



# THE OREGON PLAN

*for salmon & watersheds*

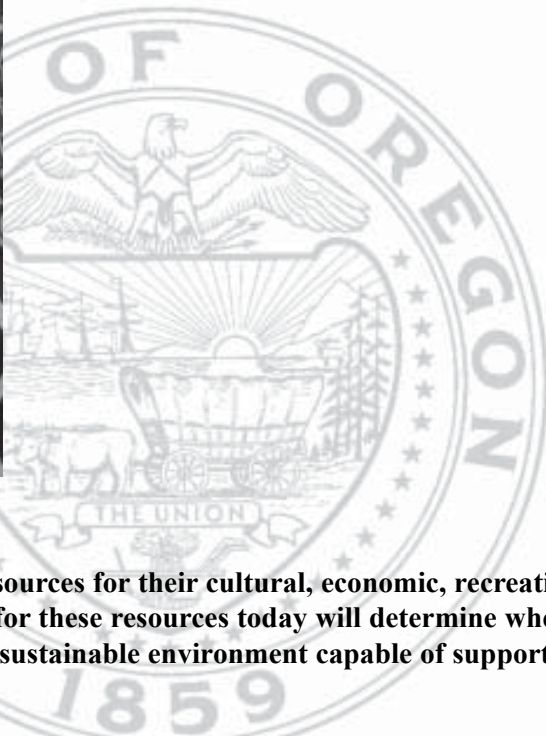
## **Oregonians Working for Healthy Watersheds**

**Recognition Event**

**June 9, 2004**

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Celebrating grassroot accomplishments that are  
making a difference in Oregon!



## ***Oregonians...***

**treasure our state's natural resources for their cultural, economic, recreational and spiritual values. How we care for these resources today will determine whether our children inherit a healthy and sustainable environment capable of supporting vibrant communities.**

**The Oregon Plan for Salmon and Watersheds is a broad-based, cooperative effort to restore and maintain healthy watersheds across the state, improve water quality, and recover salmon to sustainable levels. We all have a role to play, because success depends on both voluntary and mandatory actions.**

**The Oregon Plan is a long-term, ongoing effort. Its success depends on cooperative efforts between state and federal agencies, tribal nations, local government, private industry, landowners, local watershed councils, soil and water conservation districts, conservation groups, urban and rural citizens, and the youth of this state.**

**The exceptional actions and leadership of the honorees described in this booklet reaffirm the shared vision, commitment and stewardship of Oregonians to ensure that the watersheds where we live, work and play remain treasured parts of the Oregon landscape.**

*Theodore R. Kullongski*

# Program Schedule

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11:00 a.m.     **Welcome & Introductions -**  
James Brown, Governor's Natural Resource Policy Director

**Presentations -**             Governor Theodore R. Kulongoski  
Senate President Peter Courtney &  
Speaker of the House Karen Minnis

11:20 a.m.     **Recognition Ceremony -**

Presentation: Geoff Huntington, Director, Oregon Watershed  
Enhancement Board

Honorees will be presented with certificates of recognition  
from the following:

Katy Coba, Director, Oregon Department of Agriculture

Michael W. Grainey, Director, Oregon Department of Energy

Lindsay Ball, Director, Oregon Department of Fish & Wildlife

Clark Seely, Associate State Forester, Oregon Department of Forestry

Ann Hanus, Director, Oregon Department of State Lands

Phil Ward, Acting Director, Oregon Department of Water Resources

12:00 p.m.     **Reception - Capitol Galleria**

12:30 p.m.     **Exhibits -** Please take time to view our exhibits. They  
highlight the Oregon Plan for Salmon & Watersheds and the  
accomplishments of our award recipients.

## ***The Oregon Plan Credo...***

“The Oregon Plan for Salmon and Watersheds is a commitment by Oregon’s citizens, landowners, businesses, organizations and governments to work together to ensure our children will inherit healthy watersheds. Oregon’s unprecedented vision is to change the relationship between people and natural resources--people and land, people and fish--and to build communities that are sustainable and profitable in the long-term. Most of all, it is a spirit of volunteerism and stewardship characteristic of Oregon and Oregonians.”

