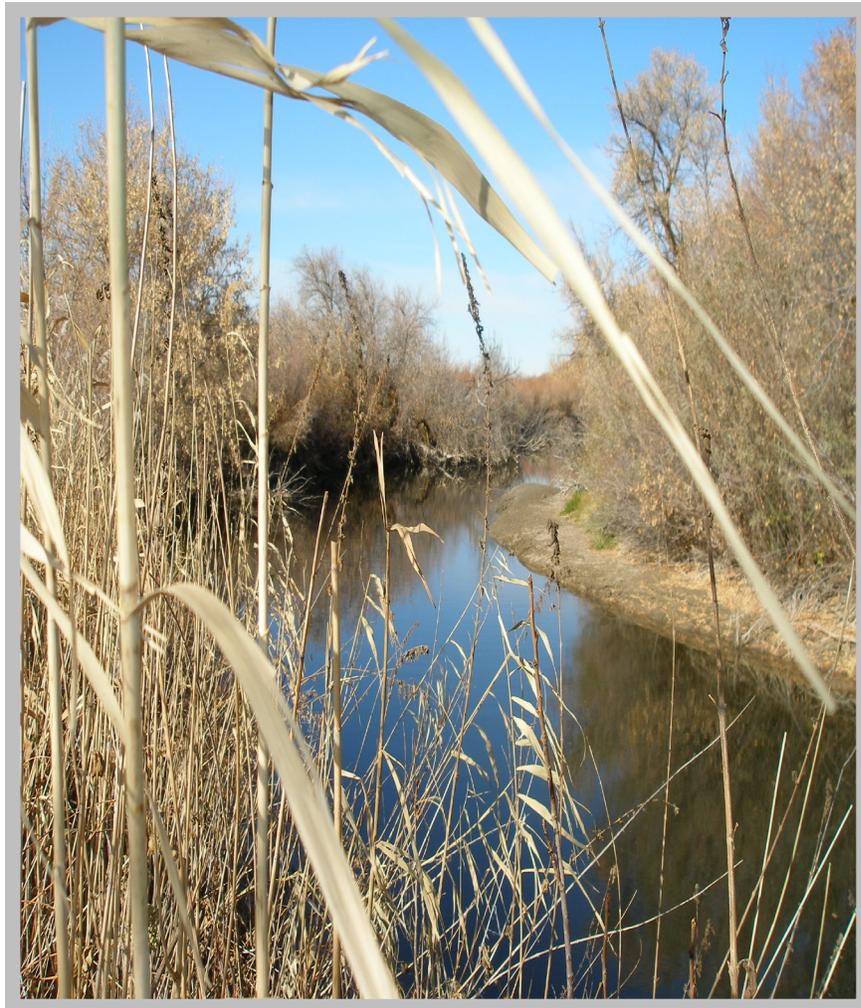


**ANTIDEGRADATION PLAN**  
**JULY, 2014 - JUNE, 2019**

**The Wood River  
Soil and Water  
Conservation  
District**



**217 West F Street – Shoshone Idaho 83352**  
**Revised 2--12-2014**

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## **EXECUTIVE SUMMARY:**

The Wood River Soil and Water Conservation District is one of 51 Conservation Districts in Idaho. Idaho Soil and Water Conservation Districts are political subdivisions of state government but are not state agencies. Conservation Districts are charged with carrying out a program for the conservation, use and development of soil, water, and other natural resources.

Conservation Districts are the primary entities to provide assistance to private landowners and land users in the conservation, sustainment, improvement and enhancement of Idaho's natural resources. They are catalysts for coordinating and implementing conservation programs, channeling expertise from all levels of government into action at the local level. Programs are nonregulatory; science-based technical assistance, incentive-based financial programs and informational and educational programs at the local level.

It is the goal of the Wood River SWCD to provide technical assistance to landowners and land users through Conservation District efforts. Each Conservation District in Idaho has a signed Mutual Agreement with the Secretary of Agriculture and the Governor of Idaho that establishes a framework for cooperation.

The Wood River SWCD provides an Annual Plan/Five-Year Resource Conservation Business Plan that is developed not only to guide the Conservation District, but also to encourage cooperation among landowners, government agencies, private organizations, and elected officials. Through knowledge and cooperation, all concerned can ensure a sustainable natural resource base for present and future generations in the Wood River Soil and Water Conservation District.

This document identifies the resource needs in the Conservation District and presents a resource conservation action plan for meeting these needs.

The Board of elected supervisors of the Wood River Soil and Water Conservation District on this the 30<sup>th</sup> day of March 2014, do hereby approve the following document known as the Resource Conservation Business Plan. This Plan will be in effect for a five-year period ending June 30, 2019 during which time it will be updated annually and/or amended, as necessary.

As evidence of our adoption and final approval, we do hereby affix our signatures to this document.

Carl Pendleton \_\_\_\_\_ Chairman  
Doug Albright \_\_\_\_\_ Vice-Chairman  
Buck Ward \_\_\_\_\_ Secretary/Treasurer  
Jeff Norman \_\_\_\_\_ Member  
Dan Durand \_\_\_\_\_ Member  
Kerry Thompson \_\_\_\_\_ Member  
Dan Van Der Meulen \_\_\_\_\_ Member

Barbara Messick \_\_\_\_\_ Administrative Assistant

#### Supporting Idaho Conservation Partners

Jeff Burwell \_\_\_\_\_ Natural Resources Conservation Service  
Terri Murrison \_\_\_\_\_ Administrator (Soil Conservation Commission)  
Benjamin Kelley \_\_\_\_\_ Idaho Association of Soil Conservation Districts

# **Wood River Soil & Water Conservation District** **Antidegradation Plan**

For More Information Contact: {Carl Pendleton}, {208-886-2580}

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## **Organization of the Wood River Soil & Water Conservation District**

A political subdivision of the State of Idaho – authorities, powers and structure contained in Soil Conservation District Law, Title 22, Chapter 27, and Idaho Code.

The District was organized in **September 10, 1943** to provide voluntary land and water conservation technical and financial assistance to landowners and uses within the Wood River SWCD boundary.

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## **Function of the Wood River Soil & Water Conservation District**

To make available technical, financial and educational resources, whatever their source, and focus or coordinate them so that they meet the needs of the local land manager with conservation of soil, water and related natural resources.

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## **Who We Serve & Why**

The people who want to make informed decisions on Natural Resources within the Wood River SWCD's District boundaries. To conserve the natural resources for beneficial and sustainable use and to inform everybody of

conservation opportunities that are available.

---

## **Mission of the Wood River Soil & Water Conservation District**

To Coordinate, Inform and Educate landowners of practices & opportunities that will enhance water quality, reduce soil erosion, protect riparian areas, and enhance wildlife habitat.

---

## **Vision of the Wood River Soil & Water Conservation District**

To assist landowners in solving conservation resource problems.

---

## **Values of the Wood River Soil & Water Conservation District**

- Sustainable use of natural resources.
  - Support for agricultural activity that uses sustainable, economical and feasible practices.
  - Value and respect for the Idaho Conservation Partnership.
  - Conservation education for adults and youth.
  - Coordination with agencies and land users in the conservation and sustainable natural resources.
-

## **Natural Resource Priorities and Goals:**

The following priorities and goals are examples. Each Conservation District should develop priorities and goals applicable to the natural resources issues in their District.

