

## TWG Meeting #4 Minutes Jan 8 2020

### Updates from Dec 19 2019 meeting:

- Ice Jam meeting Dec 20 (BC, RT, PG).
- Overflight photos just about summarized. TWG endorses completing similar flights timed with natural hydrograph and STMP flows.
- Flooding backgrounder
  - No comment from TWG
  - How do we define a flood?
    - Phillip:
      - described BC approach of established benchmarks at PG and Vanderhoof for consistent observations.
      - Rely on River Forecast Center data
      - Typically 1:200 year event for new infrastructure, but cautioned many structures exist well below this level.
      - BC updating its climate adaptation plans to consider new flood triggers
    - Justus: also need to consider elevated groundwater effects. Substantial flooding, including impacts to infrastructure, well below 1:200 year event
  - Craig: how do we define flood in the reservoir? What elevation? How does this change along 300km+ length of reservoirs? What are the mechanics of flooding (surface vs groundwater), what are the social implications? Are there any domino effects from Tansa Narrows?
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- STMP rationale
  - Dan described history, related specifically to protection of vulnerable stocks of sockeye.
  - 20C threshold may need to be revisited.
- Trumpeter Swans: no effect on eggs. Primarily vegetarians, and no opportunity to eat viable salmon eggs based on water depth of spawning and depth of egg burial in gravel.

- Mick Creek: no further assessment, but represents an important aspect to consider in future: the effects on tributary streams and fish use/habitat.

### New Business

- Discussion on flooding
  - Ecofish (Jen) currently compiling report results, recommendations, data gaps, and trends.
  - 5 categories:
    - Reservoir
    - Murray/Cheslatta
    - Vanderhoof
    - Prince George
    - Other areas
  - Will be provided as pre-read for next main table meeting
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- Next Main Table meeting:
  - Breakout groups to define objectives and performance measures for:
    - Reservoir and Murray/Cheslatta flooding
    - River flooding
    - Reservoir and Murray/Cheslatta travel (recreation)
    - River travel (recreation)
  - Anticipate Main Table will give TWG instructions to provide summaries, answer specific questions, identify data gaps etc.
  - Ecofish will advance Main Table requests for TWG meeting Jan 29
  - We also want Main Table to confirm list of next topics (for objectives and performance measures) and identify tasks for TWG
    - General agreement not to proceed without Main Table instructions.