### ***Honoree Index:***

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- Jay Beeks, Engineering Manager, Oregon Parks & Recreation - pg. 6*
- Jet Blackburn, Sodhouse Farms - pg. 15*
- Jack Crider, Port of Tillamook Bay - pg. 3*
- Bernie Faber, Cal-gon Farms - pg. 2*
- Larry & Patty Ferreira, Ferreria Dairy - pg. 3*
- Juliette & Lucien Gunderman, Crown Hill Farm - pg. 16*
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- Ron & Yvonne Hurliman - pg. 2*
- Klamath Water Users Association, Dan Keppen - pg. 1*
- Mark & Debbie Knaupp, Mud Slough Wetland Mitigation Bank - pg. 14*
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- Tom Wood, Oregon Parks & Recreation Department - pg. 6*

# “Oregonians Working for Healthy Watersheds”

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Through voluntary actions and cooperative efforts, the honorees, who come from communities across Oregon, have demonstrated strong leadership and commitment to stewardship in overcoming obstacles and finding solutions that contribute to the goals of the Oregon Plan for Salmon and Watersheds. Their exemplary efforts, which are described on the following pages, have shown that it is possible for citizens, landowners, organizations and governments to work together to ensure that children inherit a sustainable and profitable Oregon that continues to be rich with such vital natural resources.

*Take a few moments to read their stories...*

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## Oregon Department of Agriculture



### **Leadership in Conservation Award 2004 –**

The Leadership in Conservation Award is given to organizations or individuals who exemplify the spirit of the Oregon Plan. These award recipients have implemented conservation practices on their own property or been instrumental in supporting others to promote conservation activities. They continue to work in partnership with Soil and Water Conservation Districts and other natural resource agencies in support of Senate Bill 1010, the Agricultural Water Quality Management planning process, and provide leadership and encouragement to others who support and promote water quality improvement.

### **Leadership in Conservation Award Winner 2004 – Klamath Water Users Association – Klamath Falls, OR**

The Klamath Water Users Association is recognized because of their tireless efforts in support of the many entities dependent on Klamath basin water. Their ongoing support of area landowners, as they continually improve and maintain operational practices that

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*(ODA awards, con't.)*

support conservation while promoting sustainability, is a model for water use associations throughout Oregon. Dan Keppen, executive director, along with the Board of Directors made up of landowners, water users, and stakeholders, have done a remarkable job working with federal, state, tribal, and local agencies to provide the quantity and quality of water needed in the area for a variety of uses.

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### **Environmental Stewardship Award 2004 –**

The Oregon Dairy Farmers' Association and the Oregon Department of Agriculture annually awards the Environmental Stewardship Award to those dairy operators who demonstrate leadership in promoting water quality and have a history of implementing excellent waste management practices. Each dairy that receives the award has made a significant commitment to environmentally sound management practices, improving our state's water quality.



#### **First Award Winner – Ron and Vonnie Hurliman – Cloverdale, OR**

Less than two miles from the Pacific Ocean, the Hurliman's dairy receives over 100 inches of rainfall annually. The Hurlimans work hard at integrating sound farming practices while protecting an environmentally sensitive area. Fencing installation that protects the sustainability of the operation while providing animal welfare, improved waste storage and management, and impressive attention to detail in all their

farming operations makes the Hurliman Dairy an exemplary example of farming excellence and superior environmental stewardship.

#### **Second Award Winners – Bernie Faber – Salem, OR**

As a member of the Oregon State Board of Agriculture, Bernie Faber is at the forefront of our state's agricultural industry. He is committed to ensuring that the Department of Agriculture continues to comply with administering its laws and regulations, but in a farm-friendly fashion. At his own dairy, he has addressed animal wastewater management issues by installing and maintaining a methane digester that makes use of animal waste by turning it into useable electric power.



**Larry and Patti Ferreira – Beaver, OR**

Larry and Pattie Ferreira operate a jersey dairy near Beaver, Oregon and are installing an anaerobic batch reactor (manure) digestion system to treat the manure from their herd. The benefits of this system are a nearly complete pathogen reduction, odor reduction and manure nutrient partitioning for easier management and export. This system produces three usable products; methane gas that will run a generator, nutrient rich fiber for export, and liquid crop nutrient for growing forage for animal feed. The Ferreira's are excited about the prospect of odor and pathogen reduction in the digested liquid that will keep the neighbors happy and protect surface and ground water. This facility exemplifies sustainability, by turning a waste product into useable commodities.



(left to right- Traci, Larry, Patti, Travis Ferreira)



**Port of Tillamook Bay (POTB)/Jack Crider,  
Executive Director – Tillamook, OR**

The Port of Tillamook Bay (POTB) and the Tillamook dairy community have worked since 1988 to develop the Methane Energy and Agricultural Development (MEAD) project. In 2003, the first two of four methane digester cells began operation. This facility consists of a plug flow manure digester that produces methane gas. The gas fuels engine driven generators that produce electricity. Electricity is sold to utilities as “Green” power and pays for the digester operation. At full capacity, this facility will process manure from 4000 cows into methane gas, and produce a digested fiber product and liquid nutrient that will be returned to dairies to fertilize growing crops. Currently, eight dairies are processing their cow's manure through the digester. The digester is named in honor of congresswoman Darlene Hooley who assisted in securing funding for this project.

