

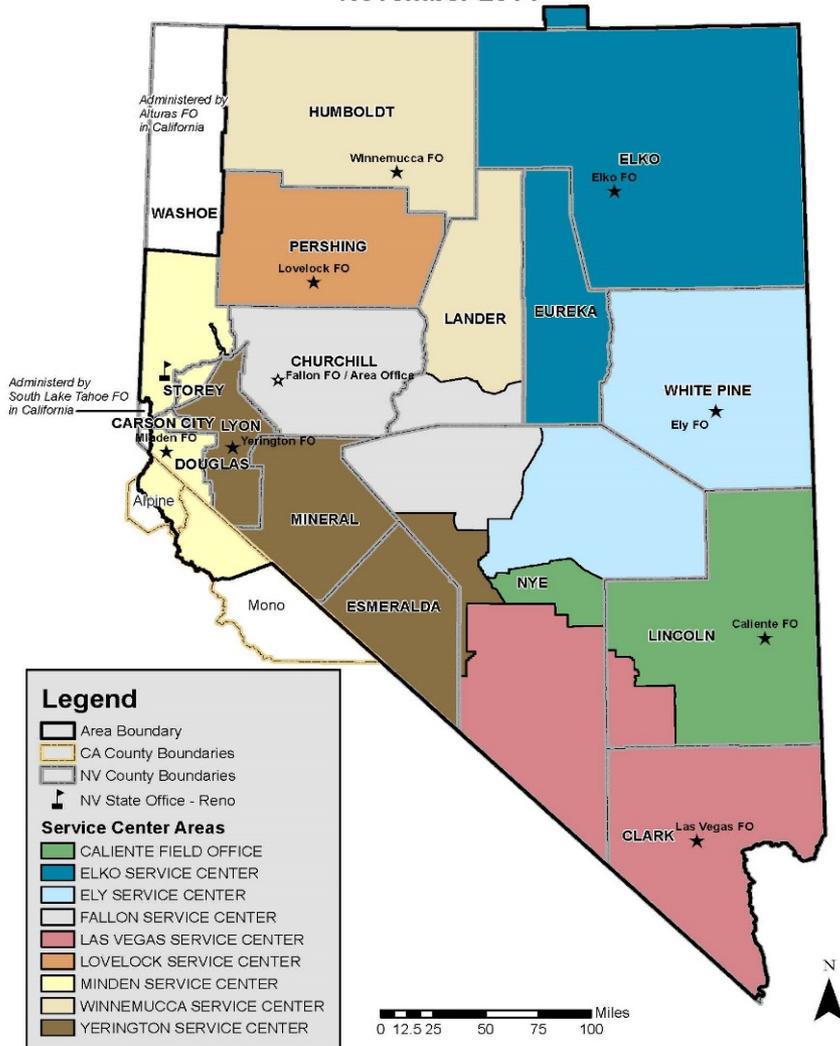
Technical Service Provider's State Specific Training Module for Nevada



