

Puget Sound Partnership Science Panel  
Meeting Summary

June 18 & 19, 2008  
Olympic College, Bremerton

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**Day 1, June 18, 2008**

Science Panel Members Present:

- Joel Baker
- Guy Gelfenbaum
- Robert Johnston
- Jan Newton
- Timothy Quinn
- Usha Varanasi
- Katharine Wellman

Staff:

- Cullen Stephenson, Deputy Director
- Tammy Owings, Special Assistant to the Science Panel
- Scott Redman, Action Agenda Manager
- Martha Neuman, Action Agenda Director
- Mary Ruckelshaus, PSP Chief Scientist
- Terry Wright, Special Assistant to the Tribes

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*It is intended that this summary be used along with notebook materials provided for the meeting.  
The first day was a workshop and no recording was made during this time.*

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**10:00 a.m. CALL TO ORDER – Joel Baker, Chair**

Joel Baker opened the workshop portion of the meeting at 10:09 a.m.

Olympic College President, David Mitchell welcomed the Science Panel to the campus. He talked about how the Bremer Student Center is named after William Bremer, who founded Bremerton in 1891, and that the college still receives funds from the Bremer Family Trust. He also talked about how the community is interested in the work of the Puget Sound Partnership and how the students are involved in a climate change workgroup and becoming good stewards of the land limiting their carbon footprint. He encouraged including education in the Action Agenda and to use the colleges to get the work done.

Joel reviewed the agenda and discussed how the first day of the meeting is a workshop to prioritize the duties needed and make progress on the strategic science plan. Day 2 is a regular Science Panel meeting.

## **REFINEMENT OF SCIENCE PANEL TASKS AND SCHEDULE**

Scott reviewed the document he generated that outlines the legislative mandates and deadlines for the Science Plan.

Guy Gelfenbaum asked if the agenda item on “Lessons Learned” takes the place of bringing in other groups to talk about lessons learned in other efforts like the Puget Sound Nearshore Ecosystem Recovery Partnership? Scott reported this the first report and we will build off that discussion before bringing other groups in.

Scott talked about how obtaining information about lessons learned will need to be run parallel with writing the Strategic Science Plan.

Usha Varanasi talked about the differences between lessons learned on writing plans and implementing of plans. The Panel needs to hear about lessons learned on both. The Ecosystem Coordination Board and Leadership Council members may also want to be in on these presentations.

Tim Quinn discussed the need to write up a process for review so everyone is working off the same page. This is not listed in the table of tasks but needs to be done. The Panel will discuss this need later in the meeting.

The Science Panel needs to be ready to brief the Leadership Council on the Adaptive Management Plan in September and finalize in October.

Mary Ruckelshaus discussed the ecosystem framework/interface and how a group of social and natural scientists have gotten together to discuss this issue. The group has had one meeting. Trina Wellman is one of the members of this group. There is a lot of interest in the academic community about an ecosystem framework but they aren't sure how to get involved, the first part of the meeting was a start to involve them. The second part was to look at existing ecosystem issues and talk through ways of doing things differently in the future. One “ah ha” coming from this meeting was the question “what is an ecosystem framework and is it the right way to discuss issues?” The individual topic forum papers are being synthesized using the ecosystem framework to develop the strategic priorities.

Jan Newton reported the need to make sure the Panel coordinates the Strategic Science Plan and integrated systems to work together. Need to make sure they aren't individual spots of light but to be a cohesive picture.

Scott then talked about the need to have a staff person to work on information management and the monitoring system. Cullen will be working to hire someone to do this work.

Scott explained the multi-step process being used by the Puget Sound Partnership for getting to a final budget recommendation.

Scott then explained that Julie Hall on loan from the City of Seattle, and others on staff, will do the ground-work for development of the Biennial Science Work Plan but that the Science Panel has the main responsibility to write the plan. This year everything is provisional since the different activities are out of sync with the state budget process.