**Earhardt Steinborn & Don Laymon – Sherwood, OR**

The Steinborn dairy has encountered environmental challenges before. The dairy relocated to its present site in order to address difficult soil and water features located at their previous site. The ongoing challenge of manure nutrient management brought the dairy to a point of considering more advanced manure processing to assist in achieving water and air quality standards. The manure digester the Steinborn dairy is installing is a

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*(ODA awards, con't.)*

copy of a digester operating in Minnesota. The Steinborn dairy expects similar successful results. It is anticipated that the digester will reduce odors and bacteria, and will assist the dairy with nutrient management.

(left to right: ODA's Wym Matthews with Earhardt Steinborn)

### **Rickreall Dairy – Rickreall, OR**

The Rickreall Dairy is located just outside the town of Rickreall. Operating a dairy near a small town has its challenges, so the Rickreall Dairy hopes to employ manure digester technology. Nutrient management is required as part of the dairy's Confined Animal Feeding Operation permit. The digester processes and separates manure nutrients, making the nutrients easier to handle and export as fertilizer.

Digester operations will also reduce manure odors and substantially reduce manure pathogens. Energy production is another benefit of this system by turning methane into electricity. This digester is just one addition to the dairy's impressive list of environmental improvements, while ensuring the sustainability of the farm's operations.



(left to right: ODA's Wym Matthews with Louie Kazemier)

### **Origins of the Oregon Plan**

In 1997, with the support and participation of a wide spectrum of stakeholders from all sectors and regions of the state, the Oregon Legislature and then-Governor John Kitzhaber established the Oregon Plan for Salmon and Watersheds. Motivated at first by the conviction that the state must devise its own home-grown response to listings of coho and other salmon species under the federal Endangered Species Act, Oregon expanded the plan into an unprecedented statewide program to preserve and profit from Oregon's natural legacy.

## Oregon Department of Energy

Oregon Department of Energy honors individuals, schools, businesses and organizations that have made special efforts in the area of energy efficiency or renewable energy projects. Their innovative efforts help conserve the state's natural resources, improve the quality of life for Oregonians, benefit the economy and serve as examples to others across the state.

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### **Brooks Resources Corporation and Awbrey Glen Golf Course - Bend, OR**

When an irrigation system at Awbrey Glen Golf Course in Bend needed updating, the owners at Brooks Resources Corporation, the golf course manager and golf course superintendent went beyond the minimum to treat golfers to improved turf conditions and to save energy and water.

The previous irrigation system wasted energy and water by over-watering wet areas to provide sufficient water to dry areas within the same control zone. CEO Mike Hollern, President Kirk Schueler, golf course General Manager Mark Amberson, and Superintendent Doug Feher decided to invest in modifications and add a computerized system that takes into account weather conditions, varied types of terrain, microclimates, slope and soil types – all needing varying amounts of water.

The new computer program interfaces with a weather station and directs individually controlled valves in the sprinkler heads to make appropriate changes in water applications. The computerized control panel and the variable frequency drive motors that power the pumping station also save energy.

Feher and Brooks Resources Corporation worked with Oregon Department of Energy to take advantage of a Business Energy Tax Credit to help reduce costs for their conservation efforts.

Thanks to the new system, energy consumption will be reduced by over 42,000 kWh of  
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(left to right: Doug Feher, golf course superintendent & Mark Amberson, golf club general manager)

*(ODE awards, con't.)*

electricity per year, a 25 percent savings, and annual water use will be cut by over 16 million gallons, a 17 percent reduction. This well-designed golf course irrigation system will result in better quality turf for golfers, efficient use of pumping motors, less irrigation labor, lower repair costs and water and energy savings that will benefit the Deschutes River basin.

### **Tim Wood and Jay Beeks, Oregon Parks and Recreation Department**



(left to right: Tim Wood, ass't. director for field operations & Jay Beeks, engineering manager)

Two individuals from Oregon Parks and Recreation Department have demonstrated strong leadership in promoting sustainable practices in a number of state parks.