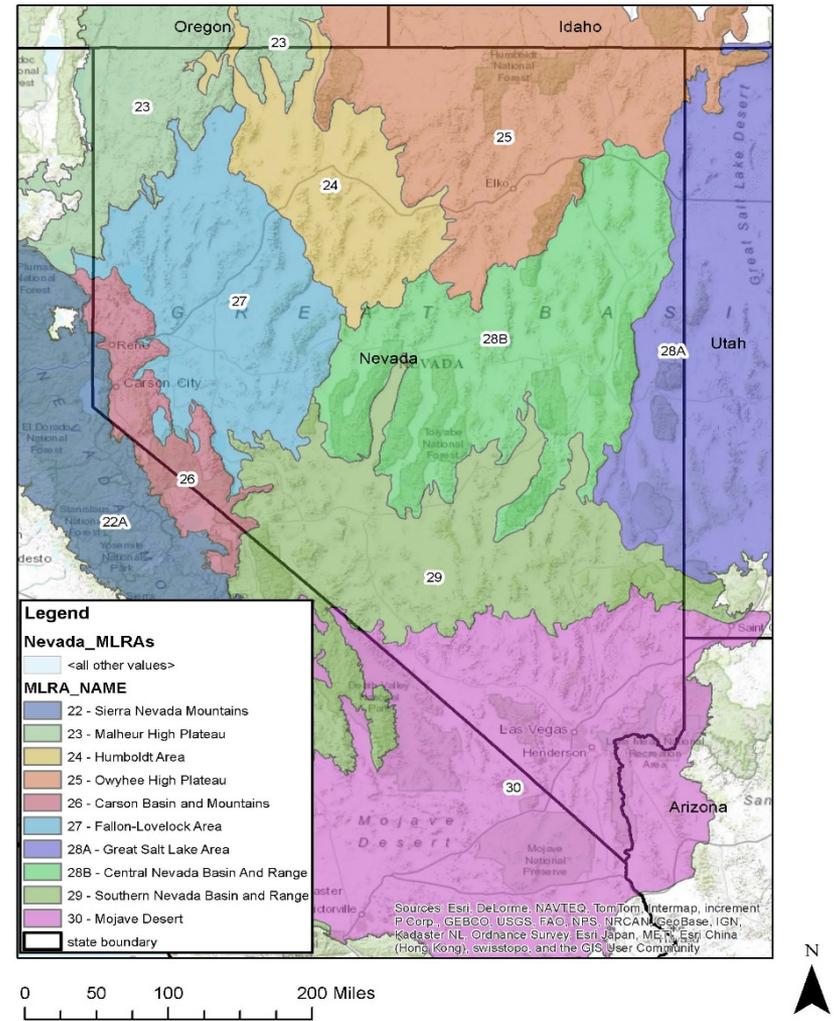
Purpose of this Module

This module will provide some general information that TSPs need to conduct conservation planning in Nevada. This information is general in nature so the TSP may need to follow up with additional reading or training to make sure they have the knowledge, skill, licenses and certifications to conduct conservation planning in this state.

