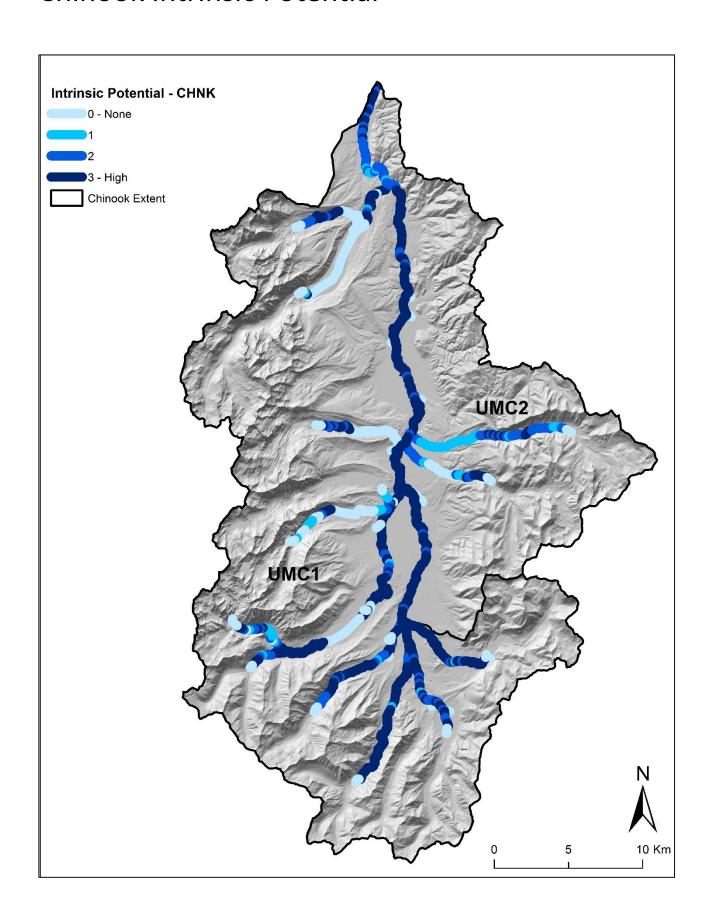
Upper Salmon: Summary of CHaMP Metrics and Modeled Products

- CHaMP metrics are directly measured at each CHaMP site according to probabilistic sampling design.
 Metric included in this summary are:
 - Sinuosity
 - Substrate < 2 mm
 - Substrate < 6 mm
- Modeled products are built from CHaMP data and additional mechanistic or empirical knowledge, assessed at each CHaMP Site
 - Habitat Suitability Index (HSI)
 - Net Rate of Energy Investment (NREI)
 - Quantile Regression Forest Capacity (QRF)
 - Riparian Condition Assessment (RCA)
 - Riparian Vegetation Conversion Type (RVCT)
 - Riparian Condition Departure (RCD)
 - Large Wood Recruitment Potential (LWD)
 - Stream Temperature Exceedance (TEMP)

Summary by Chinook Assessment Unit

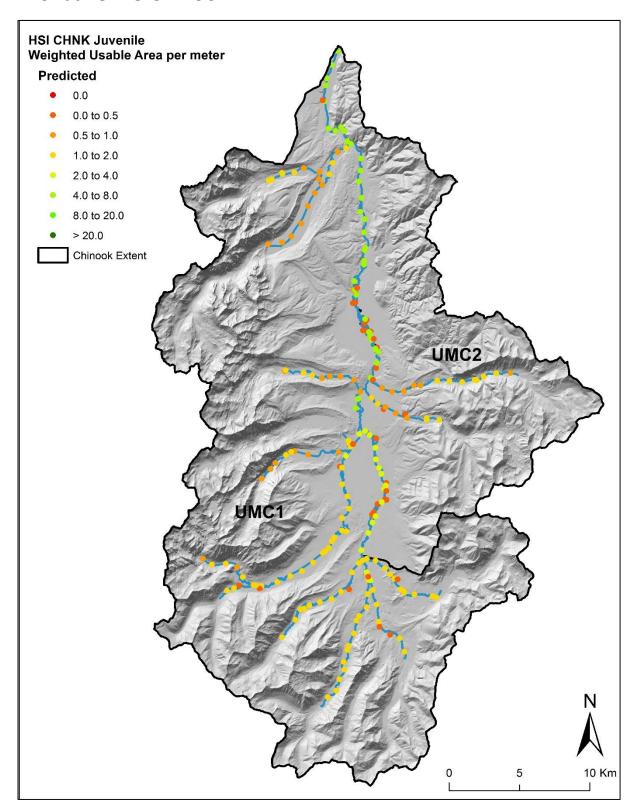
Upper Salmon: Summary of CHaMP Metrics and Modeled Products

Chinook Intrinsic Potential



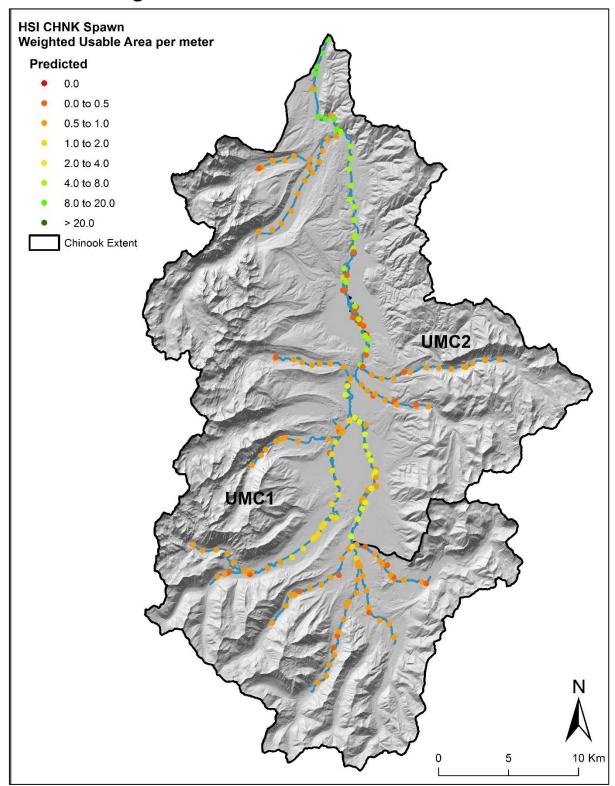
Chinook Juvenile Weighted Usable Area

- Source: Habitat Suitability Index (HSI) Model
- Definition: Suitable habitat area (m²) per meter of stream length for Juvenile Chinook



