MID-COAST WATER PLANNING PARTNERSHIP

November 30, 2016

Objectives

- Welcome and introductions
- Review planning process and schedule
- Present progress on draft Charter and get input
- Provide overview of the Work Plan and develop path forward
- Identify information resources and needs
- Form education and outreach working group

Meeting guidelines

- Future focused
- Spirit of togetherness
- All viewpoints matter
- Strive to understand
- Practice patience
- Seek win-win
- Identify yourself
- Help us stay on track
- Be present

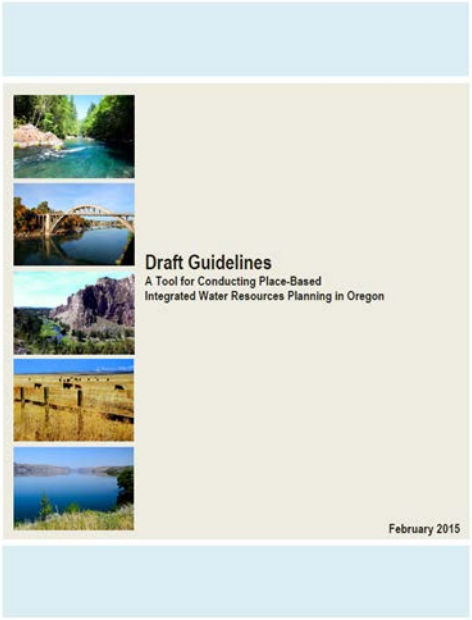
Integrated Water Resources Strategy (IWRS)

- Blueprint to understand and meet Oregon's instream and out-of-stream needs
- Contains over 40 recommended actions
- Highlights good work already happening
- Emphasizes a collaborative, partnership approach
- Helps to focus agency and partner actions
- Path forward for place-based planning

= Investments in science, capacity, and communities

Core principles

- Balanced representation of interests
- Balance current and future instream and out-of-stream water needs
- Open and transparent process that fosters public participation
- Local solutions
- Consistent with state law and policy
- Developed in consultation with OWRD



