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# CITY OF ASHLAND

## AIRPORT COMMISSION AGENDA

COMMUNITY DEVELOPMENT & PW BUILDING, 51 WINBURN WAY

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April 3, 2018 9:30 AM

CALL TO ORDER: 9:30 AM

1. Request for Additional Items from Commission Members
  - A. Public Forum:
2. APPROVAL OF MINUTES FROM March 6, 2018 MEETING
3. OLD BUSINESS:
  - A. Action Item List
    - a. Hangar enclosure project
    - b. Tree topping project
    - c. Landscaping
    - d. Restroom Improvements
    - e. Web Cam adjustment
  - B. Electric Department Ground Lease
  - C. Leaking Hydrant
  - D. Paving around hangars
4. NEW BUSINESS:
  - A. Airport: Good Neighbor Items
  - B. Budget Review
  - C. Door repair discussion
5. FBO REPORT(S):
  - A. Attached –
  - B. Maintenance Updates
6. INFORMATIONAL ITEMS:
  - A. Brown Bag Lunch
  - B. TC Meeting Update
  - C. Medford Update
7. AIRPORT DAY PLANNING
8. NEXT MEETING DATE: **May 1, 2018 9:30 AM**

Call Scott at 552-2412 if you will be unable to attend!

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the City Administrator's office at (541) 488-6002 (TTY phone number 1-800-735-2900). Notification 48 hours prior to the meeting will enable the City to make *reasonable arrangements to ensure accessibility to the meeting (28 CFR 35.102-35.104 ADA Title I)*.



CITY OF  
**ASHLAND**  
 Ashland Airport Commission  
 Contact List as of April 2018

Name	Title	Telephone	Mailing Address	Email Address	Term
George Schoen	Commission Member	415-298-4516	610 Ashland St.	<a href="mailto:George.schoen@sbcglobal.net">George.schoen@sbcglobal.net</a>	2020
William Skillman	Commission Member	541-482-2148	635 Oak Knoll Dr.	<a href="mailto:Skillman_Ashland@yahoo.com">Skillman_Ashland@yahoo.com</a>	2019
Daniel Palomino	Commission Member	541-488-1964	2020 Jasmine Ave.	<a href="mailto:Dpal71@gmail.com">Dpal71@gmail.com</a>	2020
Lincoln Zeve	Commission Vice Chair	541-482-5436	2710 Siskiyou Blvd.	<a href="mailto:lincolnzeve@gmail.com">lincolnzeve@gmail.com</a>	2019
Bernard Spera	Commission Member	541-488-7461	260 Skycrest Dr.	<a href="mailto:SpBRN3@aol.com">SpBRN3@aol.com</a>	2018
David Wolske	Commission Chair	541-482-3233	1390 Frank Hill Rd.	<a href="mailto:david@davidwolske.com">david@davidwolske.com</a>	2018
Susan Moen	Commission Member	541-201-0678	43 Morninglight Dr.	<a href="mailto:silverwinglodge@charter.net">silverwinglodge@charter.net</a>	2019
Dana Greaves	Commission Member	541-488-3379	900 Strawberry Lane	<a href="mailto:dana@vortx.com">dana@vortx.com</a>	2020
Michael Morris	Council Liaison	541-890-0506	20 E. Main Street	<a href="mailto:mike@council.ashland.or.us">mike@council.ashland.or.us</a>	
Vacancy					

**Airport FBO**

Bob Skinner Fixed Base Operator 403 Dead Indian Memorial Rd. [bob@skinneraviation.com](mailto:bob@skinneraviation.com)

**Staff Support**

Scott Fleury Engineering Service Manager 541-488-5347 20 E. Main Street [scott.fleury@ashland.or.us](mailto:scott.fleury@ashland.or.us)  
 Kaylea Kathol Project Manager 541-552-2419 20 E. Main Street [kaylea.kathol@ashland.or.us](mailto:kaylea.kathol@ashland.or.us)  
 Tara Kiewel Administrative Assistant 541-552-2428 20 E. Main Street [tara.kiewel@ashland.or.us](mailto:tara.kiewel@ashland.or.us)

Ashland Airport Commission

MINUTES

March 6, 2018

These minutes are pending approval by this Committee

**CALL TO ORDER**

Wolske called meeting to order at 9:30 AM

**Members Present:** David Wolske (Chair), Lincoln Zeve, George Schoen, Daniel Palomino, Bernard Spera, Bill Skillman, Dana Greeves, Mike Morris (Council Liaison), and Susan Moen (10:00 am)

**FBO Present:** Bob Skinner

**Staff:** Scott Fleury, Kaylea Kathol, and Tara Kiewel

**Guests:** Mike Dane, Matt Rogers, David Miller by video and Samantha Peterson by video (Century West Engineering), Lance Wyss (Fresh Water Trust), Andrew Vandenberg, Dawn Lamb

**APPROVAL OF MINUTES**

January 9, 2018 Minutes approved by consensus.

**Public Forum**

None

**NEW BUSINESS:**

- A. Master Plan Update – presentation by Century West Engineering see attached**  
Completed inventory moving on to forecasting the current aviation demand.  
Send comments and edits to Fleury and they will make required updates.

Wolske described an Oregon Department of Aviation economic analysis that was put together a couple years ago. It was useful and wondered if it will be utilized for the Master plan. Rogers explained it is a separate study, but we can review and discuss the economic data.

Skinner asked if next step is infrastructure. Rogers confirmed and said that they will look at every facility and compare it to the current FAA standards. There have been some changes to the standards since the last Master Plan was completed. They will look at how the facilities conform to standards and note any deficiencies. For ongoing issues like the fencing it will be identified and addressed during development alternatives. Skinner asked if there is anything preliminary that may be an issue. Rogers said displaced thresholds is an area of focus.

The next Master Plan meeting will be held August 7, 2018. The Commission discussed having a regular Commission meeting, an afternoon Master Plan meeting followed by a public open forum.

- B. Freshwater Trust Presentation – Lance Wyss see attached**  
Fresh Water Trust is proposing a Neil Creek and Emigrant Creek Habitat restoration project. The Airport would provide critical access for the project which will remove non-natives plants and berries, treat for noxious weeds, replant with native plants, and adding

**Ashland Airport Commission**  
**MINUTES**  
**March 6, 2018**

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logs to the creek for fish habitat. The project is funded by the Bureau of Reclamation and proposed to begin in 2019 or 2020.

Palomino would like to see a walking trail in the Riparian area. Wolske explained that this has been previously discussed and discouraged because we don't want to encourage people walking in areas that could interfere with aircraft. Palomino asked about fencing along the Riparian area and joining these projects together. Skinner mentioned the last time we approached the FAA about fencing they wanted it along property lines which meant the fence would cross the creek in locations. Kathol asked if this restoration works project would be required to go into an easement. Wolske asked where fencing could go and Wyss will provide that information in a few weeks.

*Moen motioned the Airport Commission supports the proposal of the Fresh Water Trust habitat restoration project at Neil Creek.*

*Second Palomino*  
*Vote: all approved*

Automatic Dependent Surveillance-Broadcast (ADS-B) Program- Skinner was contacted by Motion Info interested in putting equipment at the Airport. Would consist of two or three antennas, a receiver that would be powered by the Airport and use the internet services. There would be no costs to the Airport. This would increase ADS-B coverage in the area. The commission was in agreement that this is would be a benefit of the airport and that Skinner should continue to research this project.

- C. Automatic Dependent Surveillance-Broadcast (ADS-B) Program-** Skinner was contacted by Motion Info interested in putting equipment at the Airport. The equipment would consist of two or three antennas and a receiver that would be powered by the Airport and use the internet services. There would be no costs to the Airport. This would increase ADS-B coverage in the area. The commission was in agreement that this is would be a benefit of the airport and that Skinner should continue to research this project.

*Greaves motioned The Airport Commission supports the ADS-B program as presented and supports Skinner to continue to work on this project.*

*Second Skillman*  
*Vote: all approved*

- D. Commission Vacancy** – Wolske asked Morris about the next steps in the process for filling the vacancy. Andrew Vandenberg has applied and been vetted by the Commission and is waiting for approval from the Mayor and Council. Morris is going to check with the Mayor. Zeve

**Ashland Airport Commission**  
**MINUTES**  
**March 6, 2018**

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asked what the concern is with a conflict of interest. Morris said the concern is having an employer and employee relationship on the Commission. It is driven by State regulations and legal is reviewing.

- E. **Airport: Good Neighbor Items** - none
- F. **Budget Review** – Kathol updated the Commission a total of \$42,000 of the total Capital Outlay budget has been spent. Expensed include; landscaping and spraying, hangar door repairs, and tree trimming. The Commission discussed the cost of the hangar door repairs and would like to discuss this at the next meeting.

**OLD BUSINESS:**

- A. **Action Item List**
  - a. Paving dirt areas around the hangars/ Excavating gravel around the hangars. Kathol is waiting for a response from the Waste Water Collections Department.
  - b. Hangar enclosure project - none
  - c. Tree topping project –Kathol updated the Commission that the contractor received a notice to proceed and will begin work soon.
  - d. Landscaping – bark has been laid and the area sprayed with pre and post emergent herbicide.
  - e. Restroom Improvements – Kathol is working on a bid proposal.
  - f. Web Cam adjustment – Skinner spoke with SOS, but is waiting for more information.
  - g. Letters to non-compliant tenants - Skinner did a hangar walkthrough. City is waiting for a list of the non-compliant tenants before sending letters.
  - h. Solar Panels- Wolske asked Morris the status of the solar with the City. Morris said that the City has done a survey of all facilities and asked Adam Hanks to give the Commission an update.
- B. **Parks Maintenance Schedule** – Kathol updated the Commission that Fleury had met with the Parks Department. They will be setting a maintenance calendar to use going forward and will notify Skinner when they are on site near the runway and the return taxi way. Parks will be given radios to be able to hear flight traffic when around the runway. Fleury will meet with Parks again to go over the aerial to address areas of concerns.

**Open Discussion**

Palomino has seen scat around the hangars and wants it to be addressed. It may be from dogs. Wolske said the Commission made a recommendation to not allow dogs to be walking at the airport in front of the hangars. Skinner said we may need more signage regarding this issue.

Fire Hydrant – Palomino mentioned a fire hydrant is leaking. Skinner explained this has been an ongoing issue and was told it was not a leak but a ground spring. Kathol will contact Steve Walker regarding this issue.

**Ashland Airport Commission**  
**MINUTES**  
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Door Hangar Repair- Palomino inquired about hangar door work that was supposed to help keep pigeons out of the hangars. Kathol mentioned the City uses American Industrial Door to repair the doors. Skinner questioned why we would bird proof hangars. This has not been done in the past. It can be very expensive to make improvements to the old hangars, and we may be improving them beyond what we should be. The Commission would like to review the door hangar repair process.

Greaves mentioned that he has twice found his hangar doors opened. Palomino questioned if it could be the wind because that has opened hangar doors in the past. Skinner suggested that Greaves check the pins for his hangar doors to make sure they fully engage.

6. FBO REPORT(S):
  - A. Attached –Palomino questioned if the land leased by the Electric Department be on the FBO report. Skinner said that it hasn't been listed on the report but all other Airport ground leases go through the FBO. Palomino believes it should be on the report because it is income. Kathol will research and update the Commission.
  - B. Maintenance Updates - none
  
7. INFORMATIONAL ITEMS:
  - A. Brown Bag Lunch
  - B. TC Meeting Update
  - C. Medford Update

**8. Airport Day - June, 2, 2018 from 8:00 a.m. until 3:00 p.m.**

Zeve thanked Lamb for her assistance with Airport Day. Lamb asked if the electrical updated had been done to the FBO hangar for the food trucks. Kathol will check. Lamb asked for any changes or updates to flyers. 100 will be printed. The Commission went over the task list and assigned duties. Zeve asked for any other suggestions. Graves is on the board at the Rogue Valley Flying Club and will announce it. Wolske mentioned that people come to see airplanes so if we can encourage people to fly in to show off their planes that would be great.

**NEXT MEETING DATE: April 3, 2018 9:30 AM**

**ADJOURNMENT:** 12:00 PM

*Respectfully submitted,*

*Tara Kiewel*

*Public Works Administrative Assistant*

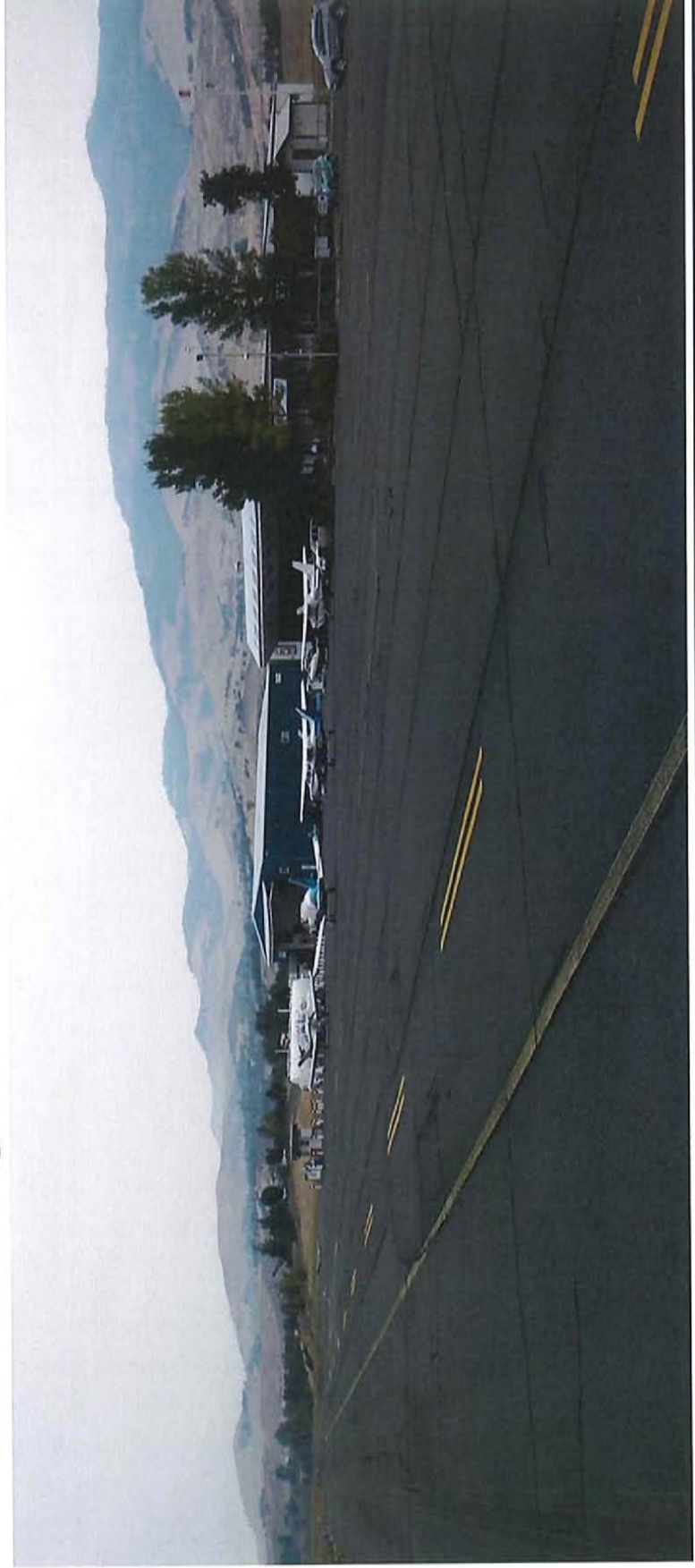


ASHLAND MUNICIPAL AIRPORT  
Airport Master Plan

# Ashland Municipal Airport

## Airport Master Plan

### Planning Advisory Committee Meeting #2





## Aviation Activity Forecasts

The purpose of the forecast analysis is to define current and future demand at Ashland for the 20-year planning period:

- Based Aircraft
- Aircraft Operations (Takeoffs and Landings)
- Specific Activity (Peaking, Aircraft Fleet Mix, etc.)
- Define Current and Future Critical Aircraft





## Historic Population Growth

### Since the 2010 Census:

- Jackson County averaged 0.94% growth per year (2010-2017)
- City of Ashland averaged just above 0.44% per year (2010-2017)



## Future Expectations

### Population Growth (2015-2035) PSU Forecasts

- Jackson County expected to grow at more than 1% percent annually
- City of Ashland expected to grow at about 0.5% annually



## National Expectations

### U.S. General Aviation (2016-2037)

- U.S. GA Fleet forecast to grow by 1.7%
  - Fixed-wing piston fleet to **decline by 16%**
  - Fixed-wing turbine fleet to increase by 49%
  - Helicopter (piston and turbine) fleet to increase by 41%
  - Sport Aircraft fleet to increase by 133%

## National Expectations

### U.S. General Aviation (2016-2037)

- GA Hours Flown forecast to increase by 22%
  - Fixed-wing piston hours **decline by 16%**
  - Fixed-wing turbine hours increase by 68%
  - Helicopter (piston and turbine) hours increase by 53%
  - Sport Aircraft hours increase by 159%



## National Expectations

### U.S. General Aviation (2016-2037)

- Total fuel consumed forecast to increase by 43%
  - AVGAS consumption declines by 9%
  - Jet Fuel consumption increases by 50%



# Ashland Baseline Data

## Ashland Based Aircraft (2017 Airport Management Count)

Aircraft Type	2017
Single Engine Piston	64
Multi-engine Piston	2
Turboprop	0
Business Jet	1
Helicopter	5
LSA/Experimental	2
<b>Total</b>	<b>74</b>

## Based Aircraft & Aircraft Operations Forecasts

### Existing Forecasts

- 2005 Airport Layout Plan
- FAA Terminal Area Forecast (TAF) – 2018 Update
- 2007 Oregon Aviation Plan (OAP)

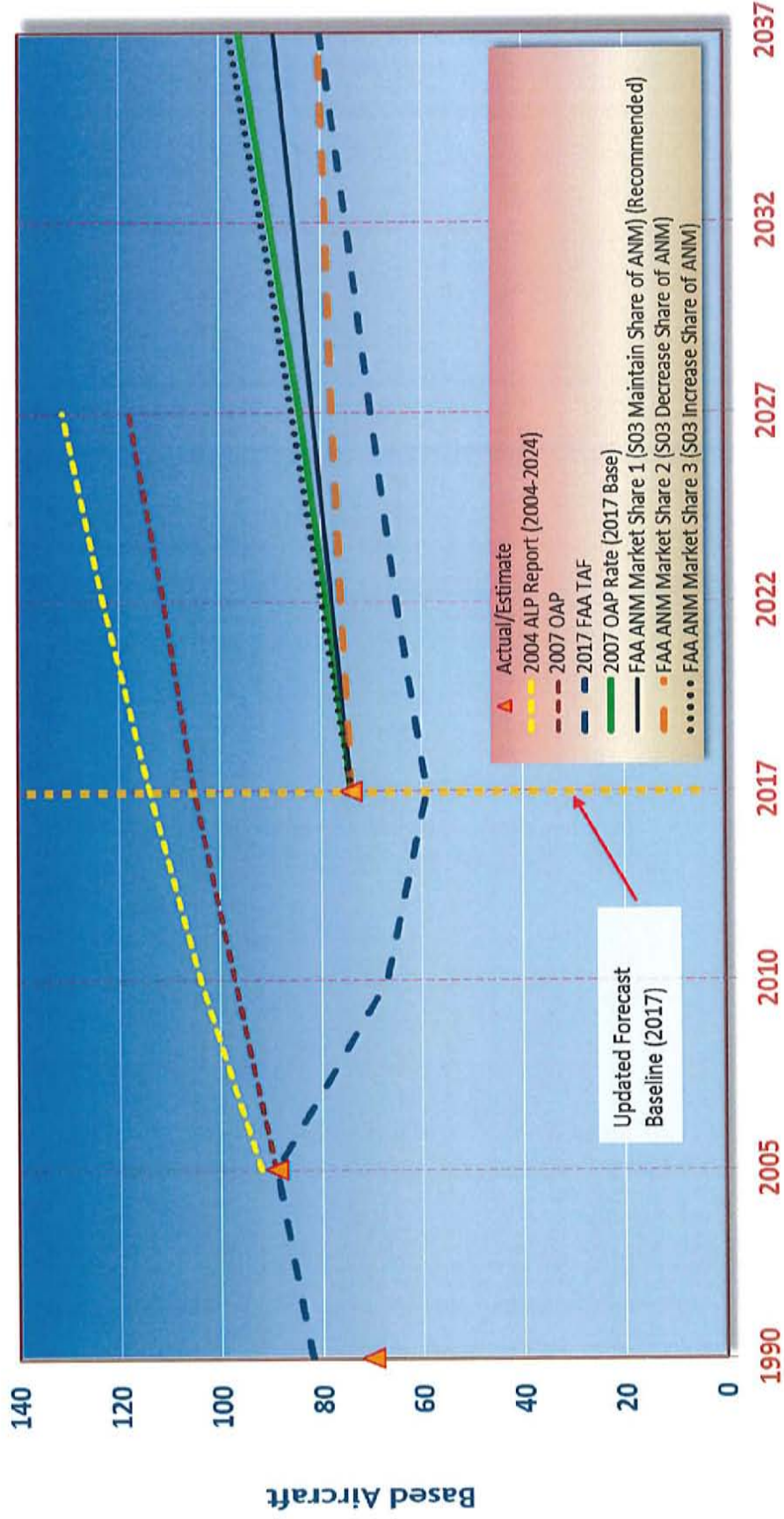
### Updated Forecasts

- Updated forecasts developed using regional market share and regression analysis techniques



# ASHLAND MUNICIPAL AIRPORT Airport Master Plan

## Based Aircraft Forecasts







# Selected Forecast

## 2017-2037

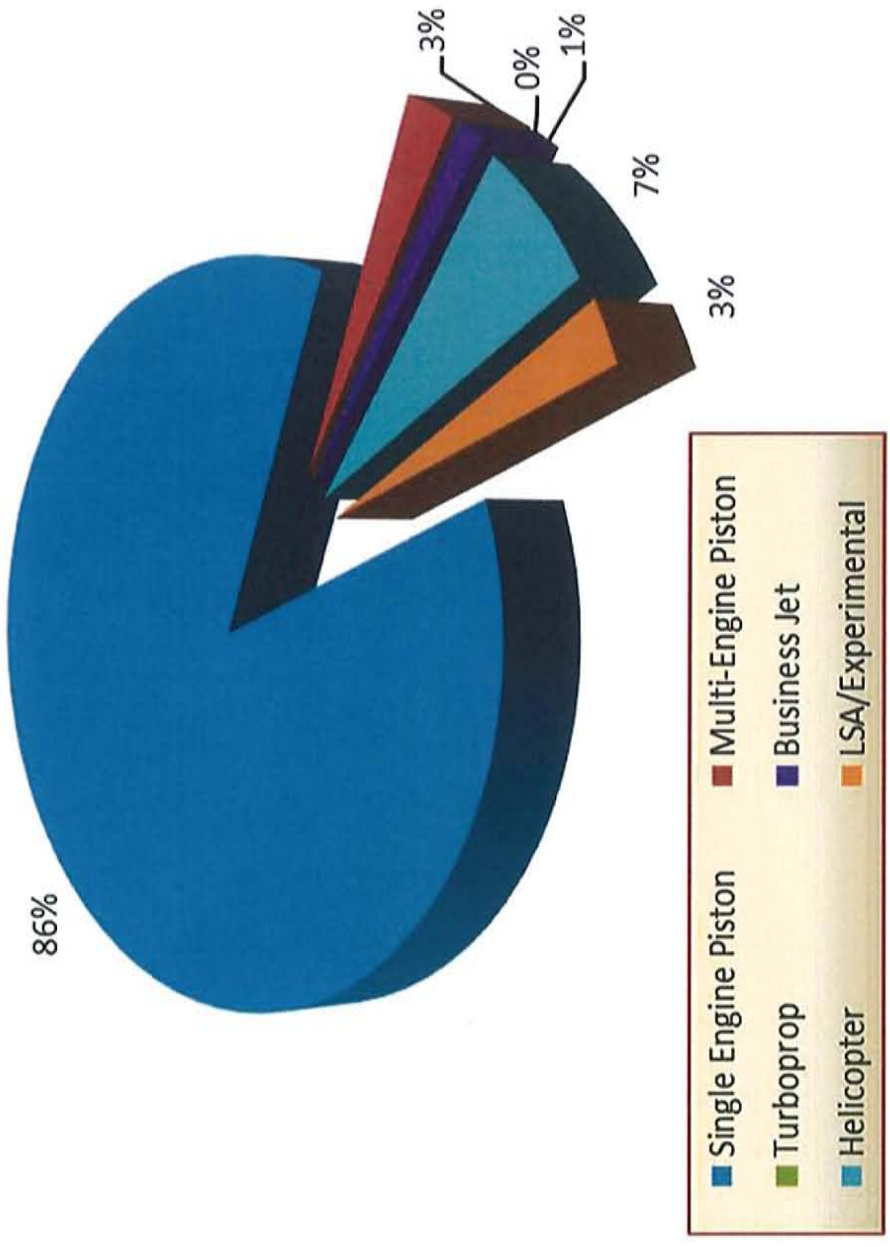
### Approximate Mid-Range Projection

- Based Aircraft – 0.93% Average Annual Growth
- Net Increase of 15 Based Aircraft
- Operations – 0.93% Average Annual Growth

	2017	2022	2027	2032	2037
GA Operations	23,864	25,094	26,314	27,490	28,769
Based AC	74	78	82	85	89



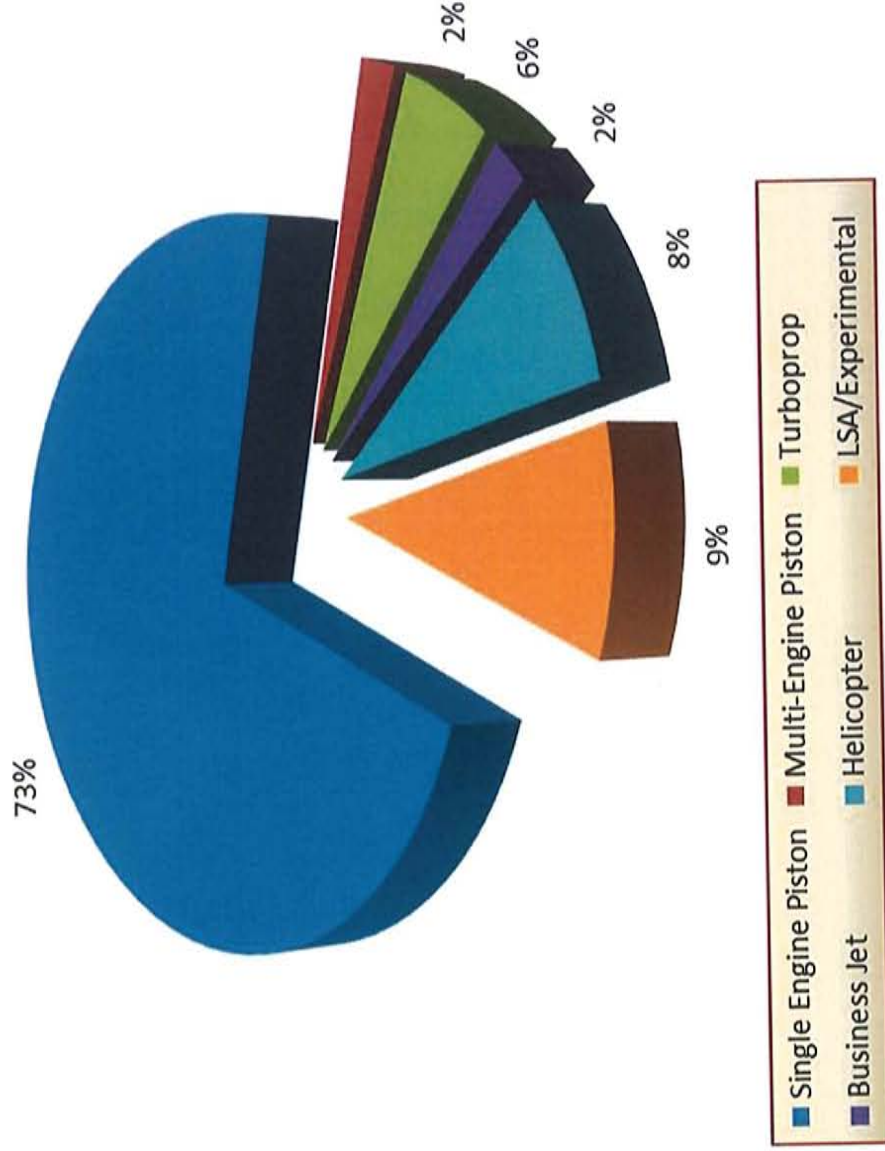
# Based Aircraft Fleet Mix (Current)