Priorities might include:

- Animal Waste Management\*
- Carbon Sequestration
- District Operations
- Fish and Wildlife \*
- Information and Education\*
- Irrigated Cropland
- Non-irrigated Cropland
- Pasture/Hayland
- Rangeland\*
- Recreation
- Riparian
- Urban
- Water Quality\*
- Water Resources (quantity)
- Woodland
- Other – District Determined



*ALL PHOTOS USED IN THE REPORT WERE TAKEN  
BY BABRARA MESSICK*

## **SOIL CONSERVATION DISTRICT EVALUATION:**

Through a Memorandum of Understanding the Natural Resources Conservation Service (NRCS) and the Conservation District maintain an office to provide technical assistance to landowners in Lincoln County. The office is located at 217 West F Street Shoshone, Idaho.

The District has a 7 – Member locally elected Board of Supervisors and employees an Administrative Assistant.

District Board of Supervisors Include: Carl Pendleton, Buck Ward, Dan Durand, Doug Albright, Jeff Norman and Dan Van Der Muelen. Administrative Assistant: Barbara Messick.

The District maintains a website and face book at:

[http://: www.wrsxcd.weebly.com](http://www.wrsxcd.weebly.com)

[Face book @ Wood River SWCD](#)

- Annual Budget Attached
- Annual Work Plan Attached
- List of District Partners Attached

### **USDA – Natural Resource Conservation Service**

The Natural Resources Conservation Service maintains the following staff in Shoshone or Lincoln County: District Conservationist- Patti Hurley, Soil Conservationist – Kevin Davidson, Soil Conservation Technician – Alan Monek.

### **SWC – Idaho State Soil Conservation Commission**

The Soil Conservation Commission has employed a new coordinator Rob Sharpnack who is housed in the Shoshone Field Office.

### **IDFG – STATE OF IDAHO FISH AND GAME**

The State of Idaho Fish and Game maintains the Clint Rasmussen- Mule Deer Program technician in Shoshone field office

Priorities and goals:

**1. WATER QUANTITY**

- Influencing landowners to cooperate in conserving water in sprinkler conversions.
- Working in cooperation with the Canal Co. on the Rye Grass Project.
- Dietrich Project 702 - Marley Project – Richfield Project.
- Working on grants to try to maintain a program coordinator.
- Continue to search for funding on the North Richfield Project while continue monitor.
- Promote and support cloud seeding and snow management.
- Attend the WAG as needed.

**2. WATER QUALITY**

- Diversion & Dam decommission on the Little Wood River.
- Commission, IASCD, NRCS & Gooding SCD.
- Thorn Creek WQPA cooperatively with Gooding SCD.
- Apply for funds and seek outside funding on the North Richfield Project while continue to monitor.
- Attend the WAG as needed.

**3. SPECIES OF CONCERN**

- To promote cost-share program in species of concern influence locally led groups to allocate funds for Rangeland improvement
- Work with BLM on weed control issues on public lands
- To promote stock water & cross fencing for better livestock management
- Develop a Land Use / Sage Grouse Plan & the Lincoln County commissioners adopted it as a resolution. Provide and be the Counties resource advisory group dealing with all natural resource concerns.
- To be pro-active in attending meetings, observing and educating in urban development.

**4. SOIL EROSION CONDITION**

- The goal is to increase knowledge base of landowners in dealing with animal waste.
- Seek alternative system for management of manure other than land application.
- To promote and support “SOIL HEALTH” attend workshops and learn more as needed.

## **5. GRAZING LANDS HEALTH**

- Seek installation of delivery system to conserve water.
- To enhance and conserve water for agriculture, wildlife and recreational purposes.
- To increase forage production and better utilize rangeland.
- To promote Sage Grouse Initiative (SGI) and other wildlife enhancements.
- To be a strong leader in grazing issues that affects our landowners.
- Promote and assist in a fire district & training Lincoln County.

## **6. WATER RESOURCES - RECHARGE**

- Facilitate and assist with landowners, canal co. and other agencies.
- Seek funding alternatives.
- Inform and Educate landowners.

## **7. DISTRICT PROCEDURES / INFORMATION AND EDUCATION**

- To operate as an effective and efficient subdivision of state government, increase the WRSCD information and education program awareness of natural resource with the quality of life in Lincoln County.

---

### **Critical Geographic Areas: (attached map)**

- **Wood River Conservation District Land Cover & Land Status Maps**

---

### **Information – Education Priorities and Goals:**

- By Mid April 5<sup>th</sup> grade students will have had the opportunity to participate in the conservation poster contest.
- By Late September all high school student will have the opportunity to participate in the WRSWCD speech contest.
- Tree Sale last weekend in April and completed by the end of May
- Promote Stewardship Week in April.
- Arbor Day Tree planting, Tree Workshops held in conjunction with Annual Tree Sale.
- By May all Conservation District cooperator addresses and files will be updated.
- Students taught about trees and the different species we sell at the Annual Tree Sale.

- Presentations and scholarships available for NRC camp.
  - Contribute to Forestry and Soil Contest.
  - Sponsor Envirothon team annually.
  - Continue to sponsor the Lincoln County Southern Idaho Bio Program or SIBC.
  - Work with Tri- County weeds, BLM , and Bug Crew to control noxious weeds in Lincoln County.
  - Continue to sponsor workshops when needed ( Community Weed Workshop - Feb. 14<sup>th</sup> 2014)
- 

### **District Operations Priorities, Goals:**

- Supervisor Training available!
  - In cooperation with other Conservation Districts develop and carry out an effective legislative outreach program to ensure 90% State matching funds for all Districts.
  - Conduct Conservation District elections in November 2014.
- 

### **Trends Impacting Conservation in the Wood River Soil & Water Conservation District**

- Urban impact on agriculture production.
  - Poorly planned urban growth in agricultural areas.
  - Increasing small acreage farms, five acres or less.
  - Limited availability of State funds for conservation.
  - Focus on water quality compared to other conservation and environmental issues.
  - Increased paper work to getting the job done.
  - Trends to regulate agriculture and ranching.
  - Poor weed control within the sub development areas.
- 

### **Strategies to Address Trends**

- Continue to apply for funding through grants and other opportunities.
- More education but not the usual – more outreach instead of publications.
- Determine opportunities to coordinate outreach activities with traditional and non-traditional partners.

- Raising awareness of conservation values with state legislature and elected officials – help decision makers be better informed.
- Strengthen Locally Led efforts.
- Supervisors become more informed on current issues impacting working lands, Farm Bill programs, Information from agencies. instead of relying on NRCS District conservationist.
- Determine how to become involved with County Planning and Zoning issues impacting natural resources.
- Map noxious and invasive weeds to more effectively target weed control efforts.
- Establish a data base to track resource conditions.
- Host an open house to make public aware of goals.
- Solicit input to improve Annual Plan/Five-Year Resource Conservation Business Plan.
- Take a proactive approach to funding water delivery systems on irrigated cropland.
- Identify the information methods to communicate with small land owners in the area.
- Sponsor project proposals with other districts.
- Training for District Supervisors and staff on new programs and administration for natural resources conservation.

### **Staffing Needs**

- Conservation District Manager with benefits.
- Full-time Conservation District Administrative Assistant with benefits.
- Conservation District Technician and Planner.

