

OUR FIRST FIVE YEARS ~ OUR FUTURE

WRIA 8 SUMMIT - DEC. 3, 2010

WELCOME

"MY GRANDKIDS"

"WE'RE UP TO THE CHALLENGE"

GOOD NEWS: ALL WE DO HELPS TO CLEAN UP THE PUGET SOUND HELPING BY GETTING THE SALMON TO COME BACK!

• DR. DON DAVIDSON

• JEAN WHITE

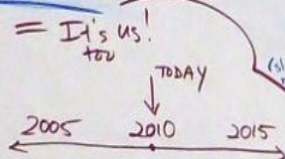
IMPROVEMENTS! SOME WE THOUGHT WOULDN'T HAPPEN. WE'RE CONNECTING THE DOTS STOP - CELEBRATE - ASSESS → MIDCOURSE CORRECTIONS CHALLENGE: IMPERFECT INFO.

THANKS! TO SO MANY FOR HELPING MAKE THIS DAY HAPPEN! YEAH! REI!

WRIA 8 CHINOOK CONSERVATION PLAN

*JEAN WHITE

- LAKE WASHINGTON · CEDAR · SAMMAMISH = It's us!
- CHINOOK LISTED 1999
- NEAR TERM ACTION AGENDA
- 2005 · PLAN COMPLETED → 2015
- WRIA 8 RECOVERY COUNCIL
- CEDAR RIVER POP. — HIGHEST RISK
- SAMMAMISH



WHAT NEEDS TO BE DONE

- FOREST & VEGETATION
- ↓ IMPERVIOUS SURFACES
- STORM WATER FLOWS
- REFUGE AREAS FOR SALMON
- RECONNECT RIVER TO FLOOD PLAINS
- WATER QUALITY & CONSERVATION



3 TYPES OF ACTION

- ⇒ HABITAT RESTORATION
- ⇒ LAND USE & PLANNING
- ⇒ PEOPLE WILL DO THE RIGHT THING
- ⇒ EDUCATION & OUTREACH

STATE OF THE SALMON AND THE WATERSHED

• SCOTT STOLWACK

HOW ARE THE FISH DOING?

VITAL SIGNS

NO TERM WRECK!
5 YEARS SHORT TIME
SALMON LIFE CYCLE
- DELAYS TO SEE RESULTS FROM ACTIONS

• CHINOOK SALMON

- AVERAGE POP. → PRODUCTIVITY - STEADY
- LIFE HISTORY DIVERSITY - LOWER THAN PLAN
- SPATIAL DISTRIBUTION - STEADY
- # of adults returning to spawning → ABUNDANCE + CEDAP - BELOW PLAN GOALS
- RESILIENCE!

• WATERSHED CONDITIONS

- FOREST COVER HOLDING STEADY STREAM PROTECTION
- RIPARIAN AREAS

(slight negative) WATER QUALITY - NO OBVIOUS TRENDS - BENTHIC ... "bugs" NO CLEAR TRENDS



IMPERVIOUS ↑
GAIN ≠ GOOD
STORM H₂O → LIMITING FACTOR

TECHNICAL COMMITTEE
- consistent monitoring to Puget Sound



Q: ARE WE GUARANTEEING FAILURE BY NOT MONITORING ALL STREAMS?

A: NEED TO CONTINUE TO PROTECT STREAMS.

Q: IS THERE A CONVERSATION FOR GREEN INFRASTRUCTURE?

A: NEED THERE TO BE MORE WORK HERE,

Q & A

Q: HATCHERY OR WILD CHINOOK

A: NATURALLY SPAWNING P

Q: WHY MORE CEDAR RIVER LA

A: DIVERSITY → RESILIENCE

Q: WHAT ARE HISTORIC #s? (

A: NUMBERS - RANGES BASED

Q: DIFFICULTY TO MEASURE - W

A: COMPLEXITY HERE. CON RELY ON ORIGINAL CHARAC

COMMENT:

• LAKE WASH. → CHINOOK ABAND

Q: OTHER ENV. CORRELATES?

A: CEILING CAPACITY IN RIV PROTECTS TO BENEFIT EARLY FOOD LIMITATION?

Q: IS WATER QUALITY NOT THE WHICH STREAMS ARE GETTING WHICH DROPPED? (DUE

A: MAINTAIN LONG TERM LOCATIONS. 6ED

AR FUTURE

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Q & A

Q: HATCHERY OR WILD CHINOOK?