Nevada NRCS Field Office Service Areas
November 2014



Nevada MLRAs

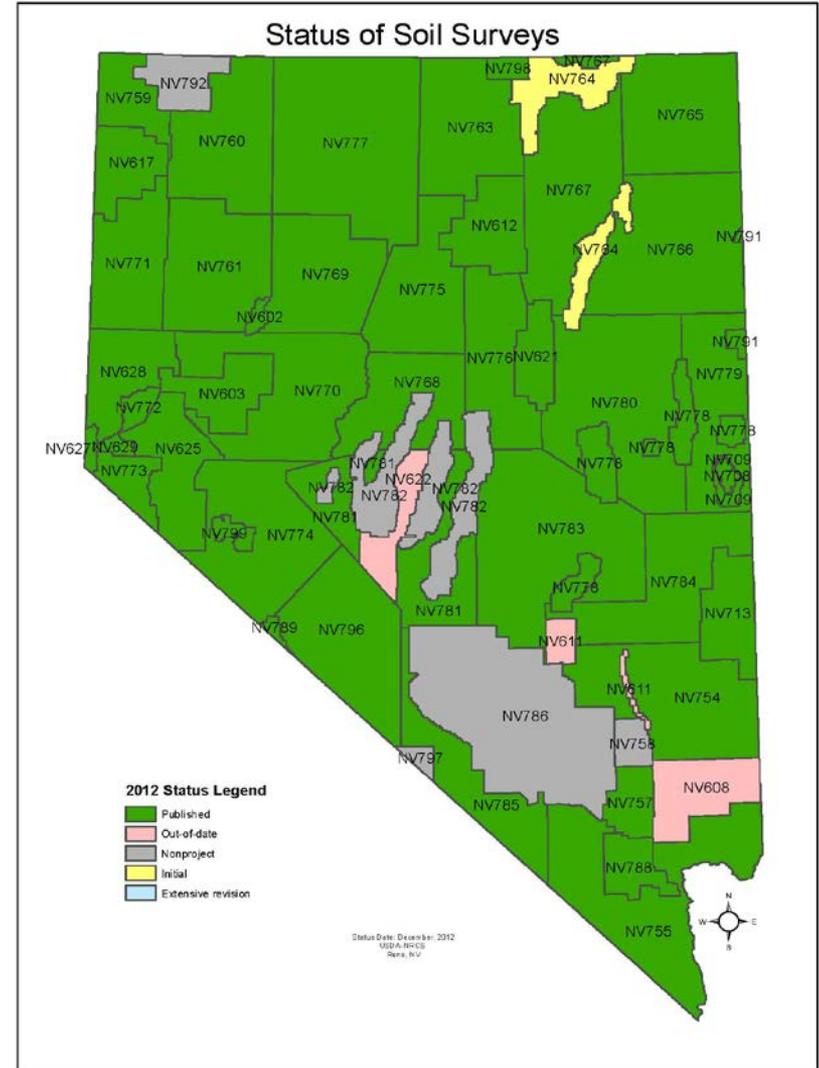


Major Resource Concerns – Vary by MLRA

- Water quality and quantity
 - Cropland 859,400 acres (1982) > 691,600 acres (2012)
- Plant health & vigor- Drought; Wildfires: 1999 – 1.9 million, 2006 - 1.5 million; Invasive annual plants – cheatgrass, red brome; Pinyon/juniper expansion; Feral horses/burros
- Wind erosion – abandoned farm land; wildfire areas