Tim Wood, assistant director for field operations, and Jay Beeks, engineering manager, have been especially diligent in promoting improvements in park facilities that conserve energy and water as part of the State Energy-Efficient Design (SEED) program. SEED was created to implement state law that requires state of Oregon facilities to be designed, constructed, renovated, and operated in ways that minimize the use of nonrenewable energy resources and serve as models of energy efficiency.

With visitor numbers increasing each year, Parks looked for innovative solutions to ever-increasing water demands and overburdened waste systems. In 2000, Wood and Beeks spearheaded an ambitious plan to begin implementing energy and water savings in all park facilities and worked closely with the Oregon Plumbing Board to test new products and technologies for water conservation. Examples of their efforts at 14 parks include:

- water use reduction through retrofitting or replacement of existing restroom fixtures with low-flow fixtures and water-less urinals;
- a composting toilet system at Smith Rock State Park;
- an ultraviolet water disinfecting system to treat effluent at Starvation Creek State Park;
- water and energy-efficient designs for modular restrooms; and
- requiring low-flow fixtures at new restroom facilities.

*(ODE awards, con't.)*

Initial efforts have resulted in significant energy savings and water savings estimates of nearly 12.5 million gallons from 2001 to 2003.

Many state parks provide a doorway to beautiful and sometimes environmentally sensitive areas of the state. As a natural resource agency, Parks has the complicated and sometimes challenging mission of both welcoming Oregonians and visitors to our beautiful state, while conserving and preserving our natural resources.

Wood and Beeks have gone the extra mile and have shown their commitment to expanding energy and water conservation in state parks. These improved facilities serve as an example to Oregonians and visitors alike that it is possible to enjoy Oregon's natural resources while conserving valuable energy and water resources.

## **Oregon Department of Fish and Wildlife**

The Fish and Wildlife Steward Award is a cooperative program between the Oregon Department of Fish and Wildlife (ODFW) and Oregon Department of Forestry (ODF) to recognize landowners who are implementing the Oregon Plan for Salmon and Watersheds through their stewardship activities. Awards are given out yearly at either Commission or Board of Forestry meetings and recipients also are acknowledged at a ceremony with the Governor.

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### **Mark and Jolly Krautmann, Heritage Seedlings, Inc. - Salem, OR**

The Krautmann's were recognized for stewardship activities on 54 acres on two of their four farms in Marion County.

With help from their restoration ecologist, Lynda Boyer, the Krautmann's restored 14 acres of native riparian habitat along Stout Creek, a tributary of the North Santiam River that supports spring chinook salmon, winter steelhead, and cutthroat trout. They also removed invasive brush, reed canary grass, and non-native blackberries, and replanted the area with 4,000 trees and shrubs, as well as sedges and rushes.

At their Joseph Street farm just east of Salem, the couple

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*(ODFW awards, con't.)*

removed conifers that were over-topping Oregon white oaks, opening up dense tree stands to form a savanna, and restored native prairie on about 40 acres. The opened stands provide forage for deer, non-game birds and mammals. The Krautmans plan to restore another 100 acres of oak savanna and upland and wet prairie habitat on their two other farms over the next few years.

Mr. Krautmann, who is the president of the Oregon Association of Nurserymen, promotes a philosophy of commercial operation beneficial to fish and wildlife habitat and believes the nursery industry is uniquely geared to play a substantial role in the restoration and recovery of native habitats and plant species. The couple currently has seven acres of native upland seed in production that will help them implement these kinds of large-scale restoration projects, and make seed available for others doing similar work.

**Green Diamond Resource Company, Gerald Palmer - Tillamook, OR**

Green Diamond Resource Company has been instrumental in improving habitat for fish

and wildlife on their forestlands in northwest Oregon. Mr. Palmer has led the company's effort to retain green trees and snags along both fish bearing and non-fish bearing streams in excess of the numbers per acre and basal area required by the Forest Practices Act. They voluntarily clumped and retained large trees to protect sensitive bird nesting sites and removed old stream crossing structures and restored fish passage at impassable road crossing structures to ensure adequate fish passage.



Green Diamond Resource Company, along with many other industrial forest landowners in Oregon, has implemented a voluntary program to identify roads on their lands that pose a risk of contributing sediment to Oregon's waterways, and aggressively taken action to address those risks. They installed many additional cross-drainage road culverts and applied durable rock surfacing to haul roads that may be used during wet periods.

*(ODFW awards, con't.)*

The company has also been an active participant in the North Coast Salmonid Habitat Restoration Project created in 1995 to restore in-stream habitat. The project is a cooperative group of industrial forestland owners, the Oregon Wildlife Heritage Foundation, ODF and ODFW. In addition, the company has been an active participant in several monitoring studies conducted by ODF, and they allow hunters access to most of their lands during hunting seasons.