The group discussed what to do if Panel members get unsolicited proposals and how to not get sideways with different groups if the Panel does suggest new work. The group talked about the need for people to know that, at this time, the Science Panel is not doing solicitation for new projects but evaluating existing programs and doing a gap analysis. Once missing issues are identified, the Panel will need to get out and look for ways to fill the gaps. None of this will happen during the first part of the budget process but after the Action Agenda is submitted and the Legislature is in session.

Some Panel members are still wondering how all the parts will fit together and what all is out there. Scott believes the Biennial Science Work Plan will identify what science is out there and who covers what parts. This continues to be a transition year and the Science Panel will play different roles for different parts of the overall science.

Scott noted that the Panel will be discussing indicators on the second day of this meeting and need to find out how the Panel wants to work with the benchmarks (performance measures) and milestones.

Scott reported that the Strategic Priorities were adopted by the Leadership Council at its last meeting. The Strategic Priorities are:

- Focus activities and funding on urgent and important problems
- Protect intact ecosystem processes
- Implement restoration projects that provide high ecological benefit
- Reduce water pollution at the source

### **STRATEGIC SCIENCE PLAN WORKING SESSION**

The Panel reviewed the latest version of the Strategic Science Plan outline.

The outline will be used for the implementation of the Strategic Science Plan but haven't gotten the strategic science program in place yet so the Panel will be writing the 'how' before the 'what.'

Usha encouraged the need to include a commitment of management to use a scientific underpinning and not to just have the Strategic Science Plan be a document to sit on a shelf.

The Panel then spent time reviewing the outline section by section.

Mary reminded the group of the overarching questions: four strategic questions and the six goals and that the Panel needs to get away from the silos. In general, people are interested in health and wellness not how much toxics are in a system. The Panel will need to encompass the larger ideas. She also discussed the idea to give a science definition for policymakers to make decisions on the direction to go by using a baseline threshold exercise.

### **Monitoring**

Scott provided an update on where staff is on the integrity of water resource monitoring. Steve Ralph will bring the document tomorrow for the Panel to look at although it is not as detailed as Scott had hoped for at this point.

Ken Currens reported that:

- Puget Sound Partnership is working on the salmon monitoring program,
- Department of Ecology is working on the status and trends for habitat, and
- Department of Fish and Wildlife is working on the "fish in fish out" monitoring

What is included under monitoring:

- Status and trends
- Sources and pathways, and
- Effectiveness

Science Panel thoughts on monitoring:

- Look at possible formation of a Monitoring Advisory Panel to makes decisions on what needs to be monitored and new technologies to use
- Look at the monitoring characteristics suggested in the Independent Science Panel (ISP) report. Ken Currens will provide this document to the Science Panel members
- Look at EPA's EMAP and other monitoring programs and review what is missing or included in the different programs
- Develop a portfolio that includes the different monitoring programs
- Money will always be limited for monitoring efforts, so look at overlapping efforts in the various state agencies
- Need for the monitoring program to be independent
- Develop a process that allows for new variables and existing programs
- The Puget Sound Ambient Monitoring Program (PSAMP) is now under the Puget Sound Partnership umbrella
- Look at all pieces of monitoring to make sure it is integrated
- Include governance options presented by the Monitoring Consortium in the write up

Ken Currens, Steve Ralph, and Scott Redman will work with Joel to draft the next version of this section.