| SSA ID | Area Name |
|--------|--|
| NV602 | LOVELOCK AREA, NEVADA, PARTS OF PERSHING AND CHURCHILL COUNTIES |
| NV603 | FALLON- FERNLEY AREA, NEVADA, PARTS OF CHURCHILL, LYON, STOREY AND WASHOE COUNTIES |
| NV608 | VIRGIN RIVER AREA, NEVADA AND ARIZONA |
| NV611 | PAHRANAGAT-PENOYER AREAS, NEVADA, PARTS OF LINCOLN AND NYE COUNTIES |
| NV612 | TUSCARORA MOUNTAIN AREA, NEVADA, PARTS OF ELKO, EUREKA AND LANDER COUNTIES |
| NV617 | SURPRISE VALLEY-HOME CAMP AREA, CALIFORNIA-NEVADA |
| NV621 | DIAMOND VALLEY AREA, NEVADA, PARTS OF ELKO, EUREKA AND WHITE PINE COUNTIES |
| NV622 | BIG SMOKY VALLEY AREA, NEVADA, PART OF NYE COUNTY |
| NV625 | LYON COUNTY AREA, NEVADA |
| NV627 | Tahoe Basin Area, California and Nevada |
| NV628 | WASHOE COUNTY, NEVADA, SOUTH PART |
| NV629 | CARSON CITY AREA, NEVADA |
| NV708 | HUMBOLDT NATIONAL FOREST, NEVADA |
| NV709 | HUMBOLDT NATIONAL FOREST, NEVADA |
| NV713 | MEADOW VALLEY AREA, NEVADA, PART OF LINCOLN COUNTY |
| NV754 | LINCOLN COUNTY, NEVADA, SOUTH PART |
| NV755 | CLARK COUNTY AREA, NEVADA |
| NV757 | DESERT NATIONAL WILDLIFE REFUGE AREA, NEVADA, SOUTH PART |
| NV758 | DESERT NATIONAL WILDLIFE REFUGE AREA, NEVADA, NORTH PART |
| NV759 | WASHOE COUNTY, NEVADA, NORTH PART |
| NV760 | HUMBOLDT COUNTY, NEVADA, WEST PART |
| NV761 | PERSHING COUNTY, NEVADA, WEST PART |
| NV763 | NORTHWEST ELKO COUNTY AREA, NEVADA, PART OF ELKO AND EUREKA COUNTIES |
| NV764 | HUMBOLDT NATIONAL FOREST AREA, NEVADA, NORTH PART, PARTS OF ELKO AND WHITE PINE COUNTIES |
| NV765 | ELKO COUNTY, NEVADA, NORTHEAST PART |
| NV766 | ELKO COUNTY, NEVADA, SOUTHEAST PART |
| NV767 | ELKO COUNTY, NEVADA, CENTRAL PART |
| NV768 | LANDER COUNTY, NEVADA, SOUTH PART |
| NV769 | PERSHING COUNTY, NEVADA, EAST PART |
| NV770 | CHURCHILL COUNTY AREA, NEVADA, PARTS OF CHURCHILL AND LYON COUNTIES |
| NV771 | WASHOE COUNTY, NEVADA, CENTRAL PART |
| NV772 | STOREY COUNTY AREA, NEVADA |
| NV773 | DOUGLAS COUNTY AREA, NEVADA |
| NV774 | MINERAL COUNTY AREA, NEVADA |
| NV775 | LANDER COUNTY, NEVADA, NORTH PART |
| NV776 | EUREKA COUNTY AREA, NEVADA |
| NV777 | HUMBOLDT COUNTY, NEVADA, EAST PART |
| NV778 | HUMBOLDT NATIONAL FOREST, NEVADA, SOUTH PART, PARTS OF LINCOLN, NYE, AND WHITE PINE COUNTIES |
| NV779 | WHITE PINE COUNTY, NEVADA, EAST PART |
| NV780 | WESTERN WHITE PINE COUNTY AREA, NEVADA, PARTS OF WHITE PINE AND EUREKA COUNTIES |
| NV781 | NYE COUNTY, NEVADA, NORTHWEST PART |
| NV782 | TOiyABE NATIONAL FOREST, NEVADA, CENTRAL PART, PARTS OF EUREKA, LANDER AND NYE COUNTIES |
| NV783 | NYE COUNTY, NEVADA, NORTHEAST PART |
| NV784 | Lincoln County, Nevada, North Part |
| NV785 | NYE COUNTY, NEVADA, SOUTHWEST PART |
| NV786 | ENERGY AND DEFENSE AREA, NEVADA, PARTS OF CLARK, LINCOLN AND NYE COUNTIES |
| NV788 | LAS VEGAS VALLEY AREA, NEVADA, PART OF CLARK COUNTY |
| NV789 | INYO NATIONAL FOREST, NEVADA AND CALIFORNIA, EAST PART |
| NV791 | TOOELE AREA, UTAH - TOOELE COUNTY AND PARTS OF BOX ELDER, DAVIS AND HJAB COUNTIES, UTAH A |
| NV792 | SHELDON ANTELOPE REFUGE AREA, NEVADA, PARTS OF HUMBOLDT AND WASHOE COUNTIES |
| NV796 | ESMERALDA COUNTY, AREA, NEVADA |
| NV797 | DEATH VALLEY NATIONAL PARK, CALIFORNIA / NEVADA |
| NV798 | DUCK VALLEY INDIAN RESERVATION, IDAHO AND NEVADA |
| NV799 | HAWTHORNE AMMUNITION PLANT, NEVADA, PART OF MINERAL COUNTY |



Major Conservation Practices

- Irrigation Practices:
 - Irrigation System: sprinkler, surface/subsurface
 - Irrigation Pipeline
 - Field Ditch/Lining
 - Land Leveling
 - Pumping Plants
 - Structures for Water Control
- Brush Management
- Fence
- Range Planting
- Livestock Pipeline/Watering Facilities
- Prescribed Grazing
- Spring Developments
- Water Well
- Upland Wildlife Habitat Management

