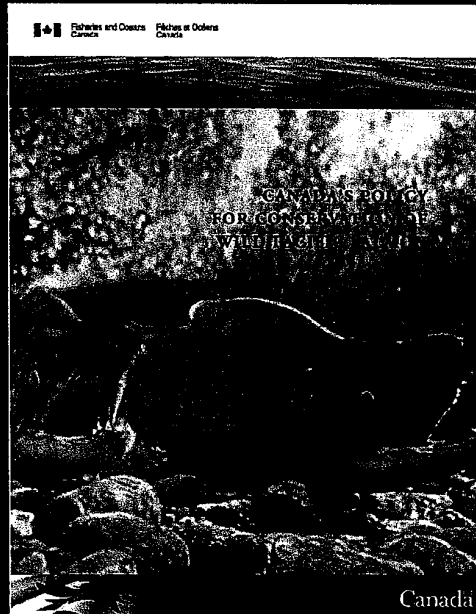


Operations Committee

WSP Update

January 8, 2009



Fisheries and Oceans
Canada

Pêches et Océans
Canada

2

Outline

- Purpose
- Overview on Strategies 1, 2 3, and 4
- Review of Strategy 4 in detail
- Summary of Next Steps
- Implementation Issues
- Conclusion



Purpose

- Provide an update on implementation progress with focus on Strategy 4
- Review and discuss key issues and challenges with implementation
- Discuss upcoming priorities and funding pressures



Strategy 1- Standardized Monitoring of Wild Salmon

Progress	Next Steps	Challenges
<ul style="list-style-type: none">• Released CUs for BC and methodology paper• Drafted benchmarks methodology paper	<ul style="list-style-type: none">• Develop CUs for Yukon• PSARC workshop on benchmarks methodology in Jan 2009• Area staff to work with stakeholders to identify benchmarks and assessment frameworks for priority CUs	<ul style="list-style-type: none">• Stakeholder expectations on implications of benchmarks• Criteria used to determine priority CUs• Science capacity to support Areas on benchmarks and assessment frameworks• Area capacity for monitoring and assessment work

**Strategy 2 – Assessment of Habitat Status**

Progress	Next Steps	Challenges
<ul style="list-style-type: none">• Drafted discussion paper on proposed habitat indicators, metrics and benchmarks for streams, lakes and estuaries• Began drafting monitoring framework• Internal discussions on integration of Strategy 2 into OHEB programs	<ul style="list-style-type: none">• Science review workshop of methodology and outcomes of habitat indicators in Jan 2009• Continue development of monitoring framework in collaboration with partners and stakeholders• Continue integration of Strategy 2 into programs• Launch web-mapping tool	<ul style="list-style-type: none">• Regional capacity to finalize monitoring framework, and assess, analyze and manage habitat indicators information• Area capacity for implementation• Integration with Strategy 3 ecosystems monitoring• Identifying partners' support for monitoring• Maintaining web-mapping tool

**Strategy 3 – Incl. of Ecosystem Values & Monitoring**

Progress	Next Steps	Challenges
<ul style="list-style-type: none">• Presented process to identify ecosystem values, objectives and indicators at March 2008 Forum• Integration of climate and ocean information in annual <i>State of the Ocean</i> reports• Discussions with BC-MOE groups re: common interests in aquatic ecosystem indicators	<ul style="list-style-type: none">• Draft paper on ecosystem objectives, indicators, benchmarks, and management options for PSARC review in late Spring 2009• Recommend steps to address critical information gaps re: ecosystem indicators• Recommend steps to integrate habitat and ecosystem indicators	<ul style="list-style-type: none">• Scope of implementation given limited resources• Capacity and resources for ecosystem indicator development and monitoring• Identifying partners for ecosystem monitoring• Implications of ecosystem assessments for management of human activities



Strategy 4 – Integrated Strategic Planning

Progress	Next Steps	Challenges
<ul style="list-style-type: none">• Finalized FRSSI collaboration of 4 year plan for Fraser sockeye• Began discussions on strategic planning for Barkley Sound pilot – all species• Drafted overview discussion paper for Barkley Sound pilot	<ul style="list-style-type: none">• Stakeholder consultations on Barkley Sound pilot in January 2009• Identify planning units for future pilots; internal workshop in March 09	<ul style="list-style-type: none">• Identify scale and scope of planning units• Determine priority planning units• Stakeholder expectations for implementing planning pilots in other areas• Area capacity and resources required for implementation of strategic plans



Strategy 4 - FRSSI Review

Fraser River Sockeye Spawning Initiative (FRSSI)

GOALS

- Manage spawning escapement to ensure conservation while considering social and economic values
- Improve the existing consultation processes by focusing on proactive discussion of spawning targets and operational guidelines
- Develop management reference points and a long-term strategy for managing Fraser River sockeye
- Develop processes for reviewing and modifying harvest and spawner strategies



Strategy 4 - FRSSI Review

PROCESS

- Five step planning process under WSP (see Annex)
- Technical working group
- Workshops with 40 invited participants to foster a collaborative development approach
- Followed by consultation through regular structured advisory process



Strategy 4 - FRSSI Review

TOOLS DEVELOPMENT

1) Model and Analysis

- Simulate performance of 19 sockeye stocks 12 generations into the future
- Apply different escapement strategies & compare expected performance

2) Structured Decision Making

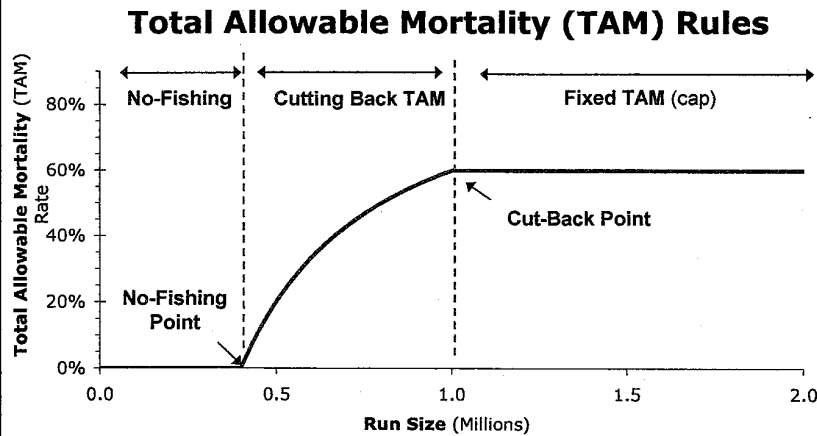
- Define problem
- Define issues, objectives and evaluation criteria
- Develop alternatives
- Estimate consequences
- Make trade-offs and select
- Implement and monitor

