



*Tualatin Basin
Water Supply Project and
Tualatin Project Title Transfer*

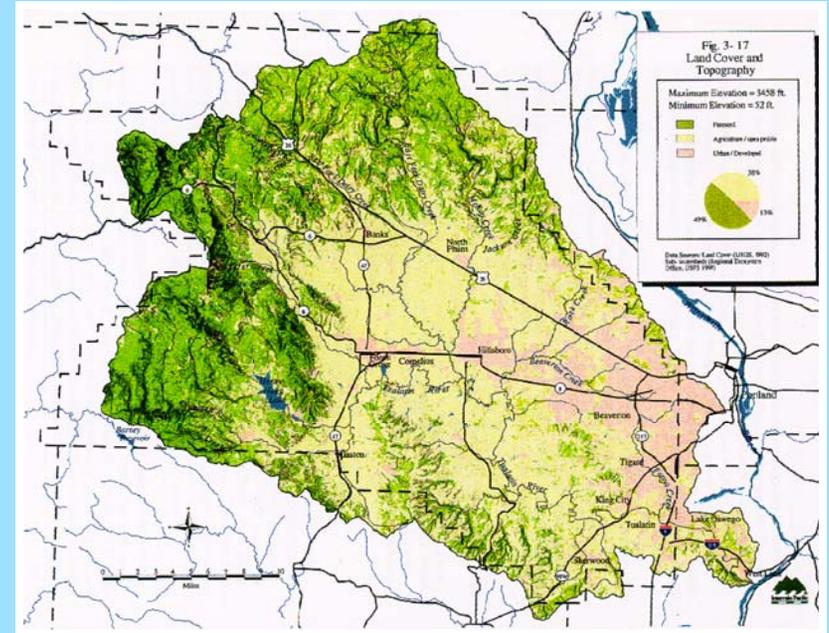
**Tom VanderPlaat,
Tualatin Basin Water Supply Partners**

Sustaining Our Economy, Watershed and Community

**Tualatin Basin
Water Supply Project**

Water Supply Project Partners

- Clean Water Services
- Tualatin Valley Water District
- City of Tigard
- City of Beaverton
- City of Hillsboro
- City of Tualatin
- City of Forest Grove
- U.S. Bureau of Reclamation

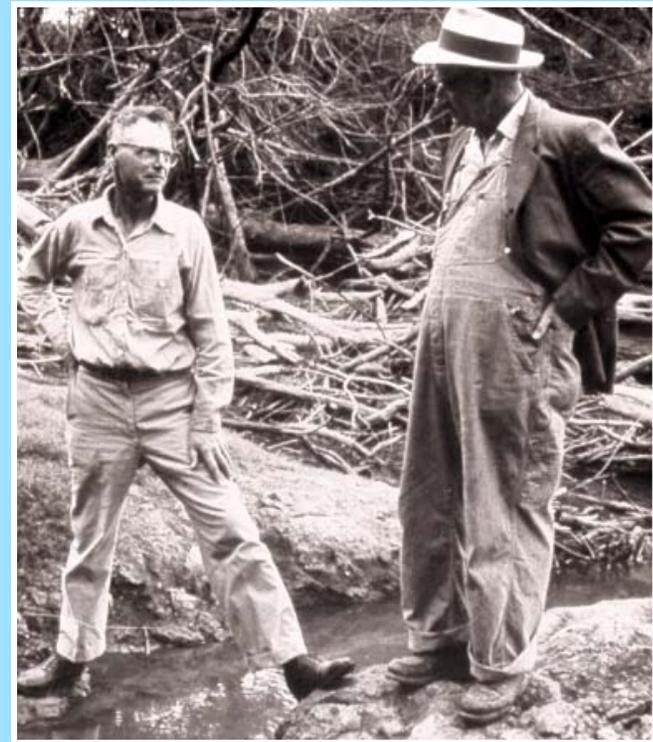


❖ Other Water Managers:

- Lake Oswego Corporation
- Tualatin Valley Irrigation District
- Washington County
- Cities of Banks, Cornelius & North Plains, Sherwood

Purpose:
**Evaluate Water Supply Options to
Meet Long-term Multiple Needs**

- ▣ **Instream flow restoration
15,000 acre-ft**
- ▣ **Municipal supply
37,000 acre-ft**
- ▣ *Total Need 52,000 acre-ft*



Planning Report/Draft Environmental Statement - Alternatives

☐ Alternative 1 – No Action

- ☐ What happens if we do nothing?

