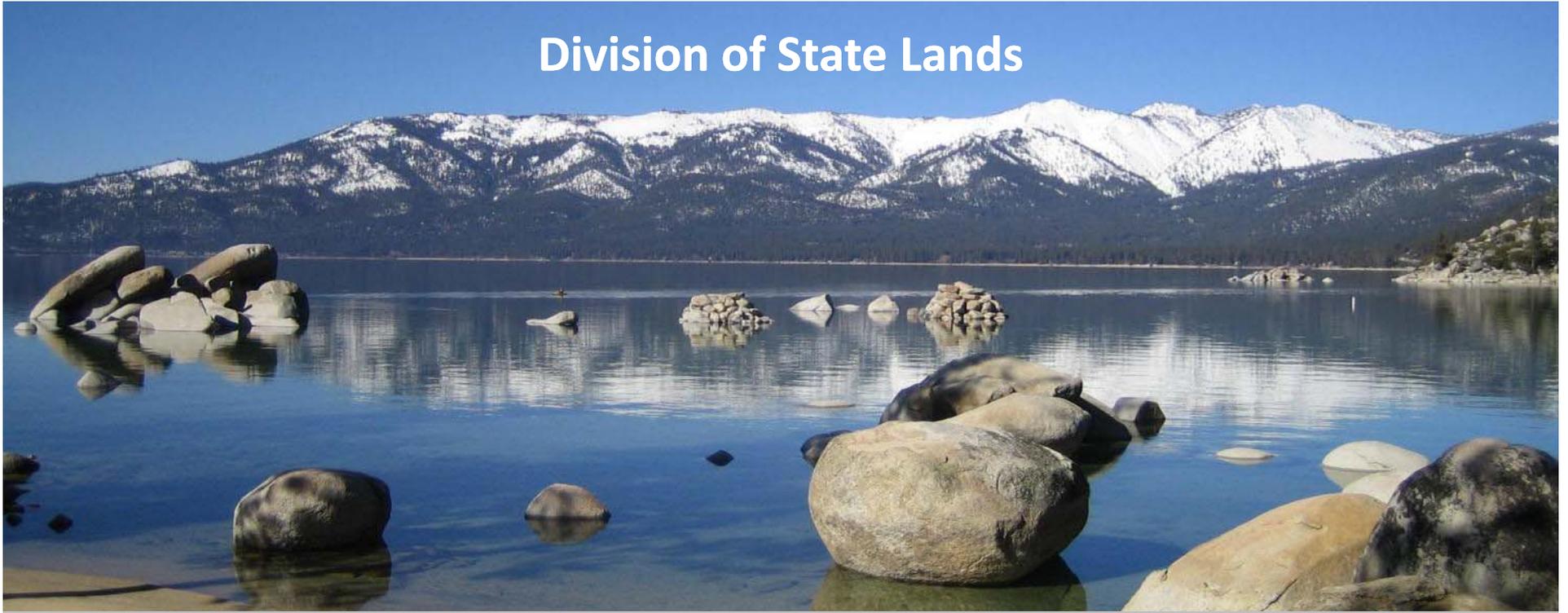
## BUDGET HIGHLIGHTS



- ▶ DOE GRANT
- ▶ Eight GF positions
- ▶ No vehicle replacements

*State Engineer: Jason King*

## Division of State Lands

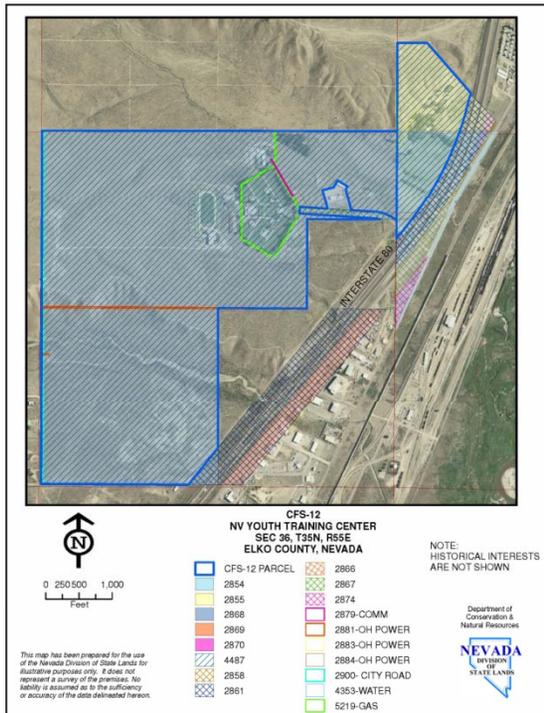


### WHAT WE DO



Uphold the conservation and land resource values of Nevadans through responsible land-use planning, resource programs that protect and enhance the natural environment and land stewardship.

