

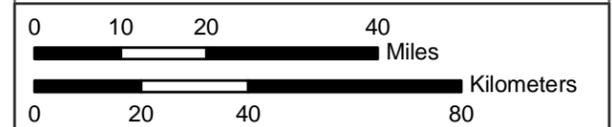
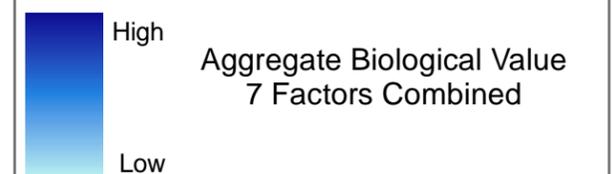
Maps 2 through 9 have noted how each factor was assessed with a dataset by watershed. Watershed scores for each factor were normalized, so scores for each factor ranged from 0 to 1. The scores on this map result from an addition of the normalized scores for the factors listed. All factors were weighted equally yielding a maximum score of seven. The actual aggregate values ranged from a high of 6.15 to a low of 0. The data used for this map will be updated over time as we learn more about Mat-Su salmon and their habitat, which could result in changes to this map in the future. Interpretation of this data is most appropriate at the subwatershed or larger scale.

In this project, data about salmon distribution, lifestage use, and presence of important habitats like lakes and wetlands has been mapped to show patterns of salmon habitat distribution across the Mat-Su Basin and to indicate biological value of watersheds in the basin. This project presents factors of salmon biological value in a mappable format that others can use to help answer their own questions about salmon conservation. The watershed scores for these factors can be added together to show where certain biological values for salmon may be greater. Factors can even be weighted to emphasize some values over others.

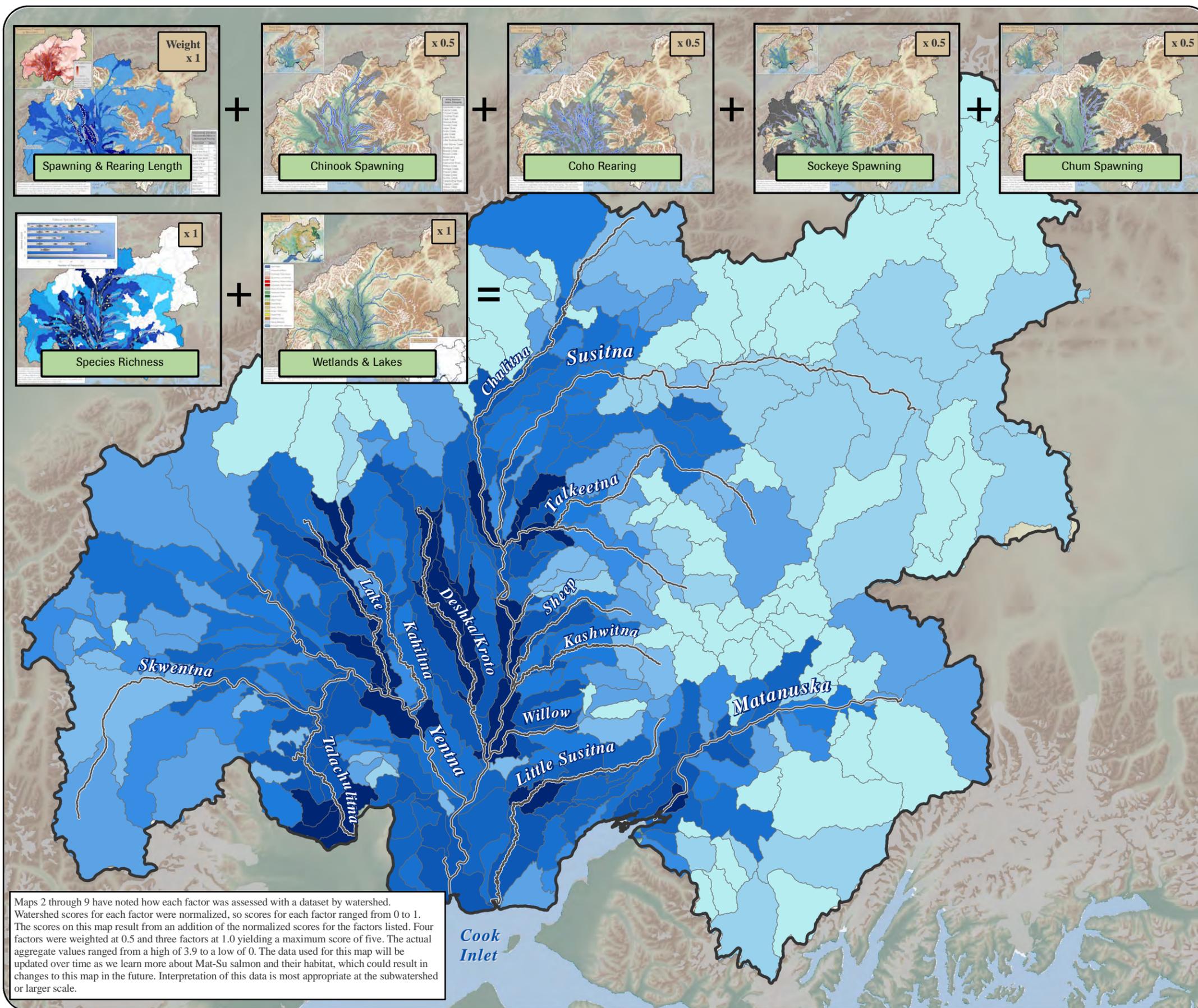
- Scenario 1 is a sum of the watershed scores for:
- + Total length of spawning and rearing
 - + Chinook spawning
 - + Coho rearing
 - + Sockeye spawning
 - + Chum spawning
 - + Species richness
 - + Wetlands and lakes