### **Research**

Science Panel thoughts on research:

- Need to have a research component in the Plan
- Need a RFP process to fill the gaps with research components
- RFP would not be open-ended
- There will be capacity to fill some gaps but not others
- The Science Plan needs to clearly show the gaps and make the case for doing the research
- The adaptive management uses a “Plan, do, assess, and adapt cycle” and the assess information would be coming from the monitoring work
- Research is a step before monitoring and will be a struggle to make sure this is how the process works since policy people talk a different language than scientists
- Need to have a real link between science and policy discussions – forced process
- Discussed the new effort to create a policy/science link
- Legislative mandate is that “best available science” will be used
- Would like a small amount of funding for innovation grants that wouldn’t be linked to management but linked to the research side of the plan
- Consider having more funding go toward monitoring and research than for implementation
- Need to lay out a flow chart of the biennial cycle or five-year cycle and deadlines
- May be interesting to lay out the Plan through 2020 although we don’t have all the information and will need the research
- Need to articulate why the research is needed and to lay out priorities
- Need to look at two or three different ways to secure funding
- Suggest creation of a research advisory panel
- Talked about educational programs (fellows, students, graduate studies)
- Need to remember that the Plan includes the uplands

Mary Ruckelshaus is going to help Jan Newton with drafting the research section.

### **Modeling**

Science Panel thoughts on a modeling program:

- Monitoring and modeling need to be linked to help focus the data, this is what adaptive management is suppose to do
- Need to be careful to not use modeling to simplify – can use this for predicting outcomes
- The Biennial Science Work Plan that Julie Hall is working on for the Panel includes inventorying of studies, plans, and models

- The PSMC (Puget Sound Modeling Consortium) is confined to the salty wet areas but a lot of groups in the consortium are also modeling upland non-wet areas
- Does this group need an advisory group also?
- Need to wait until the Action Agenda is complete to be able to decide the modeling needs
- Concern with all the different steering committees, if you have steering committee on research or monitoring then need wrap modeling into them
- Agreed that there is a need for modeling but not sure it needs to be a standalone committee (both monitoring and research would have modeling integrated)
- The Panel discussed different models and times that the Partnership may need to use modeling
- Need to wait to find out what Julie Hall finds out in her inventory – do need to a short section on modeling and how to use

Bob Johnston and Guy Gelfenbaum will draft this section with Ken Curren's assistance.

Need to have drafts of the above information by August 1 for discussion at the August 6 and 7 meeting.

### **Review of Topic Forum Papers**

The Panel reviewed the peer review process for the Topic Forum papers:

- The lead Science Panel member for each topic will identify reviewers (two or three) and send names and contact information to Tammy
- Joel will draft cover letter explaining to the reviewers what questions the Panel is asking them to review and timeline
- Tammy will send the packet to the reviewers
- The Topic Forum papers will be available by the end of the month
- Need to ask Martha Neuman what the due date needs to be for the responses

### **Georgia Basin Research Conference Papers**

It was noted that the Georgia Basin Research Conference papers are no longer posted on the Partnership Web page. The Science Panel believes this is an important body of work that needs to have public access and that the Partnership needs to keep this information. Staff will follow up to get this information back on the Web page.

**5:05 p.m. RECESS FOR THE EVENING**

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**Day 2, June 19, 2008**

Science Panel Members Present:

- Joel Baker
- Guy Gelfenbaum
- Robert "Bob" Johnston
- Jan Newton
- Timothy "Tim" Quinn
- John Stark
- Usha Varanasi
- Katharine "Trina" Wellman

Staff:

- Cullen Stephenson, Deputy Director
  - Scott Redman
  - Tammy Owings, Special Assistant to the Science Panel
  - Terry Wright, Special Assistant to the Tribes
  - Mary Beth Brown
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A full recording of this meeting is retained by PSP as the formal record.*

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Action Items:

- Approval of Revised Meeting Schedule
- Approval of Section 3 Teams

Meeting Summary:

- Introductions
  - Agenda schedule revision
  - Overview of recent events
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**8:55 a.m. CONVENED MEETING – Joel Baker, Chair**

Science Panel Chair, Joel Baker welcomed everyone and asked for introductions.

Joel reviewed the agenda reporting that David Dicks was unable to attend this meeting as he became a first time dad this morning to a baby girl.

Joel reviewed the June 18 workshop.

### **Approval of Revised Meeting Schedule**

Joel presented a revised meeting schedule for Panel approval. The new schedule adds an August 6 and 7 date and moves the September 25 and 26 meeting to September 16 and 17.