☐ Alternative 2 – Dam Raise Option

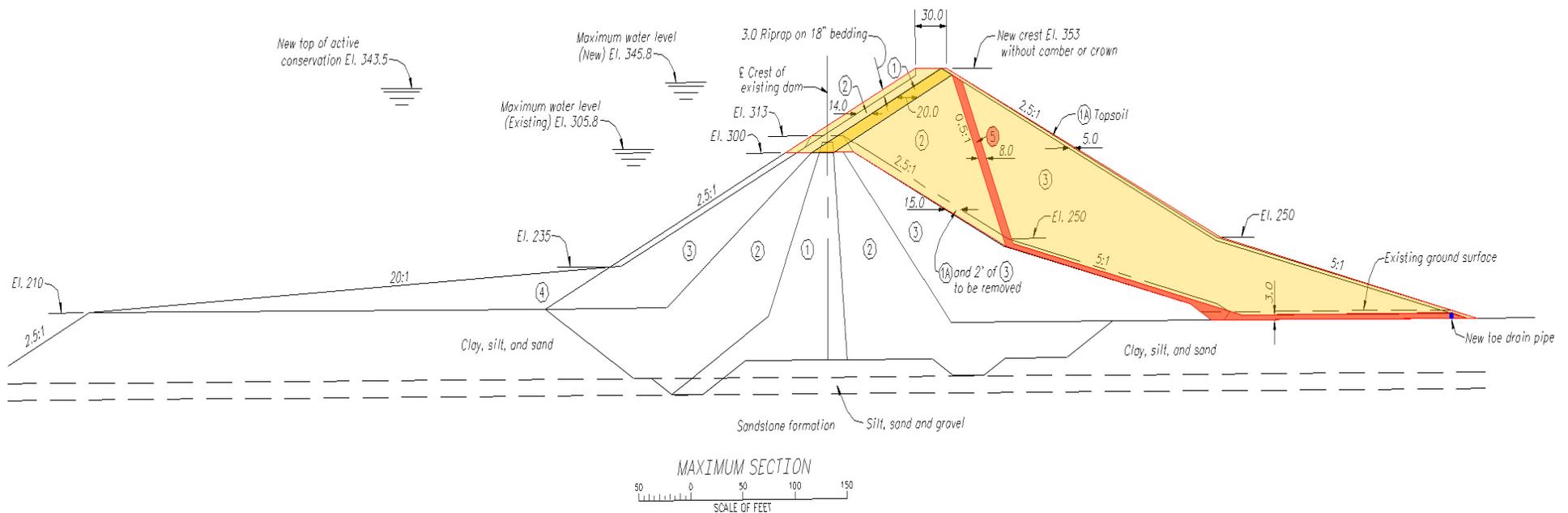
- ☐ 40' raise of Scoggins Dam/Hagg Lake and Raw Water Pipeline Pump back