3) Communication Tools

- Simple spreadsheet tools for exploring Fraser R. sockeye productivity
- Annual memo explaining options for setting total allowable mortality targets



Strategy 4 - FRSSI Review



Strategy 4 - FRSSI Review

LESSONS LEARNED

- The 5 step planning process is an effective methodology for developing integrated plans.
- The collaborative process for the Spawning Initiative was very successful due to substantial commitment of resources from DFO and participants.
- Inability to develop socio-economic values to estimate consequences, make trade-offs and select options.
- Workshops were constructive because the Principles of Participation clearly defined the role of participants. Once they grew comfortable with providing feedback as individuals, rather than representing an interest group or organization, the emphasis shifted to jointly tackling fundamental questions and technical complexities.



Strategy 4 - Barkley Sound Pilot

GOALS

- Develop a fully Integrated Barkley Sound salmon management plan that specifies long term biological, social and economic targets that ensure conservation and sustainable use.
- Test & refine Strategy 1-3 indicators and benchmarks for "on the ground" utility
- Identify resource management actions to protect and or restore salmon, their habitats, and ecosystems in order to achieve these targets.
- Develop a governance co-management framework that informs other areas.



Strategy 4 - Barkley Sound Pilot

CHALLENGES

- Stakeholder expectations are very high in Barkley Sound. Managing these expectations will be difficult.
- Keeping a dedicated multi-disciplinary team focused on the project given competing pressures will be challenging. Strong RHQ, Science and Area support from all Sectors for the project is necessary.
- Providing adequate resources requires an accurate appreciation of the magnitude of the task, both in terms of the amount of time and the personnel required.



Strategy 4 – Barkley Sound Pilot

NEXT STEPS

- **Barkley Sound Project Underway**
 - DFO Working Group has completed a draft discussion paper to engage stakeholders on Barkley Salmon and their ecosystem
 - Preliminary meetings with external representatives to scope program/work plan
 - January 9 workshop initiates 5 step planning process
- **Integrated Plan Completed by April 2010**
 - Develop salmon CU monitoring / assessment framework
 - Includes refined list of habitat-ecosystem indicators, benchmarks and monitoring requirements to satisfy objectives of WSP Strategies 1-3.
 - Harvest management plan that includes fishery operation guidelines/decision rules
 - Contribute development of Somass River Water Use Plan



WSP Overview – Next Steps

Timelines	Next Steps
Jan 2009	<ul style="list-style-type: none">- Peer review workshops on benchmarks and habitat indicators- First stakeholder meeting on Barkley Sound pilot
Feb 2009	<ul style="list-style-type: none">- Revise papers on benchmarks methodology and habitat indicators
March 2009	<ul style="list-style-type: none">- Ops Committee presentation on regional planning units; followed by internal workshop- Areas begin application of benchmarks & development of assessment frameworks- Begin integration of Strategy 2 into existing OHEB programs- Launch of web mapping application (if funding confirmed)
May 2009	<ul style="list-style-type: none">- Strategy 3 ecosystems presentation to Ops Committee- PSARC review of ecosystems discussion paper- Multi-stakeholder WSP Forum



WSP Implementation Issues

Issue	Next Steps	Challenges
Communications and Stakeholder Engagement	<ul style="list-style-type: none">• Multi-Stakeholder Forum planned for May 2009• Ongoing email/web updates, all staff meetings	<ul style="list-style-type: none">• Consultations require multi-sectoral support in terms of staff and funding• Effective means of engaging and communicating internally and externally
Information Management and Data Sharing	<ul style="list-style-type: none">• Seek support to launch and maintain web-mapping application in next 3 years through shared funding (\$60K per annum)	<ul style="list-style-type: none">• Stakeholder expectations• Engaging partners on data sharing• Ongoing maintenance



WSP Implementation Issues

Issue	Next Steps	Challenges
Governance <ul style="list-style-type: none">- Internal transition planning- External partnership strategy- Governance framework	<ul style="list-style-type: none">• Transitioning WSP from RHQ into Areas• Identifying roles and responsibilities for implementation• Formalizing partnerships for delivery of aspects of WSP, such as monitoring	<ul style="list-style-type: none">• Area and regional capacity for implementation
Performance Measurement	<ul style="list-style-type: none">• Develop performance measurement strategy with objectives and targets for annual review	<ul style="list-style-type: none">• Regional capacity for monitoring/ evaluation; identifying meaningful indicators



2008-09 WSP Budget: At a glance

Activity	Responsible Sector	Budget (K)
Strategy 1: Standardized monitoring	Science	100
Strategy 2: Assessment of habitat	OHEB	329
Strategy 3: Ecosystem values	Science	120
Strategy 4: Integrated strategic planning	FAM	110
Communications	Communications	5
Stakeholder Engagement	Policy (cost-shared)	60
Overall Coordination	Policy (cost-shared)	100
TOTAL		824



Snapshot of Upcoming Funding Pressures

Activity	Lead/Support
Strategy 1: Standardized monitoring - Implement benchmarks and assessment frameworks	Areas/Science
Strategy 2: Assessment of habitat - Implement habitat monitoring with partners - Implement web-mapping tool (\$60K per annum)	Areas/OHEB OHEB/Sectors
Strategy 3: Ecosystem values - Develop & test suite of ecosystem objectives, indicators, benchmarks within Barkley Sound Pilot	Areas/Science
Strategy 4: Integrated strategic planning - Implement other planning pilots	Areas/FAM
TOTAL	



Discussion Points

- Discuss approach on Strategy 4: Integrated Strategic Planning and importance of Barkley Sound pilot for WSP delivery in other areas
- Identify strategic priorities to focus resources on for WSP implementation



ANNEX

Structured Five Step Planning Process

(as outlined in the Wild Salmon Policy)

- Step 1 – Identify planning priorities
- Step 2 – Identify resource options and alternative management strategies
- Step 3 – Establish biological, social and economic indicators
- Step 4 – Assess the likely impacts of management alternatives
- Step 5 - Select the preferred management alternative

**Operations Committee Meeting
July 10, 2008**

Record of Decisions

Attendees:	Davis, T.; Faust, R.; Macgillivray, P.; McGivney, K.; Radford, D.; Rosenberger, B.; Sprout, P.; Webb, A.
Absent:	Farlinger, S.; Kriegl, D.; Nelson, R.; Quinn, F.; Reid, R.; Richards, L.; Trager, D.
Guests:	M. Saunders; A. Mar; Patterson, D. (For Diana Trager); Savard, G. (for Rebecca Reid); Thomson, A. (For Sue Farlinger); Riddell, B. (For Laura Richards).