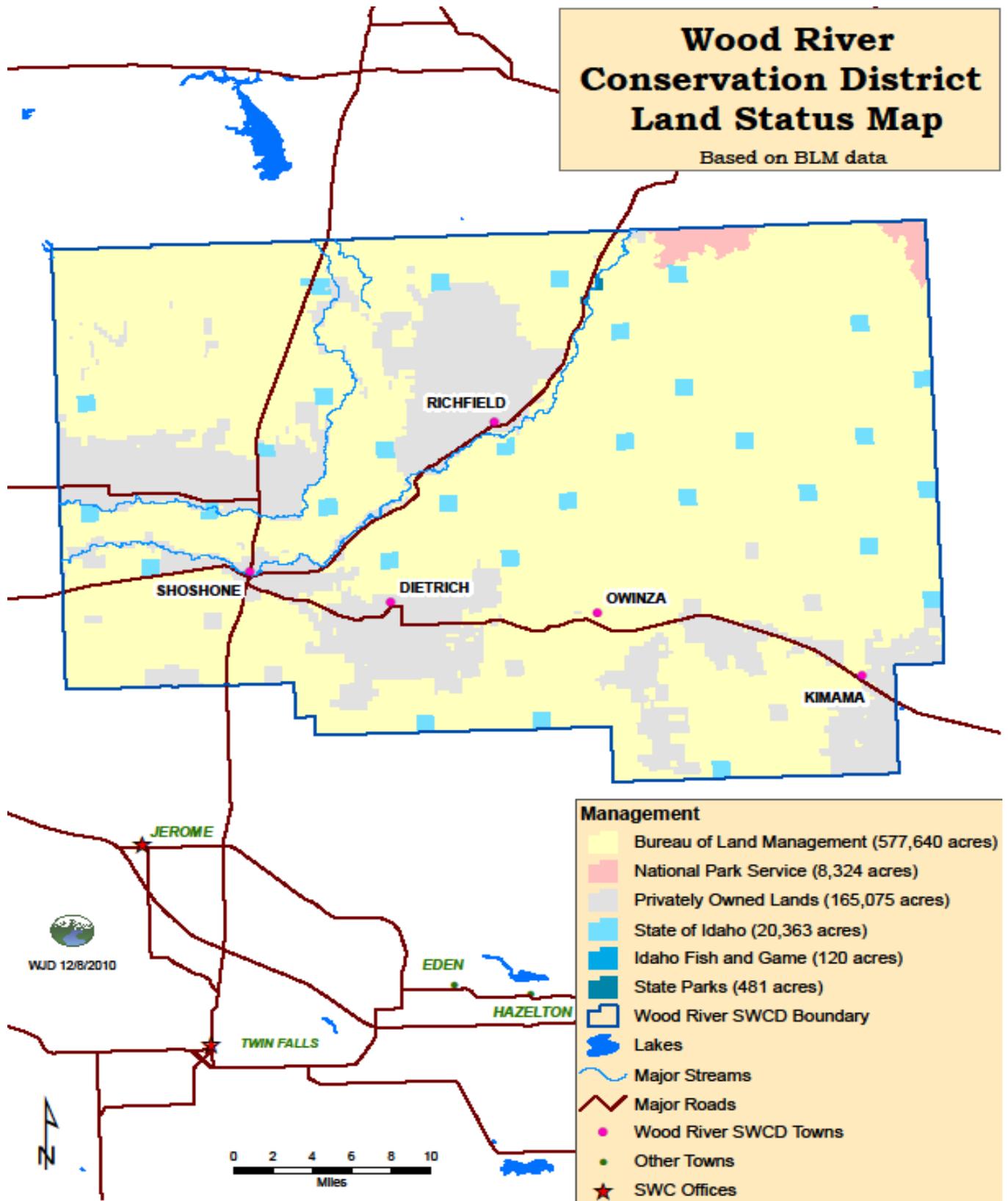
### **Key Decision Makers**

- Citizens in Conservation District
- Lincoln County Commissioners Board Members Chairperson , Marsha Hiatt, : Cresley McConnell-& Roy Hubert
- State legislators representing Conservation District: Senator, Michelle Stennett;
- Representative, Steve Miller; and Donna Pence, Representative
- University of Idaho Extension; Christy Falon

- Big Wood Canal Company - Lynn Harmon;
- 37 37M Water District – Kevin Lakey

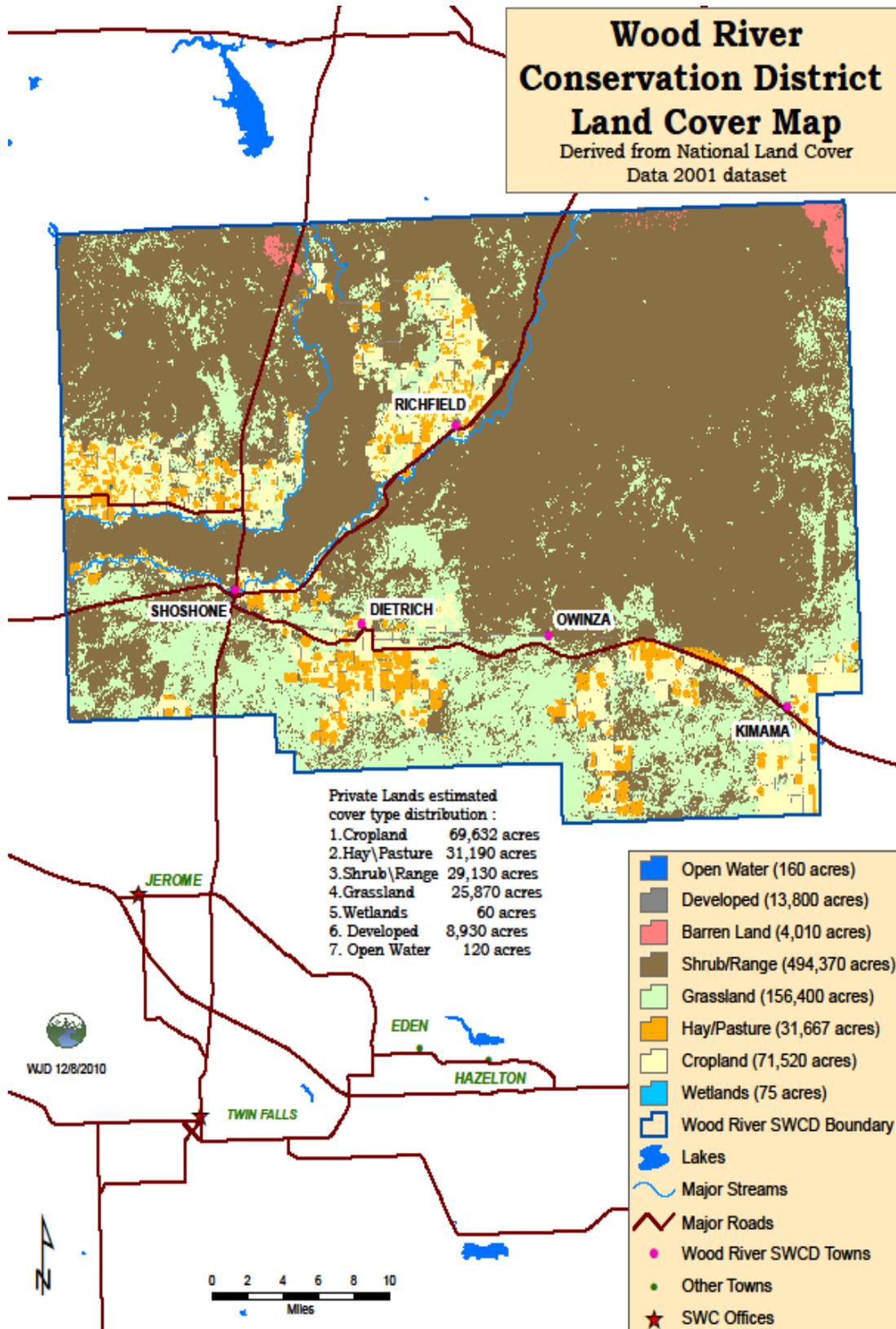
# Wood River Conservation District Land Status Map