FIVE planning steps

1. Build a collaborative and integrated process
2. Characterize water resources

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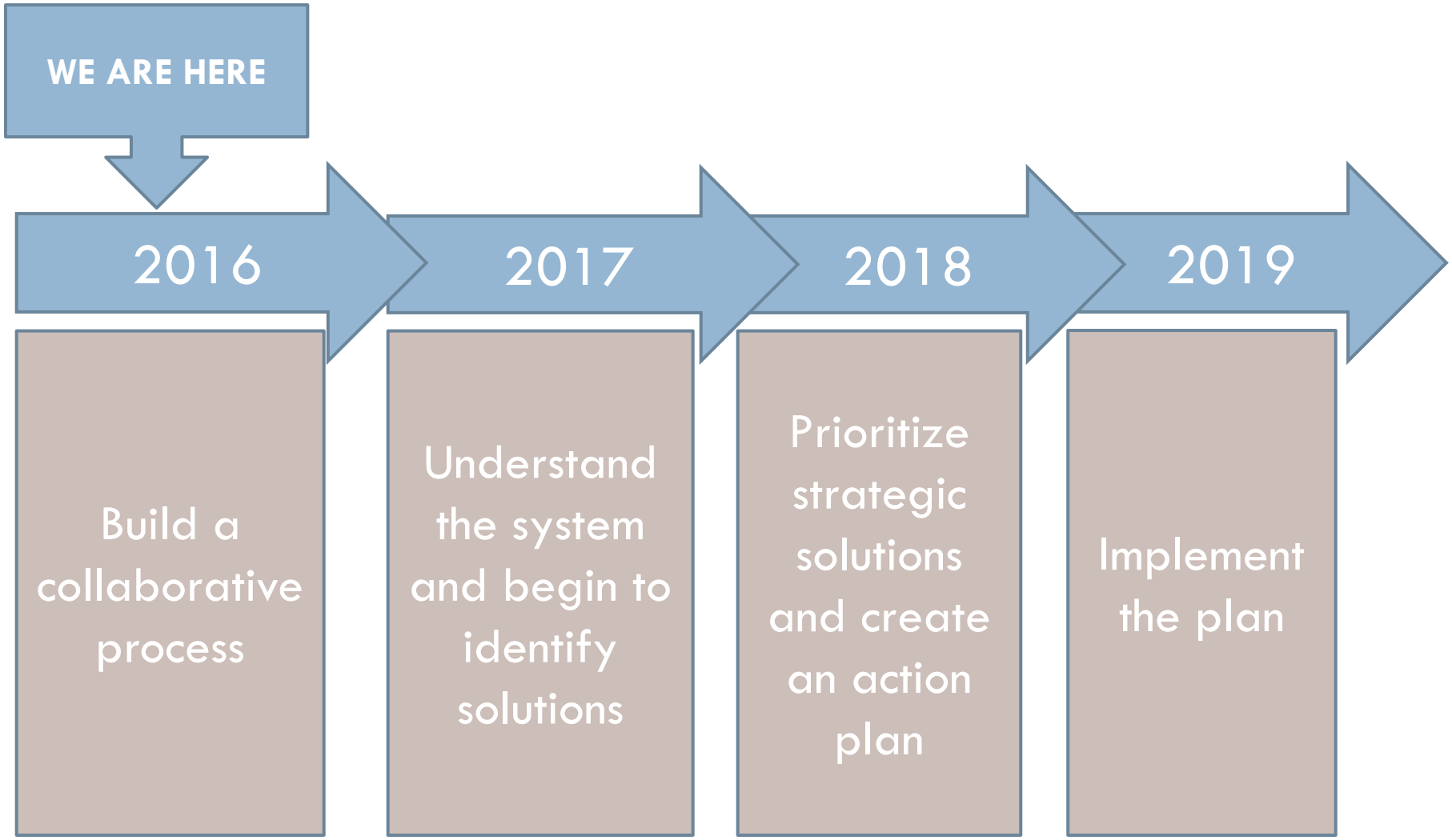
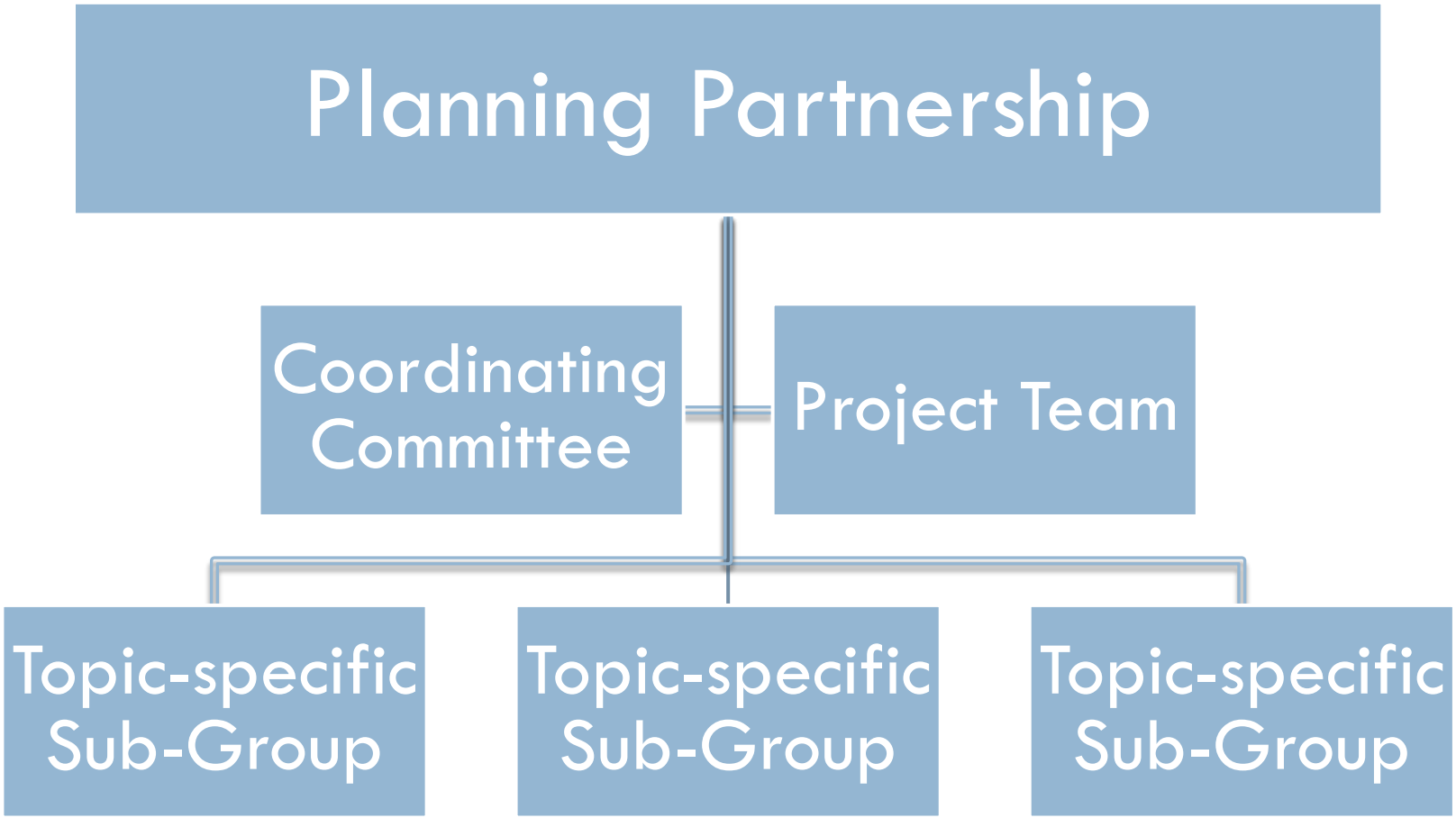
3. Quantify current and future needs
4. Identify integrated solutions to meet needs
5. Develop an integrated water resources plan