1. Fraser Basin Initiative (*Presentation*) – M. Saunders

Issue: Discussed DFO's participation under the Fraser Basin Initiative and implementation of the Fraser Salmon and Watersheds Program (FSWP.) A proposed approach to improve internal coordination and strategic direction on FBI was discussed. Issues were raised as to the need to improve the profile of FSWP projects, consideration of internal DFO capacity to support projects, and support for multi-year and/or strategic projects that are aligned with DFO priorities.

Next Steps: Operations Committee to meet in late August/September for one to two days to discuss strategic direction under FBI. The Department will adopt the proposed approach to improve coordination under the initiative.

Responsibility: A. Webb

Deadline: September 23, 2008

2. Wild Salmon Policy Update and Workplan (*Presentation*) – A. Mar

Issue: Presentation on progress to date on implementation of the Wild Salmon Policy and proposed workplan for 2008/09. It was noted that there are issues in improving communications internally and externally, establishing partnerships to enable access to WSP data, and stakeholder expectations for DFO leadership on WSP implementation.

Next Steps: Upcoming presentations to the Operations Committee on progress and next steps under the assessment of conservation units (Strategy 1) and the assessment of habitat (Strategy 2).

Responsibility: A. Webb

Deadline: September 23, 2008

3. Operations Committee

Issue: Discussed implementation of the Operations Committee and use of the Committee as a forum to discuss program issues.

Next Steps: RMC to discuss implementation of the Operations Committee, including priorities for the Committee, administration, and Terms of Reference.

Responsibility: A. Webb

Deadline: October 14, 2008 (TOR approved by RMC)

Approved: original signed by P.E. Sprout

Date: December 15, 2009

MECTS #: 2009-518-00028
EKME #: 1139746

OPERATIONS COMMITTEE

DECISION PAPER

Security Classification: Unclassified

Title: Wild Pacific Salmon Policy (WSP)

Issue: Approve 2008-09 Workplan for WSP Implementation

Background:

- The Department released the Wild Salmon Policy in June of 2005.
- One of the key implementation action steps under Strategy 1 of the policy has been the documentation of a peer-reviewed methodology to identify Conservation Units (CU's).
- As discussed at the Operations Committee meeting on January 31, 2008, an updated list of CUs were released on the DFO website and at the WSP Multi-Interest Stakeholder Forum on March 27-28, 2008 in Richmond, BC.
- The March 2008 Forum provided an opportunity to inform stakeholders on recent implementation progress, gain feedback on priorities for implementation, and discuss stakeholder engagement in moving forward on WSP.
- Participants at the forum expressed concerns for the need to move forward quickly on WSP and for more frequent and iterative communications with the Department on WSP.

Current Status:

- The Region will continue to implement the WSP through an incremental approach.
- Key next steps include the development of benchmarks and assessment framework for the conservation units, integrated habitat and ecosystem monitoring frameworks, and the Barkley Sound integrated strategic planning pilot project.
- As implementation on WSP progresses, efforts are required to continually inform and engage staff, First Nations, partners and stakeholders to define their roles on implementation of WSP.
- In this regard, the Region will develop and implement a WSP Consultation Plan and Communications Strategy to improve internal and external communications and engagement.
- Policy Branch will develop a Transition Plan to outline options for transitioning WSP from a policy to day-to-day operations. This will be presented at a future Operations Committee meeting for discussion.
- Similar to past years, the 2008-09 WSP Workplan is budgeted for one million from internal reallocations within Policy, Science, OHEB and FAM.

Recommendation(s):

- Approve the 2008-09 WSP Workplan.

Author: Amy Mar

Approved by: Allison Webb

Date: July 10, 2008

Date submitted: July 7, 2008

Operations Committee

WSP Update

July 10, 2008



Overview - WSP Logic Model

1

**DFO STRATEGIC
OUTCOMES**

**Sustainable Fisheries
and Aquaculture**

**Healthy and
Productive Aquatic
Ecosystems**

**WSP STRATEGIC
OUTCOME**

**Healthy and diverse wild
Pacific salmon populations
and their habitats**

**WSP ULTIMATE
OUTCOMES**

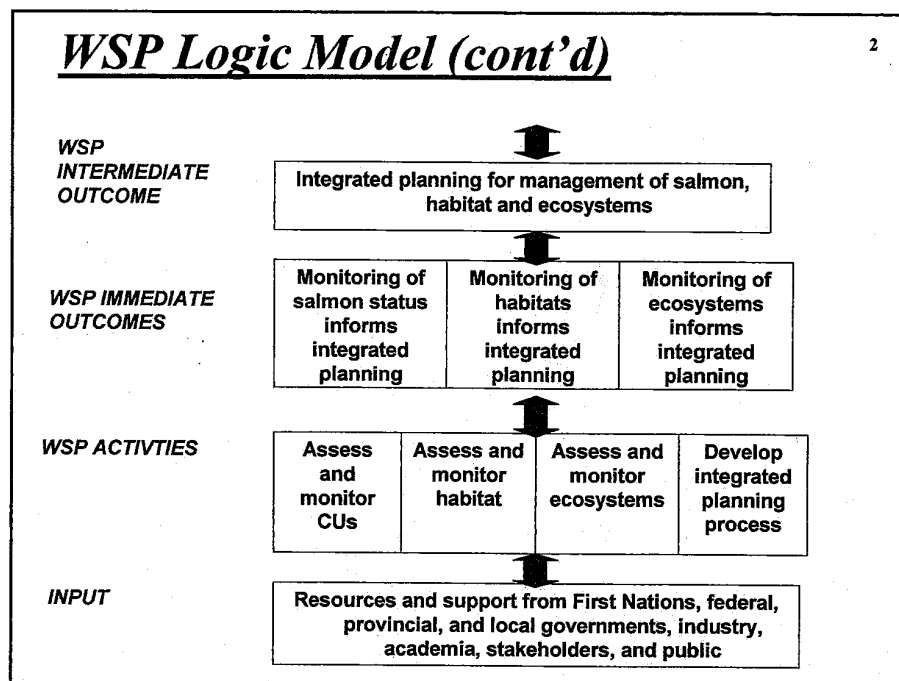
**Genetic
diversity of wild
Pacific salmon
is safeguarded**