☐ Alternative 3 – Multiple Source Option

- ☐ 25' raise of Scoggins Dam/Hagg Lake with Raw Water Pipeline Pump-back

- ☐ Willamette River Water Treatment Plant expansion and Transmission Pipeline

Conceptual Dam Design



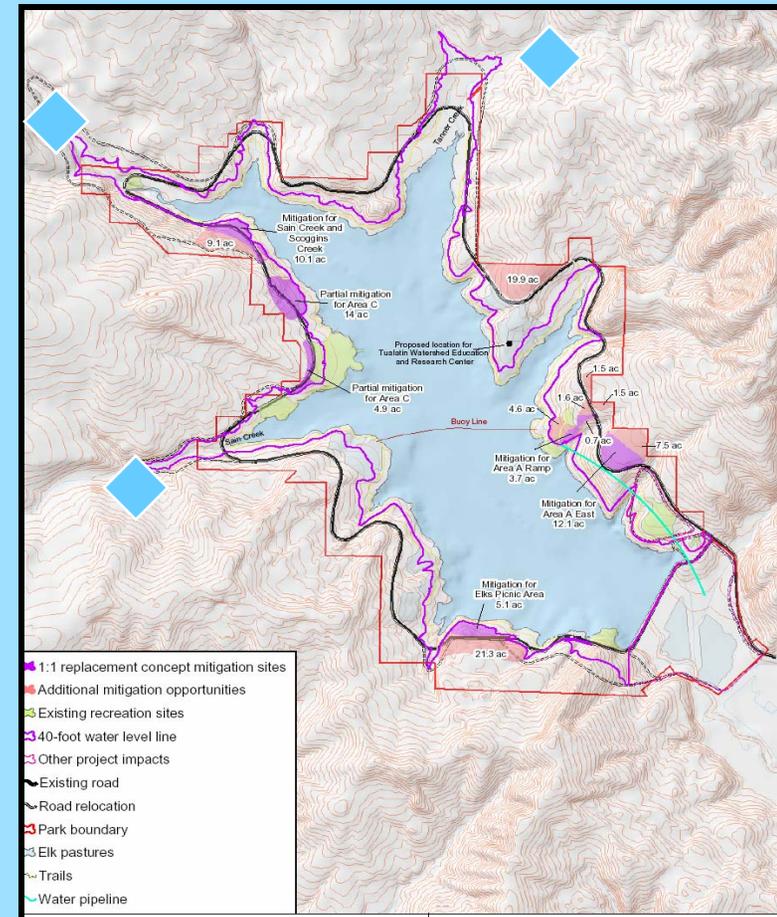
Maximum Section – 40 foot raise

Sustaining Our Economy, Watershed and Community

**Tualatin Basin
Water Supply Project**

Property Impacts Occur in Three Tributary Areas

- ✓ **Water level change**
 - **Alt 2: 40 foot – 370 acres**
 - **Alt 3: 25 foot – 235 acres**
- ✓ **Private Property**
 - **Alt 2: 40 foot – 167 acres**
 - **Alt 3: 25 foot – 115 acres**
- ✓ **Road relocation**
 - **4-5 miles of new road**
 - **2 new bridges**



