Questions and/or Requests for Advice from FORUM Participants
Chinook/Coho/Steelhead
Draft for information purposes – Version Two March 23, 2018

The FORUM provides an annual process for information sharing and discussion on Fraser salmon fisheries issues between DFO and First Nations (Tier 2) and First Nations with other First Nations (Tier 1). First Nation attendees have the opportunity to provide their advice and recommendations on management plans. Presentations and discussion at the February and March FORUM's are intended to assist with providing Fisheries and Oceans Canada with your thoughts on the following questions.

We hope this approach is helpful and we welcome your feedback. *Forum Planning Committee*

Fraser Chinook

To address conservation concerns for the 2018 season, DFO is proposing a precautionary reduction in exploitation rates (in the range of 25% to 35%) for specific chinook stocks of concern to align exploitation rates with current stock productivity, support conservation and promote rebuilding.

Separate documents to support discussions include:

1. Science response summarizing data on conservation concerns
2. Technical information to support fishery planning

Input is sought from First Nations and stakeholders on how to design specific fishery management measures to achieve the required reductions.

- Is there additional technical information required to support discussions?
- Do you have suggestions on potential chinook management actions that should be considered?

Given poor prospects for Spring and Summer 5_2 chinook and the proposed reductions for the 2018 season, the Department is proposing that a zone 1 management approach remain in place for the season.

Do you support his approach?

Interior Fraser Coho.

The objective for Interior Fraser River coho (including Thompson River coho) is to manage Canadian fisheries in a highly precautionary manner with fisheries management measures similar to those in place prior to 2014. This approach is expected to achieve an overall exploitation rate in Canadian waters within the 3 – 5 % range.

1. Is their support for the objective as stated above? (same as 2017 approach)
2. Are there any modifications you would suggest to current management actions?

Steelhead

Questions to Consider:

1. Does the proposed plan provide the appropriate level of protection for Interior Fraser River Steelhead?
2. Should selective fishing for salmon be permitted during the steelhead window closure? If so, what fisheries / gears should be considered?
3. Are there additional measures that should be considered?

Southern Resident Killer Whale Update

The Department is in the process of summarizing the highlights of the feedback (i.e. what we heard) received on the discussion document.

Feedback will be reviewed with First Nations groups/organizations and official advisory bodies as part of the process to develop salmon Integrated Fisheries Management Plans.

Department also forming a working group with First Nations and advisory body representatives for further discussion on feedback received.

- Terms of reference not defined;
- opportunity for First Nations and stakeholders to discuss feedback received and share perspectives on areas where the Department should consider revising the proposed approach and consider future planning.

Can First Nations identify participants for the committee? (Suggestion for 6 FN participants: 2 each from WCVI, South Coast/ECVI, and Fraser).

Notes:

- The FRAFS EC has recommended Ernie Victor and Howie Wright as the Fraser participants.
- The NTA is expected to identify two WCVI participants but I do not have an update on who they might suggest.
- I do not have an update on ECVI participants.

Run Timing of Management Units at the Albion Test Fishery in the Fraser River

	Relative Abundance (CPUE)		
	Spring	Spring	Summer
statWk	4sub2	5sub2	5sub2
4/1	0.08	0.16	0.00
4/2	0.07	0.11	0.01
4/3	0.06	0.12	0.00
4/4	0.04	0.18	0.00
4/5	0.05	0.10	0.00
5/1	0.08	0.15	0.01
5/2	0.03	0.10	0.01
5/3	0.09	0.36	0.01
5/4	0.11	0.30	0.03
6/1	0.15	0.70	0.03
6/2	0.20	0.92	0.14
6/3	0.22	1.28	0.16
6/4	0.21	0.77	0.27
7/1	0.29	1.45	0.65
7/2	0.17	0.92	0.62
7/3	0.21	0.57	1.03
7/4	0.14	0.28	1.11
7/5	0.18	0.23	0.89
8/1	0.17	0.11	0.87
8/2	0.00	0.04	0.46
8/3	0.02	0.03	0.12
8/4	0.00	0.01	0.04
9/1	0.00	0.02	0.05
9/2	0.00	0.03	0.01
9/3	0.00	0.03	0.00
9/4	0.00	0.00	0.01

	Cumalive Frequency Distribution		
	Spring	Spring	Summer
statWk	4sub2	5sub2	5sub2
4/1	3%	2%	0%
4/2	6%	3%	0%
4/3	8%	4%	0%
4/4	10%	7%	0%
4/5	12%	8%	0%
5/1	15%	9%	0%
5/2	16%	10%	0%
5/3	20%	14%	0%
5/4	24%	18%	1%
6/1	30%	26%	1%
6/2	37%	36%	4%
6/3	46%	50%	6%
6/4	54%	59%	10%
7/1	66%	75%	20%
7/2	72%	85%	30%
7/3	80%	91%	45%
7/4	86%	95%	62%
7/5	93%	97%	76%
8/1	99%	98%	89%
8/2	99%	99%	96%
8/3	100%	99%	98%
8/4	100%	99%	99%
9/1	100%	99%	100%
9/2	100%	100%	100%
9/3	100%	100%	100%
9/4	100%	100%	100%

How to interpret the Cumulative Frequency Distribution percentages:
Ex. 1: 4sub2 statWk 5/1: 15%
15% of the run has migrated past the Fraser River mouth by the end of statistical week 5-1

Ex 2. 5sub2: What proportion of the run migrates during weeks 5/1 through 5/4?
By the end of week 5/4 18% of the run has migrated past the river mouth and by the end of week 4/5 8% has migrated past the river mouth. So during weeks 5/1 through 5/4, 18%-8%=10%, it looks like 10% of the run migrates during this period.

Run timing based on Albion chinook test fishery in the Fraser River.

Fork Lengths for age 4_2 and age 5_2 Fraser chinook Caught in the Albion Test Fishery from April to July (2002 to 2009 data). Length information is averaged over the years noted

Summary Table: Fork Lengths for age 4_2 and age 5_2 Fraser Chinook Caught i
Albion Test Fishery from April to July (2002 to 2009 data)

	Cumulative %	
Fork Length (cm)	Age 4_2	Age 5_2
48	0%	0%
49	0%	0%
50	0%	0%
51	0%	0%
52	0%	0%
53	0%	0%
54	0%	0%
55	0%	0%
56	0%	0%
57	0%	0%
58	0%	0%
59	0%	0%
60	1%	0%
61	1%	0%
62	2%	0%
63	5%	0%
64	7%	0%
65	9%	0%
66	12%	0%
67	15%	0%
68	20%	0%
69	24%	0%
70	29%	0%
71	33%	0%
72	38%	0%
73	46%	1%
74	55%	1%
75	58%	2%
76	68%	3%
77	72%	4%
78	75%	5%
79	81%	7%
80	85%	8%
81	90%	11%
82	91%	13%
83	93%	18%
84	95%	23%
85	95%	30%
86	96%	36%
87	96%	45%
88	96%	52%
89	97%	59%
90	98%	66%
91	99%	73%
92	99%	80%
93	99%	83%
94	99%	88%
95	100%	90%
96	100%	94%
97	100%	96%
98	100%	97%
99	100%	98%
100	100%	98%
101	100%	99%
102	100%	100%
103	100%	100%
104	100%	100%
105	100%	100%
106	100%	100%
107	100%	100%
108	100%	100%
109	100%	100%
110	100%	100%
111	100%	100%
112	100%	100%
113	100%	100%