**Identify and leverage resources to implement plan

Planning process and schedule



Partnership structure



Working together

- **Collaborative** – sharing knowledge, information and expertise to create an action plan for the future
- Inclusive and transparent
- Balanced representation of water interests
- Working together to develop strategies we can all support, using consensus-based discussion
- Decisions will be informed by best available science

'Come let us reason together'

Outcomes

- Build relationships and develop a partnership
- Share knowledge and information
- Understand and characterize our water resources
- Identify future water supply needs
- Strategize how to make the most of limited resources
- Work together to develop and prioritize our options
- Develop a long-term action plan to address water challenges

How will we govern ourselves?

Purpose

Charter / Governance Agreement defines:

- Purpose of Partnership
- How we agree to work together
- Will serve as our Operating Agreement

Progress

- Partnership input provided on 9-29-16
- Coordinating Committee drafted key sections to share with you tonight

Draft Charter

Tonight

Round 1:

- Mission / Purpose
- Goals
- Guiding Principles

Round 2: Vision

Round 3: Structure and Decision Making

Future

- Member Responsibilities
- Meeting Protocol
- Communication
- Provision for Modifications

Draft Charter – Review & Input

- Mission: Our purpose – why we exist.
- Goals: Specific goals we intend to accomplish.
- Guiding Principles: Commonly held principles that guide how we work together in partnership
- Vision: Aspirational future we hope to achieve.

Round 1: Mission, Goals, Principles

- Review draft language
- Discuss in table groups – 10 min
  - Is anything missing?
  - Is there anything important to add or clarify?
  - Avoid 'wordsmithing'
- Table Hosts will record your input
- Large group report out of key thoughts

Mission / Purpose

The mission of the Mid-Coast Water Planning Partnership is to collaboratively develop a shared vision for our region's water future and identify, promote and pursue strategies to sustain our ecosystem, our economy, and our community.

Table Group Discussions – 10 min

- Review draft language in blue shaded area: Mission, Goals, Guiding Principles
- Discuss in table groups
  - Is anything missing?
  - Is there anything important to add or clarify?
  - Avoid 'wordsmithing'
- Table Hosts will record your input
- Large group report out of key thoughts

Vision Exercise -10 min

Table Group Discussion:

- Fast Forward 3 – 5 years
- News media is touting the Partnership's success . . .