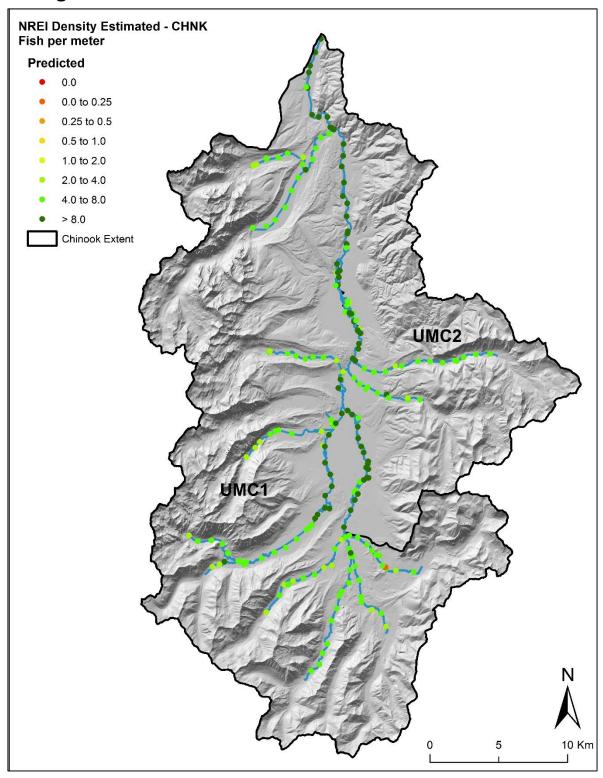
Chinook Spawner Weighted Usable Area

- Source: Habitat Suitability Index (HSI) Model
- Definition: Suitable Spawning habitat area (m²) per meter of stream length for Chinook



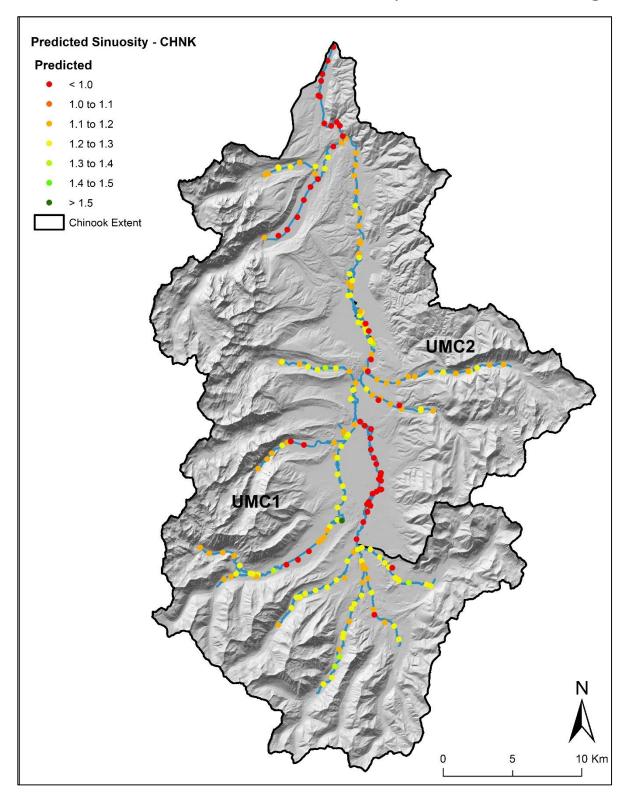
Juvenile Salmonid Capacity

- Source: Net Rate of Energy Intake (NREI) Model
- Definition: Carrying capacity (fish) per meter of stream length



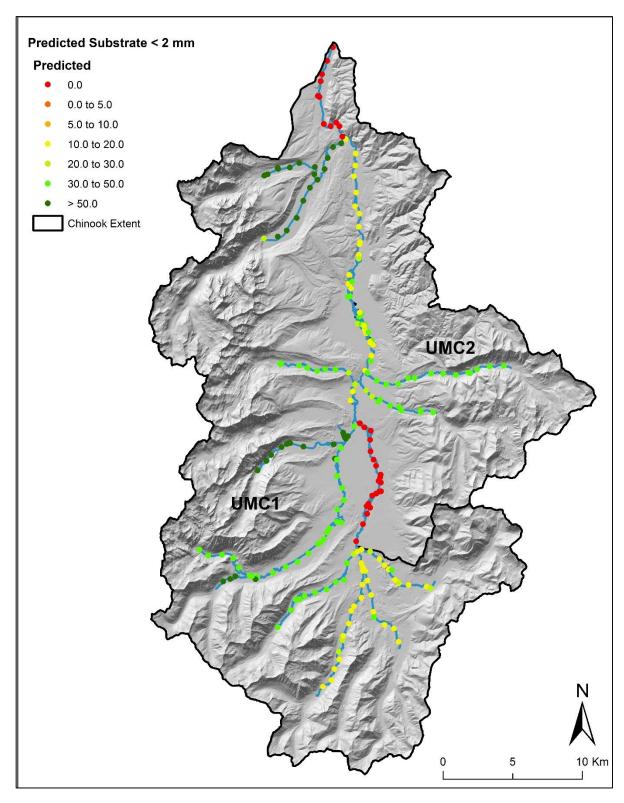
Sinuosity

- Source: CHaMP Metrics (<u>www.champmonitoring.org</u>)
- Definition: Ratio of the thalweg length to the straight line distance between the start and end points of the thalweg.



