SNOHOMISH SUSTAINABLE LANDS STRATEGY
EXECUTIVE COMMITTEE 2018 (3.8.9)
Wed, Sept. 12, 2018 10:00 – 12:00, Tulalip Tribal Admin Center
(6406 Marine Drive, Tulalip, WA 98271)

PARTICIPANTS

Bernhard, Bob - Snohomish County SWM
Bookey, Brian - National Foods, EC Ag rep
Calvert, Dan - Puget Sound Partnership
Cereghino, Paul - NOAA
Cole, Heather - The Nature Conservancy
Dittbrenner, Cindy - Snohomish Conservation District
Eidem, CK - Ducks Unlimited, EC Fish rep
Evans, Dan - Dan Evans Consulting, facilitator
Fay, Robin - PCC Farmland Trust
Gromko, Anthony - WSU Extension
Hazleton, Chuck - Stillaguamish farmer
Kelly, Kristin - Pilchuck Audubon Society
Klesick, Tristan - Stillaguamish farmer, Co-chair (Ag)
Krienitz, Jay - Washington Dept. of Fish and Wildlife
Marti, Monte - Snohomish Conservation District, EC Ag rep
Masterson, Ikuno - Snohomish County
Misich, John - Snohomish Valley Farms
Nelson, Kurt - Tulalip Tribes
Neunzig, Linda - Snohomish County
Ruff, Morgan - Tulalip Tribes
Shattuck, Brett - Tulalip Tribes
Stockdale, Erik - Snohomish County SWM
Svrjcek, Ralph - Washington Dept. of Ecolog
Wahl, Colin - Tulalip Tribes
Williams, Terry - Tulalip Tribe, Co-chair (Fish)

PURPOSE: The purpose of the September SLS Executive Committee meeting is to receive updates on, and discuss, Snohomish Basin indicators (fish, farm, water / nutrients), SLS Integration Team launch, SLS leadership and structural changes, and participant news and updates.

1. **WELCOME, INTRODUCTION (10:00-10:10)**
   a. Welcome, recognize Tulalip hosts, new participants
      - Meeting started at 10:10
   b. Review purpose, agenda
   c. Introductions

2. **SNOHOMISH BASIN F3 INDICATORS UPDATE (10:10-10:50)**
   a. Fisheries, Snohomish Forum update: nutrients & plankton
      - Terry: fairly good ocean survival this year, leading to good return to the area
      - completed negotiations for a 10yr agreement with Canada and Alaska (reductions in fisheries to benefit us but not as much as had hoped for)
      - Canada agreed to use management units for the stocks of concern, identify weak stocks to incorporate into model (been in development for 5 years)…more fish for escapement
      - Morgan: Nov.1 forum meeting – discussion about riparian areas, still working on 10yr status and trends update (final draft ~Nov/Dec)

- Terry: science team from OR and WA looking at habitat conditions (using NOAA's habitat model) to quantify areas of concern. The Forest Service EMDS logic model will translate the results for landscape management and will help identify areas in the future of good, fair and poor conditions. Uplands habitat conditions have been completed, working on nearshore now and later marine/deep water conditions. PUDs from Snohomish and King counties will design pilot projects to test the information on.
- Kurt Nelson: Segue to Chris Krembs presentation. Tribes very concerned about changes in food web, driving factor is nitrogen…state to address a myriad of sources.