**Wild Pacific salmon
habitat and
ecosystem integrity
are maintained**

**Salmon
fisheries are
sustainable**

WSP Logic Model (cont'd)

2



Fisheries and Oceans
Canada

Pêches et Océans
Canada

4

Strategy 1- Standardized Monitoring of Wild Salmon

Action Item	Recent Progress	08-09 Workplan
Identification of CUs	<ul style="list-style-type: none"> Released revised CU list for public review at March 2008 Forum CU methodology paper finalized 	<ul style="list-style-type: none"> Develop CUs for Yukon Annual update and review of CUs
Develop criteria to assess CUs	<ul style="list-style-type: none"> Released draft benchmarks paper at March 2008 Forum 	<ul style="list-style-type: none"> CU benchmark paper scheduled for presentation to PSARC in Oct 2008 Public consultation on benchmarks development Engage Area staff on identification of benchmarks
Monitor CUs	<ul style="list-style-type: none"> PSARC review of Fraser sockeye stock assessment framework in May 2008 	<ul style="list-style-type: none"> Engage Area staff on development and implementation of stock assessment frameworks for CUs

**Strategy 2 – Assessment of Habitat Status**

Action Item	Recent Progress	08-09 Workplan
Document habitat characteristics within CUs	<ul style="list-style-type: none">• Again presented habitat characteristic templates developed and piloted in 2006 at March 2008 Forum	<ul style="list-style-type: none">• Complete habitat status reports in three priority CUs
Select Indicators and develop benchmarks for habitat status	<ul style="list-style-type: none">• Presented habitat indicators, metrics and benchmarks for streams, lakes and estuarine areas at March 2008 Forum	<ul style="list-style-type: none">• Science Peer review of methodology and outcomes of habitat indicators this winter
Implement monitoring	<ul style="list-style-type: none">• Presented pilot monitoring outcomes of sub-set of indicators and potential uses in Lower Thompson CU at March 2008 Forum• Beginning to develop habitat monitoring framework with Strategy 3	<ul style="list-style-type: none">• Develop draft habitat monitoring framework
Est. linkages to develop an integrated. data system	<ul style="list-style-type: none">• At March 2008 forum presented progress on WSP web-mapping tool, the repository for WSP products	<ul style="list-style-type: none">• Launch web-mapping application

**Strategy 3 – Incl. of Ecosystem Values & Monitoring**

Action Item	Recent Progress	08-09 Workplan
Ecosystem indicators and monitoring	<ul style="list-style-type: none">• Presented process to identify ecosystem values, objectives and indicators at March 2008 Forum	<ul style="list-style-type: none">• Draft paper on ecosystem objectives, indicators, benchmarks, and management options for PSARC review in Oct 2008• Sector-specific consultations on ecosystem objectives, indicators and benchmarks• Testing of ecosystem indicators for Barkley Sound pilot project
Integrate climate & ocean info into annual mgt processes	<ul style="list-style-type: none">• Provided input on 2007 State of Ocean report	<ul style="list-style-type: none">• Continue to provide input on State of Ocean reports



Strategy 4 – Integrated Strategic Planning

Action Step	Recent Progress	08-09 Workplan
Implement an interim process for management of priority CUs	<ul style="list-style-type: none">• Finalized WSP/FRSSI collaboration of 4 year plan for Fraser sockeye-• Began discussions on strategic planning for Barkley/Somass – all species• Presented progress at March 2008 Forum	<ul style="list-style-type: none">• Continue to develop Barkley Sound pilot to test 5 step planning process and structured decision-making over next two years
Design and implement a fully integrated strategic planning process for salmon conservation	<ul style="list-style-type: none">• Internal working group developing draft governance framework• Linkage to FSWP Governance work established	<ul style="list-style-type: none">• Identify planning units for future pilots• Internal working group developing draft governance framework• Continue to link work to FSWP Governance projects (e.g. overarching Fraser logic model)



Highlights from March 2008 Forum

Objectives of the forum:

- Inform stakeholders on recent implementation progress
- Improve stakeholder understanding of WSP
- Provide forum for stakeholder input on priorities for implementation
- Engage partners to move forward on implementation

What was heard?

- Lack of understanding on stakeholder roles for engagement
- Need to move forward on WSP now
- More frequent communications and engagement needed
- Separate engagement approach for First Nations
- Need to develop an engagement process that includes all players



Summary of Next Steps

Next Steps	Challenges and Opportunities
Develop Communications and Consultations Plans	- Improve communications/ engagement internally & externally
Develop benchmarks and monitoring frameworks	- Uncertainty surrounding resources and time required to apply benchmarks, habitat and ecosystem indicators across all CUs
Complete development and begin testing of habitat monitoring framework	-Data integration and storage requirements for CU, habitat and ecosystem monitoring
Complete ecosystem discussion paper	- CU, habitat and ecosystem monitoring will require partnering across all orders of government and NGO's



Summary of Next Steps

Next Steps	Challenges and Opportunities
Pilot strategic planning framework in Barkley Sound – test benchmarks, habitat and ecosystem indicators, planning and decision making processes	<ul style="list-style-type: none">- Determining priority CUs for future pilots- Effective planning will require an appropriate governance structure- WSP planning requires effective integration across other change initiatives such as PICFI, EPMP, FSWP- Numerous NGO's assisting implementation of strategic planning (Moore Fdn, WWF, Suzuki Fdn)
Transition planning	- Effective engagement of staff and external partners and stakeholders to operationalize WSP

2008-09 Wild Salmon Policy (WSP) WorkPlan
DFO Pacific Region

Table of Contents

WSP Implementation Timelines	Page 2
Overview and Budget by Sector	Page 4
Detailed Strategy Workplans:	
Strategy 1: Standardized Monitoring of Wild Salmon Status	Page 5
Strategy 2: Assessment of Habitat Status	Page 6
Strategy 3: Inclusion of Ecosystem Values and Monitoring	Page 9
Strategy 4: Integrated Strategic Planning	Page 10