## ASHLAND MUNICIPAL AIRPORT Airport Master Plan

# Based Aircraft Fleet Mix (Future)



# Estimated 2017 Aircraft Operations

## GA Aircraft Operations Estimate

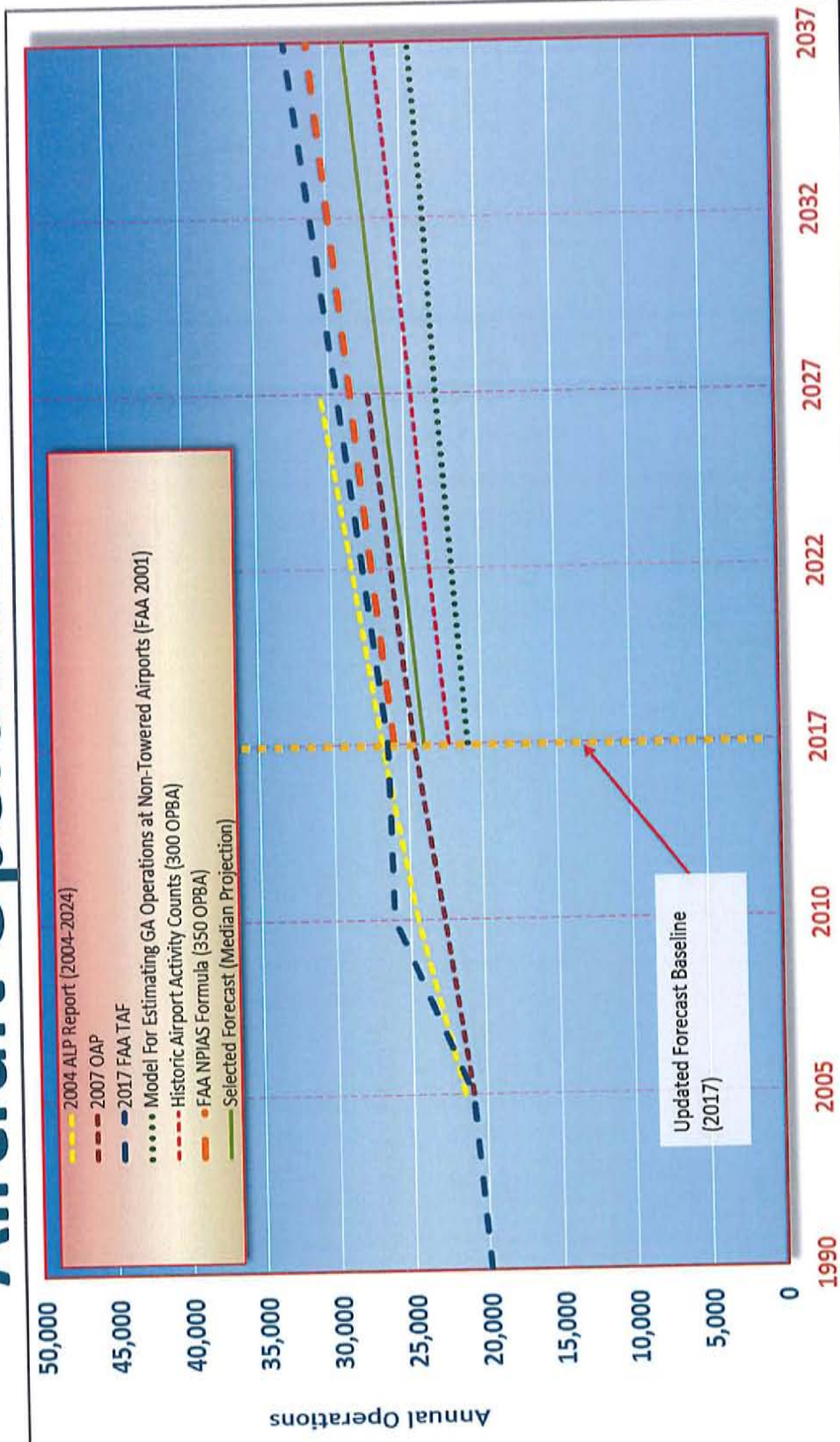
2017: 23,864 annual operations

- Air Traffic Segments
  - Fixed Wing (21,864)
  - Helicopter (2,000)



ASHLAND MUNICIPAL AIRPORT  
Airport Master Plan

# Aircraft Operations Forecasts





## Critical (Design) Aircraft

(Existing & Future)

Beechcraft Baron G58


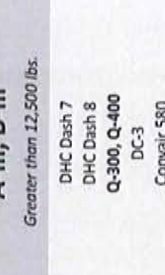
(Representative AC type: small multi-engine piston)

**Airport Reference Code (ARC): B-I**



# ASHLAND MUNICIPAL AIRPORT

## Airport Master Plan

	<p><b>A-I</b> 12,500 lbs. or less (small)</p> <p>Beech Baron 55 Beech Bonanza Cessna 182 Piper Archer Piper Seneca</p>	<p><b>B-I</b> 12,500 lbs. or less (small)</p> <p>Beech Baron 58 Beech King Air 100 Cessna 402 Cessna 421 Piper Navajo Piper Cheyenne Cessna Citation I</p>	<p><b>A-II, B-II</b> 12,500 lbs. or less (small)</p> <p>Super King Air 200 Cessna 441 DHC Twin Otter Cessna Caravan King Air C90</p>	<p><b>B-II</b> Greater than 12,500 lbs.</p> <p>Super King Air 300, 350 Beech 1900 Jetstream 31 Falcon 20, 50 Falcon 200, 900 Citation II, Bravo XLS+ Citation CJ3</p>	<p><b>A-III, B-III</b> Greater than 12,500 lbs.</p> <p>DHC Dash 7 DHC Dash 8 Q-300, Q-400 DC-3 Convair 580 Fairchild F-27 ATR 72 ATP</p>
	<p><b>C-I, D-I</b> Lear 25, 35, 55, 60 Israeli Westwind HS 125-700</p>	<p><b>C-II, D-II</b> Gulfstream II, III, IV Canadair 600 Canadair Regional Jet Lockheed JetStar Citation X Citation Sovereign Hawker 800 XP</p>	<p><b>C-III, D-III</b> Boeing Business Jet B 727-200 B 737-300 Series MD-80, DC-9 Fokker 70, 100 A319, A320 Gulfstream V Global Express</p>	<p><b>C-IV, D-IV</b> B-757 B-767 DC-8-70 DC-10 MD-11 L-1011</p>	<p><b>D-V</b> B-747 Series B-777</p>

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**CENTURY WEST**  
ENGINEERING CORPORATION

**AIRPORT REFERENCE CODES (ARC)**



# ASHLAND MUNICIPAL AIRPORT

## Airport Master Plan

- BUILDING/FACILITY KEY**
- ① SEGMENTED CIRCLE
  - ② SUPER AWKIDS
  - ③ TIEDOWN APRON
  - ④ AIRCRAFT FUEL
  - ⑤ EQUIPMENT STORAGE
  - ⑥ HANGARS
  - ⑦ RFO



- LEGEND**
- PROPERTY BOUNDARY
  - - - AIRPORT FENCE
  - VEHICLE GATE
  - FUEL GATE



ASHLAND MUNICIPAL AIRPORT  
AIRPORT MASTER PLAN

EXISTING AIRFIELD CONDITIONS  
FIGURE 2-2



# ASHLAND MUNICIPAL AIRPORT

## Airport Master Plan



LEGEND	
	PROPERTY BOUNDARY
	AIRPORT FENCE
	VEHICLE GATE
	PED. GATE
	BUILDING (CITY OWNED)
	BUILDING (TENANT OWNED)

FACILITY KEY	
1	AIRCRAFT WASH PAD
2	AIRCRAFT APRON
3	FIXED BASE OPERATOR
4	FUELING AREA
5	VEHICLE PARKING
6	BEACON
7	TEMPORARY EQUIPMENT STORAGE & VEHICLE PARKING

BUILDING KEY	
506	T-HANGAR
508	HANGAR
402	FIXED BASE OPERATOR (FBO)
406	HANGAR
407	HANGAR
410	HANGAR
411	HANGAR
415	HANGAR
416	HANGAR
417	HANGAR
422	T-HANGAR & OFFICE
425	BBM HANGAR & OFFICE
431	HANGAR
432	T-HANGAR/HANGAR
437	T-HANGAR
438	BBM HANGAR
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## Next Steps

### Next PAC Meeting & Public Information Meeting

August 7, 2018

(Date may be moved up)

### Chapter 4 – Facility Requirements

- Hangar/Apron Demand + Development Reserve
- Runway Configurations & Standards
- Part 77 Obstructions (AGIS Data)
- Nonconforming Items

## Next Steps (Continued)

### Chapter 5 – Alternatives Analysis

- Airside Development
  - Runways
  - Taxiways
  - NAVAIDS
- Landside Development
  - Apron Taxilanes
  - Aircraft Parking (Small/Large Tiedowns, Helicopter, etc.)
  - Hangars



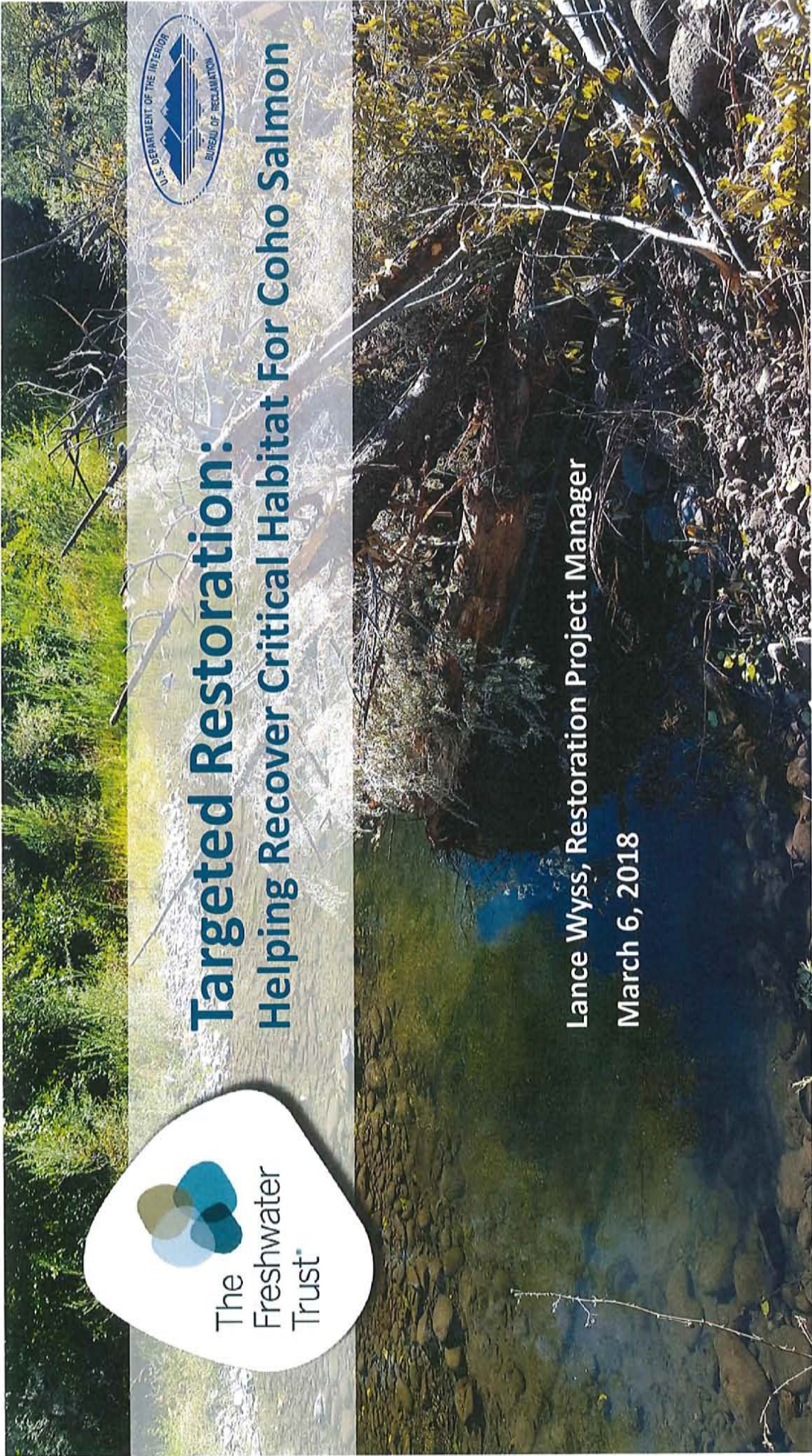
The  
Freshwater  
Trust



# Targeted Restoration: Helping Recover Critical Habitat For Coho Salmon

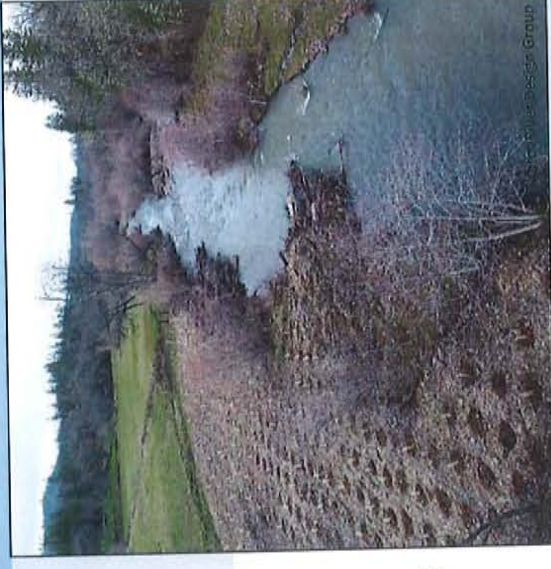
Lance Wyss, Restoration Project Manager

March 6, 2018



# Who Are We?

- **1983 – Oregon Trout Started**
  - Advocate Wild Fish Conservation
  - Implement Instream and Riparian Restoration Projects
- **1993 – Oregon Water Trust Founded**
  - First in the United States
  - Worked with Water Users to Keep Instream Flows
    - Including Rogue River
- **2008 – Merged to Form The Freshwater Trust**
  - [www.thefreshwatertrust.org](http://www.thefreshwatertrust.org)



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# What Are We Doing?