b. Chris Krembs with the marine monitoring unit within the Dept. of Ecology
    - Marine Water Quality and Indicators of Eutrophication (see attachment)
    - Climate impacts to Puget Sound waters in 2003-2006 and 2015-2016
    - Nitrate decreasing from 2008-2018 and chlorophyll decreasing from 1998 to present but:
        1. Big blooms occur which can be indicative of euptrophication (e.g., dinoflagellates, jellyfish, Noctiluca and macro-algae)
        2. Flagellates are rich in carbohydrates, not lipids which are desired more by aquatic species
        3. Jellyfish are end of the food chain, no one really eats jellyfish…common in south Puget Sound
        4. Macro-algae becoming a problem
    - Hypothesis: change in lower food web (copepods → diatoms)
        1. Less energy is transferred to higher levels
        2. Causes? Nutrient loading, climate change
    - Climate change impacts: future shifts in timing of stream flows
        1. Historical – maximum flow around June
        2. 2080 predicted – maximum flow around February/March
    - Future conditions: warmer water temperatures, carbohydrate based foodweb for fish to prey upon (less desirable), and magnified pollutants in water due to reduced summer stream flows and reduced circulation with upwelled waters from the ocean → nuisance species, nutrient ratios
    - Nitrate is still increasing even while less input is received from the ocean (upwelling)
    - Q&A
        1. Brian: Are we doing a good job to manage nitrogen inputs?
            a. Nitrate in rivers is decreasing but phosphate is increasing [N sources=80% in summer months from waste water treatment plants (WWTP)]

        b. Dept. of Ecology is currently modeling storm-event inputs, which are believed to be the largest source of nutrients
    2. Ralph: Are waste water treatment plants (WWTP) able to remove significant levels of nutrients? Yes
    3. Tristan: Can we benefit from a change in species presence? Chris – anchovies can survive the winters now because of increased temperatures

3. SLS INTEGRATION TEAM LAUNCH UPDATE (10:50-11:20)

a. Summarize IT concept and structure
    - Cindy and Morgan are working on fish and ag pieces separately
    - Funding
        1. in both FbD applications (Snohomish & Stilly)
        2. Jay/WDFW and existing NOAA grant money maybe potential sources
    - Fish needs: tribes working on prioritization of areas
    - Ag needs: currently being worked on
    - September/October: key meeting (present results at November meeting)
        1. Main objectives of IT?
        2. Leadership?
        3. Representatives?
            a. solidified in Nov/Dec
            b. fish reps from technical committees
        4. What reaches first?
        5. Freq of meetings?
        6. Preparing for grant cycle? (Paul volunteered to assist)
            a. State groups
                i. Sync/Dept. of Commerce – infrastructure
                ii. Salmon/Aquatic group from RCO – natural resource
    - IT meetings kick-off in January and February
    - FbD ranks will come out towards the end of October so we'll get a better idea of funding potential then

b. Discussion and next steps
    - Monte: Suggesting that we start working on next FbD grant application after the current funding is awarded (June 2019), almost 2 years out
    - Heather: TNC, SCD and SWM to figure out levels of leadership needed (one leader for the entire county or split groups up by basin), results to be discussed in November

4. SLS LEADERSHIP, PARTNERS & STRUCTURE (11:20-11:50)

a. Introduction: SLS evolving

b. Executive Committee changes: Tristan & Shawn
    - Erik: presented a signed/framed card to Tristan and expressed SLS's gratitude for his contributions

- Tristan: serve neighbor to neighbor in the Stilly valley but wishes to stay in touch
- Dan: Stillaguamish tribe to step back from SLS but will participate on implementing projects

c. Restructuring proposal: more emphasis on IT, slenderize EC (3-3)
    - Brian, Kristin and CK: 3-3 is fine, transition
    - Kristin: develop list of potential people to fill seats if more become open in the future, always good to be prepared
    - Dan: addendum/amendment presented next month for slenderized SLS and IT
    - Tristan: need to work on keeping Stilly focus included in SLS since Stilly tribe will be leaving
    - Jay: can Kit come to SLS and speak about Stilly actions?
d. Discussion and next steps

5. KEY SLS UPDATES -- FISH, FARM, FLOOD CONTROL (11:50-12:00)

a. SLS Farm / Fish to Table Dinner Sept 18th
    - Monte: 70 rsvp's, Laura Blackmore (Director of PSP) will facilitate conversation after dinner, more of a focus on SLS and choices we make that contribute to SLS
b. Other F3 news
    - Dan: to respond to the Snohomish County Farm Bureau letter (Dan Bartelheimer)

6. WRAP UP, ADJOURN (12:00)