LIO Goal Statement Subgroup Meeting
Input on Draft Goal Statements
June 6, 2016

1. Freshwater Quality
   a. **Water Quality Index**
      - **Local Goal:** By 2055, 100% of long term monitoring stations on **large rivers and small streams** maintain **flow adjusted** scores of 80 or above on the Water Quality Index.
      - **Local Contribution to 2020 Regional Targets:**
        - By 2020, 50% of long term large river monitoring stations maintain flow adjusted scores of 80 or above.
        - By 2020, 37% of long term small stream monitoring stations maintain flow adjusted scores of 80 or above.
      - Water Quality index does not portray summer temperatures and toxics in an accurate light as we could have an increase in WQI but also increases in summer temperatures and toxics
      - The group agreed with Snohomish County input that stated that it would be problematic to develop goals related to impaired waters and benthic invertebrates

2. *Floodplains (split the basins to develop separate goals)*
   - **Armoring**
     - Stillaguamish: remove 25 miles (40% of 25 miles is 10 miles) of armoring on large channels, and achieve Properly Functioning Condition (80% of historic). By 2025, achieve 40% of these goals (note we can calculate 40% numbers to add to this sentence once we have the 2055 goals sorted out).
     - Snohomish: 
   - **Floodplain Acres (off channel acres)**
     - Stillaguamish: By 2055, restore 300 acres (40% of 300 acres is 120 acres) of side channel habitat and achieve Properly Functioning Condition (80% of historic). By 2025, achieve 40% of these goals (note we can calculate 40% numbers to add to this sentence once we have the 2055 goals sorted out).
     - Snohomish:
       - Snohomish Tech Comm needs to revisit to see if they will propose new targets for the second decade (2015-2025).
       - Snohomish Tech Comm needs to revisit off channel habitat and decide if this is the best way to represent floodplains

3. *Chinook Salmon*
   - **Local Goal:**
By 2055 Skykomish Chinook Abundance Target is 39,000 adult spawners (range 17,000-51,000), based on a productivity of 1.

By 2055 Snoqualmie Chinook Abundance Target is 25,000 adult spawners (range 17,000-33,000), based on a productivity of 1.

By 2055 NF Stillaguamish Chinook Abundance Target (for both Summer and Fall runs) is 18,000 (range 18,000-24,000), based on a productivity of 1.

By 2055 SF Stillaguamish Chinook Abundance Target (for both Summer and Fall runs) is 15,000 (range 15,000-20,000), based on a productivity of 1.

- This vital sign should also include Coho and Steelhead
- This vital sign should include all VSP parameters (Abundance, Productivity, Diversity, Spatial Structure) and not just Abundance targets

Local Contribution to 2020 Regional Target:

PSP Indicator: Population Abundance (cumulative regional abundance targets add up to roughly 249,000 adult spawners). The Sno-Stilly LIO targets add up to 97,000 spawners which is roughly 39% of the cumulative regional targets.

PSP 2020 Regional Target: Stop the overall decline and start seeing improvements in wild Chinook salmon abundance in two to four populations in each biogeographic region.

4. Estuaries

- Local Goal:
  - Stillaguamish: By 2055, provide 4,039 acres of functional estuary restoration. By 2025, achieve 40% of this goal.
  - Snohomish: Tech Comm needs to revisit this

Local Contribution to 2020 Regional Targets: All Chinook natal river deltas meet 10-year salmon recovery goals, and X acres of estuarine wetlands restored to tidal flooding.

- Stillaguamish 10 year goal (2015-2025) is 548 acres. Leque will add 250 acres and zis a ba will add 150 acres.
- Snohomish 10 year goal (2015-2025) is X acres. Smith Island will add 315 acres, Qwuloolt added 354 acres and Blue Heron Slough added 340 acres
- Snohomish Tech Comm will need to revisit 10 year targets (2015-2025) for estuaries and will verify project numbers for Smith Island, Qwuloolt, and Blue Heron Slough

PSP Indicator: Estuary Restoration Meeting Salmon Recovery Goals
PSP 2020 Regional Target: All Chinook natal river deltas meet 10-year salmon recovery goals.

PSP Indicator: Area of Estuarine Wetlands Restored to Tidal Flooding
PSP 2020 Regional Target: Restore 7,380 quality acres basin-wide, or 20% of estimated restoration need.

5. Summer Stream Flows

- Local Goal: None, except Sultan and Tolt Rivers (managed flows) and Instream Flow Rules.
Meet flow rules for all waterways

- Low flow goals should explore strategies and actions related to Water Rights purchasing, Forestry practices, water storage and beaver restoration

- **Local Contribution to 2020 Regional Target:**

- **PSP Indicator:** Summer Low Flows
  - **PSP 2020 Regional Target:** Meet the following river-specific targets:
    - Restore low flows to bring the Snohomish River from a weakly decreasing trend to no trend.
    - Restore low flows to bring the Deschutes River, **North Fork Stillaguamish River**, and Issaquah Creek from a strongly decreasing trend to a weakly decreasing trend.
    - **Snohomish County** has data that NF stilly is not experiencing a strongly decreasing trend, which counters this target

6. **Land Cover and Development**

- **Local Goal:**
  - The 2055 goal for riparian acres is 8,000 acres for the Stillaguamish. The 10-year goal is 400 acres planted in the Stillaguamish.
  - The 10-year goal is 256 acres of restored riparian habitat in the Snohomish.
    - Snohomish Tech Comm needs to revisit to see if they will propose new targets for the second decade (2015-2025).
  - **Local Contribution to Regional Targets:** The regional riparian target is in miles and not acres like the local targets.

- **PSP Indicator:** Land Cover Change: Forest to Developed
  - **PSP 2020 Regional Target:** Average annual loss of forested land cover to developed land cover in non-federal lands does not exceed 1,000 acres per year.

- **PSP Indicator:** Land Cover Change: Riparian Restoration
  - **PSP 2020 Regional Target:** Restore 268 miles of riparian vegetation or equivalent restoration projects are underway.

- **PSP Indicator:** Land Development: Conversion of Ecologically Important Lands
  - **PSP 2020 Regional Target:** Basin-wide loss of vegetation cover on indicator land base does not exceed 0.15% of the 2011 baseline land area over a 5-year period.

- **PSP Indicator:** Land Development: Proportion of Basin-wide Population Growth Distribution within UGAs
  - **PSP 2020 Regional Target:** Proportion of basin-wide growth in UGAs at least 86.5% (equivalent to all counties exceeding their population growth goals by 3%) and all counties showing an increase over their 2000–2010 percentage.

- The group noted the potential application of watershed characterizations, Stilly TMDL etc for this vital sign

- There may be some qualitative goals for forest cover and impervious surfaces in the Snohomish Basin Recovery Plan

- Tribal state of the watershed documents (NWIFC, Stilly) may have some information on trends