- **2013 – Cooperative Agreement Signed**
  - **Feasibility Study for Large Wood Material and Flow Augmentation**
  - **Implement Instream and Riparian Restoration Projects**



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# Why Are We Doing This Work?

- Bureau of Reclamation's Rogue River Basin Project
  - Consultation Process 2003 – 2012
  - Continued & Future Operations/ Maintenance
- 2012 National Marine Fisheries Service's Biological Opinion
  - Adverse Effects on ESA Listed Coho Salmon (*Oncorhynchus kisutch*)
    - [www.usbr.gov/pn/programs/esa/oregon/rogue/biop.pdf](http://www.usbr.gov/pn/programs/esa/oregon/rogue/biop.pdf)
- 5 Proposed Actions to Improve Critical Habitat
  - Large Wood Additions
  - Riparian Zone Restoration

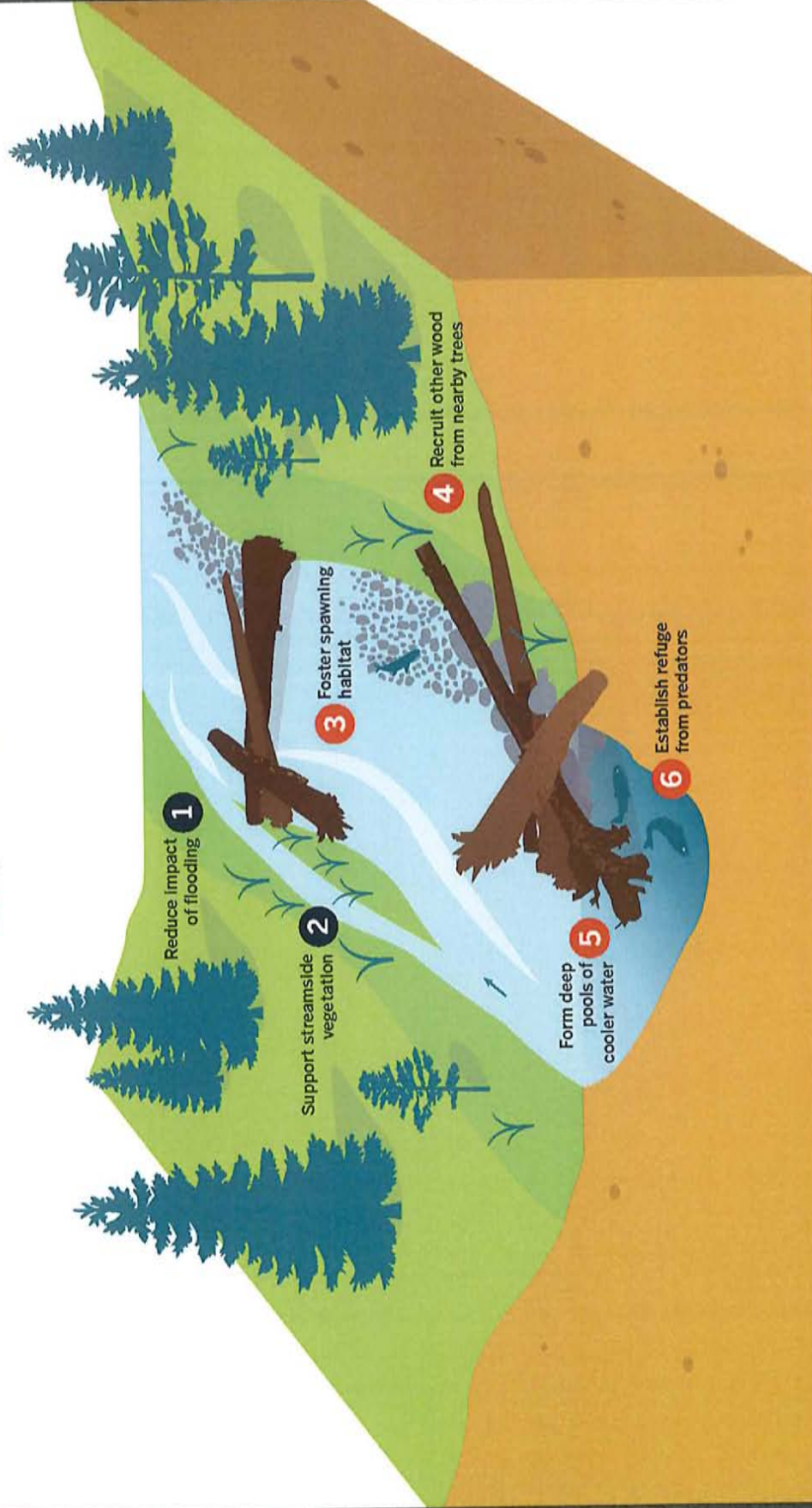
Photo © Thomas C. Kline, Jr.



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## Why Put Wood in Rivers?

- Re-establish connection to natural floodplain
- Improve fish habitat





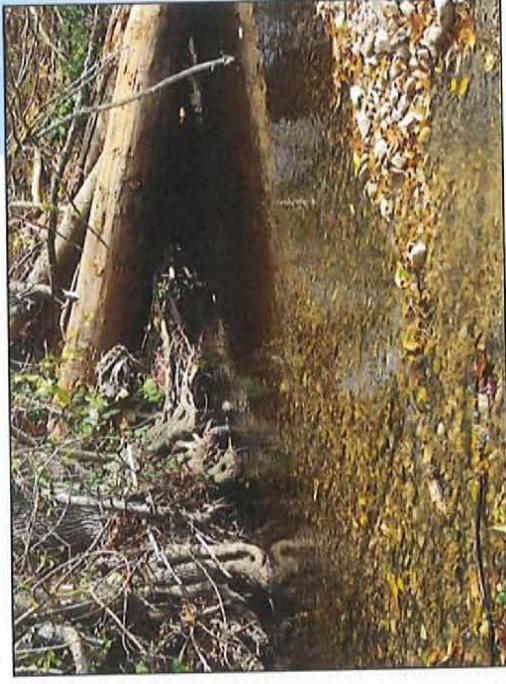
# How To Measure Success?

## • Large Wood – Weighted Useable Area (WUA) ft<sup>2</sup>

**Table 3.** Proposed in-stream habitat improvement targets for Emigrant Creek, Bear Creek, and South Fork Little Butte Creek.

Location	Increase in Habitat (ft <sup>2</sup> WUA)		Targeted Life Stage
	Median Flow (50% exceedence)	Low Flow (80% exceedence)	
Emigrant Creek/Neil Creek	7,100	15,700	Winter rearing habitat
Bear Creek/Ashland Creek	8,600	3,000	Winter rearing habitat
Bear Creek below BASO	5,100	None required	Summer rearing habitat
South Fork Little Butte Creek	6,500	None required	Winter rearing habitat