**George Sandberg - Roseburg, OR**

Mr. Sandberg owns more than 800 acres in the Clover Creek watershed, a tributary of the famed North Umpqua River. He was recognized for his leadership during implementation of an extensive restoration project along Clover Creek that improved spawning and rearing habitat for winter steelhead, Coho salmon, and cutthroat trout.

The project also improved riparian habitat for Columbian white-tailed deer.



(George Sandberg (right) constructed 20 off-channel livestock watering sites to help protect riparian areas.)

The project included installing seven miles of riparian fencing, constructing 20 off-channel livestock watering sites, developing five springs, assisting with replacement of two culverts, and planting more than 25,000 hardwood and conifer seedlings in the riparian zone.

Mr. Sandberg has donated more than 350 hours of his time since 1998 and was the lead landowner in this effort. He partnered with neighboring landowners, the Umpqua Basin Watershed Council, the Douglas County Soil and Water Conservation District, and several state agencies.

**Doug and Jo Winn, Jaussaud Ranches, Walla Walla, WA**

In 1999, the Winns established a Forest Stewardship Plan in cooperation with the Oregon Department of Forestry. Since then, their timber management has incorporated a holistic approach, resulting in greater benefits to wildlife, soils, water, range, forest, and scenic values. They developed springs and ponds that improved water quality and availability for wildlife, and retained snags in excess of Forest Practices Act requirements.

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The couple also manages their harvest units to retain ground cover and a diversity of tree sizes and stand densities. They re-seed understory shrubs, grasses and forbs to improve forage for big game and habitat for other wildlife species, protect raptor nesting trees, and control noxious weeds along roads, meadows, and harvest units to allow regeneration of more desirable species.

The Winns' commitment to managing their timber resources using the most updated science and techniques and employ best management practices has resulted in higher operating expenses, more long-term planning, and regular consultation with resource professionals. In the process, they have greatly benefited many wildlife species including deer, elk, bear, Pileated woodpeckers, goshawks, tree squirrels, and a variety of owl species.

## Oregon Department of Forestry

The **Operator of the Year Award** winners for 2003 earned recognition for conducting their forest operations in a manner that helps protect natural resources, often exceeding the state's Forest Practice Act rules. Each displayed innovation and the ability to handle difficult circumstances, expending extra effort and investing some financial risk or sacrifice to produce outstanding results. The candidates were selected from nominations proposed by the Oregon Department of Forestry.

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### Mark & Sarah Tsiatsos, M&S Timber Company - LaGrande, OR



Mark & Sarah earned the Eastern Oregon Operator of the Year Award for an integrated and comprehensive land management approach that promotes sustainable use of forestlands. The operation used equipment suited to the task, while improving water quality, providing better fish passage, enhancing salmon habitat and controlling erosion. The crew has worked

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(left to right: Rick Wagner, ODF Stewardship Forester, congratulates Mark & Sarah Tsiatsos.)

*(ODF awards, con't.)*

to develop ways that timber operators in eastern Oregon can survive during tough economic times, often educating landowners about stewardship practices while providing important resources. The diversification of the business from just harvesting timber has also created family-wage jobs.

Resource protection and forest management benefits provided by M&S Timber include: improved water quality and fish passage; enhanced salmonid habitat; sediment reduction; off-stream water development resulting in fewer cattle on streams; improved roads; developing dip ponds for helicopters to help control wildfires; forestland restoration; and fisheries habitat restoration. M&S Timber has secured grant monies to complete some of the restoration work performed.

**Brent Parries, Pacific Forest Contractors - Estacada, OR**

Brent earned the Northwest Oregon Operator of the Year Award for a 41-acre operation that included a wetland area and two fish bearing streams. Parries and his crew took extra precautions to avoid altering or disturbing these areas—trees were felled away from the wetland area and a temporary stream crossing was constructed for equipment. Much time and expense was expended to place wood for structure in the streams, creating pools and rearing habitat for fish.

Despite the increased cost, low ground pressure log loaders were used for the operation, instead of skidders and dozers, to ensure less ground disturbance. The crew made sure that slash piles were clean and high to burn completely, decreasing the chance of holdover fires during slash clean up.