**Proposed Scoggin's Creek
Picnic Area**

Henry Hagg Lake Recreation Area

Proposed C-Ramp Area

**Proposed A-Ramp
Redevelopment Area**

Henry Hagg
Lake

**Proposed Sain Creek
Redevelopment Area**

**Proposed Park
Administration and
Maintenance Yard
Redevelopment Area**

**Proposed Elk's
Redevelopment Area**

Raw Water Pipeline Overview



35,000 lf 96" WSP

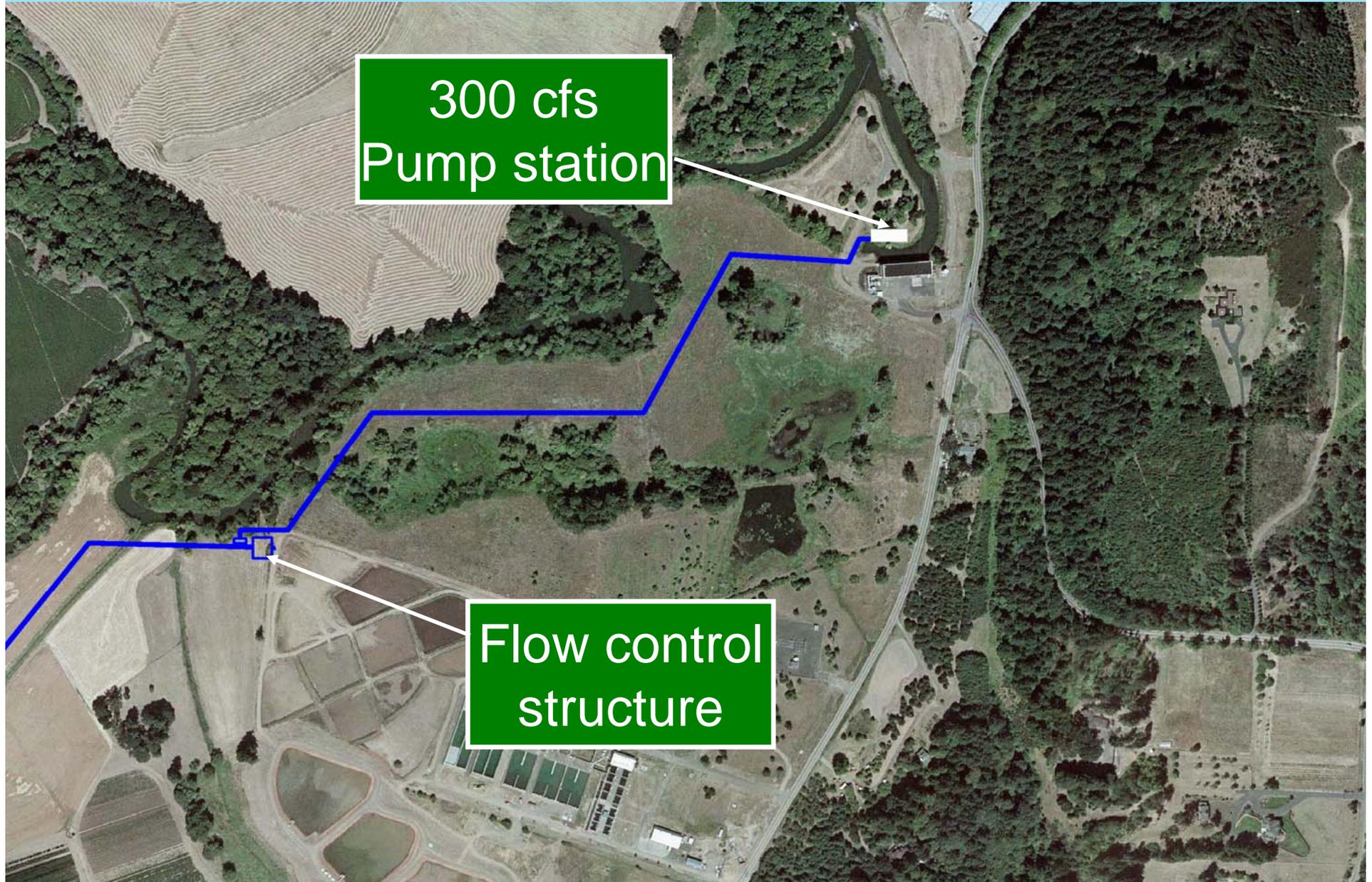
JWC WTP
Flow Control
Structure

Hagg Lake

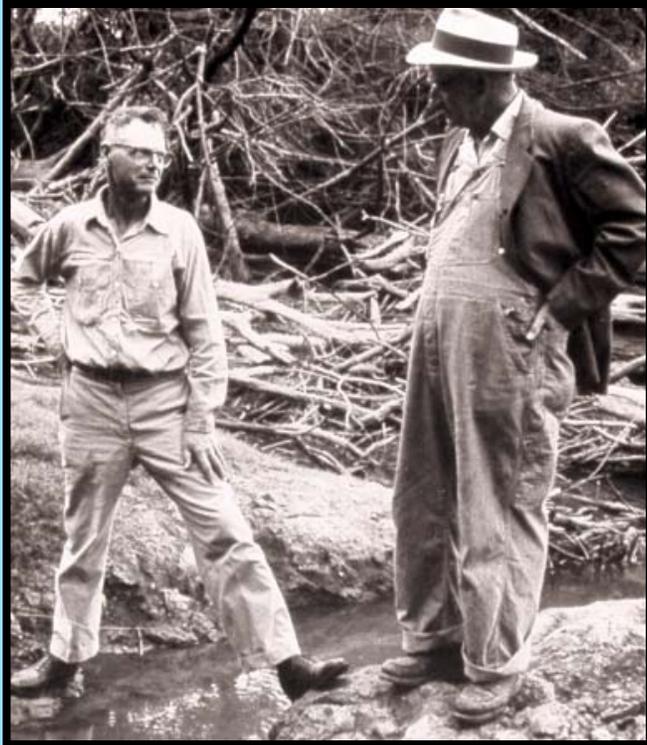
Sustaining Our Economy, Watershed and Community

**Tualatin Basin
Water Supply Project**

Pump-Back Facility Overview



Impact Analysis of Alternatives



- **Private property impacts**
- **Wetlands**
- **Wildlife (Elk)**
- **Water quality**
- **Hydrology**
- **Fish habitat**
- **Recreation**
- **Others (social, cultural...)**