## • Riparian Zone Restoration = 18 Acres in Bear Creek



# How To Measure Success?

- Large Wood – Weighted Useable Area (WUA) ft<sup>2</sup>

- Establish Cross-sections

  - Velocity

  - Depth

  - Cover Type and Percent

    - Large Wood
    - Undercut banks
    - Overhanging Live Vegetation



- Slow & Deep Water with Lots of Cover for Fish

# Riparian Zone Restoration Results = 18 Acres

## Lone Pine Creek

0.3 Stream Miles

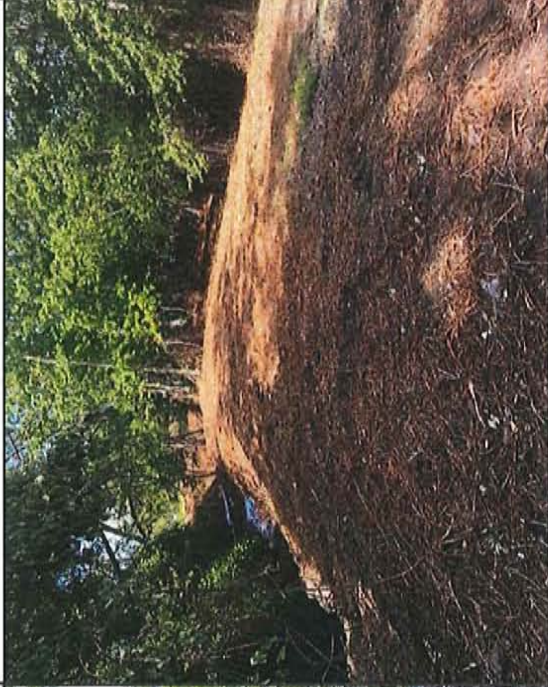
2.6 Acres Planted



## Wagner Creek

0.2 Stream Miles

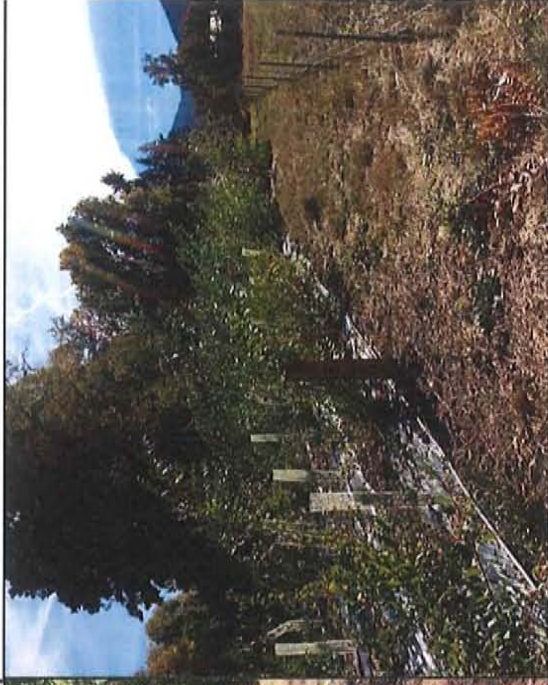
1.3 Acres Planted

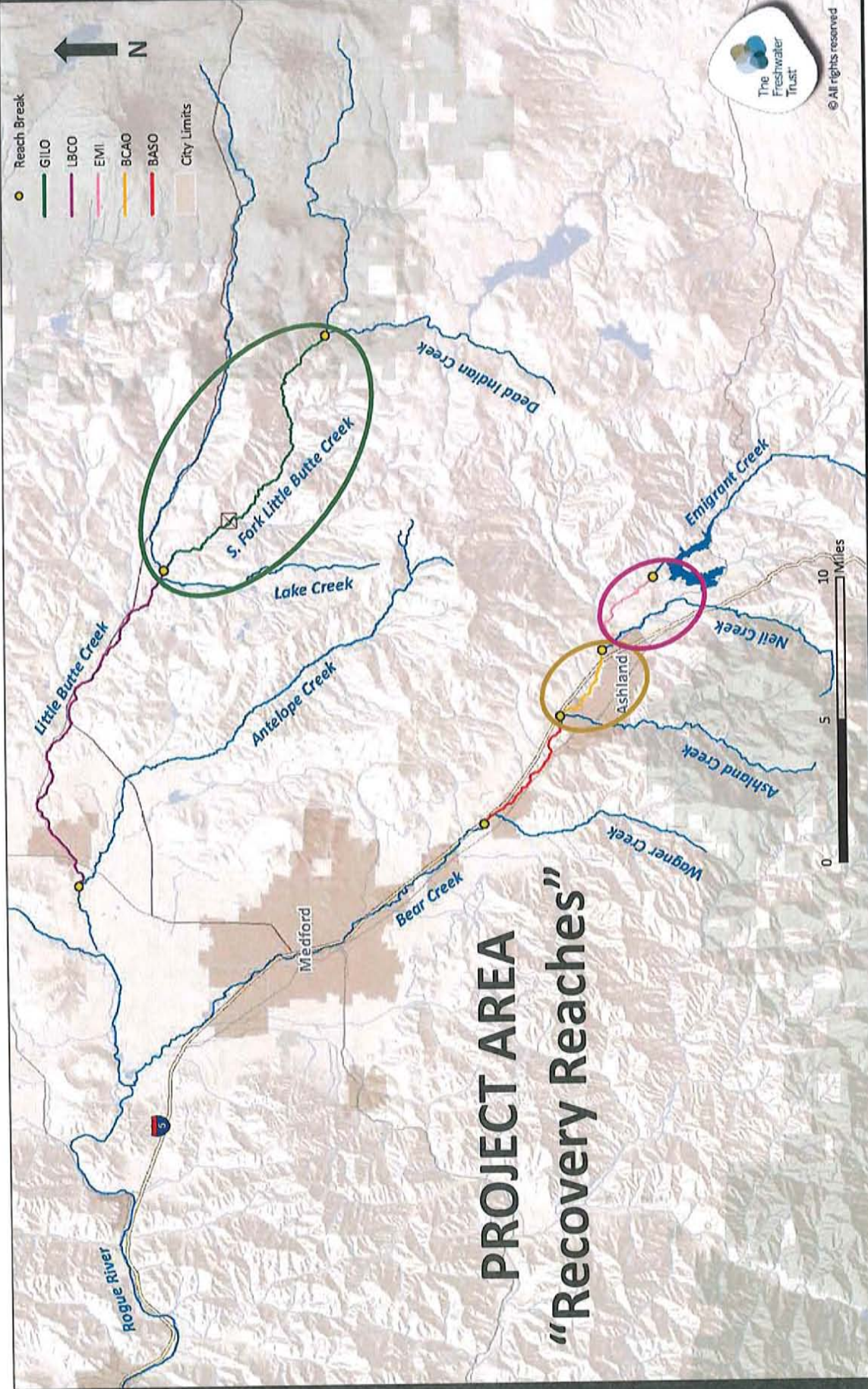


## Neil Creek

1.0 Stream Miles

14.1 Acres Planted

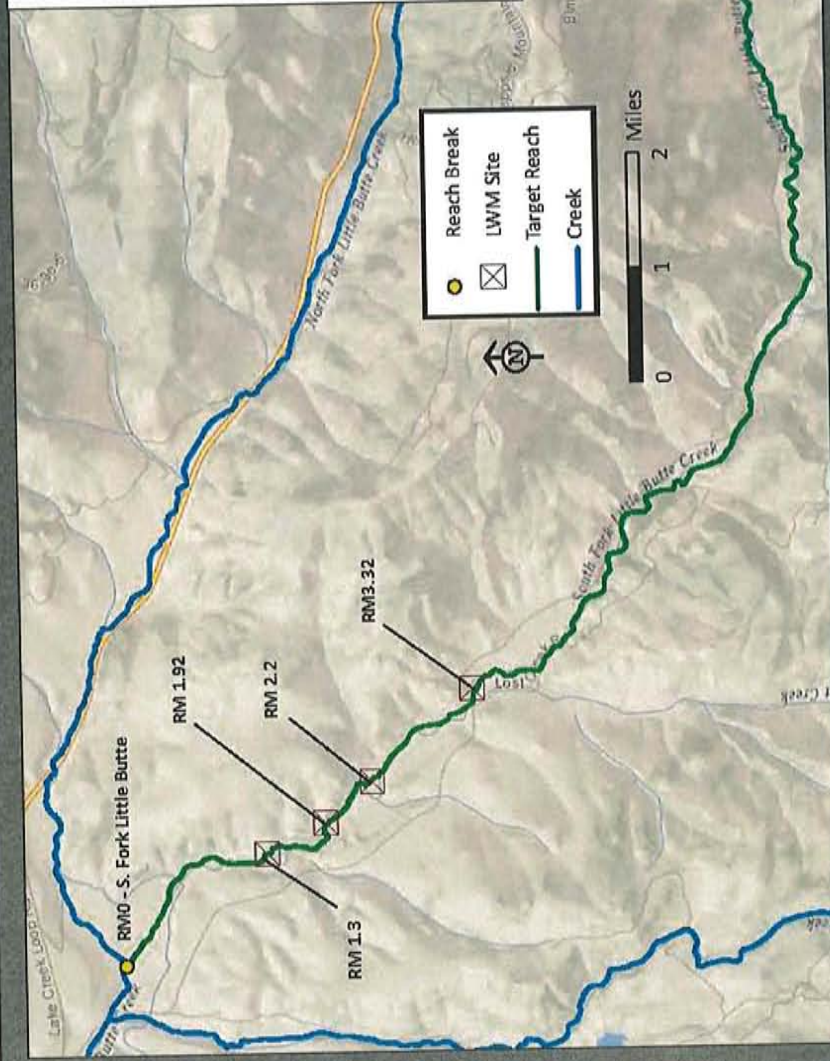




# 2015 & 2016 Large Wood Addition Results

## SOUTH FORK LITTLE BUTTE

- 1.5 Miles Treated
- 87 Large Wood Structures
- 6.4 Acres Planted
- 3,000 (lf) Livestock Fence
- Off-channel Water Facility



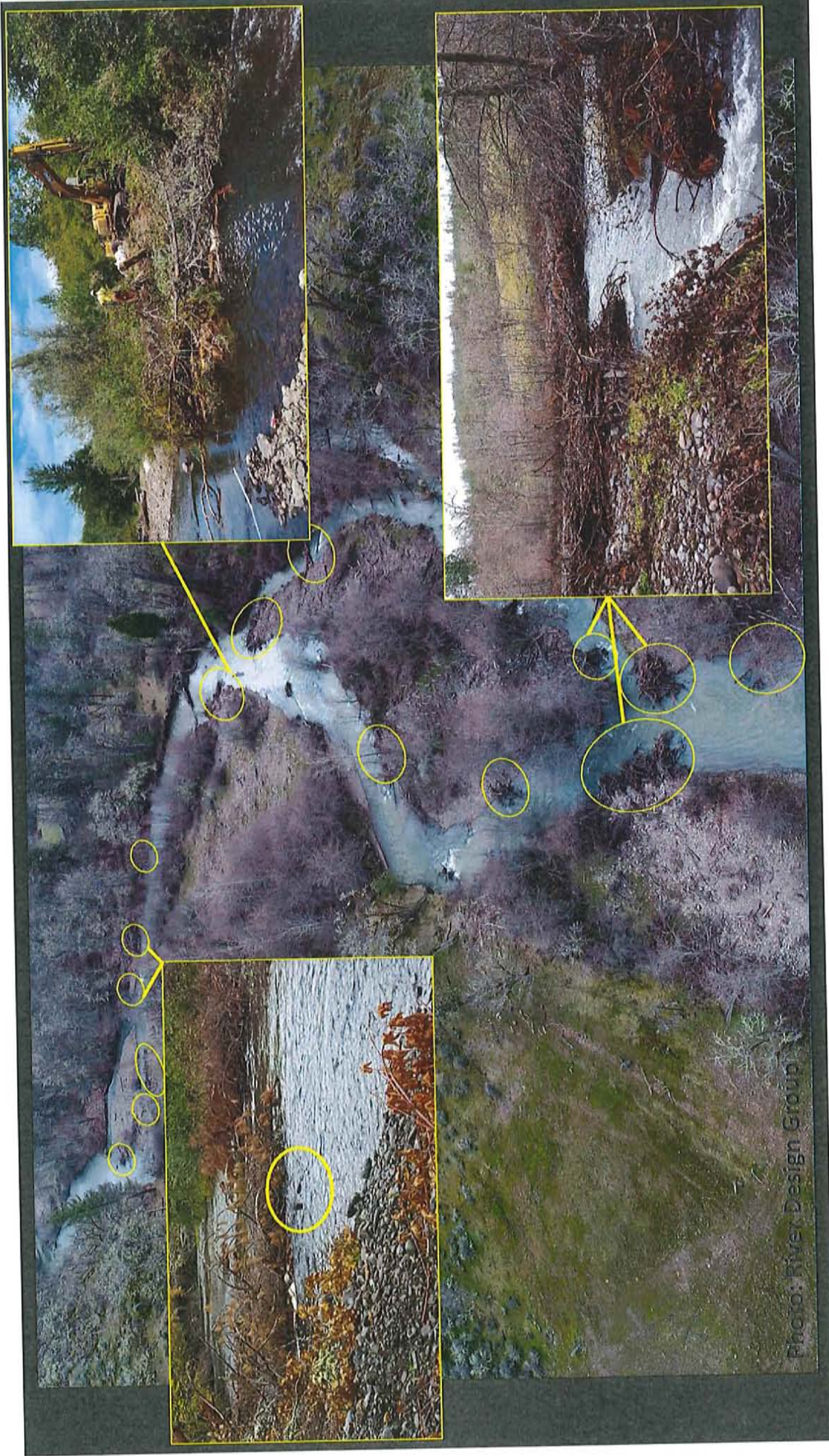
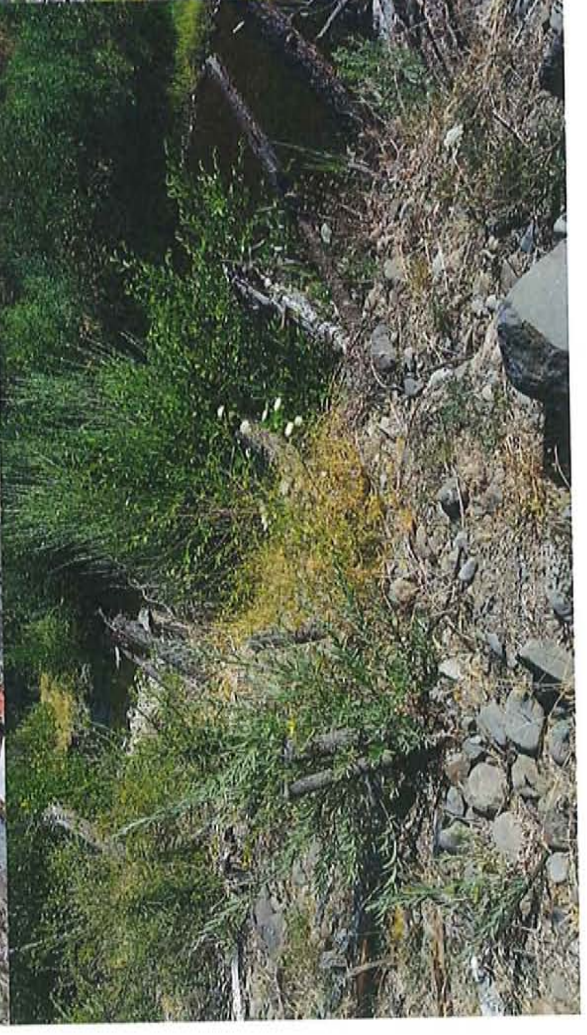
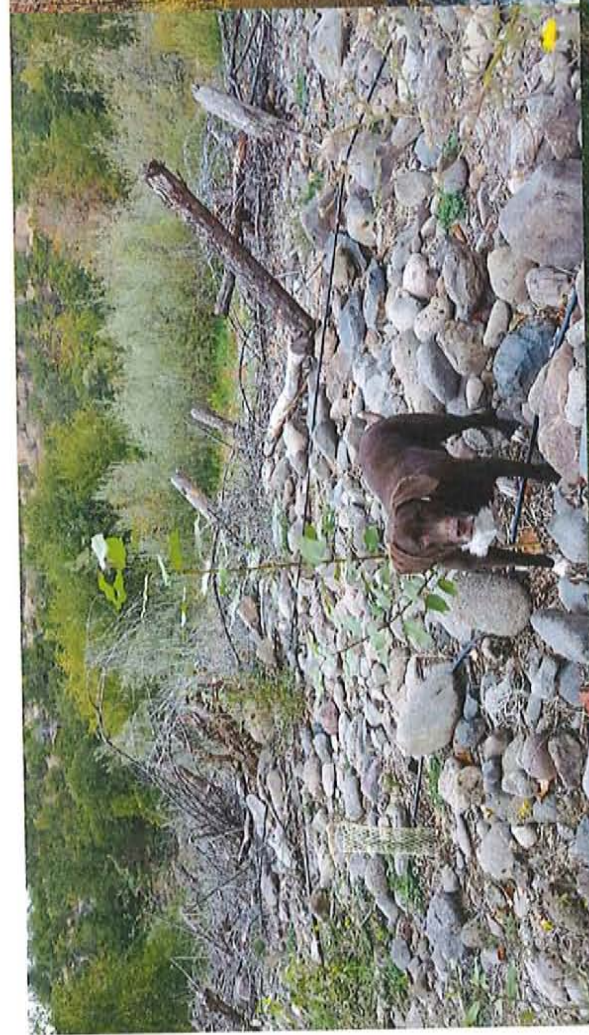