*Administrator: Jim Lawrence*



158 DEED 272219

THIS INDENTURE made and entered into this 27<sup>th</sup> day of March, 1957, by and between JS BAR CATTLE COMPANY, a Nevada corporation, and HENRY E. HEIDENREICH, also known as HENRY HEIDENREICH, also known as H. E. HEIDENREICH, of Washoe County, Nevada, parties of the first part, and STATE BOARD OF FISH AND GAME COMMISSIONERS OF THE STATE OF NEVADA, party of the second part,

**W I T N E S S E T H**

that the said parties of the first part, in consideration of the sum of TEN DOLLARS (\$10.00), lawful money of the United States of America, to them in hand paid by the said party of the second part, the receipt of which is hereby acknowledged, do by these presents grant, bargain and sell unto the said party of the second part, that certain property situate in the County of Washoe, State of Nevada, particularly described as follows:

**In Township 16 North, Range 19 East, N.D.B.&M.:**

Section 11: Lot 4; 1/4 NE1/4; E1/2 NE1/4; fraction of E1/2 SW1/4 and NW1/4 SE1/4; EXCEPTING those portions conveyed to Washoe County, Nevada, by Deed dated October 3, 1930, recorded in Book 119 of Deeds, at page 106, and by deed dated July 1, 1936, recorded in Book 7 of Deeds, at page 413, Washoe County, Nevada records.

**In Township 17 North, Range 19 East, N.D.B.&M.:**

Section 24: SW1/4  
 Section 25: 1/2 NE1/4

TOGETHER WITH the covenants, servitudes and appurtenances thereto belonging or appertaining, and the reversion and reversions, remainder and remainders, rents, issues and profits thereof.

TO HAVE AND TO HOLD the said premises, together with the appurtenances, unto the said party of the second part forever.

IN WITNESS WHEREOF, the parties of the first part have executed this conveyance the day and year hereinabove first written.

JS BAR CATTLE COMPANY  
 By Ray Whitlock President  
 HENRY E. HEIDENREICH  
 Also known as Henry Heidenreich  
 HENRY HEIDENREICH  
 Also known as H. E. Heidenreich  
 H. E. HEIDENREICH

EMERSON J. WILSON  
 ATTORNEY AT LAW  
 WASHOE COUNTY, NEVADA

Together with all and singular the covenants, servitudes and appurtenances thereto belonging, or in any way appertaining.

To Have and to Hold the same, together with the appurtenances, unto the said H. E. Heidenreich and his successors as aforesaid, and heirs as aforesaid.

Do Delimiting Witness, I Samuel H. Knight, Judge and Justice of the Peace, and as such Judge and Justice have Deeds and Book 7 of Deeds, and with this five day of September A.D. 1957, Personal, with Hand and Sign of same.

Samuel H. Knight  
 District Judge of the County of Washoe, Nevada  
 State of Nevada, Justice

State of Nevada  
 County of Washoe }  
 On this fifth day of September A.D. 1957, before me, Judge and Justice of the Peace, personally appeared, Samuel H. Knight, District Judge of the County of Washoe, State of Nevada, and Justice for the City of Carson City, he declared in the written conveyance, personally known to me to be the same person described in and who executed the foregoing instrument as such Judge and Justice, and who acknowledged to me that he as such Judge and Justice executed the same freely and voluntarily, and for the use and behoof of the parties mentioned.

Witness my hand and official Seal, the date hereof, at Carson in this State of Nevada.

Joseph S. Hart-D  
 Notary Public  
 State of Nevada

Endorsed and sealed H. Knight, Justice of the Peace, Washoe County, Nevada, this 5<sup>th</sup> day of September, 1957, at 10 O'Clock A.M. and signed in Book 7 of Deeds, page 413 of the Washoe County Land Records.

