



**Tennmile Lakes' Basin Partnership  
2005 Project  
Presentation**

# **Tonight's Presentation Includes:**

**Clear Creek Culvert #4**

**Shutters Creek Bridges #1 & #2**

**Shutters Cr. Culverts #3 & #4**

**Swanson Bridge #1 and Fencing**

**Swanson Culvert #2**

**Sunlake Dr. Bridge**

**Sunlake Trib. B Bridge**

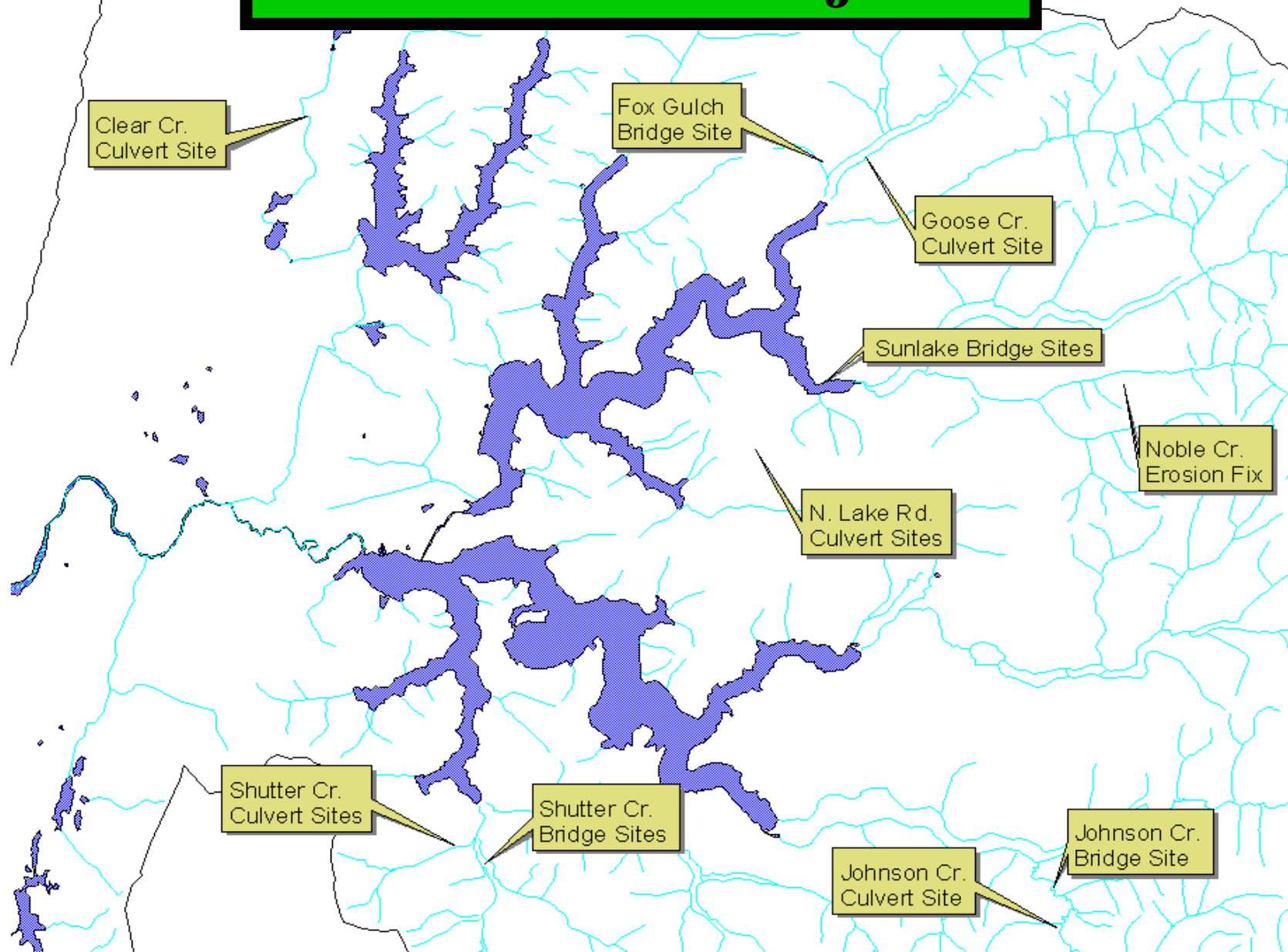
**Fox Gulch Bridge**

**Goose Creek Ditch Relief**

**Northlake Rd. Ditch Reliefs #1 & #2**

**Noble Cr. Erosion Fix**

# Locations of Projects



# Contractors

## Green Excavating

1. Clear Cr. Culvert #4
2. Sunlake Trib. B. Bridge
3. Shutters Cr. Bridges 1 and 2
4. Shutters Cr. Culverts 3 and 4
5. Swanson Bridge 1
6. Swanson Culvert

## LTM

1. Fox Gulch Bridge
2. Goose Cr. D. R.

## Coos County Road Dept.

1. Sunlake Dr. Bridge
2. N. Lake Rd. D.R.s 1 and 2

## Jeff Francis

Noble Cr. Erosion Fix

# Clear Creek Culvert #4

## Problems:

Chronic sediment  
source.