Bob Johnston noted that August 6 and 7 is actually a Wednesday Thursday schedule not Thursday/Friday. With that correction Bob **MOVED** adoption of the revised schedule. John Stark **SECONDED** the motion.

Guy Gelfenbaum reported that he will miss the August 6 and 7 meeting. Katharine Wellman will also be unavailable for this meeting.

Panel **APPROVED** the schedule as corrected.

### **Approval of Section 3 Teams**

Joel asked for a motion to approve the morning's discussion on the teams assigned to draft the different sections of the Strategic Science Plan.

Monitoring: Joel Baker will draft this section with the assistance of Ken Currens, Steve Ralph, and Scott Redman

Research: Jan Newton will draft this section with Mary Ruckelshaus' assistance

Modeling: Bob Johnston and Guy Gelfenbaum will draft this section with Ken Currens' assistance.

Jan reviewed the list of names and **MOVED** approval of the list. Usha Varanasi **SECONDED**. Panel **APPROVED** the list of assignments.

### **Topic Forum Peer Review**

Joel reviewed the process to be used for Topic Forum reviews. Joel will be drafting the letter to go to the reviewers. Once drafted, he will send to the Science Panel members for review and comment.

### **PUGET SOUND PARTNERSHIP UPDATE**

Cullen Stephenson reported that since the Panel is pretty much up to speed on what the Partnership is doing and questions have been around the Action Agenda, we are going to go straight to Martha's Action Agenda update.

### **ACTION AGENDA UPDATE**

Martha Neuman reviewed the latest schedule for Leadership Council Action Agenda decision dates and reported that the Ecosystem Coordination Board (ECB) meetings have been realigned to better line up with the Leadership Council meetings. She also reviewed the analytical work being done in preparation of the Action Agenda.

Bob Johnston asked about the canceled Synthesis Symposium. Martha doesn't believe that this will be rescheduled. The current plan is to write a paper that summarizes all the information in the Topic Forum papers.

The Action Area profiles are being written and two graphics developed for each (a map of the area and visual of current priorities).

Guy asked how the Action Areas are being represented. Martha explained that on the ECB there is a representative from each of the areas and each area has a Partnership staff liaison. Some Action Areas have core teams, which are made up of local stakeholders and coordinating groups. The Partnership is also planning another round of Action Area meetings to provide an opportunity for local review of the profiles although no formal review is planned. The profiles pull together the inventory information along with details such as cities, counties, watersheds, etc.

Joel asked what the Science Panel role is in this process. Martha didn't believe there was anything at this time but sees the Science Panel role later in the process.

Topic Forums comments will be organized, summarized, and ready by early July for the Science Panel to oversee an independent peer review.

The group discussed how the peer reviews will be incorporated in future revision but for now the issue papers will be posted without further revisions unless there is a gross omission or faulty information.

The Panel talked about the ways to get the peer reviewers comments back and when or how to engage with the authors.

Status of information being used to answer "What is a healthy Puget Sound?":

- Legislative definition of goals have been adopted by the Leadership Council
- List of Indicators are being developed

- World Resource Institute (WRI) will provide a presentation on goods and services at August ECB meeting

Martha reviewed the revised list of initial priorities that the Leadership Council approved at its June meeting:

- A – ensure we are focusing activities and funding on most important activities (using the tools to full benefit)
- B – protect intact ecosystem priorities – getting away from isolated fragmented approaches
- C- implement restoration projects that will reestablish ecological processes
- D – Reduce water pollution at its source – wording may change since not looking at point sources but reducing the pollution

The Science Panel will be asked to review the principles but will need to wait to do this until the Topic Forum work is done to make sure key principles aren't missed. Martha will write a cover letter on what she is asking the Science Panel to do and the due date.