Photo: River Design Group





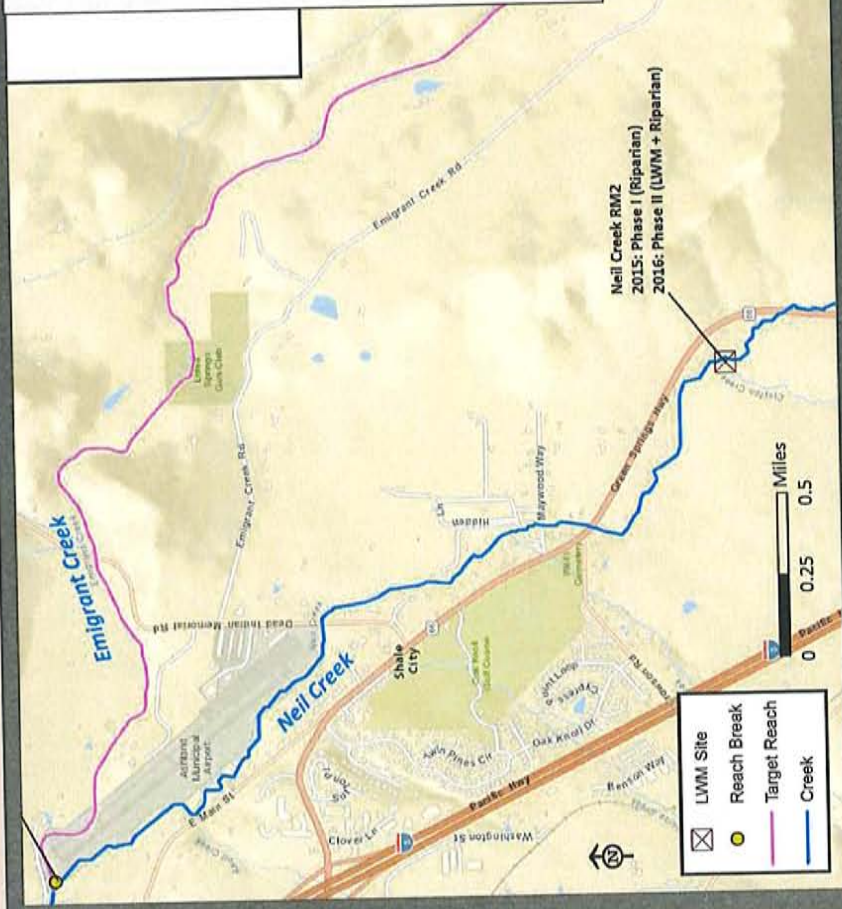


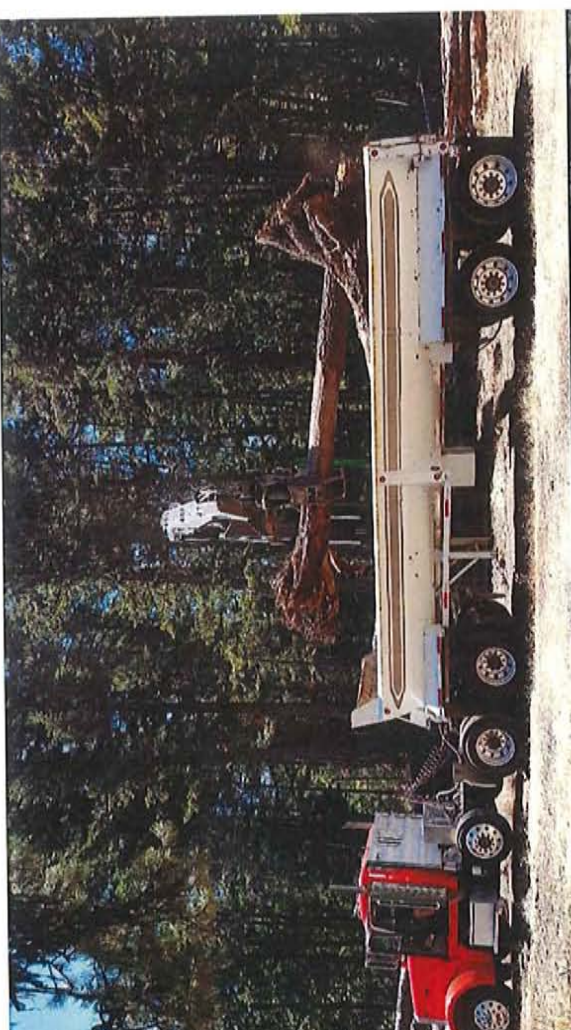


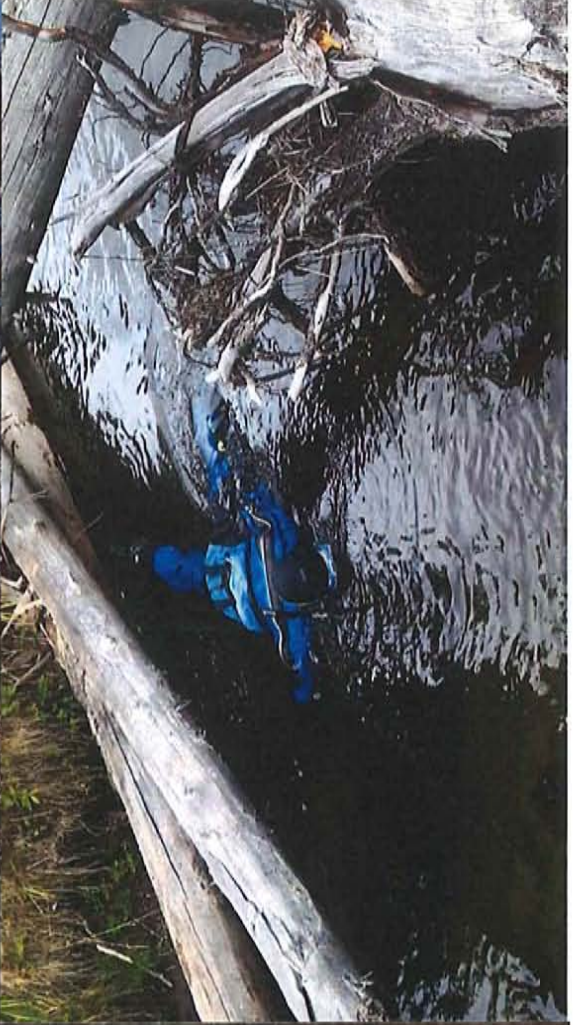
# 2016 Large Wood Addition Results

## Emigrant/ Neil Creeks

- 1.0 Miles Treated
- 52 Large Wood Structures = 1/2 WUA
- 1 Fish Barrier Removed
- 14.1 Acres Planted
- 2.2 Miles Livestock Exclusion Fence
- 4 Off-channel Water Facilities



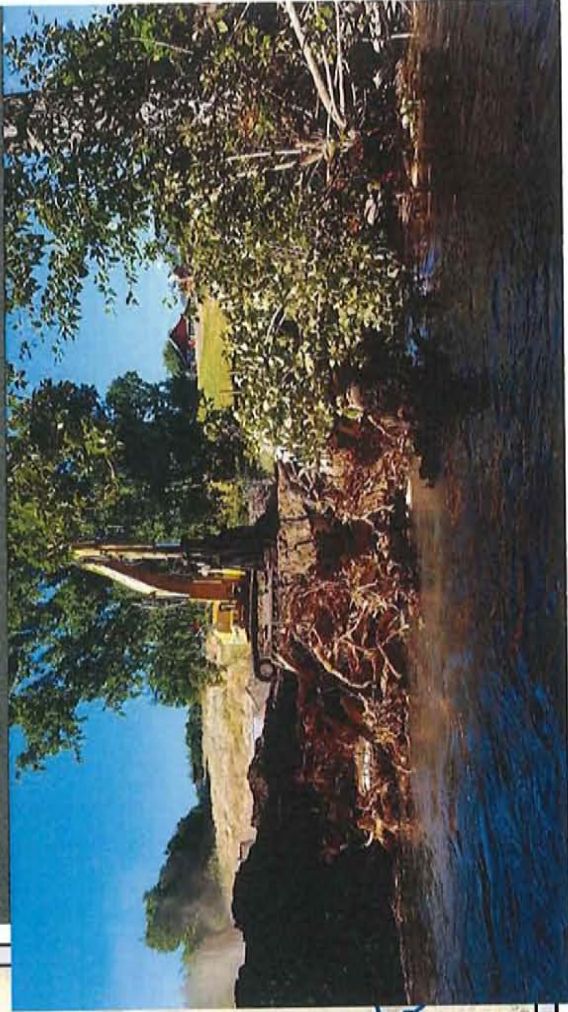
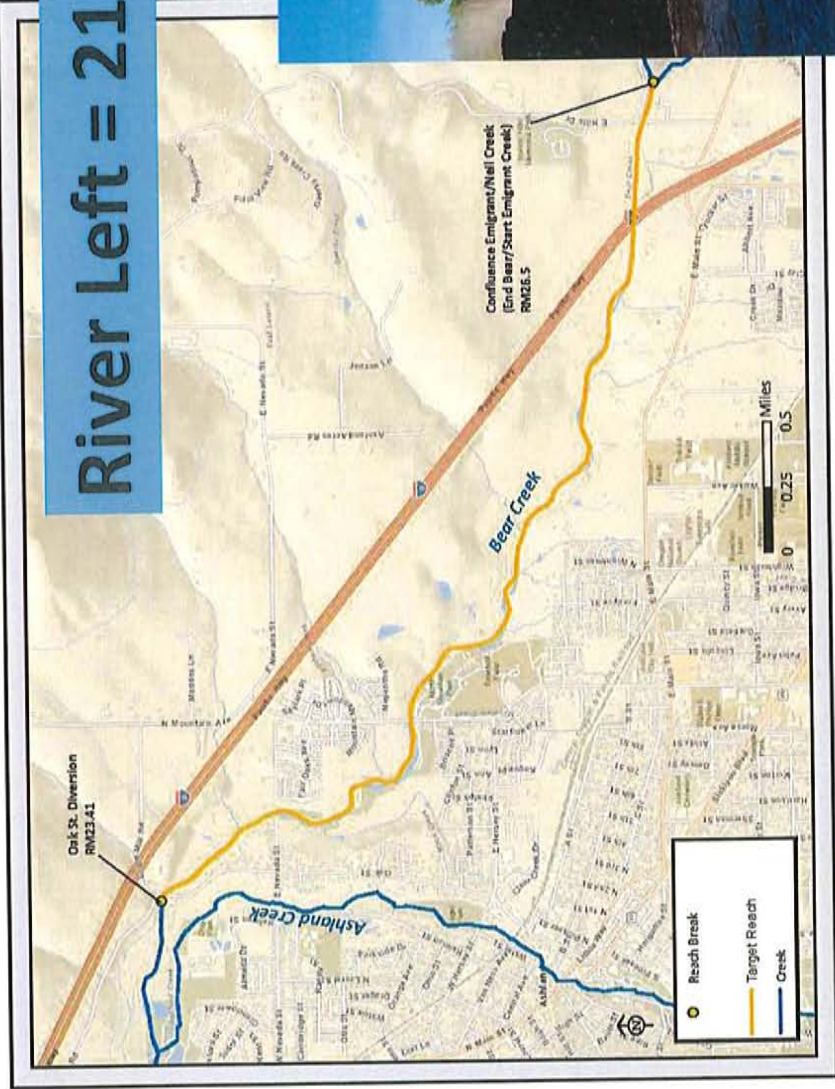




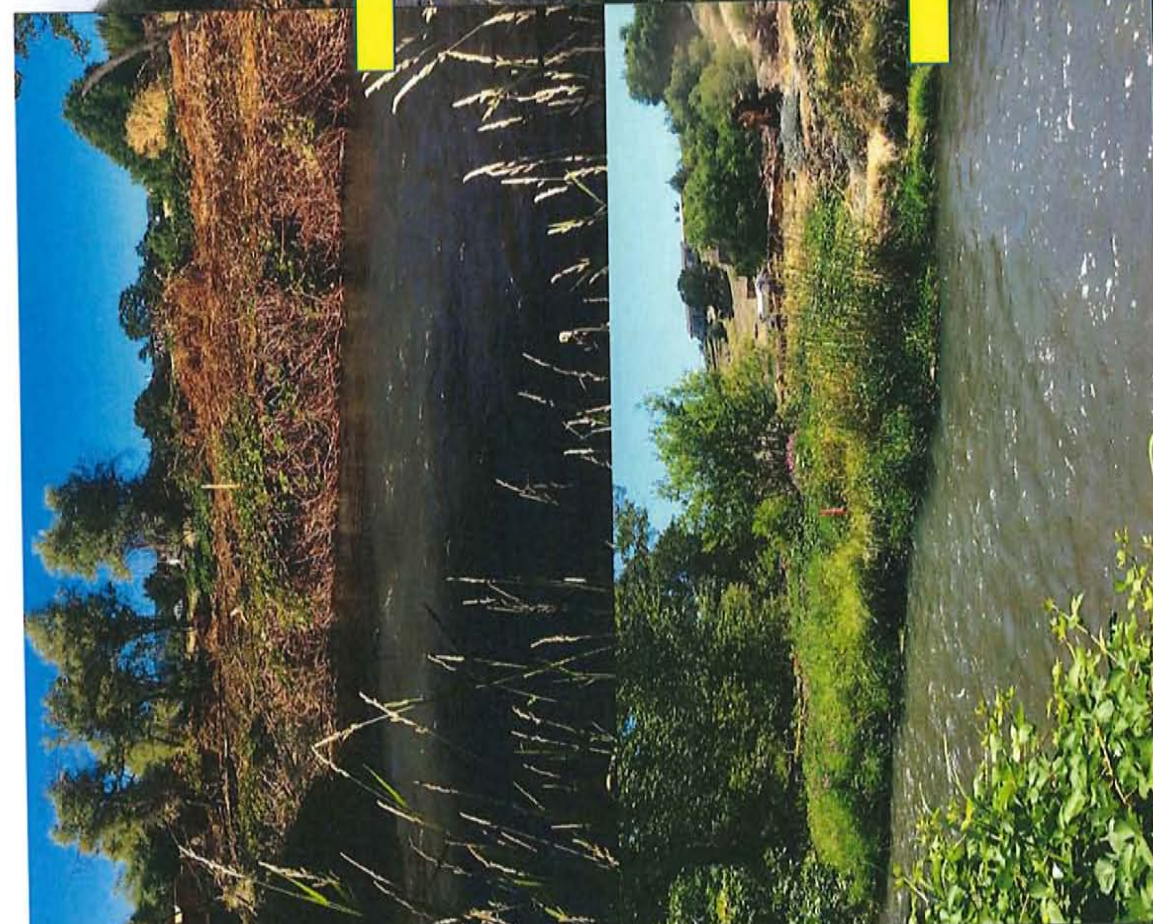
Coho parr: Pat Burns, ODFW

# 2017 Large Wood Addition Results – Bear Creek

River Left = 21 LWM Structure Locations







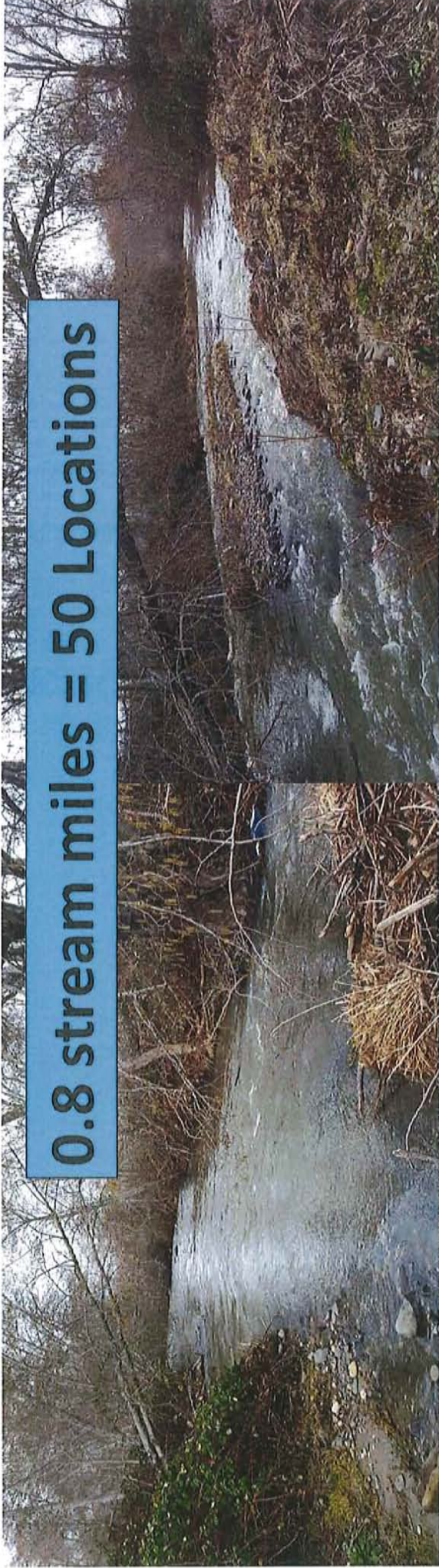
# 2018 Large Wood Additions (2 Projects)