This map does not represent the most important places for salmon or deliver the answer for where restoration or protection of salmon habitat should occur. The incompleteness of the major datasets available for salmon in the Mat-Su Basin limits how these maps can be interpreted. This assessment provides a first step at assessing the biological value of individual watersheds. It is intended to help the Mat-Su Salmon Partnership, its partners, and others concerned about salmon conservation to identify priorities for their own efforts.

Mat-Su Basin - Biological Value Scenario B1 Aggregate Biological Value



DATA SOURCES:
Alaska Dept. of Fish and Game - Anadromous Waters Catalog - 2008.
National LandCover Dataset - US Geological Survey, 2008.

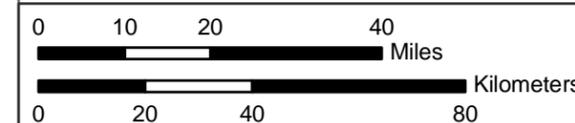
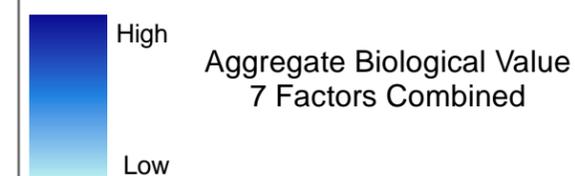


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- Scenario 2 is a sum of the watershed scores for:
- + Total length of spawning and rearing
 - + Chinook spawning* (* weight = 0.5)
 - + Coho rearing*
 - + Sockeye spawning*
 - + Chum spawning*
 - + Species richness
 - + Wetlands and lakes

This map does not represent the most important places for salmon or deliver the answer for where restoration or protection of salmon habitat should occur. The incompleteness of the major datasets available for salmon in the Mat-Su Basin limits how these maps can be interpreted. This assessment provides a first step at assessing the biological value of individual watersheds. It is intended to help the Mat-Su Salmon Partnership, its partners, and others concerned about salmon conservation to identify priorities for their own efforts.

Mat-Su Basin - Biological Value Scenario B2 Aggregate Biological Value



DATA SOURCES:
Alaska Dept. of Fish and Game - Anadromous Waters Catalog - 2008.
National LandCover Dataset - US Geological Survey, 2008.