Cost Summary Review



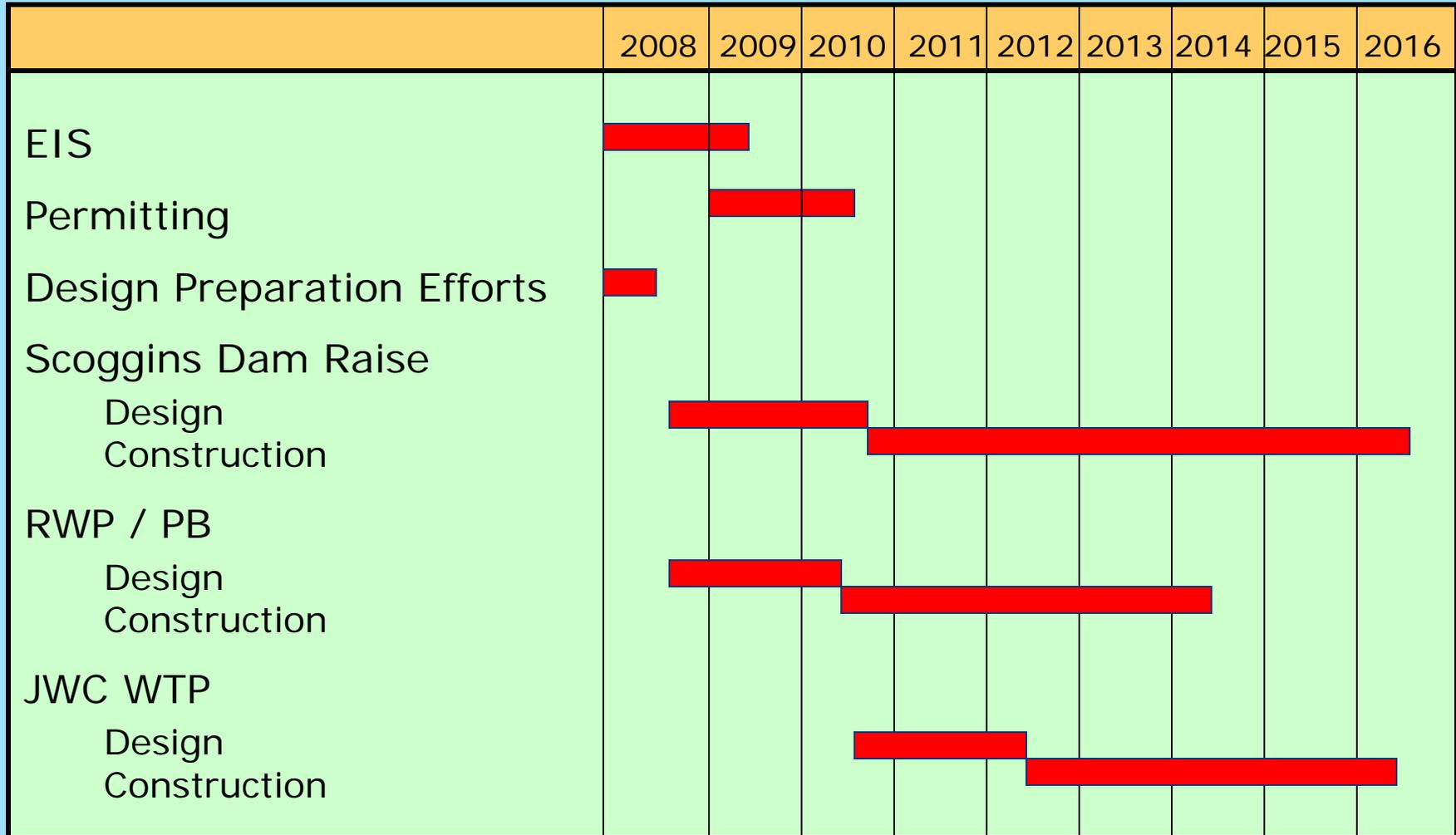
☰ Dam Raise Option

- 40' raise = \$263.6 M
 - Raw Water Pipeline = \$115.6 M
 - Pump Back = \$49 M
- Total = \$428.2 M**

☰ Multiple Source Option

- 25' raise = \$237 M
 - Raw Water Pipeline = \$90 M
 - Pump Back = \$40 M
 - Willamette Pipeline = \$285 M
- Total = \$652 M**