Bob asked about the wording of the reduce water pollution priority? Martha couldn't remember exactly what the wording is but that we want to make sure it doesn't sound like just discharges but rather addressing the root cause of pollution like auto emissions.

Martha reviewed a graphic that showed linking strategies and actions. She reported that this is early thinking and at some point she would like to have Science Panel input on this thinking.

The Panel discussed how scientific research fits in to this graphic. Trina suggested scientific information can be shown as a box providing overarching needs.

Next steps on Action Agenda:

- Refine priorities
- Add actions – local and sound-wide
- Identify Partnership areas of focus the “where do we start”
- Develop funding strategy
- Create system for performance management

The next round of Action Area meetings will be used for review of the initial priorities and Action Area profiles.

Martha will check on the date for the Topic Forum papers to be ready for review and get back to the Science Panel.

## **STATUS AND THREATS – DRIVER AND PRODUCTS**

Mary Ruckelshaus reviewed the Risk Assessment.

She reported to the Panel that in mid-May David Dicks asked for a complementary statistical approach to use to get the current state of Puget Sound. The decision was to focus on Threats-Drivers instead of status information. This information will be able to get you to the correct direction sooner.

Mary reported that she is not looking to the Science Panel for independent review of this information, due to the limited time, but will continue to use the existing steering committee.

Spatial analysis work will be done in July and August. Mary would like to know how the Science Panel wants to be involved in this process.

Mary reviewed what threat data layers are available for the best information and risk information.

The Panel discussed how this work is being developed and how it will be used in the Action Agenda. For this round of the Action Agenda the plan is to use information that is already available such as ground water susceptibility and then continue analyzing the data sets over the next few years.

The steering committee will go through the list of 40 to figure out which are farthest along to screen and process. Mary asked how the Science Panel would like to be included in the process. The steering committee already exists but could use Science Panel members if interested. Bob and John would like to be part of the steering committee.

The Panel agreed that this may be a time where the Science Panel should be partners by helping when and where needed but having the steering committee continue the work.

Mary would like the Science Panel to review the Integrated Ecosystem Assessment (IEA) white paper and noted that on July 21 there will be a detailed briefing on the process and the analysis from 1:00 p.m. to 4:00 p.m. at the NOAA Montlake facility. Mary provided the white paper for the Panel. This workshop will be the start to look at longer-term use of the IEA and how the Panel would like to plug into this process.

The Panel then discussed the IEA work with Mary:

- The IEA is from caps to caps (watersheds, marine, and nearshore)
- The first iteration of the process does not include wildlife species but in future iterations this will be added
- The IEA is a Federal initiative
- The Partnership needs to figure out how this work will be used

On the 21<sup>st</sup> the group will receive a broad explanation on what IEA is nationally, then focus on Puget Sound, and then provide time for discussion.

## **PATH TO ADOPTION OF ENVIRONMENTAL INDICATORS**

Sandie O'Neill and Tracy Collier presented this agenda item.

Sandie reviewed the process used to get to the list of provisional indicators.

- The last step in the process is to select the indicators
- Have 650 records and 492 have been reviewed to date of the 492 she would put 104 on the list of provisional indicators and believes there will be another 20-40 provisional indicators.
- First identified all the duplicates and flag as a redundant list.
- First day of evaluations was April 21 and started classifying as:
  - Unsuitable
  - Possible future indicators
  - Potential indicators
  - Good indicators
- Phase 2 will be a gap analysis to identify missing indicators assessment of how good the early indicators are
- Human Well Being indicators are being done through an independent process but coordinated with the environmental indicator process

Phase 2 will:

- Continue dialogue between policy and science
- Use criteria and framework developed in Phase 1, refine indicator selection, add new indicators, and create synthetic indicators as needed
- Refine conceptual models
- Add threshold indicators
- Use IEA to model management scenarios and refine indicator selection

Sandie will need to get to environmental indicators and recommended benchmarks to the Science Panel by August so they can provide recommendations to the Leadership Council by its September meeting.