YOU get to write the 'headline'

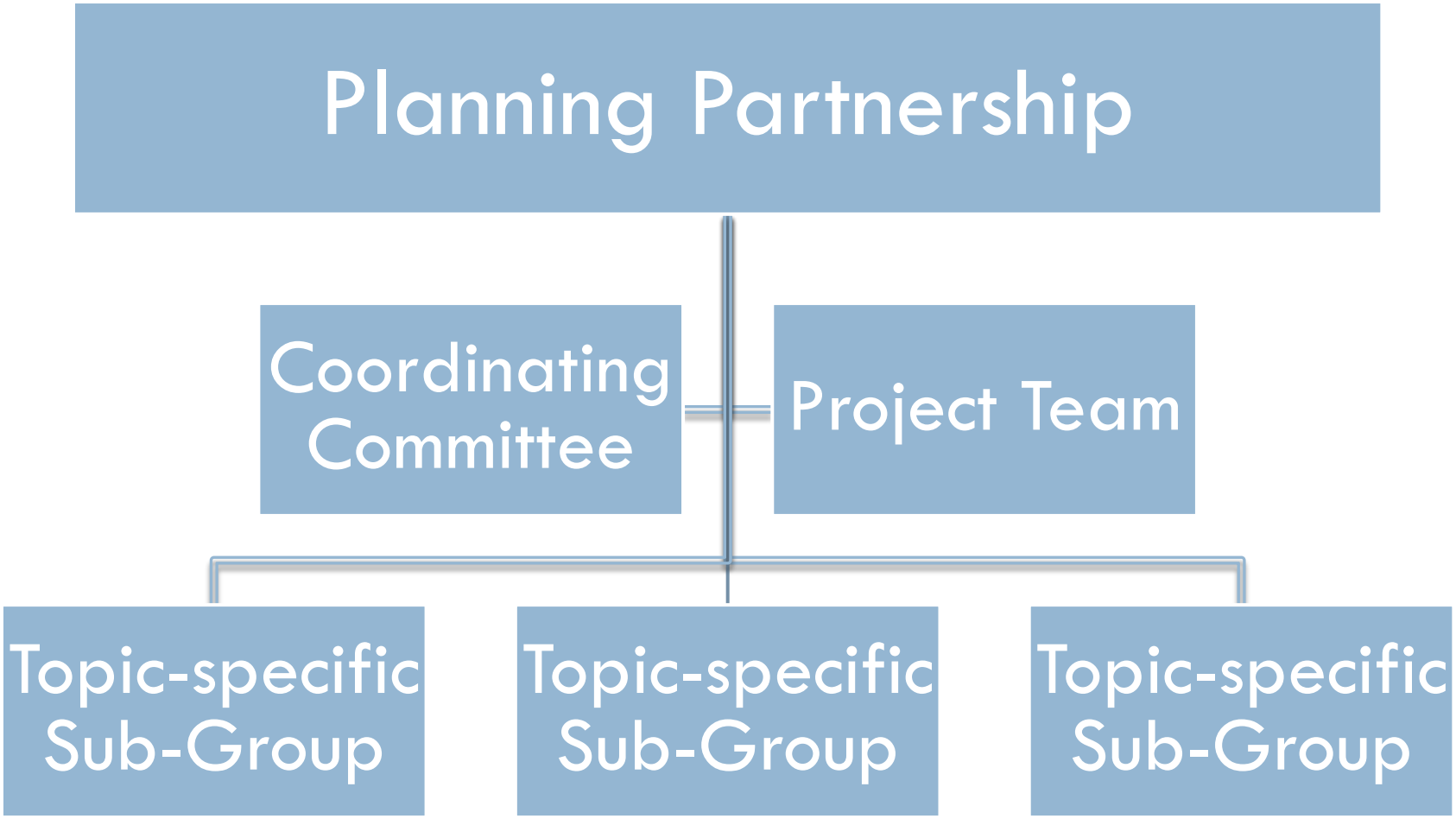
- What Big outcomes did we accomplish?
- What was the benefit of our work?

Think Big . . . Be Bold

ONE headline per table

Select someone to read your 'headline'

Round 3:
Structure and Decision Making



Decision Making

- Took input at 9/29 Partnership meeting
- Coordinating Committee reviewed work of 3 other pilots – selected 'best approach'
- Intent is to:
  - Provide forum for inclusive, transparent discussion
  - Identify opportunities and resolve issues in collective interest of Partnership
  - Make decisions in spirit of **consensus** using a **collaborative** process that engages all viewpoints

Consensus Defined

Members develop and agree to support a decision in best interest of the whole:

- The parties have had an opportunity to share and understand all viewpoints.
- The parties have reached a 'meeting of the minds' sufficient to make a decision and carry it out.
- Once agreement has been reached, the Partners are committed to supporting the decision.

When consensus isn't reached . . .