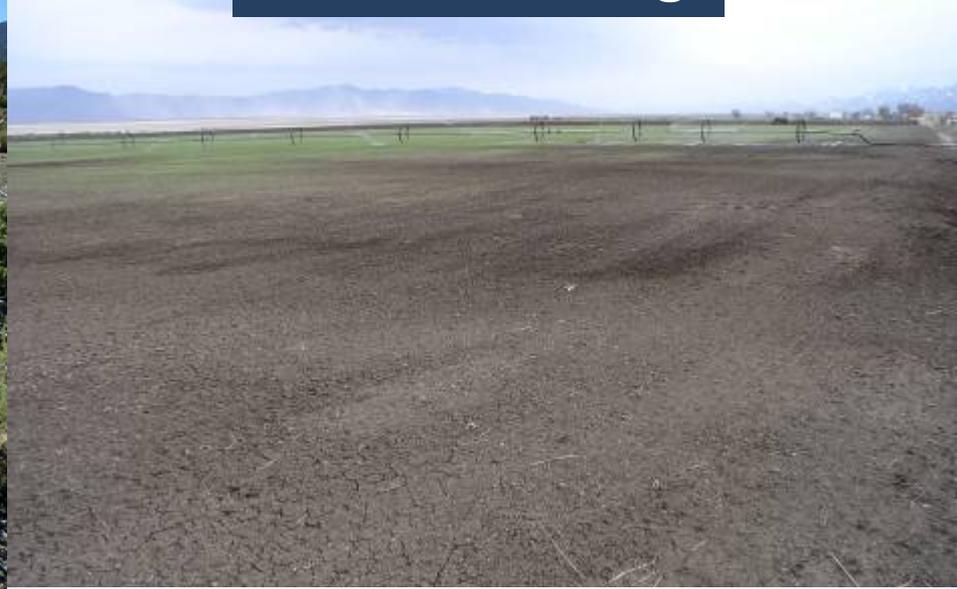


Irrigated Alfalfa under center pivots

Tree Removal - Mechanical



Pasture Planting



Fence



Chemical Brush Management





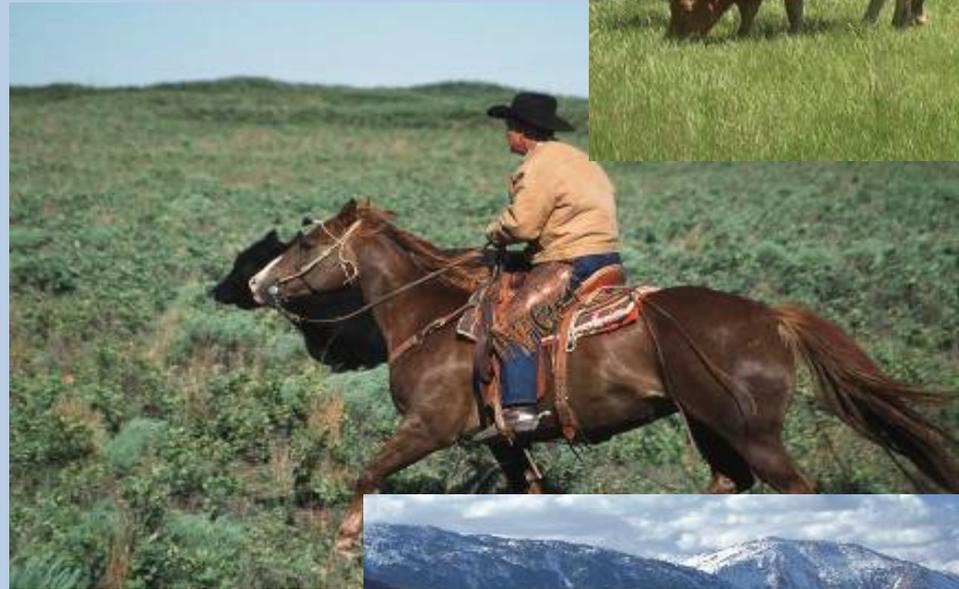
Mechanical Brush Management

**Leafy Spurge Control –
Prescribed Grazing**



Major Land Uses

- Rangeland: 81.7%
- Cropland: 13.2%
 - Harvested 62.2%
 - Pastured 30.7%
 - Idle 5.3%
 - Other 1.8%
- Other: 5.1%