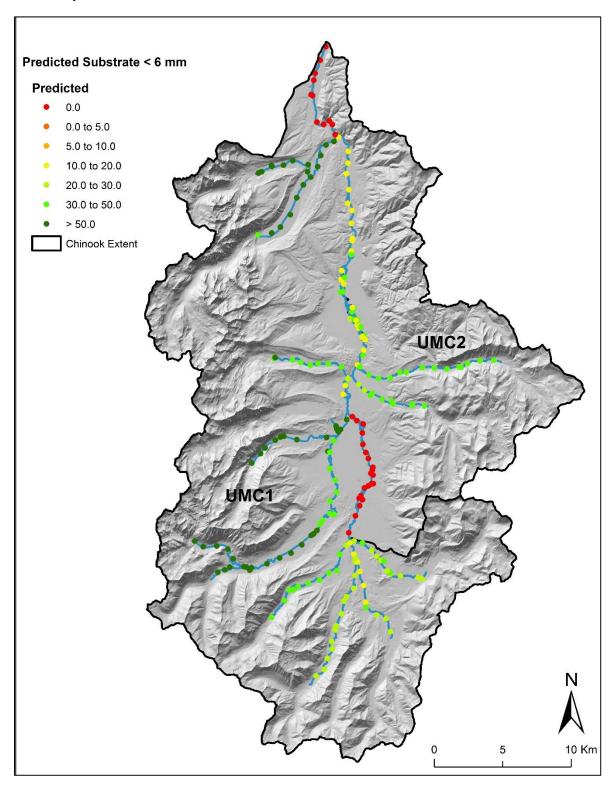
Substrate < 2 mm

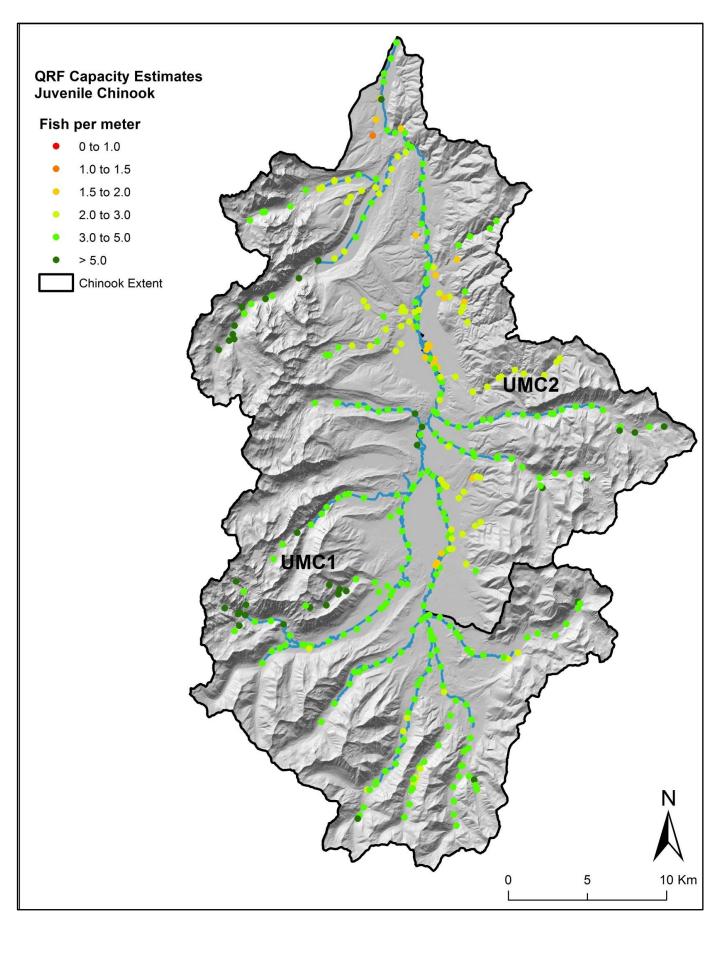
- Source: CHaMP Metrics (www.champmonitoring.org)
- Definition: Average percentage of pool tail substrates comprised of fine sediment <2 mm