Wild Salmon Policy - Implementation Timelines																
Strategies and Action Steps	2007-08				2008-09				2009-10				2010-11			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Strategy 1: Standardized monitoring of wild salmon status																
1.1 Identify Conservation Units																
Develop CU methodology / PSARC review																
Identify CUs for BC																
Identify CUs for Yukon																
1.2 Develop criteria to assess CUs and identify benchmarks																
Develop methodology for benchmarks / PSARC review																
Identify benchmarks																
Internal and external consultations on benchmarks																
1.3 Monitor and assess CUs																
Develop stock assessment frameworks for CUs																
Internal and external consultations on framework development																
Operationalize stock assessment frameworks																
Strategy 2: Assessment of habitat status																
2.1 Document habitat characteristics																
Produce Habitat Status Reports for priority CUs																
2.2 Select indicators and develop benchmarks for habitat																
Develop stream, lake, and estuarine habitat indicators																
Finalize report on lake, stream and estuary indicators for peer review																
Priority projects to enable habitat indicators																
2.3 Monitor and assess habitat status																
Develop monitoring framework that is integrated with Strategy 3																
Internal and external consultations on framework development																
Implement habitat monitoring - populate Habitat Status Reports																
2.4 Linkages to develop integrated data system for watershed mgt																
Complete GIS web-mapping application and launch																
NB: Indicators are milestone markers																

Strategies and Action Steps	2007-08				2008-09				2009-10				2010-11				Ongoing
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Strategy 3: Inclusion of ecosystem values and monitoring																	
3.1 Identify indicators to monitor status of freshwater ecosystems																	
Draft discussion paper on ecosystem objectives, indicators, benchmarks																	
Internal and external consultations on ecosystem paper																	
3.2 Integrate climate & ocean info into annual salmon mgt																	
Input on marine environment to State of Ocean reports																	
Strategy 4: Integrated strategic planning																	
4.1 Implement an interim process for management of priority CUs																	
Implement Barkley Sound pilot to test benchmarks, habitat and ecosystem indicators, and 5-step planning process																	
4.2 Design & implement integrated strategic planning process																	
Identify planning units and priorities																	
Develop long-term planning																	
Communications and Engagement																	
Develop and implement Communications Plan for internal and external																	
Develop and implement Consultations Plan for stakeholder engagement																	
Strategy 5: Annual program delivery																	
5.1 Assess the status of CUs																	
5.2 Plan annual resource management activities																	
Strategy 6: Performance review																	
6.1 Post season reviews of workplans & regular reviews of WSP																	
NB: Indicators are milestone markers																	

Overview of 2008-09 Workplan

Activities	Responsible Sectors	Budget FY 08/09 K	Notes
Coordination of WSP Implementation including: <ul style="list-style-type: none"> Chairing WSP implementation team Development of governance model for strategic planning Management of partnerships Management of FSWP linkages Development of transition plan for WSP implementation 	Policy	100	FAM, OHEB, Science, Policy to cost-share Mark Saunders' position at 25% each or \$25,189
Stakeholder engagement <ul style="list-style-type: none"> WSP annual forum – FN and Multi-interest Bilateral meetings Web-based consultations 	Policy	60	Coordinator's travel covered by Policy Branch
Internal and External Communications	Communications	5	Estimate of \$60K for WSP forum to be cost-shared by sectors at \$15K each
Strategy 1: Standardized Monitoring of Wild Salmon Status	Science	100	Develop and implement Communications Strategy. Communication products under consideration: backrounders, overview decks, web updates
Strategy 2: Assessment of Habitat Status	OHEB	329	
	Science	40	Salary dollars for Ray Lauzier's work on Science review of habitat indicators
Strategy 3: Inclusion of Ecosystem Values and Monitoring	Science	120	
Strategy 4: Integrated Strategic Planning	FAM	200	

Budget Breakdown by Sector	\$K
Science	300
OHEB	329
FAM	240
Policy	50
Communications	5
TOTAL	924

WSP Strategy 1 - Standardized Monitoring of Wild Salmon Status
Sector Lead: Science Branch

Activity	Expected Output	Progress made in 07/08	Planned Work for 08/09	Budget FY 08/09 K	Notes
1.1 Identify Conservation Units	List of CUs for BC List of CUs for Yukon	Completed and consulted on final list of CUs for BC; Completed paper on CUs and conducted peer review	Public review of CUs for BC on website Develop list of CUs for Yukon Consultations in Yukon on CUs in Winter 08	0 20 5	Website development cost shared by all Sectors (see Administration section) Blair Holtby – lead.
1.2 Develop criteria to assess CUs and identify benchmarks to represent biological status	Methodology to assess status and benchmarks	Draft paper on methodology to determine status and benchmarks	PSARC review on approach to developing benchmarks in Fall 08 Consultations with staff and stakeholders on identification of benchmarks	70	Carrie Holt – lead.
1.3 Monitor and assess status of CUs	Stock assessment framework for CUs	Developed Fraser sockeye stock assessment framework	PSARC review of Fraser sockeye stock assessment framework in May 2008	5	
Total				100	

WSP Strategy 2 - The Assessment of Habitat Status
Sector Lead: OHEB

Activity	Expected Output	Progress made in 07/08	Planned Work for 08/09	Budget FY 08/09 K	Notes
Administration	Coordination and administration support for Habitat Working Group		WSP Habitat Working Group Lead	106	Ops Committee requested coordinator costs be accounted for in overall program costing; BI-3 salary (82K; OT 3.0K, total with 1.2 conversion 103.2, training 4.0K)
			Support of WSP Coordinator, Communications, Consultations	30	WSP Coordinator role cost-shared by sectors
			Travel for Habitat Working Group (incl. Lead)	27.5	
			Administrative Support	5	Logistics for Habitat Working Group meetings
2.1 Document habitat characteristics	Habitat characteristics documented	Developed habitat characteristic templates and tested on several priority CUs	Change Management Consultant Update FISS in a priority CU - Barkley Sound or Skeena?	7.5	Continued development of Engagement Strategy FISS input info from reports on fish life history timing in freshwater, valued or sensitive freshwater habitat (rearing, spawning and migratory), obstructions, enhancement or management activities and potential or constraints to fish production. Work with Fish Management re potential concurrent project for NuSEDS.
			Complete habitat status reports in 3 priority CUs utilizing new information from additional staff, stakeholders, indicators (e.g. watershed statistics) and benchmarks (March 31/09)	15	The 3 Priority CUs will be selected from those that were both piloted previously and need to be completed and have also been ID'd as Priority following approved process. Efficient process for gaining stakeholder information needs to be developed (e.g. use of Project Registry, CA or Partnership Coordinator OT to consult and gain information, can this be undertaken at same time with stock assessment information gathering). This could be a joint project, with cost sharing, with HM as part of Project "Highly Productive and Limiting Habitat"
2.2 Select indicators and benchmarks	Indicator selection process	Completed identification of habitat indicators for streams, lakes and estuaries and their	Contract to develop and document most efficient systems for assimilating data for Stream Lake and Estuarine Indicators to	40	Much of data for indicators in repositories of other agencies and requires processing.