A: NATURALLY SPAWNING POPULATION

Q: WHY MORE CEDAR RIVER LAKE FISH?

A: DIVERSITY → RESILIENCE & HEALTH

Q: WHAT ARE HISTORIC #'S? (ABUNDANCE)

A: NUMBERS - RANGES BASED ON STATE REPORTING

Q: DIFFICULTY TO MEASURE - WHAT ARE YOUR GOALS?
ARE WE MEASURING RIGHT THINGS?

A: COMPLEXITY HERE. CONSISTENT #'S/MEASURES
RELY ON ORIGINAL CHARACTERIZATION OF WATERSHED

COMMENT:

o LAKE WASH. → CHINOOK ABUNDANCE

Q: OTHER ENV. CORRELATES?

A: CEILING CAPACITY IN RIVER NOT IN LAKE
PROTECTS TO BENEFIT EARLY MIGRATING TO LAKE
FOOD LIMITATION?

Q: IS WATER QUALITY NOT THE MOST IMPORTANT?
WHICH STREAMS ARE GETTING MONITORED &
WHICH DROPPED? (DUE TO FUNDING CUTS)

A: MAINTAIN LONG TERM STREAM MONITORING
LOCATIONS · GEOGRAPHIC COVERAGE &
MAINTAINANCE

STRUCTURE?



Q: WHEN SEPARATE OUT URBAN
BASELINE? FALSE SENSE OF
SECURITY?

A: GREAT QUESTION. IT'S A CHALLENGE
PART OF GREATER DISCUSSION
FOR TODAY

HOW DO WE BRING THIS
ALL AROUND?

⇒ MOST IMPT ISSUES ON
TOP OF OUR AGENDA

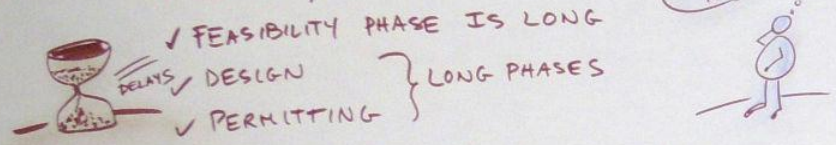
12.3.2010
WRIA 8 P.1
CATHIE BACHY

Q & A

FIRST FIVE YEARS: *MARY JORGENSEN

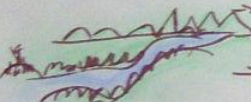
WHAT IS OUR PROGRESS TOWARDS PLAN GOALS?

KEY Q's [• HOW DO WE MEASURE PROGRESS? → NOAA'S HABITAT LIMITING FACTORS
 • WHAT TYPES OF PROJECTS GET COMPLETED?
 ✓ 23 completed = 14%



- CEDAR PROJECTS - 2/3 completed
- CEDAR RAPIDS FLOODPLAIN RESTORATION
 → "WHAT WE LOOK FOR IN THIS SYSTEM."
 LEVY, LAND ACQUISITION, RESTORATION
- CITY OF SEATTLE - LAKE WASHINGTON SHORELINE GREEN SHORELINE RESTORATION
- SHIP CANAL
- SAMMAMISH POPULATION
 → HABITAT PROTECTION (RESTORE WETLANDS)
 → NORTH CREEK, SPATIAL DIVERSITY
 → LITTLE BEAR CREEK, FOREST COVER
 → MOUNTAIN TO SOUND - INCREDIBLE!
- SQUAK VALLEY - 6 SOURCES OF FUNDING!

LAKE WASHINGTON



NEXT STEPS

- INCREASE FOCUS ON CEDAR RIVER
- ACQUIRED LAND → TO CONSTRUCTION
- REFINE PRIORITIES BY GEOGRAPHIC AREAS

IT TAKES TIME!!

THERE ARE PROJECTS NOT CAPTURED IN THIS SYSTEM - IN ADDITION TO 10 YEAR START LIST

KEY Q: H

Q: EVALUATION?
 - INCREASING SUCCESS OF SALMON POP

DON'T HAVE THE DATA TO CONNECT TO SALMON POP.
 NEED \$ FOR MONITORING - FUTURE FOCUS

WOULD BE GREAT TO SEE ON MAPS CONNECTION TO RIPARIAN RECOVERY & FUNDING.

RECOGNIZE \$ FOR IF WE COULD GET MORE MONITORING.
 DILEMA: \$ → GROUND OR \$ → DATA?