Fish passage.

**Before**





**Initial Fill Removal:**

**~700 cu. yds.**





**Culvert 96" x 40'**



**Stream miles improved: ~3**

**Total fill removal: ~60 cu. yds.**

**Cost: ~\$13,000**



**In Partnership  
with:**

**Vic Abston**

**OWEB**

**TLBP**

**After**

# Shutters Cr. Bridge #1

Larsen Ranch La  
Bridge Placement  
3-29-04

**Problems:**

**Chronic sediment  
source**

**Before**



1 TON CAPACITY

2 TON CAPACITY

3 TON CAPACITY

**Steel I-Beam  
Stringers**





**Bridge: 12'W x 14'L**

**Stream miles improved: ~2**

**Fill removed: ~15 cu. yds.**

**Cost: ~\$20,000.00**

**After**

In partnership with:

Jim Larsen

OWEB

319 ODEQ

TLBP



# Shutters Cr. Bridge #2



## Problems:

Chronic sediment source.

Fish passage

Before



**Bank Stabilization**





**Steel I-Beam Stringers**

**Bridge: 12'W X 18.5'L**  
**Stream miles improved: ~2**  
**Fill removed: ~61 cu. yds.**  
**Cost: \$17,895.00**

12' W X

**In partnership**  
**with:**  
**Jim Larsen**  
**OWEB**  
**319 ODEQ**  
**TLBP**



**After**

# Shutters Cr. Culvert #3



**Problems:**

**Chronic sediment  
source.**

**Before**



**Failed, old style, cement sectional culvert**



**Culvert 48" x 40'**

**In partnership with:**

**Jim Larsen**

**OWEB**

**319 ODEQ**

**TLBP**

**Stream miles improved ~1**

**Fill removal ~25 cu. yds.**

**Cost ~\$2,000.00**

**After**



# Shutters Cr. Culvert #4

## Problems:

Chronic sediment source.

Before





**Culvert 48" X 80'**



**Stream miles improved: ~1**

**Fill removed: ~50 cu. yds.**

**Cost: ~\$6,000.00**



**After**

**In partnership with;**

**Jim Larsen**

**OWEB**

**319 ODEQ**

**TLBP**

# Swanson Bridge #1

**Problems:**

**Sediment  
Abatement**

**Before**





**I-Beam weight: ~5,000 lbs.**



**Steel I-Beam Stringers**





**Bridge: 12'W x 58'L**  
**Stream miles improved: ~3**  
**Fill removal: ~40 cu. yds.**  
**Cost: ~\$38,000.00**

**After**

**In partnership with:**  
**Richard Swanson**  
**OWEB**  
**319 ODEQ**  
**TLBP**

# Swanson Culvert



**Problem:**

**Chronic  
sediment  
source.**

**Fish  
Passage**

**Before**



**Culvert: 48" x 40'**  
**Stream miles improved: ~2**  
**Fill removed: ~25 cu. yds.**  
**Cost: ~\$4,800.00**

**After**



**In partnership  
with:**

**Richard  
Swanson**

**OWEB**

**319 ODEQ**

**TLBP**



# Sunlake Trib. B Bridge

Sunlake Drive  
Culvert Site #2  
Inlet 12-27-02

## Problems:

Chronic sediment  
source.

Fish Passage.

Extensive relocate.

**Before**

# Verizon Relocate:

~ 600 ft of trenching

~ 600 ft of 4 in conduit



**Cost: ~\$3,500**

**Armored  
Banks**





**Steel I-Beam  
Stringers**

# Acquiring Approach Fill



# Improvising



# Erosion Control





**Bridge: 16'W x 24'L**

**Stream miles improved: ~1.5**

**Fill removed: ~20 cu. yds.**

**Cost: ~\$14,500.00**

**After**

**In partnership with:**

**Terri and Wayne Scott**

**OWEB**

**TLBP**





# Sunlake DR. Bridge

Sunlake Lane  
Trib. A SC-1  
Inlet 1-9-03

## Problems:

Chronic sediment  
source.