Based on BLM data



# Wood River Conservation District Land Cover Map

Derived from National Land Cover  
Data 2001 dataset





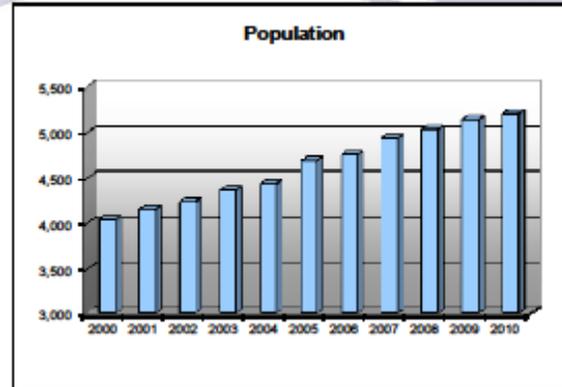
# Lincoln County

January 2012

## Work Force Trends

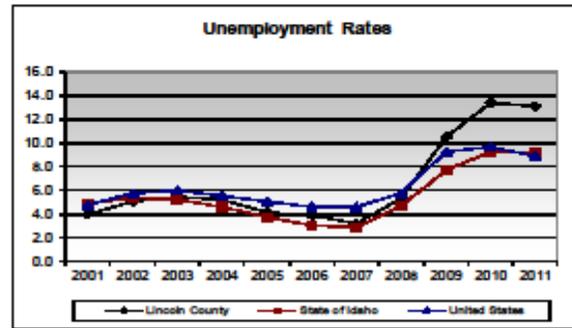
### Population

Lincoln County's population has risen 29 percent in the last 10 years, keeping pace with other growing counties in the region. The city of Shoshone, considered the gateway to Sun Valley, is the county seat with a population of 1,461. Lincoln County continues to rely on agriculture with several large scale dairies contributing to the industry's regional growth. Manufacturing was nearly non-existent prior to Glanbia Food's whey processing plant in Richfield, 14 miles east of Shoshone, and Rocky Mountain Hardware, which machines brass fixtures in Shoshone. As a bedroom community to both the Wood River Valley and Twin Falls, workers have an easy commute. Affordable housing continues to be an issue in the Wood River Valley so subdivisions and residential construction will continue in Shoshone, where sustainable growth is expected over the long term. Currently there is an inventory of building lots.



### Labor Force & Employment

Unemployment has been a roller coaster in Lincoln County. The seasonally adjusted rate originally peaked at 5.6 percent in 2008 from a record low of 3.2 percent in 2007. During six of the last 10 years, the unemployment rate has exceeded 5 percent. Since the economic downturn, unemployment has reached unprecedented levels with a major loss of construction jobs pushing it to 13.4 percent in March 2011 – well above the state and national rates. Economic diversification has created new jobs but mostly in the service sector. Dairies have brought stability to traditional seasonal jobs in tourism, landscaping and agriculture. More retail is popping up to serve the highway traffic between Twin Falls and the Wood River Valley. Whey processing jobs in Richfield are stable, and manufacturing is gaining ground and raising area wages. Hay, grains, corn and other crops that can be green



chopped for dairy silage are the primary commodities. The U.S. Bureau of Land Management's regional headquarters and the National Interagency Fire Center dispatch operation are seasonal employers. The surrounding small communities all saw interest in new housing prior to the downturn. The county is expected to continue steady growth when the economy rebounds and those higher-paying jobs return to Blaine County.

| Labor Force                 | Dec 10 | Dec 11 |
|-----------------------------|--------|--------|
| Civilian Labor Force        | 2,814  | 2,575  |
| Total Employment            | 2,254  | 2,303  |
| Unemployed                  | 360    | 273    |
| % of Labor Force Unemployed | 13.8   | 10.6   |
| State of Idaho % Unemployed | 9.7    | 8.4    |
| U.S. % Unemployed           | 9.4    | 8.5    |

| Labor Force                 | 2001  | 2002  | 2003  | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Civilian Labor Force        | 2,231 | 2,288 | 2,264 | 2,303 | 2,390 | 2,544 | 2,559 | 2,584 | 2,551 | 2,604 | 2,604 |
| Unemployment                | 88    | 116   | 123   | 120   | 99    | 98    | 82    | 138   | 269   | 350   | 342   |
| % of Labor Force Unemployed | 3.9   | 5.1   | 5.4   | 5.2   | 4.1   | 3.9   | 3.2   | 5.3   | 10.5  | 13.4  | 13.1  |
| Employment                  | 2,143 | 2,172 | 2,141 | 2,183 | 2,291 | 2,446 | 2,477 | 2,446 | 2,282 | 2,255 | 2,262 |

Prepared by Jan Roeser, Regional Economist, Idaho Department of Labor • 420 Falls Ave, Twin Falls, Idaho 83301  
 Phone: (208) 735-2500, ext. 3639 • email: [jan.roeser@labor.idaho.gov](mailto:jan.roeser@labor.idaho.gov) • Labor Market Information website: [lmi.idaho.gov](http://lmi.idaho.gov)

## Wood River Soil & Water Conservation Partnerships:

How can we help is our motto: While we may not always be able to participate, we do appreciate the opportunity to learn other exciting efforts in Lincoln County.

Lincoln County Commissioners  
Natural Resource Conservation Service  
Farm Service Agency  
City of Shoshone  
City of Richfield  
City of Dietrich  
Shoshone School District  
Richfield School District  
Dietrich School District  
United States Environmental Protection Agency  
Idaho Fish and Game  
Pheasants forever  
Idaho Ducks Unlimited  
Idaho Department of Agriculture  
Idaho Department of Water Resources  
Idaho Department of Environmental Quality  
Cannon Envirothon  
Idaho Department of Lands  
Idaho Department of Parks and Recreation  
University of Idaho  
University of Idaho Extension Lincoln County  
Idaho Soil and Water Conservation Commission  
Boy Scouts of America  
FFA -  
Natural Resources Camp  
Big wood Canal Company  
37 37 M Water master  
BLM Bureau of Land Management  
Mary and Grady Garrett  
Idaho Forest Service  
Lincoln County Senior Center  
Lincoln County Sherriff Dept.  
Governor – Butch Otter  
Senator – Michelle Stennett  
Representative – Steve Miller  
Representative – Donna Pence