(right: Jeff Perries)

**Lone Rock Logging, Lone Rock Timber Company - Roseburg, OR,**

Lone Rock earned the Southwest Oregon Operator of the Year Award for timber harvesting above Cooper Creek Reservoir, Sutherlin. The crew took numerous precautions during the operation to mitigate the steep terrain and to safeguard the reservoir, which is a secondary source of municipal water for Sutherlin. Extra measures were taken by Lone Rock Timber to be “community friendly.” Planning for the operation was begun several years in advance. A ten-year management plan was provided to community members and local

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*(ODF awards, con't.)*



(Left to right: Rod Greene, Lone Rock Logging Manager; Bud Long, Lone Rock Logging Administrator; and Scott Swearingen, nominating ODF Stewardship Forester, stand by an educational interpretive sign they helped develop for Cooper Creek.)

government that addressed potential concerns about water quality and the visual impacts of the harvest near the reservoir, also a popular recreational site. Several public meetings were held before work began on the proposed operation.

Several measures were taken to ensure resource protection: wildlife trees were left scattered throughout the unit; a swing yarder with a motorized carriage was used to lift trees over sensitive areas; trees were felled away from sensitive areas; high stumps were left to stop any potential logs from rolling downslope; roads were constructed, reconstructed and/or realigned one year prior to harvest; roadsides and areas of disturbance near streams were grass seeded; sediment barriers were strategically placed; and a buffer was left along a non-fish bearing stream.

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Each year, local groups of Oregon Department of Forestry foresters, consulting foresters, and forestry extension agents meet with the Oregon Small Woodland Owners' Association chapters to select county **Tree Farmer of the Year** award recipients. Oregon's State Tree Farm winner is selected from the county winners and competes in the Western Regional competition that represents 13 states. The National Tree Farmer of the Year Finalist is selected from four U.S. regional winners.

**Chris and Donna Heffernan, North Slope Hay Company** - North Powder, OR  
Chris Heffernan, a member of the Oregon Board of Forestry, and his wife, Donna, actively support the forestry and natural resource communities, statewide as well as nationally. The Heffernans were selected as Oregon's Tree Farmer of the Year during 2003. To promote tree farming, the Heffernans use their farm as a demonstration site for small woodland owners, Oregon State University Forestry Extension Service and high school natural resources classes.

They have contributed by serving on numerous councils, boards and associations and have received special recognition for their conservation efforts.

The tree farm has also been featured in many state and local newspapers and on Oregon Public Broadcasting, as well as in several forestry-related magazines.

The Heffernan's use an integrated approach that consists of managing their land for timber, water, wildlife, recreation and grazing. Their objective is to maintain a healthy, sustainable forest that provides social, economic and environmental benefits for their family and community, now and in the future. Besides reforestation and pre-commercial thinning to control insects and dwarf mistletoe, forest management activities on the tree farm include the development of three ponds for fire suppression and wildlife, as well as riparian restoration.



(left: Chris & Donna Heffernan accept their awards at the annual Tree Farmer of the Year Awards Banquet.

## Oregon Department of State Lands

The State Land Board authorized a new awards program in December 2003 to promote and recognize responsible, sustainable stewardship of natural resources in three categories: **State Land Board Lessee of the Year Award**; **State Land Board Stream Award**; and the **State Land Board Wetland Award**. The Land Board consists of the Governor, Secretary of State and Treasurer. The Department of State Lands serves as the administrative arm of the board.

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### **Ted Reese & Janet Oatney, Washington County DLUT Operations Division - Stream Award**

The Murtaugh Creek Fish Passage Project restores about 7.5 miles of prime fish habitat. It also features an Oregon Department of Fish and Wildlife-sponsored barrier removal project  
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*(ODSL awards, con't.)*



to be accomplished at a later date. The county's project replaced an existing culvert that was a fish barrier. The stream channel was reconstructed to match the existing pristine stream habitat. Project managers used the fish removal process as a training opportunity for Oregon Department of Transportation, Oregon Department of Fish and Wildlife and county staff. The project included considerable local resident and other agency involvement. The site was mitigation for the ODOT Highway 26 Sylvan to Camelot project.

(Washington County Project Engineer Ted Reese, P.E., and Project Coordinator Janet Oatney check progress of the Murtaugh Creek restoration project.)

**Mark and Debbie Knaupp, Mud Slough Wetland Mitigation Bank - Lessee of the Year Award - Rickreal, OR**

Bank owners Mark and Debbie Knaupp have taken degraded wetlands that have been drained for agricultural purposes over the past 60 years and returned them to a native Willamette Valley wet prairie and marsh ecosystem in less than eight years. For the second consecutive year, the 56-acre bank surpassed all of its performance standards. The owners have developed partnerships with public and non-profit agencies and given numerous tours. They plan a significant expansion of the bank this year.