A. If time is available – continue to discuss the issue during the meeting or refer to subgroup for further study
B. If time is NOT available –
   - Refer to Coordinating Committee for further work
   - Report back to Partnership – attempt to reach consensus

Recording Discussion / Decisions

Meeting notes and report(s) will reflect:

- Items on which decision was reached by consensus
- Items on which consensus was not reached – a 'majority report' and 'minority report' will be recorded
- Items on which there are mixed opinions and Partnership could not come to satisfactory conclusion

Break

Work Plan

- What is a work plan?
- Why do we need a work plan?
- Who is responsible for developing the work plan?
- What are the next steps?
- What is the timeline?
- How will the partnership be involved?

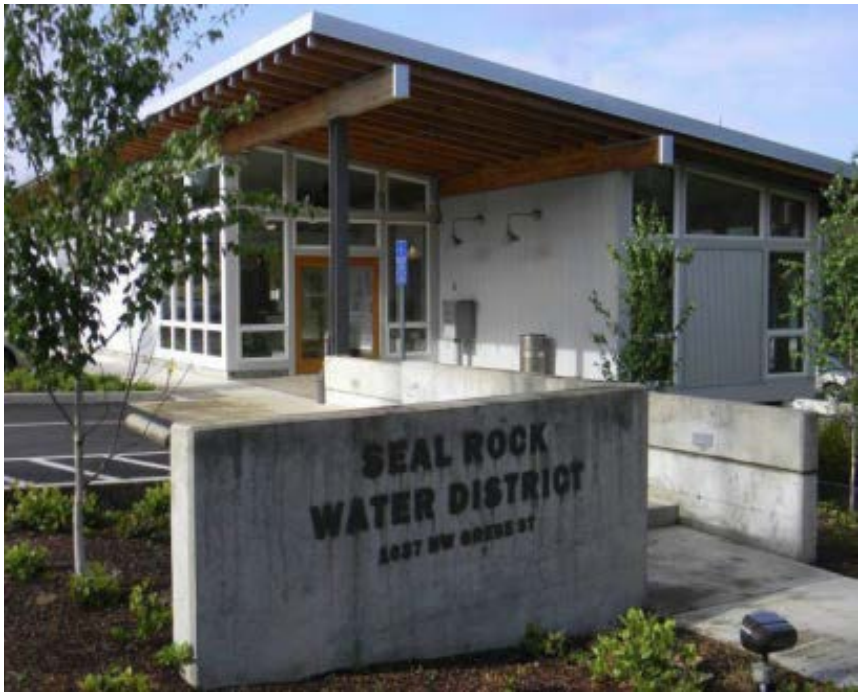
SEAL ROCK WATER DISTRICT

Water Data Needs and Wants

Seal Rock Water District

General Statistics:

- Service territory: 12.5 sq./miles
- District population: 5,500
- 9-full time employees
- 65-miles of pipe
- Service connections: 2,517
- Customer base: 95% residential
- Annual Water sales Volume: 95 - M/Gal

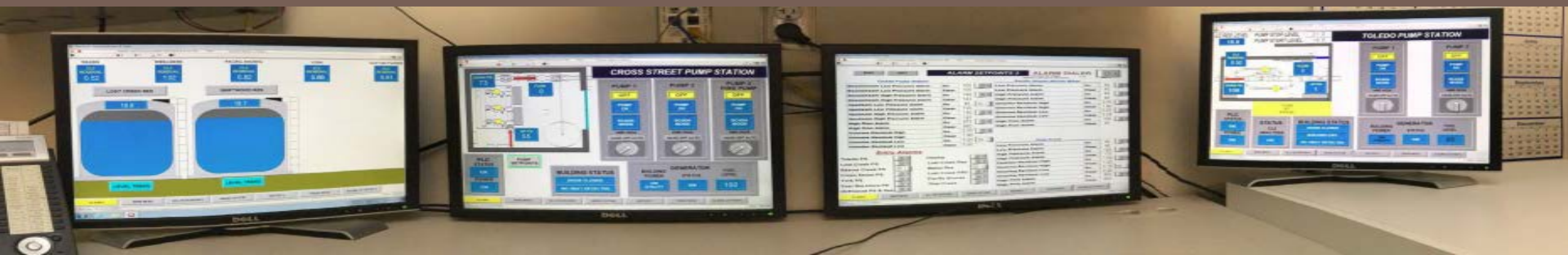


WHAT WATER-RELATED DATA/INFORMATION DO YOU CURRENTLY USE IN ACCOMPLISHING YOUR WORK?