Samuel H. Knight  
 Justice of the Peace

## MAINTAIN LANDS AND RECORDS



- ▶ Historic land patent records
- ▶ Recording land transactions
- ▶ Construction certification

Administrator: Jim Lawrence

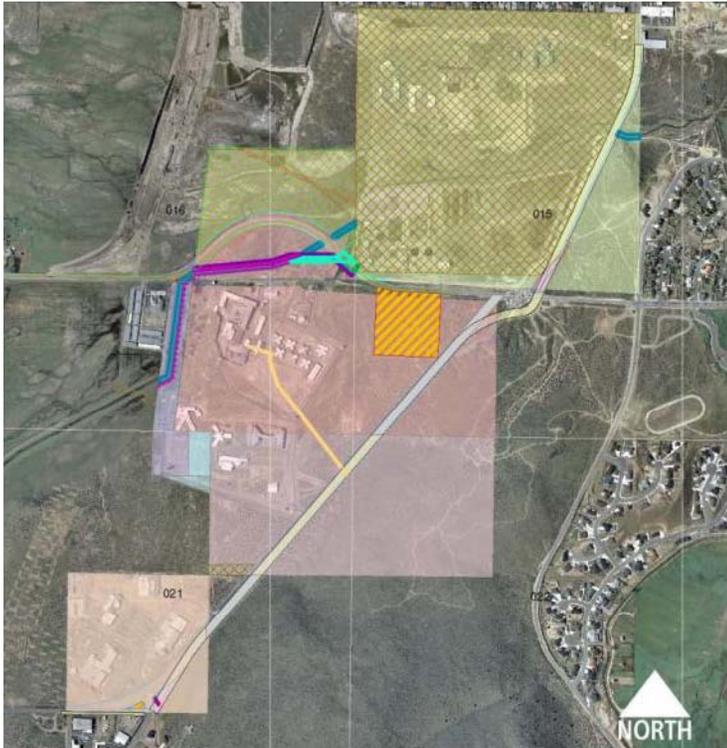


## SECURE LANDS FOR STATE AGENCIES



- ▶ Acquires land or interests
- ▶ Land exchanges
- ▶ Acquisitions

*Administrator: Jim Lawrence*



**NEVADA STATE PRISON  
PRIS-1  
SEC 15,16, 21 & 22, T 15 N, R 20 E**

	3642 LEASE TO NG		5590-NDOT ROE
	3630-LEASE FOR PRKG		5596-ROAD
	3623-ROAD		5597-GAS
	3628-SEWER		5614-GAS
	3637-ROAD		5600-UG UTILITIES
	3638-GAS		3371
	3639-SEWER		3626 DISP PORTION
	3640-SEWER		4701
	3641-POWER		3364
	3643-ROAD		3365
	4284-GAS		3368
	4285-GAS		3369
	4286-GAS		3370
	4589-SIDEWALK		3372
	4804-SEWER & H2O		3374
	480-TEMP CONST		3620
	4834-GAS		3624
	4835-GAS		3625
	4836-GAS		3632
	4861-GAS		3645
	4862-GAS		
	5406-FH H2O METER		
	5407-BACKFLOW ASMBLY		