Fish passage.

**Before**



**Ready for the slabs**



PRIVATE ROAD

**Bridge Slabs:**  
**1'D x 3'W x 28'L**  
**wt. ~17,000 lbs**



**Bridge: 21'W x 28'L**

**Stream miles improved ~2**

**Fill removed ~200 cu. yds.**

**Cost: ~\$10,537.00**

**After**

**Special thanks to:**

**Al and Ruth Adams**

**Merle Range**

**of Sunlake Marina**

**For their assistance.**



**After**



**Before**

**In partnership with:**

**Sunlake Rd. Committee**

**Coos County**

**OWEB**

**319 ODEQ**

**TLBP**

# N. Lake Rd. Ditch Relief Culverts



#2

In partnership with:

Coos County      319 ODEQ

OWEB      TLBP



#3

**Problems:**

**Chronic sediment source.**

**Road erosion**

**Before**

A photograph showing the installation site for culvert #2. A corrugated metal culvert pipe is partially buried in a trench. The trench is filled with brown soil and some rocks. A wooden stake is driven into the ground next to the pipe. The surrounding area is covered in dark gravel. A black box with the number #2 is in the top left corner.

**#2**

A solid green rectangular background with a black border containing the word "After" in a black serif font.

**After**

A photograph showing the installation site for culvert #3. A corrugated metal culvert pipe is partially buried in a trench. The trench is filled with brown soil and some rocks. A wooden stake is driven into the ground next to the pipe. The surrounding area is covered in dark gravel. A black box with the number #3 is in the top left corner.

**#3**

**D. R. Culvert #2: 24" x 50'**

**Cost: ~\$2,800.00**

**D. R. Culvert #3: 24" x 40'**

**Cost: ~\$2,300.00**

# Fox Gulch Bridge



## Problems:

Chronic  
sediment source.

Fish passage.

Before





**Wood Stringers**



**In partnership with:**

**Jim and Annie  
Linwood**

**OWEB**

**319 ODEQ**

**TLBP**



**Bridge: 12'W x 16'L**

**Stream miles improved ~1.5**

**Amount of fill removed ~3.4 cu. yds.**

**Cost: ~\$15,888.50**

**After**

# Goose Cr. Ditch Relief

**Problem:**  
Chronic sediment source.



**Before**

In partnership with:

**Jim and Annie Linwood**

**OWEB**

**319 ODEQ**

**TLBP**

**After**



# Noble Cr. Bank Stabilization and Fencing

**Before**



**Problem:**

**Chronic sediment source.**

**Riparian zone functions.**



**Shaping the Banks**

# Seeding covered with jute matting





**In partnership with:**

**Joe and Maria Goularte**

**OWEB**

**TLBP**

**Cost: ~ \$5,500.00**



**After**

# 2005 Project Summary

**Total Projects**\_\_\_\_\_ **15**

**Cubic Yds. Removed**\_\_\_\_\_ **~ 500**

**Stream Miles Improved**\_\_\_\_\_ **~ 19**

**Grant funds**\_\_\_\_\_ **\$145,020.50**

**In-kind values**\_\_\_\_\_ **~ \$78,977.00**

**Total cost of projects**\_\_\_\_\_ **~ \$223,997.50**

# Sunlake Marina December '05'



# Johnson Creek December '05'





Disappearing  
Fence.

# Sunlake Drive Bridge December '05'



# Johnson Creek    December '05'



# Johnson Creek December '05'





# 2006 Projects

Swanson Bridges # s 2 and 3

Willow Cr. Bridge

Maria Gulch Bridge

# 2007 Projects

Shutters Cr. Bridges #s 3 and 4

Freelund Bridge #1

Freelund Culvert Removal

Bowron Cr. Bridge #1

Northlake Rd. Ext. Culverts #s SC-10 and 11

# Fencing

Noble Cr., Alder Cr., Johnson Cr., Hatchery Cr., Maria Cr.

# Weyerhaeuser Donations

Steel I-Beams

Culverts

Eco-Blocks





**Thanks  
Weyerhaeuser and Gary Wallace**



# International Paper at Gardiner

## Donations



**Steel Culverts**

**Steel I-Beams**



**Thanks  
International Paper  
And  
Ian Wright**



# Coos County

## Donations

~ 60 Cement Bridge Slabs



# Thanks for the In-kind Contributions

**For providing your time, equipment, material staging areas, and expertise for the betterment of are lakes.**

**Harlon Green**

**Harvey Wilcox**

**Robert Bogart**

**City of Lakeside**



**May Your Sediment Be  
Abated And Your  
Passages Always Be  
Open**

**THE END**