River Right = 5 Locations



**0.8 stream miles = 50 Locations**



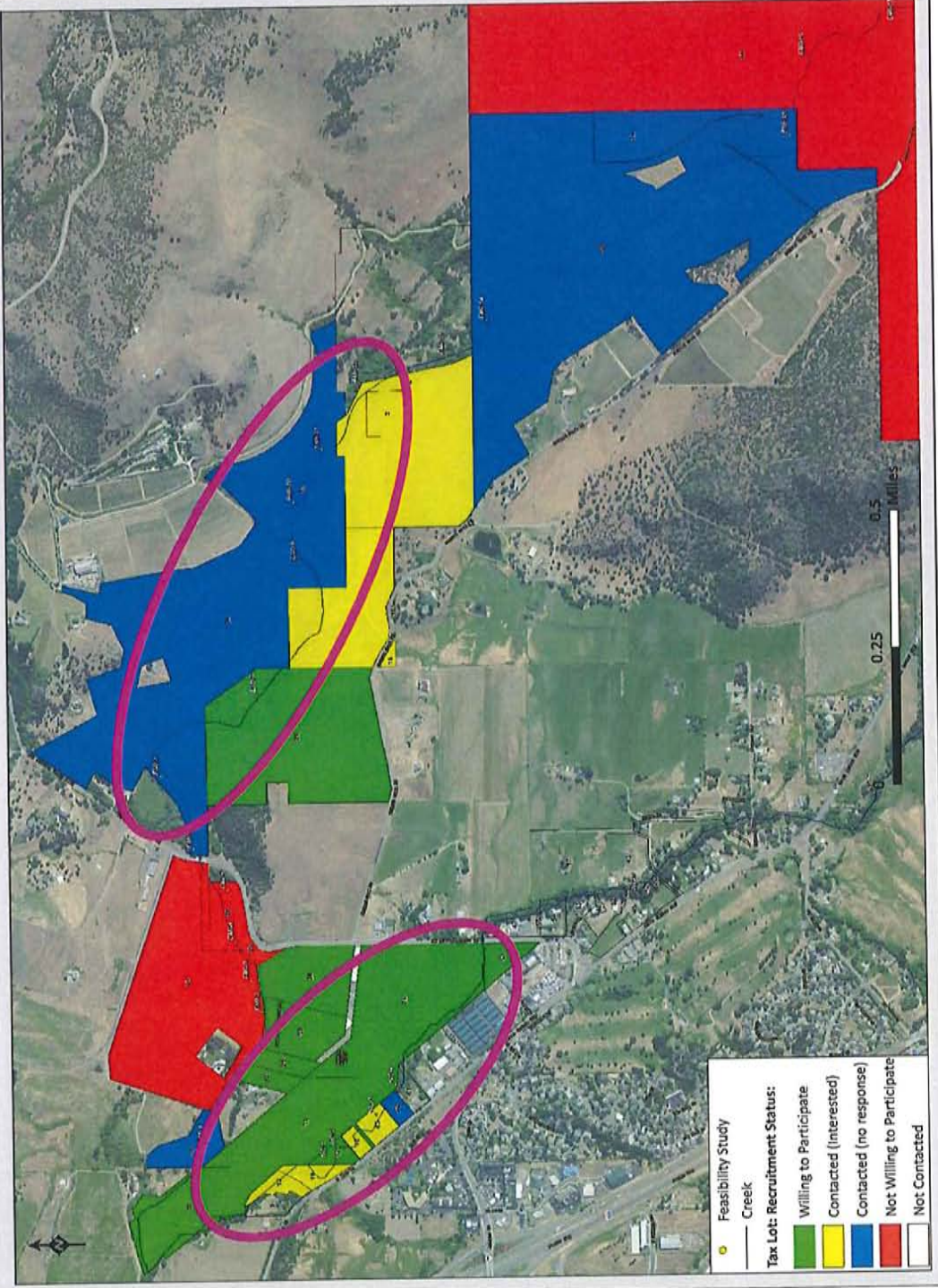
# Summary of Habitat Improvements

- 3.3 Miles of Streams (6 side channels, 1 alcove)
- 160 Large Wood Structures
- 26 Acres Planted = RIPARIAN ZONE COMPLETED
- 3 Miles Livestock Exclusion Fence
- 5 Off-channel Water Facilities
- South Fork Little Butte = 14,000 ft<sup>2</sup> WUA COMPLETED (2X)
- Multiple Species Benefits

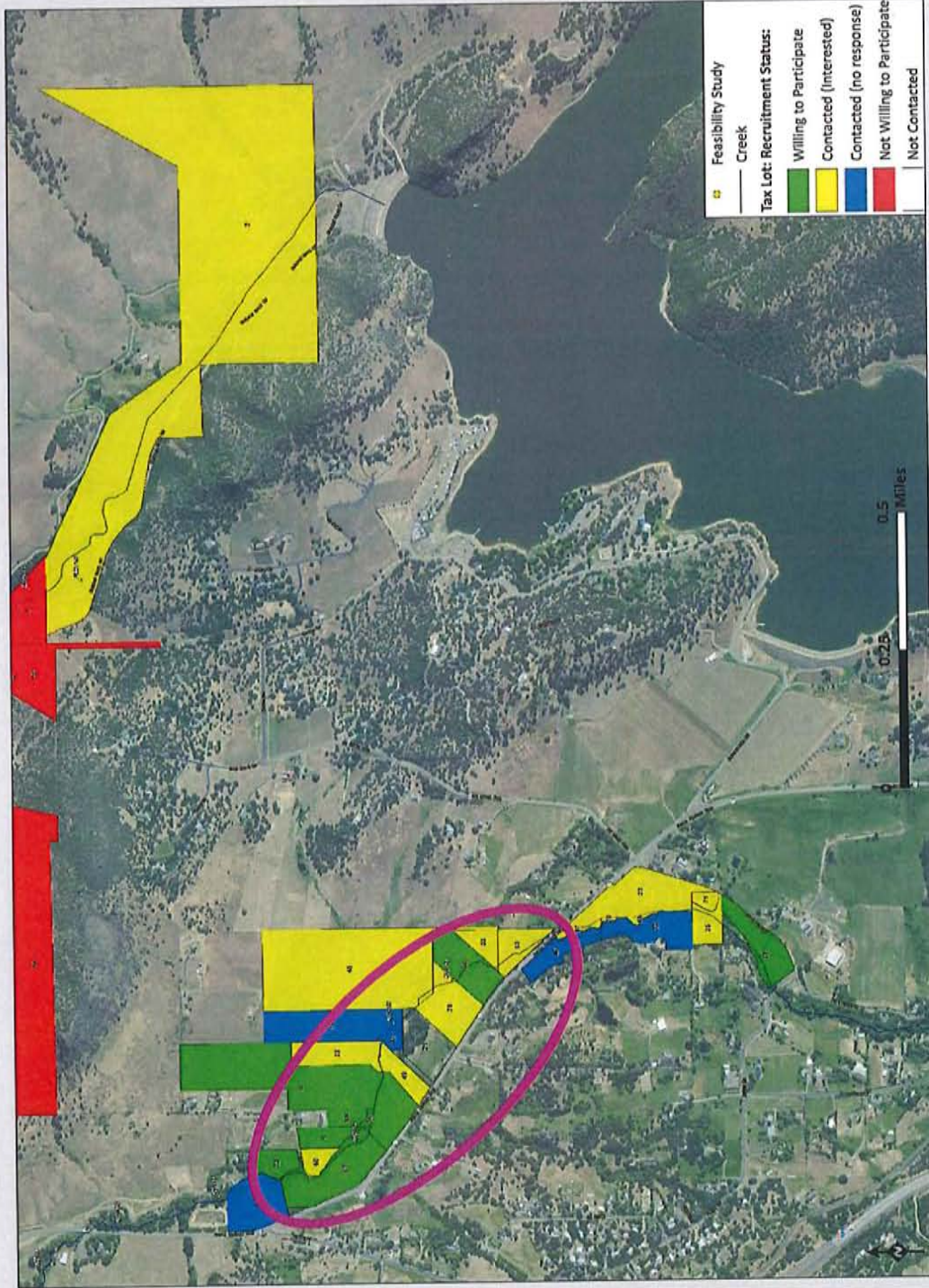
Photo: River Design Group



Bureau of Reclamation Large Wood/BIOP Project Recruitment: Map 1



Bureau of Reclamation Large Wood/BiOp Project Recruitment: Map 2



# ACKNOWLEDGEMENTS

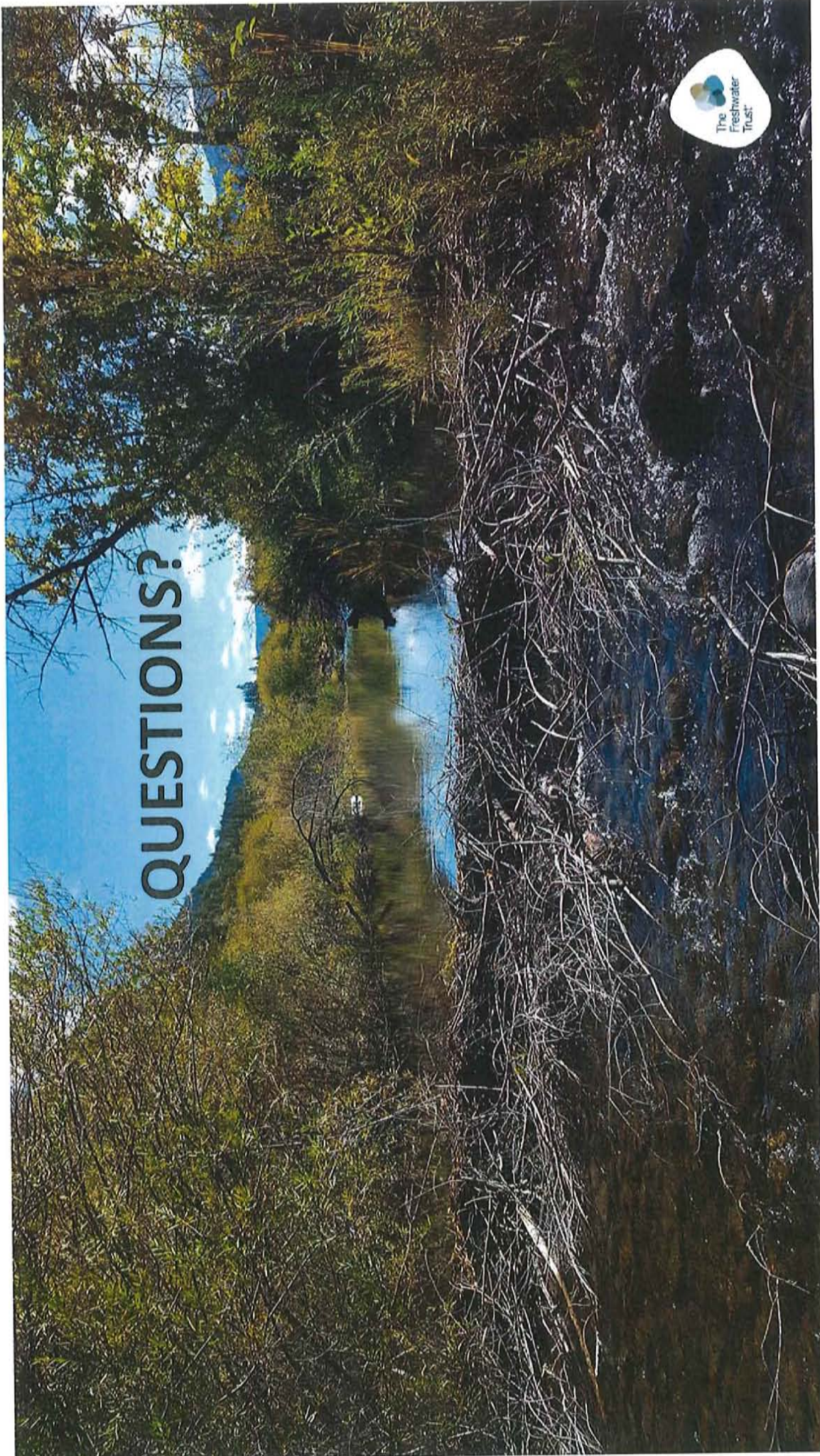
All of the Participating Voluntary Landowners!!  
Bureau of Reclamation Staff, Oregon Dept. of Fisheries & Wildlife  
Biologists, US Army Corps of Engineers Staff, Dept. of State Lands  
Staff, National Marine Fisheries Service Biologists, Jackson County  
Planning Dept.

Local Restoration Contractors who Implement our Projects!



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# QUESTIONS?