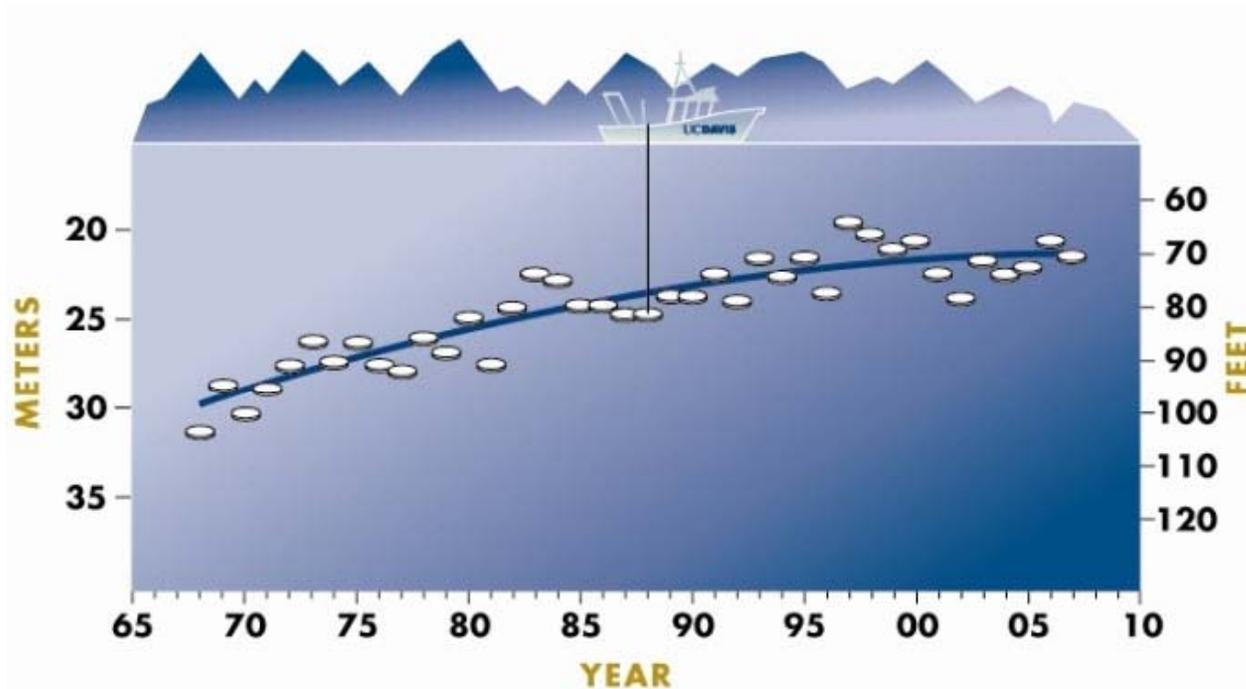
**AUTHORIZE USE OF STATE-OWNED LANDS**



- ▶ Easements
- ▶ Leases
- ▶ Disposal
- ▶ Navigable water permits
- ▶ Ensure full market value return

*Administrator: Jim Lawrence*





## LAKE TAHOE ENVIRONMENTAL IMPROVEMENT PROGRAM



- ▶ \$82M between 1996-2009
- ▶ \$100M authorized for '09-20
- ▶ 86 projects completed
- ▶ 26 in construction or planning
- ▶ Forest health and fire prevention
- ▶ Water quality
- ▶ Erosion control

*Administrator: Jim Lawrence*

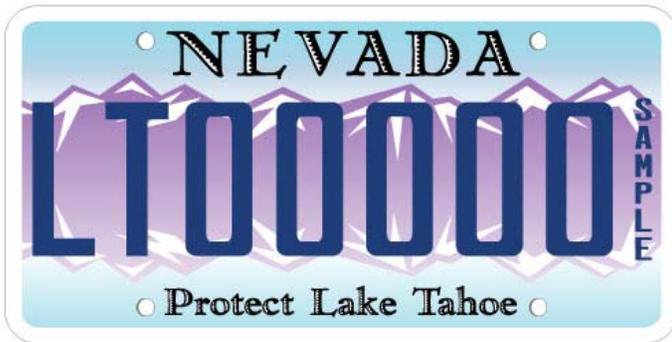


## Q1 RESOURCE AND CONSERVATION GRANT PROGRAM



- ▶ \$65.5M voter approved
- ▶ \$54M awarded
- ▶ 115 projects; 62 completed
- ▶ \$12M needed for nine projects

*Administrator: Jim Lawrence*



## LICENSE PLATE PROGRAM



- ▶ Tahoe
  - Preservation and restoration
- ▶ Mt. Charleston
  - Support of programs for the natural environment

*Administrator: Jim Lawrence*



## GAMING STRUCTURES AT TAHOE



- ▶ Review proposals
- ▶ Bi-state federal program

## Division of Forestry



### WHAT WE DO



Provide natural resource and fire services to enhance and protect forest, rangeland and watershed values; conserve endangered plants and other native flora; and provide effective statewide fire protection and emergency management.