Joel discussed the proposed schedule and process to use to be able to draft a letter to the Leadership Council to be used when the information is discussed or talked about. The Leadership Council realizes that there will be a smaller set of indicators to be used for communication and a broader list that supports monitoring programs and science needs.

The Panel discussed what level of detail on indicators is needed for this round of the Action Agenda and how to decide which indicators to use. Some of the indicators are well vetted and mature where others are less mature and it seems the focus should be

on phase 2 to get the list of indicators and would suggest going forward with phase 2 sooner.

### **OPEN PUBLIC COMMENT**

**Doug Myers, People for Puget Sound**, made observations from the morning session. The process seems to be going away from the Action Areas – watershed assessments are good but they haven't evaluated marine. He is wondering how the goods and service interviews will be used. And is concerned that the development of Actions fails to include any science and he wonders how this will be taken care of. He reported that People for Puget Sound has a document on the "Puget Sound Blue Print" and talked about the PSNERP work and need to work together to get things done.

**Heather Trim, People for Puget Sound**, is concerned with process policy and wants to make sure the Science Panel has an open public process to have credible process. She believes the August meeting in Hood Canal is challenging for people to make it. Likes the meetings to be around the Sound but the August meeting needs to be in a place that is easy to get to. She was concerned about not having a topic synthesis paper. She hadn't voiced concern before since she thought it was going to be available. She also discussed the Priority D and talked about need for a public process on for identifying the indicators.

### **TOXICS STUDIES**

Tom Eaton and Randy Shuman presented this agenda item.

Tom gave a short history on the Toxic Loading Studies and noted that Partnership 1.0 found toxics as an issue. A phase 1 study has been completed. Randy has been working on this study on behalf of the Partnership.

Randy then provided details on the toxic loading studies. One conclusion was that there are many data gaps including roadways, wastewater discharge, and sediments.

Phase 1 and 2 looked at existing data where phase 3 will look at existing scopes and identified agencies. There is a need to get a two category toxics study underway.

#### **Category 1**

- Air disposition, RFP process underway
- Project management needed characterize POTWs (Publicly Owned Treatment Plants), logically Ecology task

Category 2 includes everything else and process to reevaluate the strategy for implementation with the Steering committee, Partnership, and Science Panel.

Asking for Science Panel assistance with figuring out:

- What work is done?

- Who does the work?
- Who decides?
- Process:
  - RFP
  - Agency in-house
  - Approved Contractor List
- Steering Committee process
- Recommendations

Joel responded that this is the first chance the Science Panel has to look at this information and needs to understand how this work fits into the Partnership? Tom Eaton reported that they are assuming that toxics will be part of the Action Agenda.

Tom talked about the need to have an event to release what has been found in phase 2 of the study.

The Panel discussed where they fit in and how this work needs to be linked in to the work of the Panel. Randy would like participation by this Panel for their expertise and also as a link to the bigger science community.

Jan was a little wary for the Science Panel to step into this process at this point in the process but thought maybe one or two members could volunteer to step in as advisors to the group and consider this a transitional year.

This year a Science Panel member or two will be asked to volunteer as advisors to the group but wait until the next cycle before the whole Science Panel gets into the process. Science Panel members who volunteer for this will not represent the Science Panel but would report back to the Panel. No Science Panel members were identified during this meeting.

## **LESSONS LEARNED**

Tom Eaton, provided key recommendations for Federal role with the Partnership:

- Primary role should be to assist the Partnership to develop and implement the Action Agenda
- Direct funding primarily to implement the Action Agenda
- Take a leadership role in science, data, and information management
- Connect Puget Sound efforts with other large estuary efforts and to share science and lessons learned

Science Panel thoughts:

- To be successful a Legislative mandate to use best available science (BAS) is needed - Partnership needs a Legislative mandate to use BAS

- Part of the stress is when scientists tell managers that it will take 3-5 years to get the answers needed to make a good decision but the managers need to have the answers now
- Need to have an office that integrates both the policy and data needs

Key lessons learned overall:

- Address land use and growth issues
- Build a strong science foundation
- Employ both voluntary and regulatory tools
- Be objective-driven and management for results
- Measure outcomes not just outputs

Scott reported that there had been confusion with the invitation to PSNEP group so this presentation will need to be at the August Science Panel meeting.