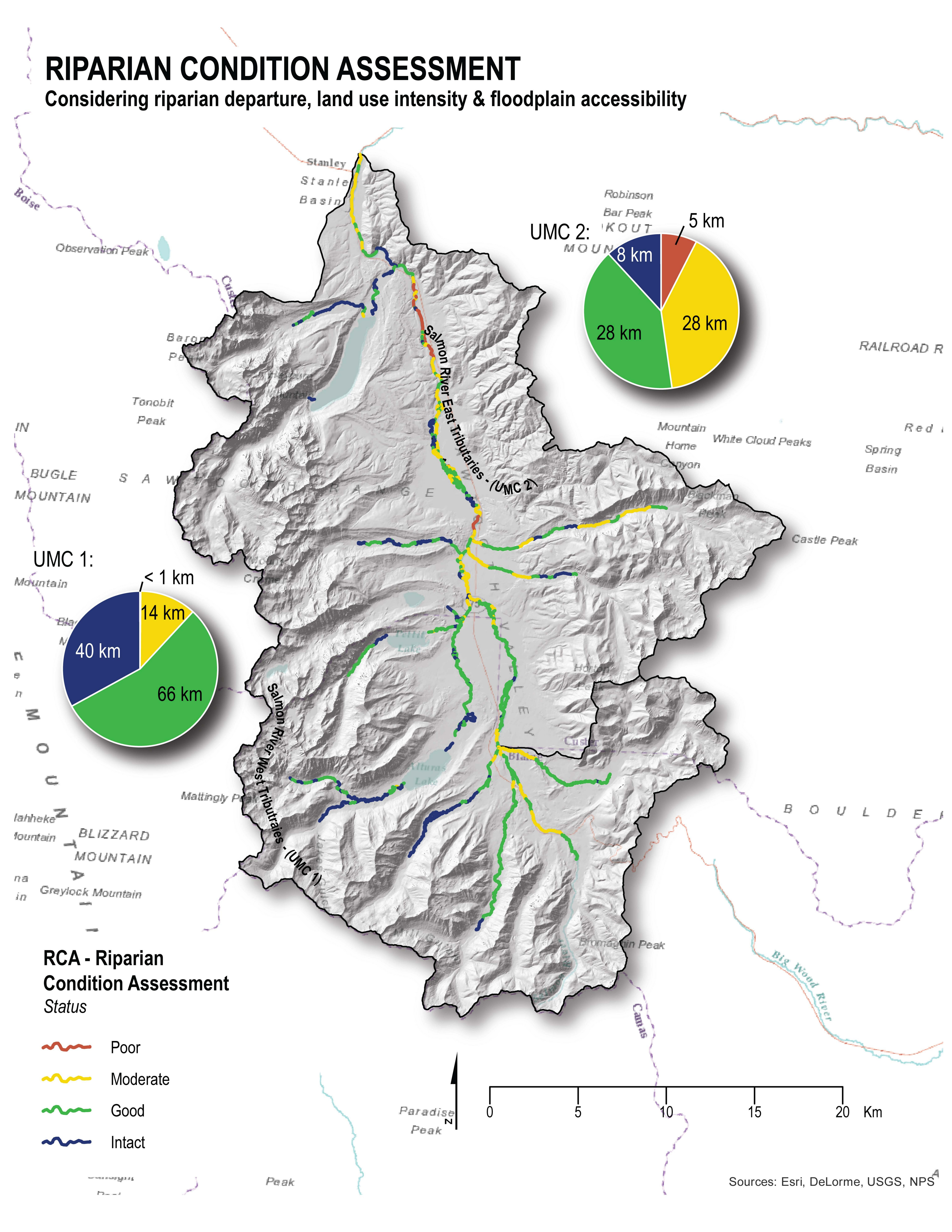


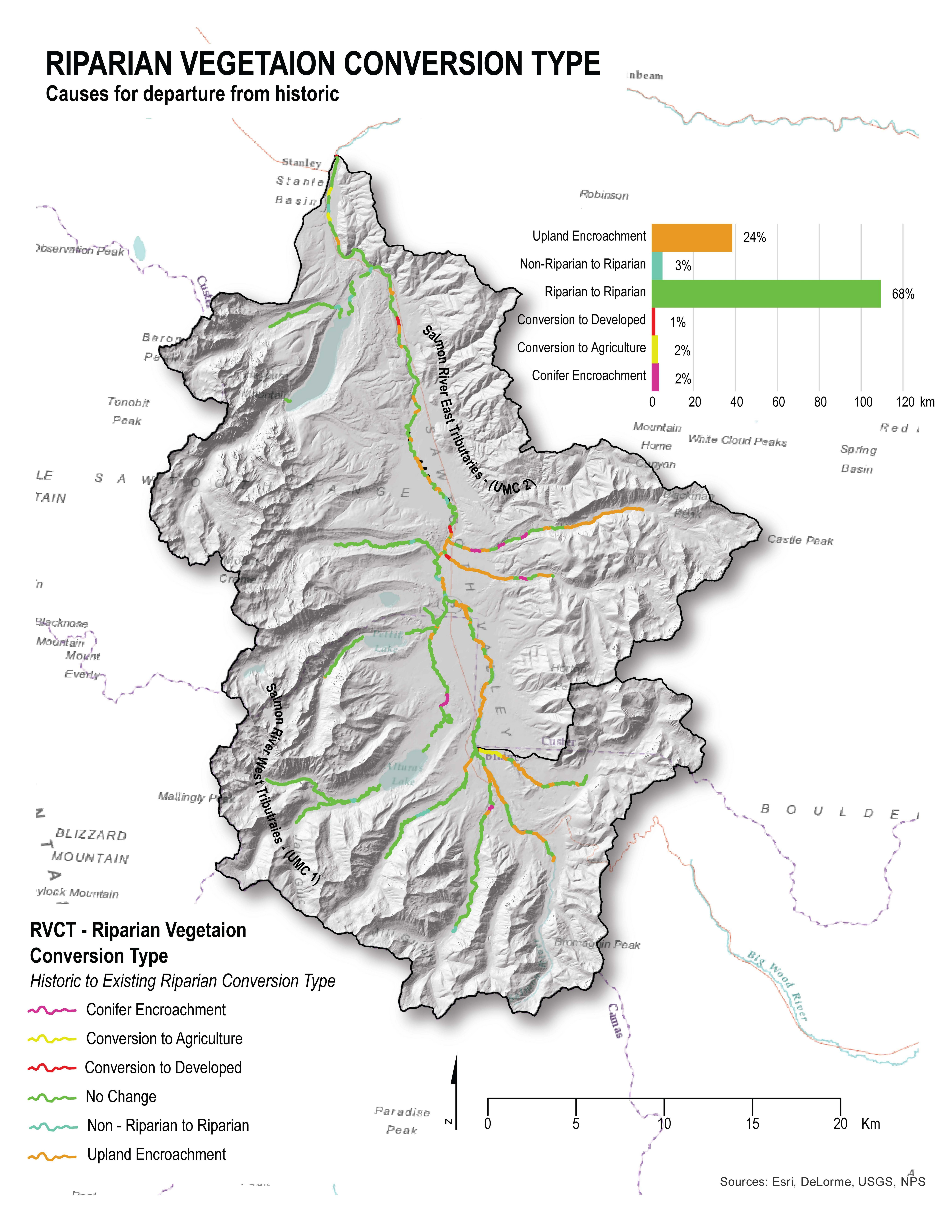
Substrate < 6 mm

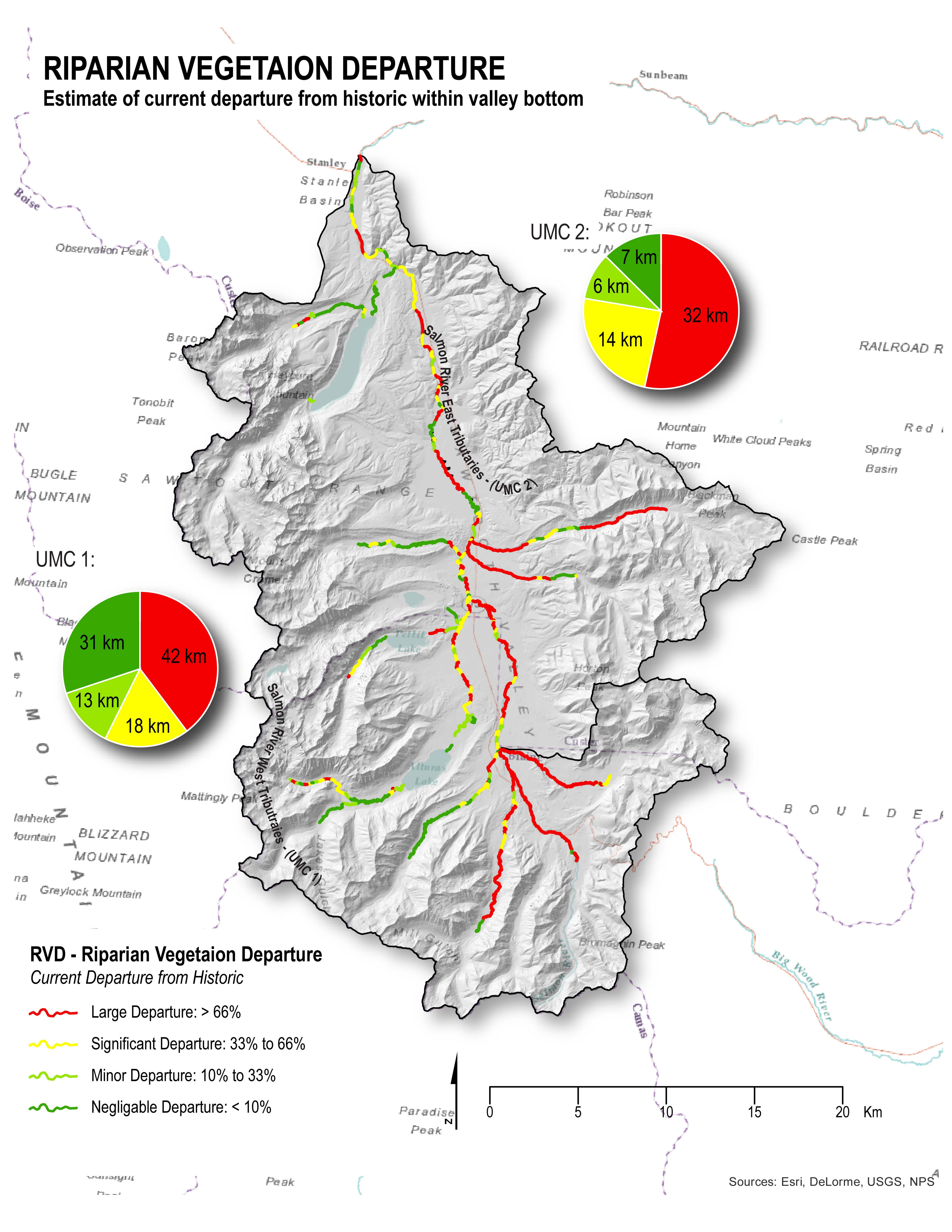
- Source: CHaMP Metrics (<u>www.champmonitoring.org</u>)
- Definition: Average percentage of pool tail substrates comprised of fine sediment <6 mm