03/28/2018 09:29  
campost

City of Ashland  
G/L ACCOUNT DETAIL

1  
|g|lacting

Org: 085700 Object: 704100 0280.01.08.57.00.704100.  
Capital Outlay

YEAR PER	JOURNAL	EFF DATE	SRC T	PO/REF2	REFERENCE	AMOUNT	P	CHECK NO	WARRANT	VDR NAME/ITEM DESC	COMMENTS
2018 09	473	03/01/2018	POL 4	824	LIQ/INV	0.00	Y			VITUS CONSTRUCTIO	1097 B St
2018 09		03/01/2018	POL	20181214	LIQ/INV	-3,000.93	N			FRISON TREE SERVI	Tree Trim
2018 08	777	02/01/2018	POL 4	817	LIQ/INV	0.00	Y			ABBAY CARPET & FL	On-call F
2018 08	645	02/01/2018	POL 4	816	LIQ/INV	0.00	Y			AMERICAN INDUSTRI	City Hall
2018 08	645	02/01/2018	POL 4	318	LIQ/INV	0.00	Y			MINTON CONSTRUCTI	Carpenter
2018 08	645	02/01/2018	POL 4	20181191	LIQ/INV	-1,403.75	Y			ALPINE ENVIRONMEN	Dec 2017
2018 08	453	02/01/2018	POL 4	824	LIQ/INV	-5,154.00	Y			BUMGARDNERS LANDS	2/8/18 Ai
2018 08	320	02/01/2018	POL 4	20181174	LIQ/INV	0.00	Y			VITUS CONSTRUCTIO	On-call G
2018 08	320	02/01/2018	POE 4	20181214	PO ENT/PRF	-4,950.00	Y			GREENWAY SPRAY LL	Herbicide
2018 08	1391	01/01/2018	POL 4	816	LIQ/INV	18,100.00	Y			FRISON TREE SERVI	Tree Trim
2018 07	1188	01/01/2018	POL 4	816	LIQ/INV	0.00	Y			AMERICAN INDUSTRI	On-call D
2018 07	992	01/01/2018	POL 4	20180872	LIQ/INV	0.00	Y			MINTON CONSTRUCTI	N Mtn Par
2018 07	992	01/01/2018	POE 4	20181191	PO ENT/PRF	5,154.00	Y			BUMGARDNERS LANDS	Airport H
2018 07	497	01/01/2018	POE 4	20181174	PO ENT/PRF	4,950.00	Y			GREENWAY SPRAY LL	Herbicide
2018 06	615	12/01/2017	POL 4	318	LIQ/INV	-725.00	Y			ALPINE ENVIRONMEN	Nov 2017
2018 05	372	11/01/2017	POL 4	816	LIQ/INV	0.00	Y			AMERICAN INDUSTRI	Airport H
2018 04	1243	10/01/2017	POL 4	20181046	LIQ/INV	-2,020.00	Y			AA INSULATION CO	Repair in
2018 04	1243	10/01/2017	POL 4	20181046	LIQ/INV	-185.00	Y			AA INSULATION CO	Repair in
2018 04	460	10/01/2017	POM 4	46	LIQ/INV	0.00	Y			POLARIS LAND SURV	On-call D
2018 04	330	10/01/2017	POM 4	20181046	PO MAINT	-335.00	Y			AA INSULATION CO	Cancel PO
2018 04	608	09/01/2017	POE 4	20181046	PO MAINT	185.00	Y			AA INSULATION CO	Request f
2018 03	225	09/01/2017	POL 4	821	LIQ/INV	2,020.00	Y			AA INSULATION CO	Repair in
2018 03	1030	09/12/2017	POM 4	20180908	LIQ/INV	-602.75	Y			S.O.S. PLUMBING,	Airport O
2018 03	1030	07/01/2017	POL 4	823	LIQ/INV	0.00	Y			MERAKI CONSTRUCTI	On-call S
2018 01	956	07/01/2017	POL 4	823	LIQ/INV	0.00	Y			MERAKI CONSTRUCTI	On-call S
2018 01	659	07/01/2017	POL 4	823	LIQ/INV	2,000.00	Y			S.O.S. PLUMBING	Request f
2018 01	91	07/01/2017	POE 4	20180872	PO ENT/PRF	0.00	Y			CUTTING EDGE REST	Jul 2017
2018 01	7	07/01/2017	POE 4	824	PO ENT/PRF	0.00	Y			CUTTING EDGE REST	Jul 2017
2018 01	7	07/01/2017	POE 4	823	PO ENT/PRF	0.00	Y			RCI FINISHES, LLC	On-call P
2018 01	7	07/01/2017	POE 4	822	PO ENT/PRF	0.00	Y			CUTTING EDGE REST	Jul 2017
2018 01	7	07/01/2017	POE 4	821	PO ENT/PRF	0.00	Y			CUTTING EDGE REST	Jul 2017
2018 01	7	07/01/2017	POE 4	819	PO ENT/PRF	0.00	Y			CUTTING EDGE REST	Airport -
2018 01	7	07/01/2017	POE 4	818	PO ENT/PRF	0.00	Y			CUTTING EDGE REST	Jul 2017
2018 01	7	07/01/2017	POE 4	817	PO ENT/PRF	1.00	Y			MINTON CONSTRUCTI	On-Call C
2018 01	7	07/01/2017	POE 4	816	PO ENT/PRF	1.00	Y			VITUS CONSTRUCTIO	On-call G
2018 01	7	07/01/2017	POE 4	815	PO ENT/PRF	1.00	Y			CUTTING EDGE REST	On-call P
2018 01	7	07/01/2017	POE 4	814	PO ENT/PRF	1.00	Y			RCI FINISHES, LLC	On-call P
2018 01	7	07/01/2017	POE 4	813	PO ENT/PRF	1.00	Y			MERAKI CONSTRUCTI	On-call S
2018 01	7	07/01/2017	POE 4	812	PO ENT/PRF	1.00	Y			ROXY ANN ROCK	On-call E
2018 01	7	07/01/2017	POE 4	811	PO ENT/PRF	1.00	Y			AMERICAN LEAK DET	On-call L
2018 01	7	07/01/2017	POE 4	810	PO ENT/PRF	1.00	Y			ASHLAND CONSTRUCT	On-call C
2018 01	7	07/01/2017	POE 4	809	PO ENT/PRF	1.00	Y			ABBAY CARPET & FL	On-call F
2018 01	7	07/01/2017	POE 4	808	PO ENT/PRF	1.00	Y			AMERICAN INDUSTRI	On-call D
2018 01	7	07/01/2017	POE 4	807	PO ENT/PRF	1.00	Y			PRESSURE POINT RO	On-call R
2018 00	4	07/01/2017	SOY 4	46	START YEAR	335.00	Y			JAM ROOFING	ENCUMBRAN
2018 00	4	07/01/2017	SOY 4	318	START YEAR	2,142.50	Y				ENCUMBRAN
2018 00	4	07/01/2017	SOY 4	673	START YEAR	1,838.83	Y				ENCUMBRAN

Total Amount: 18,360.90

Org: 085700 Object: 704100

YEAR PER JOURNAL EFF DATE SRC T PO/REF2 AMOUNT P CHECK NO WARRANT VDR NAME/ITEM DESC COMMENTS

\*\* END OF REPORT - Generated by Tami Campos \*\*



FOR 2018 08

ACCOUNTS FOR: 0280 Airport Fund  
 ORIGINAL APPROP REVISED BUDGET

	YTD EXPENDED	MTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
085700 Public Works - Airport					
602 Rental, Repair, Maintenance					
00 Undefined					
085700 602320 Maintenance	2,095.87	0.00	0.00	5,404.13	27.9%
085700 602332 Electricity	2,060.92	270.69	0.00	1,399.08	59.6%
085700 602333 Water	646.64	80.83	0.00	3,433.36	15.8%
085700 602334 Wastewater & Other	9,338.82	1,167.54	0.00	8,461.18	52.5%
085700 602353 Grounds Care	0.00	0.00	0.00	8,300.00	.0%
085700 602400 Infrastructure	0.00	0.00	0.00	4,500.00	.0%
TOTAL Rental, Repair, Maintenance	14,142.25	1,519.06	0.00	31,497.75	31.0%
45,640.00					
604 Contractual Services					
00 Undefined					
085700 604100 Professional Services	123,041.92	40,620.00	218,751.08	-191,793.00	227.9%*
150,000.00					
TOTAL Contractual Services	123,041.92	40,620.00	218,751.08	-191,793.00	227.9%
150,000.00					

FOR 2018 08

ACCOUNTS FOR: 0280 Airport Fund  
ORIGINAL APPROP REVISED BUDGET

	YTD EXPENDED	MTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
605 Internal Charges & Fees					
00 Undefined					
085700 605000	Miscellaneous Charges & Fees 2,645.00	1,305.00	0.00	2,855.00	48.1%
085700 605600	Other 150.00	0.00	0.00	150.00	.0%
085700 605811	Internal Chg - Insurance Svc 5,150.00	429.17	0.00	1,716.64	66.7%
085700 605813	Internal Chg - Facility Use 4,400.00	366.67	0.00	1,466.64	66.7%
TOTAL Internal Charges & Fees	15,200.00	2,100.84	0.00	6,188.28	59.3%
606 Other Purchased Svcs					
00 Undefined					
085700 606200	Printing & Binding 200.00	0.00	0.00	200.00	.0%
085700 606500	Dues 150.00	0.00	0.00	25.00	83.3%
TOTAL Other Purchased Svcs	350.00	0.00	0.00	225.00	35.7%
608 Commission					
00 Undefined					
085700 608110	Airport Commission 1,500.00	0.00	0.00	1,500.00	.0%

03/15/2018 14:28 City of Ashland  
campost YEAR-TO-DATE BUDGET REPORT

FOR 2018 08

ACCOUNTS FOR: 0280 Airport Fund	ORIGINAL APPROP	REVISED BUDGET	YTD EXPENDED	MTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
TOTAL Commission	1,500.00		0.00	0.00	0.00	1,500.00	.0%
704 Improvements Other than Bldgs							
00 Undefined							
<u>085700 704100</u>	45,000.00	Capital Outlay 45,000.00	24,608.29	11,507.75	21,361.83	-970.12	102.2%*
085700 704200	121,000.00	Capitalized Projects 121,000.00	0.00	0.00	0.00	121,000.00	.0%
TOTAL Improvements Other than Bld	166,000.00	166,000.00	24,608.29	11,507.75	21,361.83	120,029.88	27.7%
801 Debt - Principal							
00 Undefined							
<u>085700 801214</u>	34,900.00	Wells Fargo - Airport 34,900.00	17,202.71	0.00	0.00	17,697.29	49.3%
TOTAL Debt - Principal	34,900.00	34,900.00	17,202.71	0.00	0.00	17,697.29	49.3%
802 Debt - Interest							
00 Undefined							
<u>085700 802214</u>	3,639.00	Wells Fargo - Airport 3,639.00	2,065.27	0.00	0.00	1,573.73	56.8%
TOTAL Debt - Interest	3,639.00	3,639.00	2,065.27	0.00	0.00	1,573.73	56.8%

\$45k is budgeted for FY 2018. \$25k is budgeted for FY 2019 (doesn't appear on this report), but is available now if needed.

FOR 2018 08

ACCOUNTS FOR: 0280 Airport Fund  
ORIGINAL APPROP REVISED BUDGET

	ORIGINAL APPROP	REVISED BUDGET	YTD EXPENDED	MTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
TOTAL Public Works - Airport	417,229.00	417,229.00	190,197.16	55,747.65	240,112.91	-13,081.07	103.1%
TOTAL Airport Fund	417,229.00	417,229.00	190,197.16	55,747.65	240,112.91	-13,081.07	103.1%
TOTAL EXPENSES	417,229.00	417,229.00	190,197.16	55,747.65	240,112.91	-13,081.07	

City of Ashland  
YEAR-TO-DATE BUDGET REPORT

03/15/2018 14:28  
campost

FOR 2018 08

ORIGINAL APPROP	REVISED BUDGET	YTD EXPENDED	MTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	% USED
417,229.00	417,229.00	190,197.16	55,747.65	240,112.91	-13,081.07	103.1%
GRAND TOTAL						

\*\* END OF REPORT - Generated by Tami Campos \*\*

C# 132

FBO MONTHLY REPORT

February, 2018

AMOUNT	ITEM	RATE		
	FBO RENTAL			\$ 1,753.40
	DAILY			
1	Daily Tie-Downs- Small	@	\$ 7.00 =	\$ 7.00
0	Daily Tie-Downs- Large	@	\$ 11.00 =	\$ -
	MONTHLY			
5	Monthly Tie-Downs- Small	@	\$ 49.00 =	\$ 245.00
1	Monthly Tie-Downs- Large	@	\$ 60.00 =	\$ 60.00
0	Freight Operations (x1000)	@	\$ 5.83 =	\$ -
14	New T-Hangars	@	\$ 302.00 =	\$ 4,228.00
1	Helicopter Hangars	@	\$ 236.00 =	\$ 236.00
8	Closed Hangars	@	\$ 236.00 =	\$ 1,888.00
1	Large Closed Hangar	@	\$ 302.00 =	\$ 302.00
5	Open Hangar	@	\$ 187.00 =	\$ 935.00
1	Commercial Hangar-JLC	@	\$ 782.00 =	\$ 782.00
1	Commercial Hangar-Sklinner	@	\$ 483.00 =	\$ 483.00
1	Sky Research Land Lease	@	\$ 478.00 =	\$ 478.00
165	Fuel Flowage Fee Brim	@	\$ 0.07 =	\$ 11.55
1	Nielsen Land Lease	@	\$ 159.00 =	\$ 159.00
	ANNUAL			
	Valley Inv. Land Lease	@	\$ 7,919.00 =	\$ -
	Brim Land Lease	@	\$ 975.00	\$ -
	Private Hangars Land Lease	@	\$ 324.00 =	\$ -
	Private Hangars Land Lease	@	\$ 337.00 =	\$ -
	Brim Storage Area	@	\$ 2,680.00 =	\$ -
	NOTES:			
	TOTAL RENTS =		\$ 9,814.55 X 0.75	\$ 7,360.91
	UTILITY CHARGE NEW CLOSED HANGARS		=	\$ 65.00
	FBO FLOWAGE FEE			
	Price Per Gallon	\$5.09	100LL	1218 Gallons
	Price Per Gallon	\$4.39	JET A	0 Gallons
	Total Gallons		1218	x 0.07 \$ 85.26
	CREDITS			
			Water Credit	- \$163.32
			Garbage Credit	- \$52.55
	DEBITS			
	Preauthorized other credit for:			-
	TOTAL DUE TO CITY BY 20TH		=	\$9,048.70

For City Use Only	3 Private	Expires 07/21/23
	6 Private	Expires 09/30/18
	Valley Investments Lease	Expires 06/30/20
	Jeff Nielson Mark Freeborn	Expires 06/01/37
	Brim Lease	Expires 12/31/23
	Sky Research	Expires 03/14/26

1053



