

WRIA 8 Technical Committee monitoring and assessment priorities -- RESULTS

BACKGROUND

In an effort to promote discussion and prioritization of WRIA 8 Technical Committee (TC) monitoring and assessment needs, TC members completed a prioritization exercise prior to the December 2018 meeting. Members were instructed to focus their prioritization on key information needs and management questions for WRIA 8 Chinook salmon and habitat restoration, and to refer to the WRIA 8 Chinook lifecycle-based conceptual model and other materials: [WRIA 8 Plan Update \(2017\)](#); [WRIA 8 Monitoring and Assessment Plan \(2017\)](#); [Conceptual Model](#); [WRIA 8 Technical Forum](#).

Ten technical participants from local and state partner jurisdictions ranked their top six monitoring/assessment topics from an initial list of topics generated by the TC. The ranks were converted into numerical scores, then the scores were summed and sorted by overall score. The TC assigned 10 points to a first-place ranking, 8 points to second place, 6 to third, 4 to fourth, 3 points to fifth place, and 2 points to sixth.

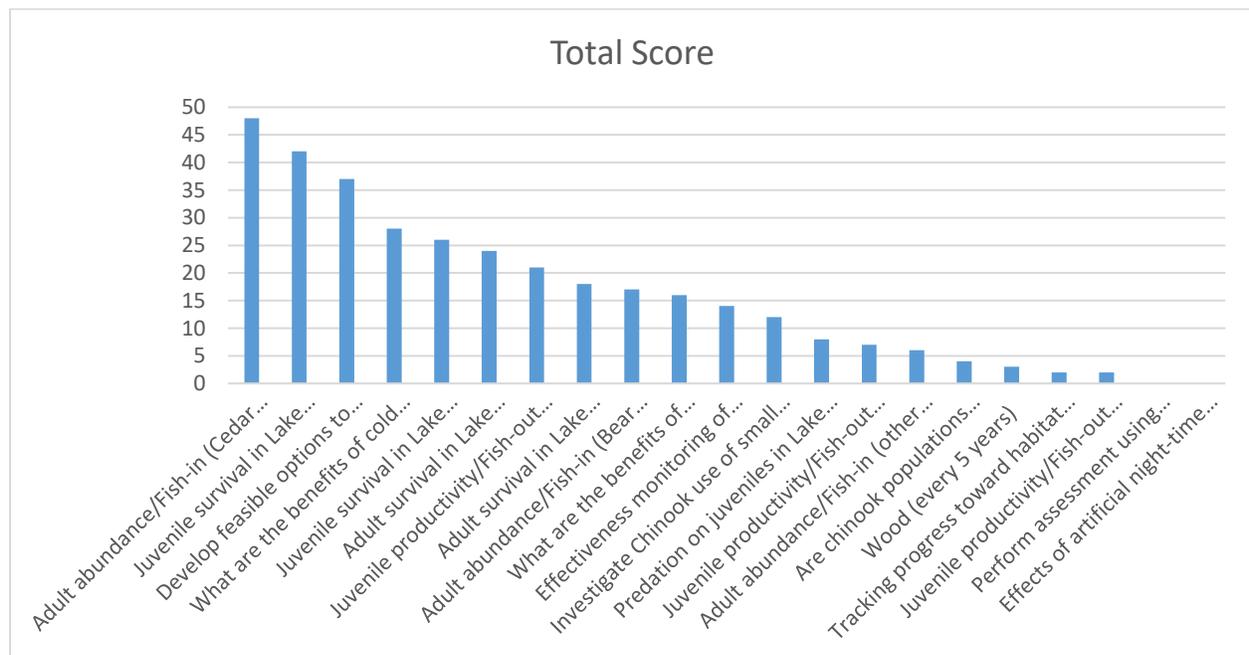
RESULTS

Results were tabulated from scores received by the TC through December 12, 2018 (see following page).

INTERPRETATION

The ranked list is intended to be a first step to help guide the TC in identifying and soliciting the types of monitoring and assessment proposals most needed in the WRIA 8 watershed.

The TC may take further action in 2019, such as convening other local scientists with expertise in WRIA 8 who are not TC members to share and receive feedback on these priorities, and to potentially generate interest in developing proposals to address them.



**Ranking of TC priorities for monitoring and assessment.**

RANK	TOPIC	TOTAL SCORE	STATUS
1	Adult abundance/Fish-in (Cedar redd surveys)	48	Ongoing. Funded mostly by partners and some WRIA 8 grant funds
2	Juvenile survival in Lake Washington/Lake Washington Ship Canal (LWSC) (temp, predation, light etc.)	42	Some efforts by partners – no clear coherent strategy
3	Develop feasible options to address elevated temperatures and low dissolved oxygen in the LWSC	37	Initial funding for scoping document and convening stakeholders approved by SRC
4	What are the benefits of cold water supplementation?	28	
5	Juvenile survival in Lake Sammamish/Sammamish River	26	
6	Adult survival in Lake Washington/LWSC (temp, disease etc.)	24	
7	Juvenile productivity/Fish-out (Cedar) (needs fish-in data to calculate juvenile productivity)	21	Funded by WRIA 8 grants
8	Adult survival in Lake Sammamish/Sammamish River	18	
9	Adult abundance/Fish-in (Bear Creek redd surveys)	17	Funded by Co-managers
10	What are the benefits of reconnecting small tributaries to Sammamish River?	16	
11	Effect. monitoring of small-scale projects	14	
12	Investigate Chinook use of small creeks (eDNA)	12	
13	Predation on juveniles in Lake WA/LWSC (lump with survival above?)	8	Combine with survival
14	Juvenile productivity/Fish-out (Bear Creek) (needs fish-in data to calculate juvenile productivity)	7	Funded by WRIA 8 grants
15	Adult abundance/Fish-in (other streams)	6	Funded by WRIA 8 grants
16	Are chinook pop's declining in Tier 2 streams?	4	
17	Wood (every 5 years)	3	Next need in 2020
18	Tracking progress toward habitat goals in the 2017 Plan Update	2	Covered by WRIA 8 Technical Coordinator except wood
19	Juvenile productivity/Fish-out (other streams) (needs fish-in data to calculate juvenile productivity)	2	
20	Perform assessment using remote sensing and field work/ground-truthing of WRIA 8 nearshore stream mouth habitat conditions	0	
21	Effects of artificial night-time light (lump with survival above?)	*	* Juvenile survival issue -- can be combined with above
	Other ideas noted: Continue to experiment with hydro-acoustics to estimate smolts out and adults in within the LWSC.		