	Selected indicators and benchmarks	metrics and benchmarks.	allow assimilation of that data across the Region.	15	In deciding upon the final suite of Stream, Lake and Estuarine indicators in 2007-08, a number of projects were identified as necessary to either enable an indicator to be used or provide further depth to suggested indicators. Work with partners to lead other indicator projects through other funding sources. Science Branch support
2.3 Implement Monitoring	Monitoring framework		<p>OHEB and Science co-leading development of paper on methodology to determine habitat indicators. Peer review workshop on paper in Winter 2008.</p> <p>Contract(s) to undertake four high priority projects associated with Stream, Lake and Estuary Indicators. e.g. Seed contract to develop terms of reference and then validate barriers to wild salmon migration in a priority CUs.</p> <p>Review feedback from WSP Forum to determine any partners that may have monitoring data to support WSP, or want to undertake monitoring to support WSP.</p> <p>Work with Implementation Team to develop External Funding Strategy</p>	<p>50</p> <p>0</p> <p>0</p>	<p>-The output of some of these projects will be considered monitoring data that will need to be loaded into web-mapping application -Work with partners to lead other indicator projects through other funding sources (also see below re. External Funding Strategy). -Current databases neither species specific nor updated when restoration works undertaken. Update to ID fundamental quantity information i.e. accessible habitat and input to WSP web-mapping application. This allows info to be generated on trends of quantity and assist in prioritizing restoration works. Work with partners and internal staff to then apply TOR on a broader scale.</p> <p>External Funding Strategy to deliver large-scale Regional support for Strategies 1, 2, and 3 for monitoring from Partners, e.g. Foundations (WSP Forum feedback)</p>
2.4 Develop integrated habitat data systems	Integrated habitat data systems	Populated web-mapping application with initial CUs and WSP information	<p>Development of Monitoring Framework</p> <p>Contract to populate web-mapping application with interoperable links, developing system for gaining monitoring information and reporting out, utilizing monitoring data gained from projects</p> <p>Load Yukon first version CU maps into</p>	<p>12</p> <p>10</p> <p>0</p>	<p>Include long-term Information Management support. There is significant Information Management requirements this fiscal, and Implementation Team may need to contract more than one individual for the work.</p> <p>Other WSP Sectors to cover costs if Yukon CUs complete</p>

WSP Strategy 3 - Inclusion of Ecosystem Values and Monitoring
Sector Lead: Science Branch

Activity	Expected Output	Progress made in 07/08	Planned Work for 08/09	Budget FY 08/09 K	Notes
3.1 Identify indicators to monitor status of FW ecosystems	Ecosystem indicators Ecosystem monitoring framework	Draft of ecosystem objectives and indicators	Develop discussion paper on ecosystem objectives, indicators and management options. PSARC review workshop in October 08. Identification of benchmarks for ecosystem indicators	7 5 25	Development of paper Travel costs Continue development of integrated habitat/ecosystem indicators with 4 orders of government, NGOs and academics. Support for meeting travel and contracts to review watershed governance and approaches to monitoring state of the environment.
	Pilots to test performance indicators		Testing of ecosystem indicators for Barkley S. pilot project GIS support	30 20	Focus on sockeye Share position with Cathy Fraser for GIS work on Barkely Sound. Link to habitat GIS work.
3.2 Integrate climate & ocean information into annual salmon management processes	Climate & ocean information integrated into annual salmon management processes	Input to State of Ocean reports	Input on sockeye and marine environment for State of Ocean reports. Provide data on coho and chinook and marine environment for State of Ocean reports.	18 15	Karen Hunter's work until end of Sept 08.
Total				120	

WSP Strategy 4 - Integrated Strategic Planning
Sector Lead: FAM

Activity	Expected Output	Progress made in 07/08	Planned Work for 08/09	Budget FY 08/09 K	Notes
4.1. Implement an interim process for management of priority CUs	Template for CU Strategic plans Pilot projects to test implementation of CU planning templates	Completed template for CU strategic plans Continued pilot for planning for Fraser sockeye CUs Initiated testing of template on Barkley Sound sockeye	Continue work on strategic plan for Fraser sockeye CUs Develop Barkley S. pilot project	40 125	Continue with PFRSSI initiative Barkley Sound – complete draft plan in 2009-10
4.2 Design and implement a fully integrated strategic planning process for salmon conservation	Integrated strategic planning process Mapping Pacific Region CU's	Populated web-mapping application with WSP information and updated CU maps based on consultation feedback.	Identify planning units and priorities; lead/coordination of planning units Amend Provincial CU maps based upon consultation feedback, load information into web-mapping application, and provide WSP spatial data management functions.	15 20	Contract for Sandy Fraser
Total				200	

WSP Strategy 2, *The Assessment of Habitat Status*, Workplan 2008-09 (April 13, 2008 version)
Italicized indicates those items needing resolution with WSP Implementation Team