(Bank owners Mark and Debora Knaupp)



*(ODSL awards, con't.)*

**Jett Blackburn, Sodhouse Farms - Wetland Award - Burns, OR** (adjacent to Malheur National Wildlife Refuge Headquarters)

This project enhances wetlands and hydrologically reconnects formerly farmed lands to Malheur Lake. The project restores 265 acres of wetlands and enhances 170 acres of prior converted wetlands. Exotic and nuisance vegetation control was used, as well as innovative carp control. Burns realtor Jett Blackburn and retired Bend physicians William Ellis and Neil Goldsmith (partner owners of Sodhouse Farms) worked with the Natural Resources Conservation Service to coordinate the Wetland Reserve Program project.

Blackburn said that over the four-year period of the project, he learned the importance of building good working relationships with other agencies and adjacent landowners. He also stressed the importance of hiring highly experienced contractors to do the work. The

partners hired Andy's Custom Work of Burns because the firm had prior experience with this type of project, Blackburn said. The partners retained 100 acres of private land that also is being restored. They hope to open it to the public for tours next year. It will extend more than a mile into the refuge and should provide prime bird-watching opportunities, he noted.



(Principal project collaborators: from left, Andy Root (contractor) and partner landowners Jett Blackburn, William Ellis and Neil Goldsmith.)

## **Oregon Water Resources Department**

Recognition from the Water Resources Commission is given on an annual basis to individual citizens, groups, businesses, or other partners that adhere to the Oregon Water Resources Department's mission "to serve the public by practicing and promoting wise long-term water management" and for responsibly managing, conserving, and restoring Oregon's water resources. Recipients of a "Stewardship and Conservation Award" show

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*(OWRD awards, con't.)*

outstanding commitment to water conservation and implementation of water efficient operations.

### **Lucien and Juliette Gunderman, Crown Hill Farm - McMinnville, OR**



(Lucien & Juliette Gunderman at Crown Hill Farm)

Lucien and Juliette Gunderman operate an advanced hydroelectric project at Crown Hill Farm and have used exemplary conservation practices on their land over the years. Their hydroelectric project is a great example of the potential that small hydroelectric projects have to contribute to our state's sustainable energy production while providing excellent

stewardship of our natural resources.

The hydroelectric project is located in Yamhill County and uses about 160 acres of Crown Hill Farm land as the watershed that feeds three ponds. Water from these ponds is delivered by pipe to the powerhouse, which generates 56.81 theoretical horsepower using four cubic feet per second of water. The hydroelectric project is classified as a "minor" project, which means it generates less than 100 theoretical horsepower. The power generated by the project is used on-site for domestic and farm use, and the excess is sold to McMinnville Power and Light under a net metering agreement. The project uses a clean, renewable resource, and does not deplete any natural resources. The diversion ponds provide additional wildlife habitat, and the project's equipment monitors reservoir levels and water temperature to protect fish. Water exiting the

(Lucien Gunderman displays the twin generators at Crown Hill Farm.)



powerhouse is slowed to minimize erosion and water turbulence as it is returned to Baker Creek.

To finance the \$100,000 hydroelectric project, \$22,000 was obtained from the Oregon Office of Energy's Business Energy Tax Credit Program. The project will pay for itself in about 19 years, and the equipment used in the project should last for a century or more with little maintenance.

In 2002, a permanent conservation easement was also established on the 720-acre farm. This easement protects the land from future subdivision, limits timber cutting, provides for continued agricultural use, and seeks to enhance and maintain water quality in the watershed.

The philosophy of Crown Hill Farms is: *“Our heritage is never forgotten. Stewardship of the land and our customers are our purpose. Quality is our only standard. Stability and reliability is our continued reputation. Profitability is our future. Honesty is our only trademark. We’ll do whatever it takes to get the job done.”* This philosophy is clearly alive and well at Crown Hill Farms.



(Water is aerated before returning to Baker Creek)

### **Arnold Irrigation District - Bend, OR**

Arnold Irrigation District is a 4,500-acre irrigation district located near Bend, Oregon. Low streamflows and insufficient storage during the fateful dry summer of 1994 shut off the district's water supply and gave them a strong incentive to initiate a comprehensive water measurement program in 1995. The district recognized that a water measurement program could prepare them and, hopefully, prevent shutoffs during future droughts. The district installed measuring devices on all of their delivery canals, locked each of the headgates, and implemented a water ordering system that gave them more control over water use. The comprehensive measurement program was completed in 1996 and funded, in part, by a grant from the Water Resources Department for measuring devices in the delivery canals.