# Lincoln County

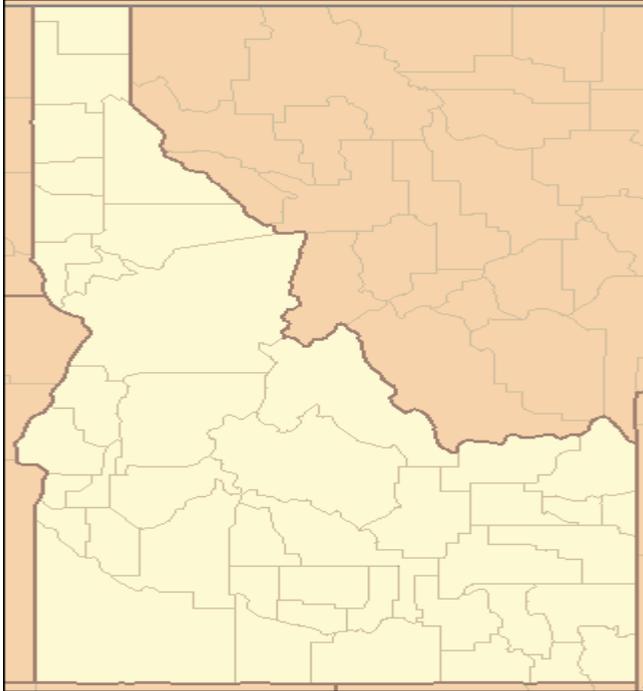
Wood River Soil and Water Conservation District



Lincoln County

## Lincoln County Weather

Topics: [Heating Cost Index](#) [Cooling Cost Index](#) [Historical Temperature](#) [Historical Precipitation](#) [Historical Snow](#) [Historical Humidity](#) [Historical Wind Speed](#)



### Historical Weather

Lincoln County 387.86  
Idaho 335.52  
U.S. 212.57

Lincoln County 64.15  
Idaho 70.62  
U.S. 139.82

### Heating Cost Index

### Cooling Cost Index

The Heating Cost Index and the Cooling Cost Index are indicators of the relative heating and cooling cost of an area. They were calculated based on the average temperature and duration of the hot and cold days for the area. Please note, the actual heating cost and cooling cost are also dependent on other factors specific to individual residences such as the size of the house, the insulation condition, and the equipment efficiency, etc.

### Average Temperature

#### Annual Average Temperature:

Lincoln County 43.9 °F  
Idaho 46.4 °F  
U.S. 54.5 °F

## Monthly Average Temperature

Lincoln County Mean Temperature Lincoln County Mean Min. Temperature  
Lincoln County Mean Max. Temperature Idaho Mean Temperature U.S. Mean  
Temperature

Jan Mar Apr May Jun Jul Aug Sep Oct Nov Dec

0255075100

Temperature (° F)

## Precipitation

### Average Annual Precipitation:

Lincoln County 12.28 inches

Idaho 16.86 inches

U.S. 38.68 inches

## Total Monthly Precipitation

Lincoln County Idaho U.S. (Average of All Locations)

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

01234

Amount (inches)

### Average Number of Days with 0.1 Inch or More Precipitation in a Year (this gives an indication of the number of days in a year that it is useful to have an umbrella):

Lincoln County 36.71 days

Idaho 48.41 days

U.S. 66.51 days

## Number of Days with 0.1 Inch or More Precipitation

Lincoln County Idaho U.S. (Average of All Locations)

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

02468

Days

## Snow

### Average Annual Snowfall:

Lincoln County 38.10 inches

Idaho 35.95 inches

U.S. 23.19 inches

**U.S. (Average of All Locations)**

Jan: 6.3 inches

**Total Monthly Snowfall**

Lincoln County Idaho U.S. (Average of All Locations)

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

0510-515

**Inches**

**Average Number of Days with 1 Inch or More Snow Depth in a Year:**

Lincoln County 53.80 days

Idaho 49.19 days

U.S. 27.07 days

**Number of Days with 1 Inch or More Snow Depth**

Lincoln County Idaho U.S. (Average of All Locations)

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

-505101520

**Days**

**Humidity**

**Annual Average Humidity:**

Lincoln County 80.95%

Idaho 79.49%

U.S. 77.52%

**Monthly Average Humidity**

Lincoln County Idaho U.S. (Average of All Locations)

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

708090100

**Humidity (%)**

**Wind Speed**

**Annual Average Wind Speed:**

Lincoln County 18.74 mph

Idaho 20.58 mph

U.S. 16.92 mph

## Monthly Average Wind Speed

Lincoln County Idaho U.S. (Average of All Locations)

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

10203040

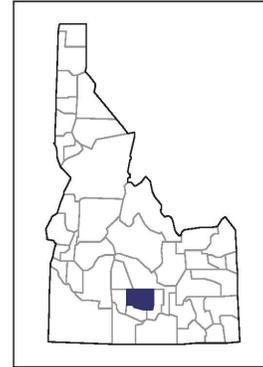
**Wind Speed (mph)**

\* The temperature, snow fall, and precipitation information on this page were calculated from the historical data of 18,000+ U.S weather stations for the period of time from 1980 to 2010. The humidity and wind speed information were calculated from data from 15,000 worldwide stations for the period of time from 1980 to 2010.

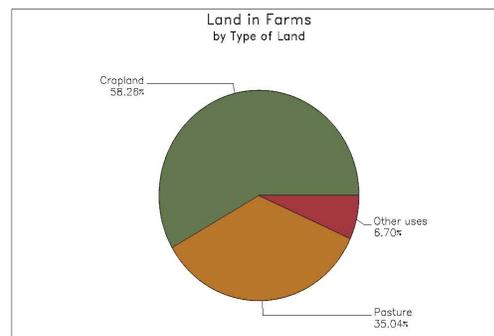
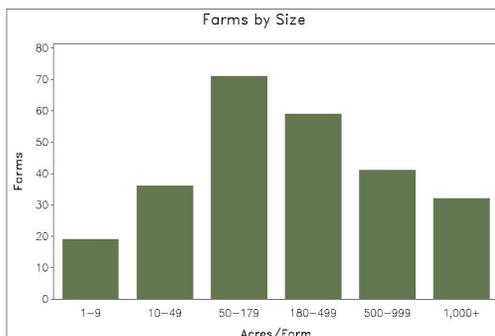
# 2007 CENSUS OF AGRICULTURE

## County Profile

### Lincoln County Idaho



|  | 2007          | 2002          | % change |
|--|---------------|---------------|----------|
| <b>Number of Farms</b>                     | 258           | 280           | - 8      |
| <b>Land in Farms</b>                       | 117,377 acres | 127,853 acres | - 8      |
| <b>Average Size of Farm</b>                | 455 acres     | 457 acres     | 0        |
| <b>Market Value of Products Sold</b>       | \$130,974,000 | \$53,904,000  | + 143    |
| Crop Sales \$21,214,000 (16 percent)       |               |               |          |
| Livestock Sales \$109,760,000 (84 percent) |               |               |          |
| Average Per Farm                           | \$507,650     | \$192,513     | + 164    |
| <b>Government Payments</b>                 | \$1,034,000   | \$1,061,000   | - 3      |
| Average Per Farm Receiving Payments        | \$8,015       | \$9,920       | - 19     |



United States Department of Agriculture  
National Agricultural Statistics Service

[www.agcensus.usda.gov](http://www.agcensus.usda.gov)