UNIVERSITY RESEARCH SUPPORT?
 \$ FOR FEASIBILITY SEED FUNDING

WE DON'T HAVE GOOD EVIDENCE ON WHAT WORKS

DATA FROM ONE WATERSHED TO INFORM OTHER WATERSHEDS

PROGRESS ON PROGRAMMATIC ACTIONS

+ JEAN WHITE

Q&A

WHAT IS NET BENEFIT BEFORE INCREASE INVESTMENT?

TAXATION SYSTEM? INCENTIVE FOR LANDOWNERS

PROTECTING RESOURCES BEYOND WHAT'S REQUIRED
ELIGIBLE PROPERTIES THAT HAVE NATURAL VEGETATION

MONITORING - 10,000 ACRES
TAX REDUCTION

WHEN DOES K-12 SHOW UP AS A PROGRAMMATIC ACTION?
K-12 - CORE CURRICULUM?
WHAT IS YOUR WILDEST DREAM?

WANT MORE PEOPLE TO UNDERSTAND WHAT WE DO (WRIA 8)

NEED PUBLIC OUTREACH VEHICLE

WE DON'T HAVE A PUBLIC OUTREACH VEHICLE

SCHOOL AUDIENCE

STORM WATER: "MANDATORY" REGULATION VEHICLES OR INCENTIVES?

STORM WATER POLLUTION

NEEDS TO BE PART OF CONVERSATION MOVING FORWARD

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CATHIE BACHY P.2

KEY Q: How can SALMON & PEOPLE LIVE TOGETHER IN THIS WATERSHED?

- CHALLENGES: NO CLEAR END DATE
WHEN ARE WE DONE
QUANTIFY LEVEL OF IMPLEMENTATION
HARD TO SEE ON THE LANDSCAPE
IMPLEMENTATION TRACKING
- SURVEYS: IMPLEMENTATION - BUT IS IT EFFECTIVE?
HOW IMPT. ARE THESE FOR THE SALMON?

- RESULTS: 73% ... ED FOR FOREST & RIBBIAN
GOOD NEWS: 86% - STORM WATER BEST PRACTICES } eg.

YEAH! HIGH/HIGH'S

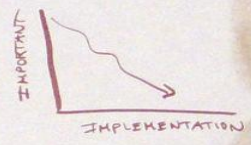
- SALMON SEE SON
- PROMOTE SALMON VIEWING



- BEACH NATURALIST PROGRAM
- SALMON WATCH

HIGH/LOW'S - EXAMPLES

- OUTREACH FOR LARGE WOOD
- ED. FOR CONTRACTORS
- ILLEGAL WATER WITHDRAWALS
- INCENTIVES TO PROTECT ECOL. FUNCTION
- NATURAL YARD CARE PROGRAMS



GOOD NEWS

OUTREACH & INCENTIVES FOR HOMEOWNERS

ACTION

- DO HIGH IMPORTANCE THINGS
- MONITORING
- LAND USE - THIRD PARTY REVIEW
- MAKE IT MORE TRACKABLE

THE CONNECT
ION POP.
\$ FOR
RING
FOCUS

RSITY
RCH SUPPORT?
EASIBILITY
DING

CAFÉ CONVERSATION #1

SCIENCE REALLY MATTERS
→ SALMON + SCIENCE

IF WE CAN DO IT HERE,
WE CAN DO IT ANYWHERE.

CITY ENV.

WATER QUALITY

It's PERSONAL



MY KIDS

"LEAVE THE PLACE BETTER
THAN WHEN YOU GOT HERE."

GUARDIAN
- CARE TAKER
- GREEN HEARTED
- SUSTAINABILITY

HARMONY

SPEAKING FOR
THOSE WHO DON'T
HAVE A VOICE

ELECTED
OFFICIALS

OUR
FUTURE

WHY DOES THIS
WATERSHED AND
ITS SALMON MATTER?

Why do H2O shed our salmon matter?
Cultural Icon
Public Expectations
ESA → if we can't restore, more strict regulation may apply
We live here - our home
Committed to health, livability, Quality of life
People identify w/ H2O shed + wetlands, streams, etc.

Can we do it? Can we co-exist w/ salmon in urban environment.
If we can do it here, with largest population + gain support here, then other areas can do it.
Moral obligation not to lead other species to extinction
Broader awareness - sustainability
Fix past mistakes
Other issues may overshadow this effort →
Salmon Justice - need to make some relevant laws
Forget better now than in 1930s. We are making improvements. Alot is able to restore + survive.