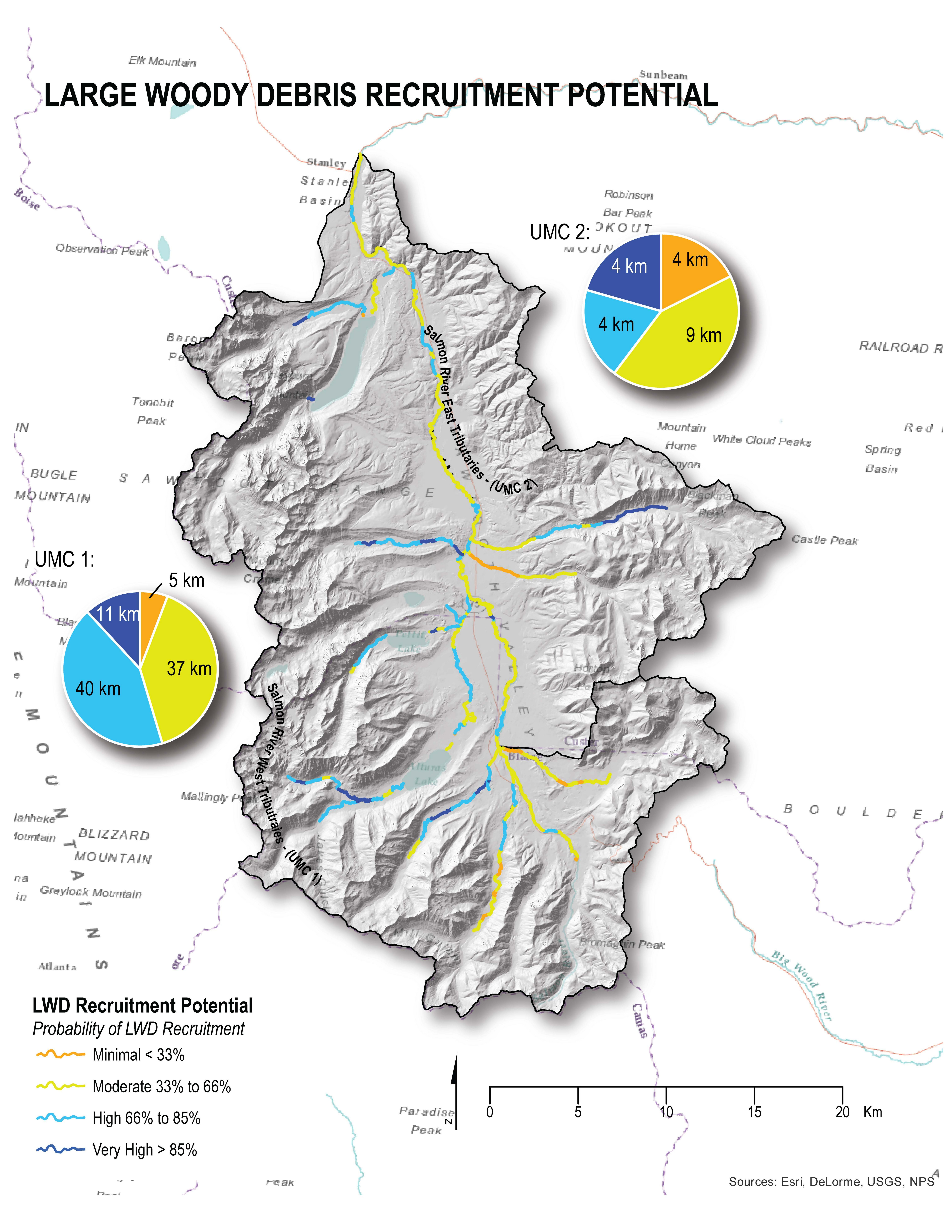




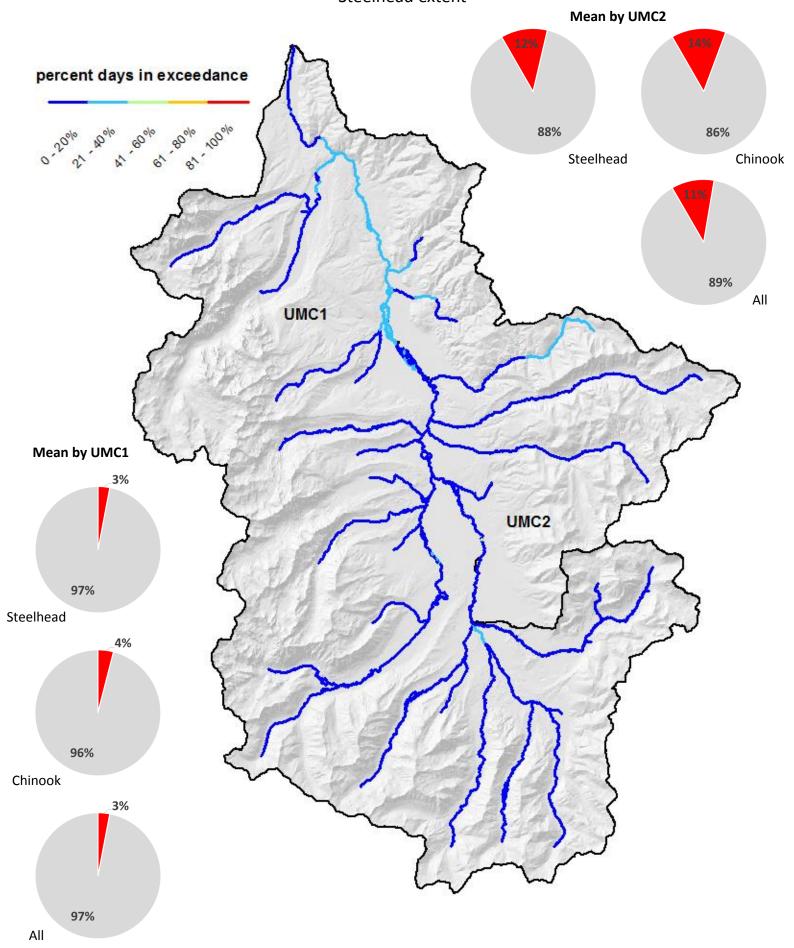




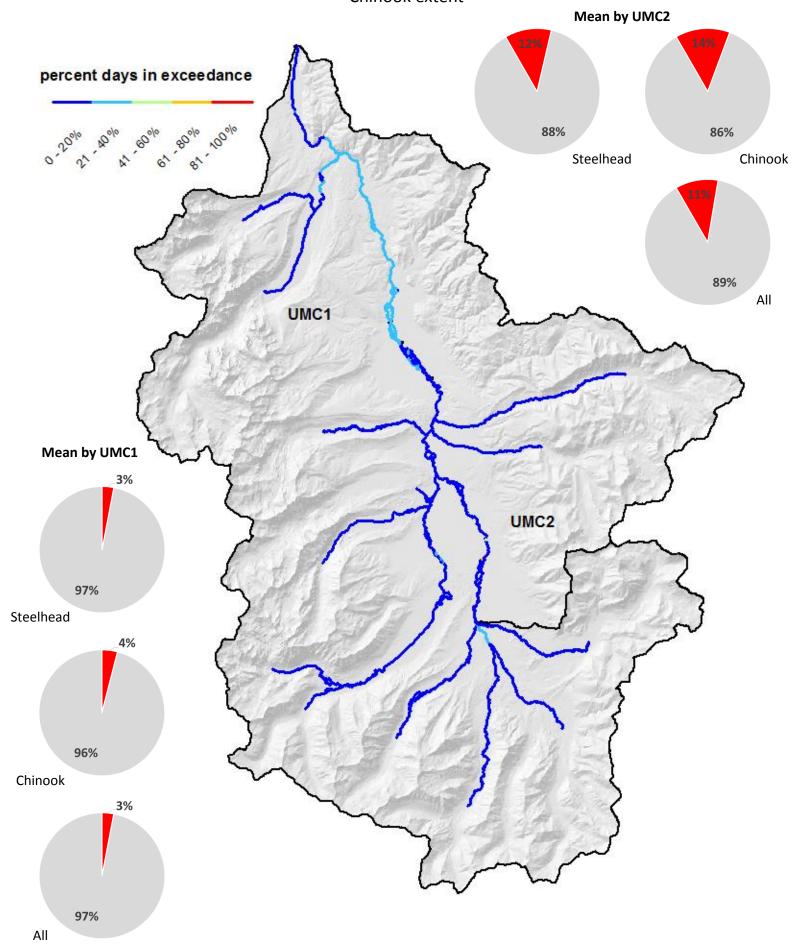




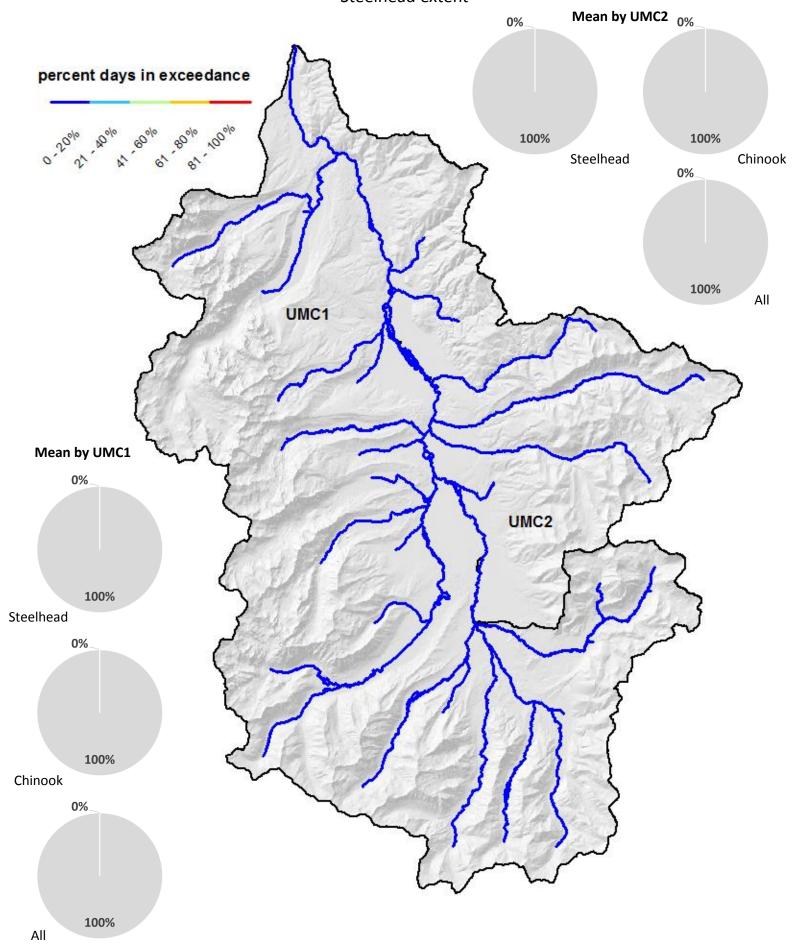
Percent summer days (20 July – 31 August) in exceedance of 18°C maximum stream temperature Steelhead extent