Action Step(s)	Activity/Completion Date	Budget 08/09 K	Notes
WSP HWG Lead	Salary, OT and conversion and training	106	-Ops Committee requested coordinator costs be accounted for in overall program costing -Bi-3 salary (\$2K, OT 3.0K, total with 1.2 conversion 103.2, training 4.0K)
WSP Coordinator support	Support of co-ordinator and Communications, Consultations	30?	<i>-Coordinator role expected to be ½ PY, cost shared by sectors involved in WSP (budget includes any conversion, includes communications (means tbd as part of Communications Strategy), and consultations tbd.</i>
Travel HWG Lead	Meetings, consultations, inter-agency committee	20	
Travel HWG	Meetings, consultations, inter-agency committee	7.5	-All Working Group travel consolidated here, e.g. meetings, workshops, consultations, etc. Majority of HWG meetings attended by limited numbers of staff and those either predominantly from Lower Mainland or attend via tele-conference.
Admin.	Administrative support	5	-Conference phone, cell phone, meeting room bookings, etc.
	Change Management Consultant	7.5	-Continued development of Engagement Strategy
2.1 Document habitat characteristics	Updating FISS in a priority CU -Barkley Sound or Skeena?	5	-FISS input information from reports on fish life history timing in freshwater, valued or sensitive freshwater habitat (rearing, spawning and migratory), obstructions, enhancement or management activities and potential or constraints to fish production. Work with Fish Management re potential concurrent project for NuSEDS.
	Populate habitat status reports in 3 Priority CUs remain to be finished	15	-The 3 Priority CUs will be selected from those that were both piloted previously and need to be completed and have also been ID'd as Priority following approved process.

	utilizing new information from additional staff, stakeholders, indicators (e.g. watershed statistics) and benchmarks (Mar.31/09)		<p>-Efficient process for gaining stakeholder information needs to be developed (e.g. use of Project Registry, CA or Partnership Coordinator OT to consult and gain information, <i>can this be undertaken at same time with stock assessment information gathering</i>)</p> <p>-This could be a joint project, with cost sharing, with HM as part of Project "Highly Productive and Limiting Habitat"</p>
2.2 Select indicators and benchmarks	<p>Contract to develop and document most efficient systems for assimilating data for Stream Lake and Estuarine Indicators to allow assimilation of that data across the Region.</p> <p>Contract to develop project outlines for 5 highest priority projects associated with Stream, Lake and Estuary Indicators.</p>	40 15	<p>-Much of data for indicators in repositories of other agencies and requires processing.</p> <p>-In deciding upon the final suite of Stream, Lake and Estuarine indicators in 2007-08, a number of projects were identified as necessary to either enable an indicator to be used or provide further depth to suggested indicators. Work with partners to lead other indicator projects through other funding sources.</p>
2.3 Implement Monitoring	<p>Contract(s) to undertake four high priority projects associated with Stream, Lake and Estuary Indicators .</p> <p>e.g. Seed contract to develop terms of reference and then validate barriers to wild salmon migration in a priority CUs.</p> <p>Review feedback from WSP Forum to</p>	50 0	<p>-The output of some of these projects will be considered monitoring data that will need to be loaded into web-mapping application</p> <p>-Work with partners to lead other indicator projects through other funding sources (also see below re. External Funding Strategy).</p> <p>-Current databases neither species specific nor updated when restoration works undertaken. Update to ID fundamental quantity information i.e. accessible habitat and input to WSP web-mapping application. This allows info. to be generated on trends of quantity and assist in prioritizing restoration works. Work with partners and internal staff to then apply TOR on a broader scale.</p>

	determine any partners that may have monitoring data to support WSP, or want to undertake monitoring to support WSP	0	WSP Coordinator would build large-scale External Funding Strategy to deliver large-scale Regional support for Strategies 1, 2, and 3 for monitoring from Partners e.g. Foundations (also informed by WSP Forum feedback)
	Work with Implementation Team to develop External Funding Strategy	12	This will need to include long-term Information Management support.
2.4 Develop integrated habitat data systems	Development of Monitoring Framework Contract to populate web-mapping application with interoperable links, developing system for gaining monitoring information and reporting out on monitoring information utilizing monitoring data gained from projects	10	There is significant Information Management requirements this fiscal, and Implementation Team may need to contract more than one individual for the work.
	Amend Provincial CU maps based upon consultation feedback, load information into web-mapping application, and provide WSP spatial data management functions.	0	-Other WSP Sectors agreed to cover costs in 07/08 of @10K however CUs not completed so costs deferred to 08/09. If CUs have to be updated manually, this will take another 1mo at 5K. OHEB solely funded in 06-07 so directing monies to other Web-Mapping works.
	Load Yukon first version CU maps into web-mapping application	0	-Other WSP Sector to cover costs if Yukon CUs complete
	Launch web-mapping application	1	-Other WSP Sector agreed to cover costs in 07/08 of @5K however not completed so costs deferred to 08/09.
	Refine Search Queries in web-mapping application	0	-WSP Sectors to cover costs if want to do this work.

	<i>Produce Overview and Stock Status Reports that link to Habitat Status Reports within WSP web-mapping application for 3 Priority CUs</i>	0	-In-kind support of Harmonized Interagency Monitoring Committee (e.g. consultations with individuals experienced in setting-up such systems, providing input into pilot concept.)
4.0 Integrated Strategic Planning	Interagency Monitoring Committee Contribute to integrated planning process e.g. Barkley Sound	5	-e.g. OT for support of Area staff to collate information and attend meetings.
Total		339	-136 in WSP and Strategy 2 coordinator's costs, 203 remaining

Other works

- Further review Compass Watershed Decision Support tool for potential in delivery of WSP products
- Utilization of indicators and related projects to inform funding partners of department's priorities for support
- Continue to integrate Strategy 2 and 3
- Confirm if Science is to determine near-shore and marine indicators
- Science Review of Indicators
- FSWP Scientific Licence automated data submission pilot
- Accounting of habitat gains and losses as information becomes available and integrating into framework

WSP Forward Planning

Horizontal Issues

Activities	Progress made to date	Short-term priorities 2008/09 to 2009/10	Long-term implementation	Responsibility	Funds required	Challenges
External Engagement						
Stakeholder engagement - WSP annual forum (FN and Multi-interest) - Bilateral meetings - Web-based consultations	WSP Forum in March 2008 Ongoing bilateral meetings and web consultations	WSP Forum in May 2009 Develop a strategic engagement approach for meaningful consultation; identify issues requiring consultation	Ongoing consultations	Policy	\$60K per annum (multi-sectoral support)	
External Communications	Ongoing email/web updates Fact sheet released in Oct 2008 WSP display produced in Oct 2008	Ongoing email/web updates Develop proposal for CD/video product	Ongoing communications	Communications	\$5K per annum	
Partnership Strategy - including BC/YK	Participation in Fraser watershed logic model with partners	Continue to participate in development of Fraser watershed logic model with partners Identify elements where partners' engagement is required and develop strategy Develop and formalize partnerships on identified elements	Maintain partnership relationships	Policy		Identifying roles and responsibilities between DFO and partners Providing support, tools and direction to partners
Governance - External governance structures for planning		Developing governance within Barkley pilot; applying lessons learned from pilot to other areas	Determine governance structures for strategic plans; identify roles and responsibilities internally and externally	FAM		Developing a governance framework given differences within local communities