# 2007 CENSUS OF AGRICULTURE

## County Profile

### Lincoln County – Idaho

#### Ranked items among the 44 state counties and 3,079 U.S. counties, 2007

| Item  | Quantity | State Rank | Universe <sup>1</sup> | U.S. Rank | Universe <sup>1</sup> |
|---|----------|------------|-----------------------|-----------|-----------------------|
| <b>MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD (\$1,000)</b>             |          |            |                       |           |                       |
| Total value of agricultural products sold                               | 130,974  | 15         | 44                    | 660       | 3,076                 |
| Value of crops including nursery and greenhouse                         | 21,214   | 25         | 44                    | 1,418     | 3,072                 |
| Value of livestock, poultry, and their products                         | 109,760  | 9          | 44                    | 339       | 3,069                 |
| <b>VALUE OF SALES BY COMMODITY GROUP (\$1,000)</b>                      |          |            |                       |           |                       |
| Grains, oilseeds, dry beans, and dry peas                               | 7,402    | 25         | 42                    | 1,348     | 2,933                 |
| Tobacco   | -        | -          | -                     | -         | 437                   |
| Cotton and cottonseed   | -        | -          | -                     | -         | 626                   |
| Vegetables, melons, potatoes, and sweet potatoes                        | (D)      | 22         | 41                    | (D)       | 2,796                 |
| Fruits, tree nuts, and berries  | -        | -          | 36                    | -         | 2,659                 |
| Nursery, greenhouse, floriculture, and sod                              | (D)      | 32         | 41                    | (D)       | 2,703                 |
| Cut Christmas trees and short rotation woody crops                      | (D)      | 15         | 25                    | (D)       | 1,710                 |
| Other crops and hay   | 11,061   | 14         | 44                    | 148       | 3,054                 |
| Poultry and eggs  | 8        | 25         | 44                    | 2,574     | 3,020                 |
| Cattle and calves   | 15,365   | 17         | 44                    | 879       | 3,054                 |
| Milk and other dairy products from cows                                 | 94,122   | 6          | 33                    | 64        | 2,493                 |
| Hogs and pigs   | (D)      | (D)        | 42                    | (D)       | 2,922                 |
| Sheep, goats, and their products  | (D)      | (D)        | 44                    | (D)       | 2,998                 |
| Horses, ponies, mules, burros, and donkeys                              | 115      | 27         | 44                    | 1,577     | 3,024                 |
| Aquaculture   | -        | -          | 24                    | -         | 1,498                 |
| Other animals and other animal products                                 | 25       | 34         | 39                    | 1,694     | 2,875                 |
| <b>TOP CROP ITEMS (acres)</b>   |          |            |                       |           |                       |
| Forage - land used for all hay and haylage, grass silage, and greenchop | 25,521   | 22         | 44                    | 833       | 3,060                 |
| Wheat for grain, all  | 8,154    | 26         | 41                    | 782       | 2,481                 |
| Corn for silage   | 7,459    | 9          | 27                    | 196       | 2,263                 |
| Sugarbeets for sugar  | 6,416    | 9          | 15                    | 47        | 130                   |
| Barley for grain  | 3,023    | 24         | 40                    | 155       | 1,154                 |
| <b>TOP LIVESTOCK INVENTORY ITEMS (number)</b>                           |          |            |                       |           |                       |
| Cattle and calves   | 69,863   | 10         | 44                    | 306       | 3,060                 |
| Horses and ponies   | 1,182    | 26         | 44                    | 1,175     | 3,066                 |
| Hogs and pigs   | (D)      | 6          | 40                    | (D)       | 2,958                 |
| Sheep and lambs   | 544      | 32         | 40                    | 1,383     | 2,891                 |
| Layers  | 301      | 27         | 44                    | 2,477     | 3,024                 |

#### Other County Highlights

| Economic Characteristics                    | Quantity | Operator Characteristics  | Quantity |
|---|----------|---|----------|
| Farms by value of sales:                    |          | Principal operators by primary occupation:                        |          |
| Less than \$1,000                           | 48       | Farming   | 158      |
| \$1,000 to \$2,499                          | 9        | Other   | 100      |
| \$2,500 to \$4,999                          | 11       | Principal operators by sex:                                       |          |
| \$5,000 to \$9,999                          | 33       | Male  | 238      |
| \$10,000 to \$19,999                        | 21       | Female  | 20       |
| \$20,000 to \$24,999                        | 8        | Average age of principal operator (years)                         | 56.0     |
| \$25,000 to \$39,999                        | 21       | All operators by race <sup>2</sup> :                              |          |
| \$40,000 to \$49,999                        | 7        | American Indian or Alaska Native                                  | 4        |
| \$50,000 to \$99,999                        | 22       | Asian   | 1        |
| \$100,000 to \$249,999                      | 31       | Black or African American   | -        |
| \$250,000 to \$499,999                      | 17       | Native Hawaiian or Other Pacific Islander                         | 1        |
| \$500,000 or more                           | 30       | White   | 410      |
| Total farm production expenses (\$1,000)    | 91,583   | More than one race  | 4        |
| Average per farm (\$)                       | 354,972  | All operators of Spanish, Hispanic, or Latino Origin <sup>2</sup> | 29       |
| Net cash farm income of operation (\$1,000) | 42,792   |   |          |
| Average per farm (\$)                       | 165,862  |   |          |

See "Census of Agriculture, Volume 1, Geographic Area Series" for complete footnotes, explanations, definitions, and methodology.

(D) Cannot be disclosed. (Z) Less than half of the unit shown.

<sup>1</sup> Universe is number of counties in state or U.S. with item. <sup>2</sup> Data were collected for a maximum of three operators per farm.

## Big Wood River Watershed Management Plan at a Glance

|  |  |
|--|--|
| <b>Hydrologic Unit Code</b>                              | 17040212   |
| <b>Size (Total)</b>                                      | 1,496 square miles (957,495 acres)   |
| <b>(Lincoln County portion)<br/>303(d) Listed Stream</b> | Big Wood River (segments 5,6)<br>Thorn Creek   |
| <b>Segments</b>  |  |
| <b>Beneficial Uses Affected</b>                          | Cold water aquatic life, salmonid spawning, primary and secondary contact recreation |
| <b>Big Wood Segments 5,6</b>                             |  |
| <b>Thorn Creek</b>                                       | Cold water aquatic life, primary contact recreation, special resource water          |
| <b>Pollutants of Concern</b>                             |  |
| <b>Big Wood Segments 5,6</b>                             | Sediment, nutrients, dissolved Oxygen  |
| <b>Thorn Creek</b>                                       | Sediment, nutrients  |
| <b>Major Land Uses</b>                                   | Range, agriculture   |
| <b>Date Approved by U.S. EPA</b>                         | May 2002   |
| <b>Draft Addendum Public Comment Period</b>              | February 22 - March 30, 2007   |

Section 303(d) of the Clean Water Act establishes requirements for states and tribes to identify and prioritize water bodies that are water quality limited (i.e., water bodies that do not meet water quality standards). States and tribes must periodically publish a priority list of impaired waters, currently every two years. For waters identified on this list, states and tribes must develop water quality improvement plans known as total maximum daily loads (TMDLs) that establish allowable pollutant loads set at levels to achieve water quality standards.

### Overview

The overall purpose of this subbasin assessment and TMDL is to characterize and document pollutant loads within the Big Wood River Subbasin. Twenty stream segments on the §303(d) list were evaluated; an additional four stream segments that were not on the §303(d) list were also evaluated.

The document recommends that four streams (Horse Creek, Owl Creek, Baker Creek, and East Fork Wood River) be removed from the §303(d) list. These streams are meeting their beneficial uses and/or state water quality standards.

The document also recommends two additional streams segments be listed on the next §303(d) list. The first is in the Big Wood River mainstem from Base Line to Magic Reservoir. The second is in the Big Wood River mainstem from Interstate 84 to the Snake River (or the Malad River).