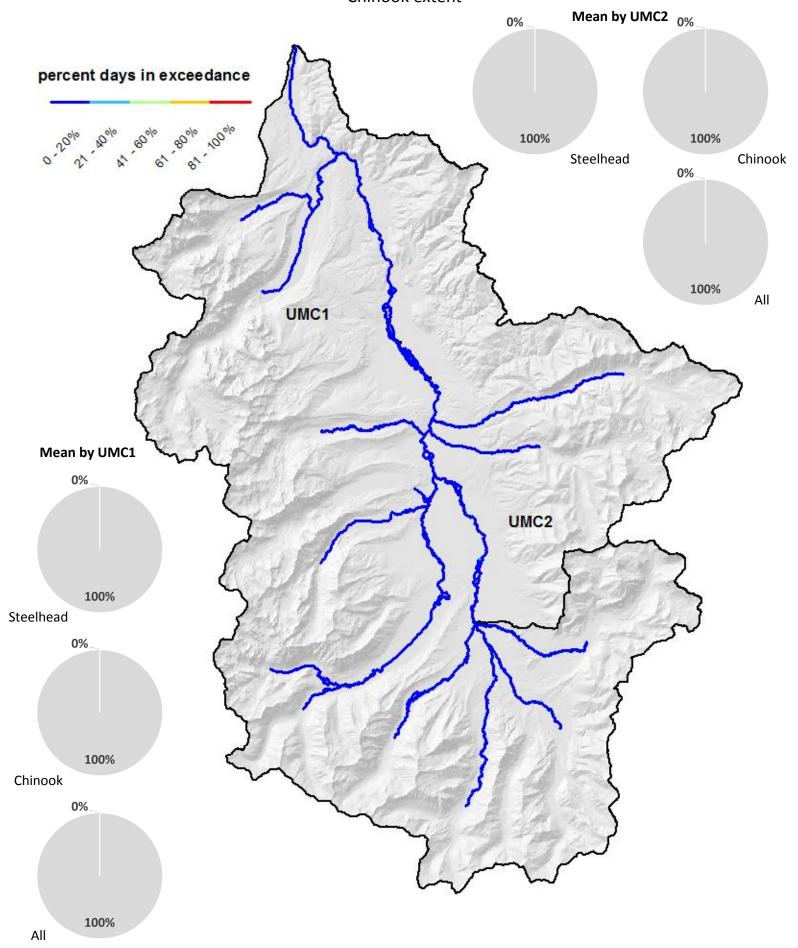
Percent summer days (20 July – 31 August) in exceedance of 18°C maximum stream temperature Chinook extent



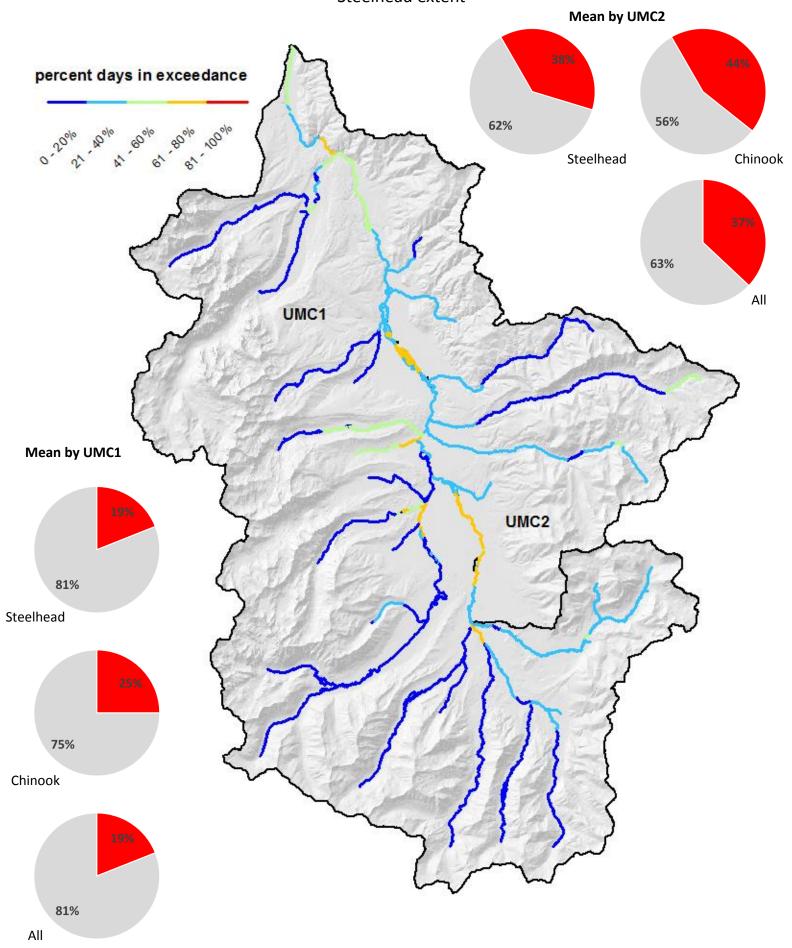
Percent summer days (20 July – 31 August) in exceedance of 20°C maximum stream temperature Steelhead extent