*State Forester / Firewarden: Pete Anderson*



## FORESTRY & NATURAL RESOURCES



- ▶ Landowner assistance
- ▶ Watershed management
- ▶ Rangeland health
- ▶ Wildfire threat reduction
- ▶ Nursery and seedbank
- ▶ Urban and community forestry

*State Forester / Firewarden:* **Pete Anderson**



## CONSERVATION CAMPS



- ▶ 4,200 inmates trained
- ▶ Wildfire suppression
- ▶ Emergency response
- ▶ Conservation projects
- ▶ Maintain state vehicles
- ▶ Revenue targets / grants

*State Forester / Firewarden: Pete Anderson*



## WILDFIRE MANAGEMENT



- ▶ Comprehensive management
- ▶ Initial attack
- ▶ First responder
- ▶ Assistance to governments
- ▶ Emergency response
- ▶ Neighboring states

*State Forester / Firewarden: Pete Anderson*



### “All-RISK” EMERGENCY SERVICES



- ▶ Three NRS 473 fire districts
- ▶ Emergency services
- ▶ Vehicle accidents
- ▶ Haz-mat incidents
- ▶ Structure fires
- ▶ Natural disasters

*State Forester / Firewarden: Pete Anderson*



## EMERGENCY RESPONSE SUPPORT SERVICES



- ▶ Support to emergency responses
- ▶ Statewide radio system
- ▶ Vehicle fleet
- ▶ Fire vehicle and heavy equipment management
- ▶ Emergency response training

*State Forester / Firewarden: Pete Anderson*



## ADMINISTRATION AND FISCAL SERVICES



- ▶ Program direction
- ▶ Strategic planning
- ▶ Joint emergency responses
- ▶ Safety and training
- ▶ Fiscal services and reporting
- ▶ Fire billings

*State Forester / Firewarden: Pete Anderson*



## BUDGET HIGHLIGHTS



- ▶ Closures
  - Wells Conservation Camp
- ▶ Consolidation of two dispatch centers
  - Minden Interagency into Elko Interagency
- ▶ Position eliminations
  - Senior management, clerical, camp and dispatch
- ▶ Transition “All-Risk” responsibilities
  - Elko, Eureka, Mt. Charleston
- ▶ Establish voluntary Wildland Fire Protection Program

*State Forester / Firewarden: Pete Anderson*

# Nevada State Parks



## WHAT WE DO



Plan, develop and maintain a system of parks and recreation areas for the use and enjoyment of residents and visitors; and to preserve areas of scenic, historic and scientific significance in Nevada.

*Administrator: David Morrow*



## STATE BENEFITS – ECONOMIC



- ▶ University study
- ▶ \$62M to state and local economies
- ▶ 4,500 jobs generated
- ▶ \$180M economic impact
- ▶ Valley of Fire – private sector benefit of \$11M

*Administrator: David Morrow*



## STATE BENEFITS – SOCIAL



- ▶ Protect unique natural and cultural resources
- ▶ Affordable family recreation
- ▶ Physical activity
- ▶ Access to unique areas
- ▶ Opportunities for events

*Administrator. David Morrow*



## VISITOR EXPERIENCES



- ▶ Visitation constant
  - 3 million visitors
  - Despite increased fees
  - Despite 60% GF reductions
- ▶ 90% rank experience good to excellent

*Administrator: David Morrow*



## SMALL BUSINESS AND NON-PROFIT BENEFITS



- ▶ Scenic Las Vegas Weddings
- ▶ Pink Jeep Tours
- ▶ Char-Pit Sand Harbor
- ▶ Spooner Cross Country
- ▶ Ely Rotary Club
- ▶ Lake Tahoe Shakespeare

*Administrator: David Morrow*



## BUDGET IMPACTS



- ▶ Recognize need to reduce GF
- ▶ Operating by
  - Reducing employees (19 permanent and 62 months of seasonal employment)
  - Reorganized division
  - Increased fees

*Administrator. David Morrow*

# Nevada State Parks | 2011 Calendar



## BUDGET IMPACTS



- ▶ Reduced travel
- ▶ Videoconferencing
- ▶ Corporate donations
- ▶ Internet marketing
- ▶ Special programs

*Administrator: David Morrow*



## BUDGET HIGHLIGHTS



- ▶ Enterprise fund
- ▶ Vacation cabin rentals
- ▶ BOR grant
- ▶ Eliminate positions
- ▶ Reduce seasonal employees

*Administrator. David Morrow*