TMDLs were established for sediment, nutrients, and bacteria. Flow alteration will be evaluated further. A TMDL was not being established at this time for streams polluted by nitrite + nitrate. Temperature and dissolved oxygen TMDLs will be deferred until 2003 pending collection of more information. A TMDL was not established for turbidity at this time since the sediment TMDLs will create reductions in turbidity. The TMDL recommends that ammonia be delisted as a pollutant of concern.

### Background

The federal Clean Water Act requires that states and tribes restore and maintain the chemical, physical, and biological integrity of the nation's waters. States and tribes must adopt water quality standards necessary to protect fish, shellfish, and wildlife while providing for recreation in and on the waters whenever possible.

Streams and Pollutants for Which TMDLs Were Developed

Big Wood River      Sediment, nutrients, bacteria

Thorn Creek      Sediment, nutrients

Little Wood

Section 303(d) of the Clean Water Act establishes requirements for states and tribes to identify and prioritize water bodies that are water quality limited (i.e., water bodies that do not meet water quality standards). States and tribes must periodically publish a priority list of impaired waters, currently every two years. For waters identified on this list, states and tribes must develop water quality improvement plans known as total maximum daily loads (TMDLs) that establish allowable pollutant loads set at levels to achieve water quality standards.

**Surface Water: Little Wood River Subbasin Assessment and Total Maximum Daily Loads**

> [Link to document](#)

The Subbasin at a Glance

**Hydrologic Unit Code**      17040221

**Size (Total)**      1,132 square miles

**(Lincoln County portion) 303(d) Listed Stream Segments**      Little Wood River (segment 4)

**Beneficial Uses Affected**      Cold water aquatic life, salmonid spawning, secondary contact recreation

**Pollutants of Concern**      Temperature, sediment, nutrients

**Major Land Uses**      Range, agriculture

**Date Approved by U.S. EPA**      September 2005

Overview

The Little Wood River Subbasin lies in south-central Idaho. The river originates in the Pioneer Mountains of the Sawtooth National Forest and discharges in the desert plains at the Big Wood River.

Nutrients were measured in the form of total phosphorus and total inorganic nitrogen. High annual averages of total inorganic nitrogen, combined with elevated total phosphorus levels indicate that nutrients could be at levels that are capable of contributing to nuisance aquatic growth. Nutrient TMDLs have been completed for Fish Creek (both above and below Fish Creek Reservoir) and for the Little Wood River from Silver Creek to the Big Wood River.

Sediment was measured in the water column as total suspended solids and as percent fines. Where it was found that percent fines were elevated, stream bank erosion inventories were completed to determine if stream banks were the source of the sediment.

Background

The federal Clean Water Act requires that states and tribes restore and maintain the chemical, physical, and biological integrity of the nation's waters. States and tribes must adopt water quality standards necessary to protect fish, shellfish, and wildlife while providing for recreation in and on the waters whenever possible.

Stream bank erosion TMDLs for sediment were completed on Dry Creek, both segments of Fish Creek, and the Little Wood River from Silver Creek to the Big Wood River.

Bacteria and temperature are both numeric water quality standards and, as such, have numeric values that have to be met. Where

numeric bacteria standards were exceeded, additional samples were collected; a bacteria TMDL was completed for Fish Creek above Fish Creek Reservoir.

Where water temperatures were elevated, the canopy cover of the water bodies was measured to develop TMDLs. Temperature TMDLs were completed on Loving Creek, Muldoon Creek, both segments of Fish Creek, and the Little Wood River.

Flow alteration has been identified as pollution for many of the water bodies. However, the U.S. Environmental Protection Agency does not believe that flow alteration is a pollutant as defined by the Clean Water Act. Since TMDLs are not required for water bodies impaired by pollution but not pollutants, TMDLs were not developed for flow alteration. The water bodies with flow alteration have been identified as such and put on a list of water bodies polluted by flow alteration.

Where biological and water chemistry data indicated that beneficial uses were being fully supported, those water bodies were proposed for removal from the §303(d) list. Both Fish Creek Reservoir and Little Wood River Reservoir were recommended for removal.

#### Streams and Pollutants for Which TMDLs Were Developed

Little Wood River to Big Wood River) Sediment, nutrients, temperature.



**FY- 2014 (7/1/2013 – 6/30/2014) Annual Plan of Work  
WOOD RIVER SOIL & WATER CONSERVATION DISTRICT**



**Conservation District Priority Number 1: WATER QUANTITY**

Goal(s): Seek Installation of delivery system while conserving water.

Objective: Protecting and Enhancing the Quantity of our Water Resources

Milner / Gooding Canal north view

| Actions:  | Target Date | Individual(s) Responsible                                   |
|---|-------------|---|
| Specific measurable practices or actions attain goals<br>Seek EPA 319 grants and other water quality sources of funding   | 2014        | Board of Supervisor<br>Admin. Asst                          |
| To work with Big Wood Canal Co. to promote and coordinate pipeline projects<br>Rye Grass Project; Dietrich Pipeline Project; Marley Pipeline Project;<br>East Richfield Pipeline Project 1& 2, Richfield Town Project, Blaine Project,<br>North Shoshone Project<br>RE-CHARGE - Promote and encourage re-charge | 2014        | Board of Supervisors<br>NRCS<br>Administrative<br>Assistant |
| Participation on Locally Led Groups   | Annually    | Board of Supervisors  |
| Inform and Educate public through newsletters and articles etc.   | 2014        | Board of Supervisors  |
| To encourage sign ups by cooperators  | 2014        | Board of Supervisors  |
| Promote Cloud Seeding and other Snow Enhancements.  | 2014        | Board of Supervisors  |

**Wood River Soil Conservation assisting land managers with their conservation choices**



**FY- 2014 (7/1/2013 – 6/30/2014) Annual Plan of Work  
WOOD RIVER SOIL & WATER CONSERVATION DISTRICT**



**Conservation District Priority Number 2: WATER QUALITY**

Goal(s): To reduce sediment and phosphorus runoff into the Big Wood River & Middle Little Wood River with the conversion of surface to sprinkler Irrigation.

Objective: Seeking landowners to promote Water Quality on the Little Wood River .

| Actions  | Target Date | Individual(s) Responsible                            |
|--|-------------|--|
| Apply for additional grant funds & seek outside funding if required to implement BMP's   | 2014        | IASCD / Planner<br>Carl Pendleton<br>Barbara Messick |
| Administer and implement BMP's   | 2014        | Board of Supervisors<br>IASCD/ Planner               |
| Glanbia Mitigation Funding for possible landowners / Jeff Ward&/ Offer Inbar Irrigation structure removal to improve temperature, fisheries and stream flow. | 2014        | DEQ /<br>IASCD/ Planner<br>Board of Supervisors      |
| Continued monitoring by DEQ / IDA on select sights along J.B. Slough   | 2014        | IASCD / Planner<br>Board of Supervisors              |
| Investigate potential Glanbia projects on the Little Wood River.<br>(Lawrence Sweet)   | 2014        | Supervisors<br>NRCS<br>Administrative Asst           |

**Wood River Soil Conservation assisting land managers with their conservation choices**



**FY- 2014 (7/1/2013 – 6/30/2014) Annual Plan of Work  
WOOD RIVER SOIL & WATER CONSERVATION DISTRICT**



**Conservation District Priority Number 3 : SPECIES OF CONCERN**

Goal(s): To increase the forage production and better utilize Rangeland with specific measurable practices or actions to attain goals!