Overall Schedule



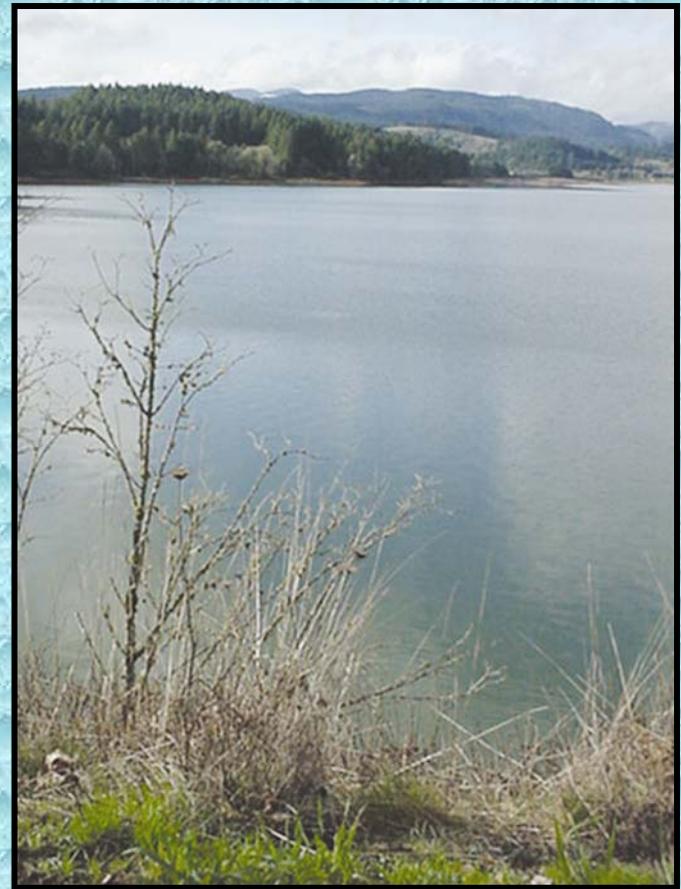
Tualatin Project Title Transfer



Tualatin Project Title Transfer
Exploring local ownership for improved water management

What Is Title Transfer?

- **A transaction that changes the ownership of federal facilities to local entities**
 - ✓ *Basically local agencies would buy the existing Scoggins Dam, Hagg Lake, Irrigation systems - TVID including adjoining lands and other Reclamation facilities.*



Tualatin Project Title Transfer
Exploring local ownership for improved water management

Existing Tualatin Project Contractors



- **Contractor and % share
Hagg Lake**
 - ✓ **Tualatin Valley Irrigation District – 54.5 %**
 - ✓ **Clean Water Services – 24.9%**
 - ✓ **City of Hillsboro – 7.4%**
 - ✓ **City of Forest Grove – 6.6%**
 - ✓ **City of Beaverton – 5.9%**
 - ✓ **Lake Oswego Corporation – 0.7%**
 - ✓ **Washington County Facilities – TBD%**

Tualatin Project Title Transfer
Exploring local ownership for improved water management

General Policies

- **Transaction Costs Must Be Shared**
 - **50/50 for NEPA compliance**
 - **100% Non-Federal For “Real Estate” Aspects**
- **Local entity must assume Liability For The Facilities**
- **Valuation - U.S. Treasury Must Remain “Whole.” Must Account for Revenue Streams (Through Contracts and Other Sources of Payment) That Would, Absent a Transfer, Come To The U.S.**

Tualatin Project Title Transfer

Exploring local ownership for improved water management

Cost and What's Transferred

- **Cost of transfer: \$6 - \$11 million (to be negotiated)**
- **Transferred elements:**
 - **Tualatin Project facilities**
 - **Land and water rights and easements**
 - **Operation and maintenance responsibilities**
 - **Legal liability**
 - **Regulatory requirements**



***Tualatin Project Title Transfer
Exploring local ownership for improved water management***

Why Title Transfer?

- ✓ **Local control**
- ✓ **Flexibility of managing and coordinating resources**
- ✓ **Efficiency of operation**
- ✓ **Cost and schedule savings for potential dam raise construction**

Tualatin Project Title Transfer

Exploring local ownership for improved water management

Title Transfer Process

- **Reclamation Process**
 - MOA including new valuation
 - NEPA – Environmental Review
 - Facilities Conditions Assessment
- **Transferee (Partners) Process**
 - Resolution to proceed with process
 - Governance Structure Development
 - Congressional Authorization

Tualatin Project Title Transfer

Exploring local ownership for improved water management

Challenges – Bad News!

☰ 1. Technical Area

- Fewer water supply options and tougher to secure
- Too many ideas – tough narrow your choices
- Needs change so may having to redo work

☰ 2. Financial – Where the money?

- Partnerships requires effort – different needs
- It will always costs more than expected and never enough

☰ 3. Political Process – Most important!

- Find a champion – difficult but important
- Stakeholder involvement can be a challenge
- Frustrations - recognize it takes time and being patient

Tualatin Project Title Transfer

Exploring local ownership for improved water management

Opportunities -- Good News!

☰ 1. Technical Area

- **Engineering is pretty straight-forward**
- **Look for options and listen to others for ideas**

☰ 2. Financial – Where the money?

- **Build Partnerships – broad thinking**
- **Working together is helpful**
- **The Partners may have available resources - staff**

☰ 3. Political Process – Most Important

- **Stakeholders can help if they understand the needs**
- **Provides communication avenue for other things**
- **Meet people with similar interests - it is a small world**

Tualatin Project Title Transfer

Exploring local ownership for improved water management