Nevada Statistics

- Land Area – 70,264,320 acres, 7th largest state.
- Nevada is the driest state in the nation with less than 8 inches annual precipitation per year; all crops and pasture require irrigation.
- 10 Major Land Resource Areas.
- 86.1% Federally owned – Bureau of Land Management (BLM) & United States Department of Fish and Wildlife (USFS).
- 1.6% tribal – 28 federally recognized American Indian tribes and tribal bands:

<http://www.nevadaindianterritory.com/map/>

Nevada Statistics (Continued)

- 17 counties.
- 2,950 farms – average size 1,980 acres (2012).
- Population – 2,750,217 (2012).
- Clark County (Las Vegas Valley) – largest urban area: 1,988,195 residents; 600,000 tourists.

Farm Information – 2007 and 2012

Census

- Farms – 2,950 farms (2012)
- Land in farms – 5,840,000 acres (2012)
- Average size of farm – 1,980 acres (2012)
- Median size of farm – 51 acres (2007)
- Total cropland – 753,718 acres (2007)
 - Harvested cropland – 504,311 acres (2007)
 - Irrigated land – 691,030 acres (2007)

Agricultural Summary 2012

- All Hay - #1 crop: alfalfa, timothy, other grasses, sudan and grains (barley, oats, rye, triticale): 415,000 acres, Average: 3.6 ton/ac
- Alfalfa hay – 240,000 acres; 4.3 ton/ac
- Wheat-spring & winter – 23,000 acres, 109 bu/ac
- Corn silage – 8000 acres, 26 ton/ac
- Onions – fresh market use: 3500 acres, 810 cwt/ac
- Potatoes – fresh market use, 5100 acres, 470 cwt/ac (2009)

Total Cash Receipts, Percent by Commodity - 2012

- Meat Animals – 39.65%
- Feed Crops – 20.4%
- Dairy Products (milk): 17.4%
- Vegetables & Melons: 14.9%
- All Other Crops: 3.4%
- Misc. Livestock: 2.9%
- Food Grains (wheat): 1.1%
- Fruits & Nuts: 0.1%
- Poultry & Eggs: 0.1%

Livestock Summary 2012

- Beef cattle & Calves – 422,000 head
- Dairy cattle – 38,000 head
- Sheep & Lambs – 68,581 head
- Other Livestock:
 - Hogs & Pigs – 2700 head
 - Goats – 5000 head; (2 dairies)
 - Poultry, rabbits

Review of State Laws

Cultural Resources

- Burial Law (Protection of Indian Burial Sites (Nev. Rev. Stat. Ann. § 383.160).—This law covers human remains found on private and state lands in Nevada:
<https://www.leg.state.nv.us/NRS/NRS-383.html>
- All cultural resource compliance certifications in Nevada will be completed by the NRCS State Cultural Resource Specialist (SCRS); field work will be completed by approved personnel.
- For information concerning NRCS cultural resource work in Nevada contact the Nevada NRCS State Cultural Resource Specialist.

Nutrient Management

- This state requires that the competence of all nutrient management planners be certified by the Nevada Division of Environmental Protection.

Review of State Specific FOTG Requirements

Vegetative Practices

- Wind can be a major factor in establishing vegetation in this state. Seedings and plantings should be protected from the wind.
- Planting dates in the drier regions of the state should be delayed to September or later when it is more likely to receive rainfall.

Engineering

- State Statute NRS 625.050 when engineering license is need for planning conservation practices in Nevada.
- Contact the Nevada NRCS State Engineer for current listing of engineering practices requiring professional engineering licenses in the state of Nevada.