Objective: To protect Rangeland with installation of total RMS plans using BMP's.

| Actions   | Target Date | Individual(s) Responsible                      |
|---|-------------|--|
| To promote cost-share programs in species of concern<br>Influence locally led groups to allocate funds for Rangeland improvement  | 2014        | Board of Supervisors<br>Carl Pendleton<br>NRCS |
| Work with BLM on weed control issues on public lands  | 2014        | Board of Supervisors<br>Admin. Assistant       |
| To promote stock water & cross fencing for better livestock management  | Annually    | Board of Supervisors<br>Admin. Assistant       |
| Work with the Tri-County weed supervisors to publicize cost-share alternatives  | Annually    | Board of Supervisors<br>Admin. Assistant       |
| Developed a Land Use / Sage Grouse Plan & the Lincoln County Commissioners adopted it as a resolution. Provide and be the Counties resource advisory group dealing with all natural resource concerns.. | Annually    | Board of Supervisors<br>NRCS                   |
| Continue to be pro-active in attending meetings, observing and educating in urban development.  | 2014        | Board of Supervisors                           |

**Wood River Soil Conservation assisting land managers with their conservation choices**



**FY- 2014 (7/1/2013 – 6/30/2014) Annual Plan of Work**  
**WOOD RIVER SOIL & WATER CONSERVATION DISTRICT**



**Conservation District Priority Number 4: SOIL EROSION**

**Goal(s):** To increase knowledge base of landowners in dealing with animal waste and inform the public about those applications i.e. CCPI, AWEP, EQIP and WQPA

**Objective:** Seek alternative system for management of manure other than land application.

| Actions  | Target Date | Individual(s) Responsible                |
|--|-------------|--|
| Contract with landowners                                 | 2014        | Board of Supervisors<br>NRCS & Barbara   |
| Inform and Educate the Public                            | 2014        | Board of Supervisors<br>NRCS & Barbara   |
| Participate on locally led groups                        | Annually    | Board of Supervisors<br>NRCS & Barbara   |
| Promote SOIL HEALTH (Workshops, experimental plots etc.) | 2014        | Board of Supervisors<br>NRCS & Barbara   |
| To encourage sign ups by cooperators                     | 2014        | Board of Supervisors                     |
| Pasture Management Workshop                              | 2014        | Board of Supervisors<br>U of I Extension |

**Wood River Soil Conservation assisting land managers with their conservation choices**





## FY- 2014 (7/1/2013- 6/30/2014) Annual Plan of Work WOOD RIVER SOIL AND WATER CONSERVATION DISTRICT



### Conservation District Priority Number 5 : GRAZING LANDS HEALTH

Goal(s): To enhance and conserve water for agriculture, wildlife and recreational purposes.

Objective: To seek installation of delivery systems to conserve water.

| Actions   | Target Date | Individual(s) Responsible                            |
|---|-------------|--|
| Articles in newsletters & News papers   | Annually    | Barbara Messick                                      |
| To assist landowner in developing and funding BMP's (EQIP & State WQPA)   | 2014        | Board of Supervisors                                 |
| Inform the public on conservation programs & practices available.<br>Promote (Sage Grouse Initiative) and other wildlife enhancement's. | 2014        | Board of Supervisors                                 |
| Continuing to move forward in the planning process with 2 landowners north of Shoshone in a Green Stripping Demonstration Plot.         | 2014        | Barbara Messick<br>Board of Supervisors<br>NRCS, SWC |
| Partnered with NRCS to hold Grazers Gathering workshop the first Friday of every month through March of 2014.                           | 2014        | Barbara Messick<br>Board of Supervisors<br>NRCS      |
| To assist landowners in developing and funding BMP's  | 2014        | Board of Supervisors                                 |

**Wood River Soil Conservation assisting land managers with their conservation**





## FY 2014 (7/1/2013- 6/30/2014) Annual Plan of Work WOOD RIVER SOIL & WATER CONSERVATION DISTRICT



### Conservation District Priority Number 6 : DISTRICT PROCEDURES INFORMATION & EDUCATION

**Goal(s):** To operate as an effective and efficient subdivision of State Government / Increase the WRSCD Information and Educational program awareness of Natural Resources with the quality of life in Lincoln County.

**Objective:** To reach the ideal state of our resources and utilize them wisely to promote Idaho partnership through Conservation programs. Implementation of I&E programs to public school systems and local landowners promoting the Idaho partnership of conservation programs.

| <b>Actions</b>  | <b>Target Date</b> | <b>Individual(s) Responsible</b> |
|---|--------------------|----------------------------------|
| Review / Update District Policy and Procedures Manual                         | 2014               | Admin. Assistant                 |
| Schedule and hold monthly Board Meetings                                      | Monthly            | Admin. Assistant                 |
| Develop and submit Conservation District Annual Plan of Work / Annual Reports | 2014               | Admin. Assistant                 |
| Develop and submit Conservation District Budget                               | 2014               | Admin. Assistant                 |
| Continue to support Capital Displays  | 2014               | Admin. Assistant                 |

**Wood River Soil Conservation assisting land managers with their conservation choices**

|  |          |  |
|--|----------|--|
| To sponsor Conservation tours and workshops when appropriate<br>Weed Management Workshop – February 14 <sup>th</sup> ! | 2014     | Admin. Assistant                         |
| To support Conservation activities through information and educational programs within Lincoln County Schools.         | 2014     | Board of Supervisors<br>Admin. Assistant |
| To Support RC&D and Southern Idaho Bio Weed Control  | Seasonal | Board of Supervisors<br>Admin. Assistant |
| TREE SALE  | Annually | Board of Supervisors<br>Admin. Assistant |
| Lincoln County Fair & Booth, Conservation Farmer of the Year   | 2014     | Board of Supervisors<br>Admin. Assistant |
| Newsletter and Articles when and if prompted by on-going activities  | 2014     | Board of Supervisors<br>Admin. Assistant |
| Update and maintain current Website – Social media / Face book & Blog  | Monthly  | Board of Supervisors<br>Admin. Assistant |

Wood River Soil Conservation assisting land managers with their conservation choices

Wood River Soil Conservation assisting land managers with their conservation choices



**IDAHO SOIL & WATER  
CONSERVATION COMMISSION**

**FIVE-YEAR (5) PLAN and  
ANNUAL WORK PLAN  
CERTIFICATION**

**DISTRICT:** WOOD RIVER SOIL & WATER  
CONSERVATION DISTRICT

**FOR FISCAL YEAR:**

FY- 2014

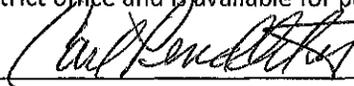
**DUE :**

March 31, 2014

**CERTIFICATION**

On behalf of my local Board of Supervisors, I hereby certify that the attached Five-Year (5) Plan and Annual Work Plan is true and accurate, and further submit said Plan for the above named District and fiscal year.

A copy of this Five-Year (5) Plan and Annual Work Plan shall be kept at the District office and is available for public inspection.



Board Supervisor Signature

**CARL PENDLETON**

Printed Name

**2-12-2014**

Date

**1-208-886-2258**

Telephone

**wrsacd@gmail.com or Barbara.Messick@id.nacdnet.net**

District Email Address

**FOR SWC USE ONLY:**

**DATE OF CONFIRMATION:**  
\_\_\_\_\_