Salmon food source - people + other spp.
Salmon as part of ecosystem, even as carcasses
salmon resilient + adaptive - good chance to recover
equal visible sports fish - good indicator of health of streams
Rhine River dying - salmon not attention to clean
39 cities in K.C. - more than there - brings everyone to work together
drinking water - so much better here

- Salmon make our region unique
- Definition of PNW is everywhere
Salmon can swim
- Its where we live
- Watershed impacts us
- Improve salmon habitat improves our life
- If we can do it here - we can translate

Why does this watershed and its salmon matter?
- Legacy for our children/grandchildren
- Salmon part of envmt. what affects them affects us all.
- Spirituality
- Fishing
- WRIA 8 in urban environment
- Clean water, open space, etc. provide environmental services

Why does this watershed matter?
- Salmon in the here
- High level indicator of health of life here
- Gathering efforts
- If they are healthy, other things are healthy
- Salmon as a symbol of change in an important way by their actions
- If people care about salmon, they care about the watershed + region
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Concept of Watershed - connected to large circle of life
- in its web is whole system
- the more interconnected the city from here we see eagles because of salmon
- National areas allow us to live in urban area. Nature is not "out there"
- Salmon integrated freshwater + marine system - great indicator of impacts, but also ecological processes. Requires such attention

Why does this watershed + its salmon matter?
- Economic to local region
- Social Ecology - the way people interact in system
- Symbolic value
- Water supply
- Bill w/ water + Reg. efforts
- great way of partnership

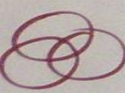
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RIVER WATERSHED

BANDAGES?

ABOUT THE WHO



WHOLE

EVERYTHING CHANGES
A LITTLE BIT

- It is so visible in this watershed
- Population provides appt. need their support - affect rest of state
- Toxics input is higher here need control
- Commercial fishing centered here
- doesn't stop at this watershed
- State Charter has salmon as icon does public connect w/ what it takes to save
- ironic we fight so many battles over state icon
- does public understand reality
- People hear news - "Fraser has big return" think its all good.

- Fish is local food to -
- It is so much of our culture
- overall impact to environment
- Never been able to figure out how to explain connections + cult'l impacts
- hard to explain why they affect fishing
- not simple fix

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WRIA 8 "Center of universe"
We live Here - Swimming, Boating, fishing, natural areas
Agree!
2nd environmental history of Seattle explains heritage - salmon as guiding force
"salmon are fish that might save Seattle"

3.2010 WRIA 8 SUMMIT
CATHIE BACHY. P.3



WHAT ARE THE POSSIBILITIES FOR OUR WORKING TOGETHER TO CONTINUE TO SAVE SALMON & OUR WATERSHED?



3
- if state has to choose to fund these
- need to set priorities
- need to set priorities

3
- Build Smart Policy
- State - G has resources they
- State - G has resources they
- State - G has resources they
- State - G has resources they

Step outside
direct watershed
and advocate for
agencies to stop
Our problems w

Next Steps
* Harvest a Hatchling
to integrate
together w
leadership.
(and your 5
months go
by 2012)
+ Develop a plan
together, sharing
ideas) Direct
People working in
cities, counties
and all relevant

* moving / Promoting / Transitioning
w/ private, community, business
Go: LEED salmon style
sustainable sites
Agencies or individuals change
and people are the key
Piggy-backing w/ existing programs
untapped opportunities
Eco-Districts
→ self-sustaining districts
energy, use, smart green
storage

Big Check!
Build critical
mass → big check
Public Relations
- common message
- sophisticated approach
- knowing audience
- Salmon
- curriculum
- salmon watershed
and schools

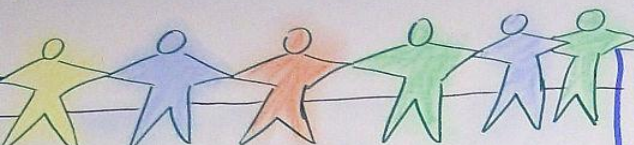
How to continue progress
despite budget crunches?
- Watershed district
may be a solution.
- Need monitoring
info to justify
- Project specifics
help w/ buy-in

Peer review / Peer
pressure to do the
right thing.
Mandatory policy
changes make a
difference, but grass
roots programs may
be missing.
Monitoring critical

90% restoration
projects
3% monitoring
1% studies → increase
budgeting of
efforts, do
these two