Review of Important Resource Issues

Threatened, Endangered, & Candidate Species

- A candidate species of upland bird, the Greater Sage grouse, is common in the Northern 2/3 of the state. Along the California Nevada state line there is also a separate Distinct Population Segment of Greater Sage grouse. The bird may be present on hay, pasture, or range land; uses and impacts to the species should be a consideration when planning within this area. Contact the NRCS State Biologist or the Nevada Department of Wildlife Department for additional information on planning consideration for the Greater Sage grouse.
- Lahontan cutthroat trout, a native fish species listed as threatened, are found in cold water streams, rivers, and lakes of Northern Nevada.
- Desert tortoise, a native reptile species listed as threatened, are found in the Mojave Desert area of Southern Nevada and spend up to 95% of their life underground.



Photo Credit: DTRO/USFWS



Photo by McEwan



USFWS-Illustration by Joseph R. Tomelleri

Sources of Species Information in Nevada

- **USFWS Endangered Species -Nevada Protected Species:**
http://www.fws.gov/nevada/protected_species/index.html
- **Nevada Natural Heritage Database:** <http://heritage.nv.gov/>
- **The Nevada Wildlife Action Plan:**
http://www.ndow.org/Nevada_Wildlife/Conservation/Nevada_Wildlife_Action_Plan/
- **Nevada Department of Wildlife-Animal Information Data Base:**
http://www.ndow.org/Nevada_Wildlife/Animals/



USDA Photo



Nevada Department of Wildlife Photo

Expected TSP Workflow

General

- The State Resource Conservationist (SRC) will be responsible for reviewing TSP conservation planning for the National Planner Certification.
- Subsequent conservation plans will be reviewed by the District Conservationist (DC) at the local USDA Service Center.
- The SRC will conduct plan reviews for TSP planner certification renewals.
- TSPs will work with the local District Conservationist to make sure the proper environmental evaluations (NRCS.CPA.52) are completed.

Additional References or Training

State Field Office Technical Guide:

- <http://www.nrcs.usda.gov/wps/portal/nrcs/site/national/home/>

Nevada Division of Water Resources:

- <http://water.nv.gov/waterrights/>

Nevada Department of Environmental Protection:

- <http://ndep.nv.gov/>

Nevada Department of Agriculture:

- <http://agri.nv.gov/>

Certificate of Completion

After viewing the State Specific Training module, please print and sign the completion certificate on the following slide.

The certificate is your acknowledgement that based on the information provided in this module, you have the proper knowledge, skills and ability to conduct planning in this state.

Send the signed certificate to the State TSP Coordinator. Copy the below link to your browser for a list of State TSP Coordinators.

<https://techreg.sc.egov.usda.gov/RptStateContact4Admin.aspx>

STATE SPECIFIC TRAINING MODULE COMPLETION CERTIFICATE

I, _____, hereby verify I have viewed and understand the
TSP Name
content of the Nevada State Specific Training Module and affirm I have the
knowledge, skills and ability to conduct conservation planning services in that
state.

TSP signature

Date

Non-Discrimination Statement

Non-Discrimination Policy

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To File an Employment Complaint

If you wish to file an employment complaint, you must contact your agency's EEO Counselor within 45 days of the date of the alleged discriminatory act, event, or in the case of a personnel action. Additional information can be found online at http://www.ascr.usda.gov/complaint_filing_file.html

To File a Program Complaint

If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form, found online at http://www.ascr.usda.gov/complaint_filing_cust.html, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9419, by fax at (202) 690-7442, or email at program.intake@usda.gov

Persons with Disabilities

Individuals who are deaf, hard of hearing or have speech disabilities and you wish to file either an EEO or program complaint please contact USDA through the Federal Relay Service at (800) 877-8339 or (800) 845-6136 (in Spanish).

Persons with disabilities, who wish to file a program complaint, please see information above on how to contact us by mail or by email. If you require alternative means of communication for program information (e.g., Braille, large print, audiotope, etc.), please contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

Supplemental Nutrition Assistance Program

For any other information dealing with Supplemental Nutrition Assistance Program (SNAP) issues, persons should either contact the USDA SNAP Hotline Number at (800) 221-5689, which is also in Spanish, or call the State Information/Hotline Numbers.

All Other Inquiries

For any other information not pertaining to civil rights, please refer to the listing of the USDA Agencies and Offices.