- Water sampling data provided thorough laboratory analysis and real time water quality monitoring information.
- SCADA program information, real time system condition assessment.
- River flow conditions provided by ODF&W/USGS.
- Collecting/Reporting Water Quality Data enforced by EPA/OHA: Annual Consumer Confidence Report (CCR).
- Advanced Metering Infrastructure (AMI) data. AMI typically provides a substantial payload of actionable information.
- Recording unaccounted for water through system demand for annual reporting to the state.

WHAT WATER-RELATED DATA/INFORMATION DO YOU CURRENTLY USE IN ACCOMPLISHING YOUR WORK?

- Computerized Financial Management system.
- Protecting natural resources by understanding impacts related to the withdrawal of water from area streams.
- Tracking Legislative issues/opportunities through Special Districts Association of Oregon (SDAO).
- Data provided through consultants in the development/update of the District's planning documents, to include; Water Master Plan (WMP), Water Management and Conservation Plan (WMCP), System Development Methodology (SDC), SRWD Source Water Study…etc.
- Attending/participating in conferences hosted by professional and State associations: OAWU, APWA, LOC, SDAO, SDIS, AWWA, ORWARN, CWEA, OHA, WEFTEC, OR-OEM , LC-OEM, SAIF, USDA-RD, FEMA, IFA…and others.



WHAT WATER-RELATED DATA/INFORMATION WOULD BENEFIT YOU IN YOUR WORK?

- Demand Management….planning for growth/future demand.
- Better understanding of risks/vulnerability related to Natural Hazards (Cascadia Event).
- Information to help the District secure a reliable/sustainable/resilient primary source of water.
- Future State/Federal Regulations.
- Asset Management…identifying life cycle cost of system components.
- Budgeting for operation/maintenance and capital improvements.
- Rate structure, cost of producing safe reliable drinking water.
- Designing projects that support future demand, taking into consideration regional opportunities.
- How to capitalize on shared improvements with neighboring communities.
- Working with neighboring communities to understand risk and challenges.
- More interaction with local biologist to understand Risks/Benefits/Opportunities related to the withdrawal of water from area streams.
- Advanced technology to treat and deliver safe reliable drinking water.

MIDCOAST WATERSHEDS COUNCIL

Water Data Needs and Wants

Hydrological Data

- USGS River Gauges
  - Summer minimum flows
  - Fall-Spring stages to predict survey conditions in tributaries
- Maximum Flow calculations
  - Used for designing new culverts, bridges
  - Used for designing large wood projects

Hydrological Data Want List

- Additional gauge on the Siletz downstream of intake cluster
- Better weather data (more reporting stations) to facilitate calculating rainfall->flow dynamics
- System of lower-cost flow monitoring stations on tributaries, paired with water quality

Water Quality Data

- Temperature monitors – multiple sources
  - Document performance of riparian buffers
- Bacteria monitoring network – Lincoln SWCD
  - Document need for livestock exclusion
- Fine sediment / turbidity: data are sporadic, mediocre quality.
  - Supports measures to improve spawning, rearing habitat

Water Quality Data Want List

- More temperature monitoring, associated with flow measurement
  - To assess riparian planting effectiveness
  - To assess temperature effects of Log placements enhancing hyporheic flow
- Turbidity monitoring bundled with proposed tributary flow monitoring
  - To assess risk of fine sediment deposition

Ecological Data

- Salmon and Steelhead spawning surveys
  - Provide population estimates
- Summer and winter snorkeling surveys
  - Provide population estimates, densities, and distribution data
- Aquatic habitat Inventories (wadeable streams)
  - Quantify habitat parameters

Ecological data want list

- Aquatic habitat quantification protocols for larger streams and mainstems
  - Quantify channel complexity
  - Quantify cover
  - Quantify spawning gravel abundance
- Quantification of cool water refugia in larger streams

GIBSON FARMS, SILETZ

Water Data Needs and Wants

Gibson Farms Background and Water Usage Profile

Background:

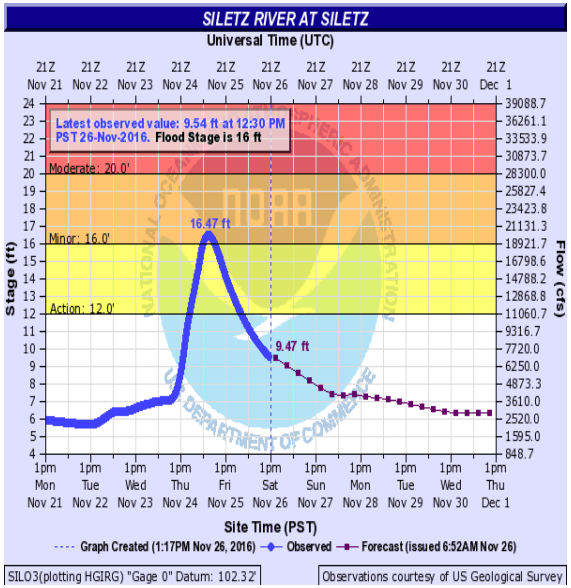
- Established in Logsden, 1937
- Now 3rd generation, farming blueberries, beef cattle, grass hay and incidental timber on approximately 200 acres.
  - 128 irrigable acres under 3 water rights dated 1952-1971, sourced from the Siletz River.
  - We manage 3.6 miles of Siletz riverbank and tributaries.

Water Use Patterns:

- Blueberries – 20 Acres
  - Irrigation Season from May through September.
  - Blueberries require approx. 1” of water every 7-10 days (weather dependent).
- Irrigated Hay and Permanent Grass Pasture – 108 acres
  - Cool-season perennial and native grasses require little supplemental water to *survive* summer on the Coast, but second-cutting hay and optimal mid-season forage production usually require irrigation July-September.
- Livestock water sourced from groundwater wells and springboxes facilitates rotational grazing on 180 acres.

What water-related data do we use on our farm?

- Weather
  - NOAA Point Forecasts (www.noaa.gov)
  - On-site precipitation records (in-house)
- Hydrology
  - Hydrologic Statements (weather.gov/Portland)
  - Hydrologic Forecasts for the Siletz River (NWS-Advanced Hydrologic Prediction Service, water.weather.gov)
  - Current/Historical Observations for Siletz 98 years (1905) of discharge and gage height data. (USGS National Water Information Program, nwis.waterdata.usgs.gov)



- Water Quality
  - Irrigation water Total Coliform Bacteria at sprinkler (fee-based laboratory)
  - Well water Total Coliform Bacteria (fee-based laboratory)
  - Well water PH (in-house)
- Water Usage
  - Daily Irrigation Records (in-house)
- Institutional Memory (family and community)
  - Climate Patterns and Variability
  - Flood Impacts
  - Low Water Impacts

What water-related data would benefit us in our work?

- <u>Local In-Stream Water Quantity and Quality</u>
- Used Quantities - Additional flow gauge(s) downstream of the "Siletz Diversion Points Cluster" and intervening tributaries
  - What is the relationship between combined municipal, industrial, and agricultural pumping and observed flows downstream? Are seasonal in-stream requirements being met in our reach of the Siletz?
- Siletz Water Quality – Temperature, fecal coliform, dissolved oxygen, pesticides.
  - How do our land-use practices impact water quality downstream? Can I use this data to help demonstrate to clients, regulators, and third-party certification programs that our practices are sound? To improve?





Mid Coast Water Right ***Fun Facts!***

- 63 storage water rights in the planning area.
- largest storage right is1420 acre-feet from Olalla Creek.
- 93 instream water rights in the planning area, covering 42 different bodies of water.
- City of Newport holds the oldest water right in the planning area - May 10, 1909 for the use of water from Big Creek.
- 14 surface water claims in the planning area.
- The oldest surface water claim is November 6, 1876.

GSI Water Solutions, Inc.

Education and Outreach

Internal – presentations, meeting notes, email list, announcements…

External – presentations, website, email list, press releases, multi-media…

- What is one water-related topic that you think everyone in this room should know about?
- What topic would you like to know more about?
- What topic would you be willing and able to present on?

Next steps

- Coordinating Committee meets to incorporate your input and further develop Charter and Work Plan

- Next Planning Partnership Meeting:

  January 25, 2017, 4 – 7 PM

  - Review Draft Charter
  - Develop Work Plan
  - Education and Outreach Progress Report

Thanks . . . and keep in touch!

www.midcoastwaterpartners.com