Internal Organization						
Internal Communications	All staff meeting in March 2008	Develop internal communications strategy	Ongoing communications	Communications		Improving communications with Area staff
Information Management and Data Sharing	Developed web mapping application	Launch web mapping application (contingent on funding)	Ongoing maintenance of web mapping application	Multi-sectoral	\$60K per annum	Support for ongoing maintenance
Transition Planning		Develop plan to transition WSP lead from Policy to implementation in Areas; clarify internal roles and responsibilities		Policy		Identifying overall lead/champion for WSP Area capacity for WSP implementation
Performance Measurement			Develop performance measurement strategy with objectives, indicators and targets for annual program review Identify roles and responsibilities for performance measurement	Policy		Who will undertake annual WSP reviews? Integrate with Regional planning and performance measurement

WSP Strategy 1 - Standardized Monitoring of Wild Salmon Status

Action Steps	Progress made to date	Short-term priorities 2008/09 to 2009/10	Long-term implementation	Responsibility	Challenges
1.1 Identify Conservation Units	Completed methodology paper on CUs and conducted PSARC review Completed and consulted on final list of CUs for BC	Develop and consult on list of CUs for Yukon	Ongoing annual revision of CUs lists	Science	Establishing criteria to identify priority CUs
1.2 Develop criteria to assess CUs and identify benchmarks to represent biological status	Draft paper on methodology to assess status and identify benchmarks for CUs released Oct 08	PSARC review on methodology to assess status and benchmarks in Jan 09 Science discussions with Area staff on available tools and methodology to identify benchmarks in Spring 09 Area staff to identify and consult stakeholders on benchmarks in 2009/10	Science to provide support to Area staff on benchmarks	Science / Areas Stock Assessment	Level of support required from Science to Area staff on benchmarks development Capacity for Area staff to identify benchmarks High stakeholder expectations on identification of benchmarks and implications
1.3 Monitor and assess status of CUs			Science to provide guidance to Areas on development of assessment frameworks for CUs Areas to develop and implement frameworks for priority CUs	Science / Areas Stock Assessment	Strategic direction on implementation of assessment frameworks (priority CUs?) Capacity for Area staff to develop and implement assessment frameworks Implications for MSC requirements

WSP Strategy 2 - The Assessment of Habitat Status

Action Steps	Progress made to date	Short-term priorities 2008/09 to 2009/10	Long-term implementation	Responsibility	Challenges
2.1 Document habitat characteristics	Developed habitat characteristic templates and tested on several priority CUs	Complete habitat status reports in 3 priority CUs	Areas to focus on habitat status reports for highly productive and limiting habitats to inform planning	OHEB	WSP integration into existing WSP programs Area capacity for implementation
2.2 Select indicators and benchmarks	Completed identification of habitat indicators for streams, lakes and estuaries and their metrics and benchmarks.	OHEB and Science co-leading development of paper on methodology to determine habitat indicators. Peer review workshop on paper in Jan 2009.		OHEB	Issues of data availability and quality
2.3 Implement Monitoring		Development of Monitoring Framework Develop component on partnership support for habitat monitoring under broad WSP Partnership Strategy	Implement Monitoring Framework	OHEB	Identifying roles and responsibilities between DFO and partners on monitoring Identifying standards for monitoring Identifying partners to implement monitoring
2.4 Develop integrated habitat data systems		Launch and implement web-mapping application	Ongoing maintenance of web-mapping application	Multi-sectoral	Multi-sectoral support for ongoing maintenance of application Ongoing data management at RHQ Communications with partners on use of the application

WSP Strategy 3 - Inclusion of Ecosystem Values and Monitoring

Action Steps	Progress made to date	Short-term priorities 2008/09 to 2009/10	Long-term implementation	Responsibility	Challenges
3.1 Identify indicators to monitor status of FW ecosystems	Draft of ecosystem objectives and indicators	Develop discussion paper on ecosystem objectives, indicators and management options by May 2009 Testing of ecosystem indicators for Barkley S. pilot project	PSARC review of discussion paper in May 2009 Identification of benchmarks and metrics for ecosystem indicators Identify data sources for ecosystem indicators	Science	Potential discussion at Ops Cttee on Strategy 3 to improve understanding of ecosystems within WSP (April/May 2009) Identify lessons learned from Barkley pilot for broader WSP implementation
3.2 Integrate climate & ocean information into annual salmon management processes	Input to State of Ocean reports		Area staff to implement annual monitoring of ecosystem indicators Integrate ecosystem information into annual WSP planning processes	Areas	Scope of implementation given limited resources Area capacity to implement ecosystem monitoring Develop partnership strategy for ecosystem monitoring; sourcing and integrating data from partners such as BC Implications of ecosystem assessments for management of human activities (i.e. fisheries, enhancement)

WSP Strategy 4 - Integrated Strategic Planning

Action Steps	Progress made to date	Short-term priorities 2008/09 to 2009/10	Long-term implementation	Responsibility	Challenges
4.1. Implement an interim process for management of priority CUs	Completed discussion paper on strategic planning guidelines Continued pilot for planning for Fraser sockeye CUs (Fraser Sockeye Spawning Initiative) Initiated testing of template on Barkley Sound sockeye	Continue work on strategic plan for Fraser sockeye CUs Develop Barkley S. pilot project until end of 2009/10 Participate in Skeena Watershed Initiative to implement WSP		FAM	Reviewing lessons learned from pilots for broader application Identifying resource requirements for wide-spread implementation of strategic plans
4.2 Design and implement a fully integrated strategic planning process for salmon conservation		Identify planning units (contract) Internal workshop in March 2009 to discuss planning units	Implement strategic planning processes for other planning units	FAM	Seek direction on implementation of other pilots Area capacity for broader implementation of strategic planning