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*(OWRD awards, con't.)*

The results of this measurement program show, quite substantially, a reduction in their peak and seasonal water usage. The district serves about 4,500 acres and typically diverts 30,000 - 40,000 acre-feet. With measurement and conservation in place, the district has reduced their annual diversion by roughly 20% since the early 1970s. Most importantly, they have decreased their average summer flow from 115 cubic feet per second to about 90 cubic feet



(Arnold Irrigation District diversion project with fish screens.)



(Weir used to measure the quantity of flowing water.)

per second. The Arnold Irrigation District's comprehensive water measurement program demonstrates that responsible water management can have dramatic benefits for district water users, shore up existing water supplies, and provide benefits to summer streamflows.



# THE OREGON PLAN

*for salmon & watersheds*

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The Oregon Plan for Salmon and Watersheds seeks to restore salmon runs, improve water quality, and achieve healthy watersheds and strong communities throughout the state. These efforts cannot succeed through laws and government actions alone. Instead, the plan relies on the spirit of volunteerism and stewardship that is so characteristic of Oregonians.

Salmon live where we do -- following rivers that take them through cities, working forest and farm lands, and coastal estuaries. All of us -- citizens, sport and commercial fishing interests, the timber industry, conservation groups, agriculture, utilities, businesses, tribes and governments -- are working together to make sure people and salmon can thrive over the long term.

Oregon Watershed Enhancement Board  
775 Summer Street NE, Suite 360  
Salem, OR 97301-1290  
Telephone (503) 986-0178 Fax (503) 986-0199  
[www.oweb.state.or.us](http://www.oweb.state.or.us)

Oregon Plan for Salmon and Watersheds  
[www.oregon-plan.org](http://www.oregon-plan.org)

## Key Elements of the Oregon Plan

**Voluntary restoration actions** by private landowners--individuals and industry, rural and urban--with support from citizen groups, businesses, and local government.

**Coordinated state and federal agency and tribal actions** to support private restoration efforts, effectively administer regulatory programs, soundly manage public lands, and promote public education and awareness about watersheds and salmon.

**Monitoring** watershed health, water quality, and salmon recovery to document existing conditions, track changes, and determine the impact of programs and actions.

**Strong scientific oversight** by an independent panel of scientists who evaluate the plan's effectiveness, identify needed changes, and guide research investments.



**THE OREGON PLAN**  
*for salmon & watersheds*

## You Can Become a Partner!

**Everyone**--city dwellers, suburban residents, gardeners, woodlot owners, farmers, ranchers, business people, educators, students--can help achieve the goals of the Oregon Plan for Salmon and Watersheds.

**Lend a hand.** Organizations throughout Oregon are bringing people together to protect and restore vibrant human and wildlife communities. Local watershed councils, soil and water conservation districts, and nonprofit groups all need volunteers to roll up their sleeves and help make a difference on the ground.

**Take easy actions at home and at work.** Each of us can take steps to conserve water, minimize the release of chemicals to Oregon waterways, maintain septic systems, and landscape and build wisely.

**Implement best practices.** Assistance is available to help forest, agricultural, commercial, and industrial landowners manage their properties to protect and restore healthy watersheds.



**THE OREGON PLAN**  
*for salmon & watersheds*

# Everyone can benefit. Anyone can help!

## Support the Oregon Plan for Salmon and Watersheds!

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Visit the Oregon Plan for Salmon and Watersheds website [www.oregon-plan.org](http://www.oregon-plan.org) for comprehensive information about the plan, what you can do, and the wide range of public agencies and private organizations ready to help you take action to protect and restore your part of Oregon.

Telephone the Oregon Watershed Enhancement Board (OWEB) in Salem at (503) 986-0178 for information and referrals.

Contact your local:

- Watershed Council (call OWEB or visit the website for list of more than 90 Oregon Watershed councils)
- Soil and Water Conservation District
- Oregon State University Extension Service
- Driver and Motor Vehicle Services (purchase an attractive salmon license plate for your vehicle to support salmon habitat restoration)

# *Sincere Thanks...*

to those who helped make this event possible.

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The Oregon Plan Outreach Team, the Oregon Watershed Enhancement Board and sponsoring state agencies worked in partnership to make this day special for those so deserving!

On behalf of all Oregonians,  
we congratulate our 2004 honorees!

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Oregon  
Department  
of Agriculture



OREGON  
DEPARTMENT OF  
ENERGY



Oregon  
Department  
of State Lands