Continuity thru life cycle
- size of the river makes for
- size of the river makes for
- size of the river makes for
- size of the river makes for

Show rural fishermen, restoration, benefits
other citizens. Synergy w/ us
(Economic, social, fishing, and
(Economic, social, fishing, and
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WHAT ARE THE MOST POWERFUL NEXT STEPS WE CAN TAKE? CAFE CONVERSATION #3

NON PROFITS
RESIDENTS & CITIZENS
WE THE PEOPLE

STOP THE HARM!!
HOLD THE LINE
ADVOCATE

Challenge community groups to make a difference within their membership

Write our story for general public (Punderson, etc.)
Leverage the message using different venues

Identify and support elected officials and decision makers in supporting salmon recovery.

PRIORITIZE PROJECTS WITH TWO OR MORE BENEFITS
- FISH - RECREATION
- FLOOD CONTROL
- COST SAVINGS/EFFICIENCY FOR BUSINESS
- WATER QUALITY

UNTAPPED POTENTIAL
NON PROFIT ACTION

Step outside of direct watershed work and advocate for other agencies to stop making our problems worse.



Save Salmon
Save People

Enlarge the choir
Create a wave
Reach the "tipping point"

- 1. Identify the problem
- 2. Assess the current situation
- 3. Develop a plan of action
- 4. Implement the plan
- 5. Monitor and evaluate progress
- 6. Adjust the plan as needed
- 7. Celebrate success
- 8. Share the story
- 9. Build on success
- 10. Inspire others

Shift thinking in WRIA 8 from just restoration perspective to whole systems thinking, including environment, housing, education, economy, etc.

Seek major new funding via K-12 education reform to turn local sustainability stewardship, science and civics into core curriculum.

NEXT STEPS
* Harvest & Hatcheries → time to integrate & work together. Will take leadership.
(Next year: start of 2 yr review process of Rolt decision. Troops returned by 2012)
+ Eco-Districts
Increasingly more efficient, working together, sharing expertise (ie. bond loan sites). Drive even more now by people working together across cities, counties, etc.
Not all re-involvement. See links

Next step - take salmon message to Aquarium visitors (most are local) work w/ WRIA partners "You live in an Aquarium"

Need to show progress, showcase the projects.

Next Steps
• Combine staff on grant writing (not every entity needs a grant writer - combine)
• Resource coordination/council board (entity X needs help, Entity Y can help but they haven't met)

Send out the participation list. Think about what you can do to help. Be on hand in meetings. Sign personal letter.

WHAT'S YOUR SALMON STORY?

Programmatic partnerships or jurisdiction partnerships
collaboration on a broader scale

Tell your story - share successes.

Have kids telling our success stories (FERW).

Fix the valves at the locks
- Take the tour

EFFICIENT PRACTICES
LOW IMPACT
TABLE

* moving / Promoting / Transitioning w/ private, community, business
So: LEED, salmon safe, sustainable sites.
Agencies or facilitating change and people are the key. Picky-banking up existing programs. Untapped opportunity.
Eco-Districts
→ self-sustaining districts (energy, H2O, smart green sewage)

Amend state lands bill (1/0 day) + 40 year pass to allow for education or volunteer use at no charge.

Look within & without WRIA 8 for an environmental funding tool/fund (not just salmon ourselves)

Big Check!
Build critical mass → big check
Public Relations - common message - sophisticated approach - knowing audience - salmon curriculum - salmon watches and schools

Leverage existing partnerships to expand # (see Cedar Knotwood project)

Engage new partners - reach out meaningfully - WANT their participation
most successful when partnered with others not just as WRIA 8.
Need to do this more - eg. link w/ NPDES/Stewardship

NEED TO FOCUS (Next step)
Hard - Biggest "dang for buck" means the habitat
- locks, steep gradient biggest barrier - why not fix that?
- trap in same biggest barrier - not enough
NEED TO CLARIFY WHAT IS MOST CRITICAL (and have data to prove it)

Evaluate data (Scott's info) vs what we're doing (Marty's)
Morning said - fish low WQ sucks etc
Afternoon - Room, project "success"
NEXT STEP
Define success, then measure
- PHASE 2B - not accept for future where we are now

12.3.2010
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CATHIE BACHY

NEED TO MONITOR EFFECT of what we're doing
spent \$1000 - can't say it works
NOT SATISFYING
Behind game - will hurt funding + public support