



PACIFIC SALMON COMMISSION

ESTABLISHED BY TREATY BETWEEN CANADA
AND THE UNITED STATES OF AMERICA
MARCH 18, 1985

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September 22, 2008

MEMORANDUM

TO: Kyle Adicks, Chair, Fraser River Panel
Paul Ryall, Vice-Chair, Fraser River Panel

FROM: Don Kowal, Executive Secretary

RE: Proposed 2009 Fisheries Management Division sampling program recommendations

Proposed FY 2009/2010 budget for Commission programs conducted in support of the Fraser River Panel. The budgeted amounts were taken from a forecast provided the Finance and Administration Committee last fall. Refinements to these amounts can be expected prior to re-submission to F&A in December 2008.

Panel Area data collection programs for 2009 will be as follows:

1. Test fishing
 - a) Area 20 gillnet
 - b) Area 20 purse seine
 - c) US area 4B gillnet (subject to results of review)
 - d) Salmon Banks reefnet observations
 - e) Cottonwood gillnet - variable mesh net
 - f) Whonnock gillnet - variable mesh net
 - g) Strait of Georgia troll (Late-run sockeye)
2. Sockeye salmon scale and biological data sampling
 - a) Steveston and Vancouver: Areas 29 & 18
 - b) Bellingham and Blaine: Areas 7 and 7A
 - c) Tofino and Ucluelet: Area G troll (if necessary)
 - d) Test fishing catches
 - e) DNA tissue collections
 - f) First Nations fisheries - In-river and Strait of Georgia (DFO)
 - g) Fraser River spawning grounds (DFO)
3. Pink salmon tissue and biological sampling
 - a) Juan de Fuca Strait: Area 20
 - b) Bellingham and Blaine: Areas 7 and 7A
 - c) Tofino and Ucluelet: Area G troll (if necessary)
4. DNA Analysis
 - a) DNA analysis of sockeye tissue samples
 - b) DNA analysis of pink tissue samples
5. Catch monitoring
 - a) Vancouver - Canadian Panel Area net and inside troll fisheries
- U.S. Panel Area net fisheries
6. Regular echo sounding program at Mission (sockeye salmon)
7. Hells Gate observations (sockeye salmon and pink salmon) .../2

The **Panel Area programs** have been budgeted as follows:

1.	Test fishing ¹		
	Revenue estimated at	\$400,000	
	Expenses estimated at	<u>\$740,000</u>	
	Difference	<u>\$340,000</u>	

Notes: 1 Assumes United States 4B test fishery would continue at a cost of \$15,000. Revenues estimated only from sales of fish killed in the act of gathering samples or data (e.g. Gillnet CPUE) during conduct of test fisheries consistent with practices permissible under Larocque (approximate 44,000 sockeye forecast for 2009)

2.	Sockeye salmon scale and biological data sampling		
a)	Steveston & Vancouver: Areas 29 & 18	\$7,500	
b)	Bellingham & Blaine: Areas 7 and 7A	5,300	
c)	Tofino & Ucluelet: Area G troll	0	
d)	Test fishing catches	0	
e)	DNA tissue collection	3,500	
f)	First Nations fisheries - In-river and Strait of Georgia	Nil	
g)	Fraser River spawning grounds	<u>Nil</u>	
	Subtotal	\$16,300	

3.	Pink salmon tissue and biological sampling		
a)	Juan de Fuca Strait: Area 20	\$3,600	
b)	Bellingham and Blaine: Areas 7 and 7A	0	
c)	Tofino and Ucluelet: Area G troll (if necessary)	<u>0</u>	
	Sub-total	\$3,600	

4.	DNA Analysis		
a)	DNA analysis of sockeye tissue samples	\$293,000	
b)	DNA analysis of pink tissue samples	\$ 50,000 ²	

Notes: 2 Includes \$44,000 for in-season pink samples and \$6,000 for pink salmon baseline samples. An additional \$20,000 is requested for Helicopter travel to more remote pink baseline areas.

5.	Catch monitoring		
a)	Vancouver		
	- Canadian Panel Area net and troll fisheries	Nil	
	- U.S. Panel Area net fisheries	<u>Nil</u>	
	Subtotal	Nil	

6.	Regular echo sounding program at Mission (sockeye salmon)	\$250,000 ³	
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Notes: 3 A \$40,000 concept proposal has been submitted to SEF for continued Mid-channel work. If this proposal is unsuccessful monies would be requested from the regular budget.

7.	Hells Gate observations	<u>\$28,000</u>	
	Total (#2-7)	\$641,000	

.../3

Other proposed programs for 2009 would include sampling and monitoring programs that take place outside the Panel Area and which are the responsibilities of the Parties where the fisheries occur.

1. Test fishing
 - a) Area 12 gillnet (DFO)
 - b) Areas 12 and 13 purse seine (DFO)
2. Sockeye salmon scale and biological data sampling
 - a) Alaska District 104 (ADF&G)
 - b) Steveston and Vancouver - Areas 8 to 16 (PSC)
 - c) Port Hardy - Area G & H troll (PSC)
3. Pink salmon tissue and biological sampling
 - a) Prince Rupert – Areas 1, 2W, 101 and 142 (PSC)
 - b) Port Hardy and Port McNeil – Areas 12, 13 and 16 net (DFO)
 - c) Port Hardy – Area G troll (PSC)

Our preliminary estimates of cost for the non-Panel Area programs are as follows:

1.	Test fishing		
	a)	Area 12 gillnet	TBD ⁴
	b)	Areas 12 and 13 purse seine	TBD
		Subtotal	TBD

Notes: 4 Test fishing budget for non-Panel waters will be determined in consultation with DFO.

2.	Sockeye salmon scale and biological data sampling		
	a)	Alaska District 104	Nil
	b)	Steveston and Vancouver - Areas 8 to 16	\$4,000
	c)	Port Hardy – Area G & H Troll	<u>\$1,700</u>
		Subtotal	\$5,700
3.	Pink salmon tissue sampling		
	a)	Prince Rupert	0
	b)	Port Hardy and Port McNeil – Areas 12, 13 and 16 net	\$2,500
	c)	Port Hardy – Area G troll	<u>500</u>
		Sub-total	\$3,000
		Total (#2-3)	\$8,700

In addition to these programs PSC staff may provide in-kind support to research groups including Universities and DFO. This in-kind support is mostly in the form of access to our test fisheries for samples. In recent years where whole fish have been require for samples, efforts have been made at cost recovery for fish taken. Thus, we expect the provision of this support will have minimal impact on budgets.

Don Kowal
Executive Secretary