### **INVENTORY OF ECOSYSTEM MONITORING IN PUGET SOUND BASIN**

Scott Redman provided a copy of the inventory work being done by Jones and Stokes, this work includes both the inventory and indicators work. The effort to combine the databases has already started and a presentation on the work will be shown at the August meeting.

Scott Hitchcock explained the process and the work they are doing on the inventory. They are trying to minimize the survey fatigue. This inventory will be Web-based and simple for filling out.

Scott Boettcher, Cherry Creek, explained his background with Ecology on the user information side. He explained that the metadata is on the web and invited the Science Panel to look this information over.

([http://jonesandstokes.us/www/site/alias\\_mid/1358/data\\_collection\\_form.aspx](http://jonesandstokes.us/www/site/alias_mid/1358/data_collection_form.aspx))

Guy asked where this will be housed and maintained. Scott Hitchcock reported that they are working with other contractors to find the best way to handle the housing and maintenance of the information.

### **STATUS AND TRENDS MONITORING**

Ken Currens provided an update on the MAMA explaining that he is working with Joe Ryan to finish this plan. The plan needs both a critical science review and a critical agency review. They are not asking the Science Panel to review the information but will be using the Technical Review Team.

Joe Ryan and his staff are working on implementation monitoring. Status and trends monitoring efforts have been started at Ecology and the Department of Fish and Wildlife is focusing on the fish in fish out monitoring.

Watersheds are already going out to start their own monitoring and there is a need to figure out how to tie that work in to the main system.

Steve Ralph provided an update on the Puget Sound Water Quality Monitoring Program. Steve gave a brief overview of his handout titled "Draft discussion paper outlining a conceptual water quality monitoring program for the Puget Sound Partnership." He is looking for nominal buy-in from Science Panel at today's meeting.

Bob asked who is doing the steps two and three in Steve's flow chart. Steve thought some of this would come out of some of the other work such as the Topic papers, but the timing hasn't worked since the papers wouldn't be done until later than needed to move this work along. Scott believes the initial strategies the Leadership Council has adopted will be enough to start this work.

Steve would like to keep the group small but to put together a team to be able to present information at the August Science Panel meeting and prepare for the September Leadership Council meeting.

Joel is not sure the monitoring program is moving the way he would like and he needs more discussion with Scott and Bill Wilkerson to get find out what the Partnership is wanting.

#### **OPEN PUBLIC COMMENT PERIOD**

*Doug Myers, People for Puget Sound*, was sorry that Brie and Si couldn't make it for the PSNERP presentation. He reported that he provided Tammy with a link to Brie's work that she can provide to the Science Panel members.

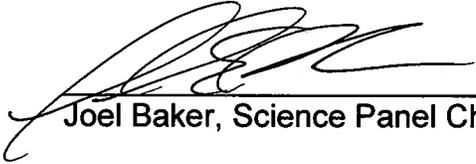
Doug noted that status and trends monitoring by themselves don't indicate health there needs to be numeric goal setting and measurements. He provided a Web site to the Shoreline Alliance Web site <http://www.shorelinealliance.org/> and said he would be willing to set up a briefing on goal setting.

*Heather Trim, People for Puget Sound*, handed out the paper on mixing zones, and then asked about the review of the monitoring paper.

Scott explained a slight change in pathway and will still get to this step but not under the original timeline.

**4:00 p.m. ADJOURN**

Science Panel Approval

  
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Joel Baker, Science Panel Chair

12/16/08  
\_\_\_\_\_  
Date

Next Meeting: July 21, 2008 - Workshop