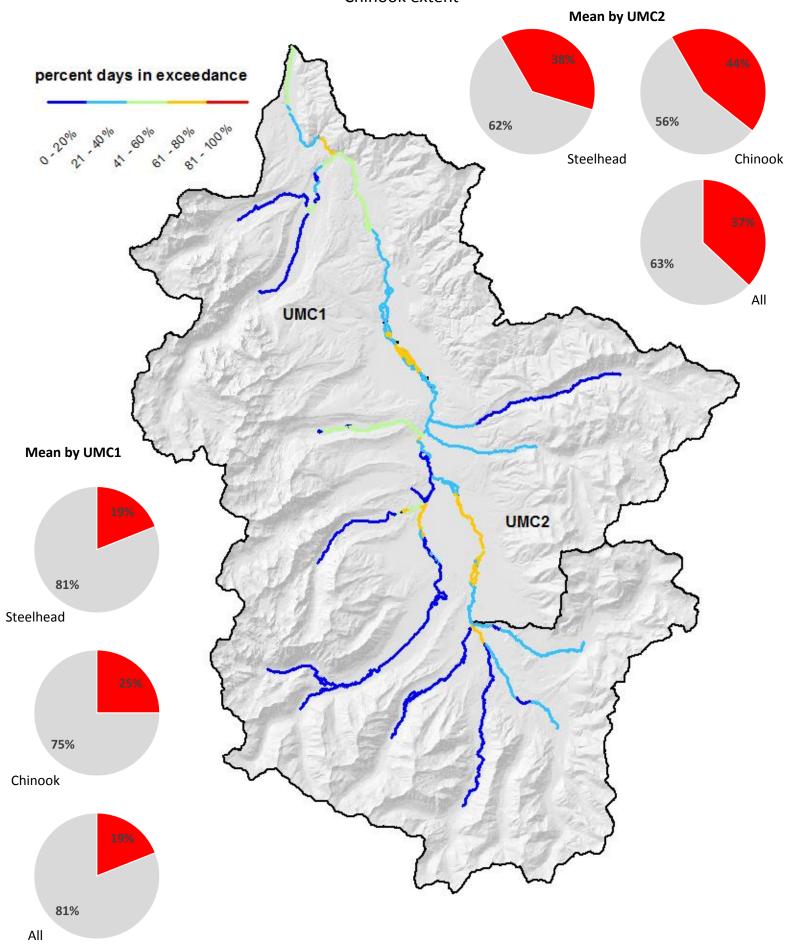
Percent summer days (20 July – 31 August) in exceedance of 20°C maximum stream temperature Chinook extent



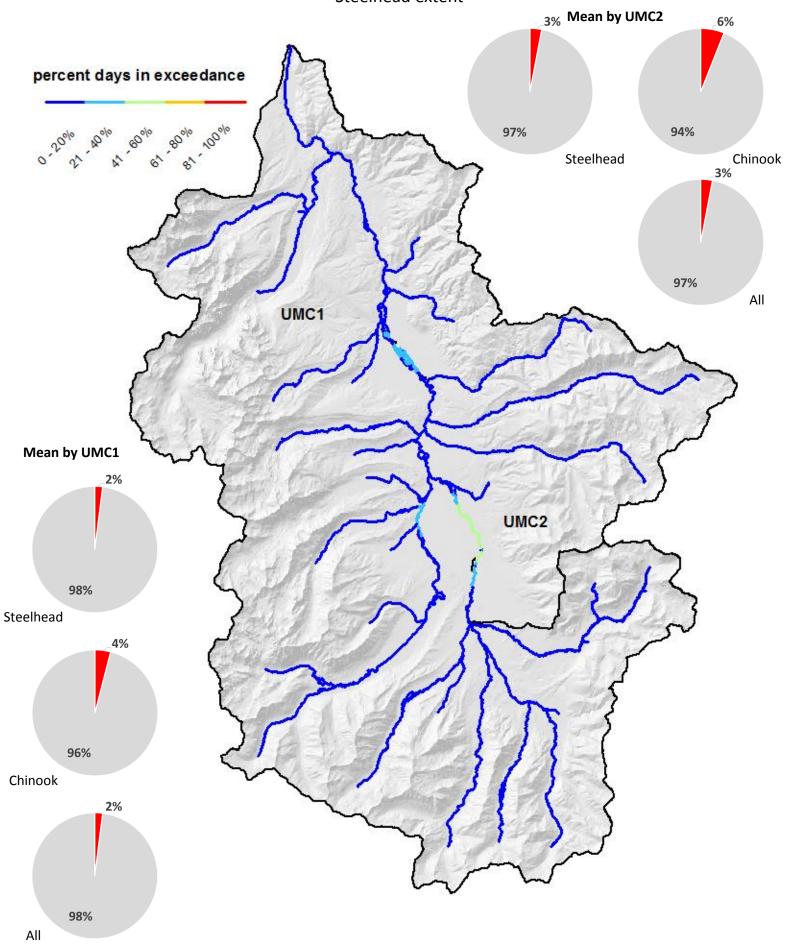
Percent summer days (20 July – 31 August) in exceedance of 18°C maximum stream temperature Steelhead extent



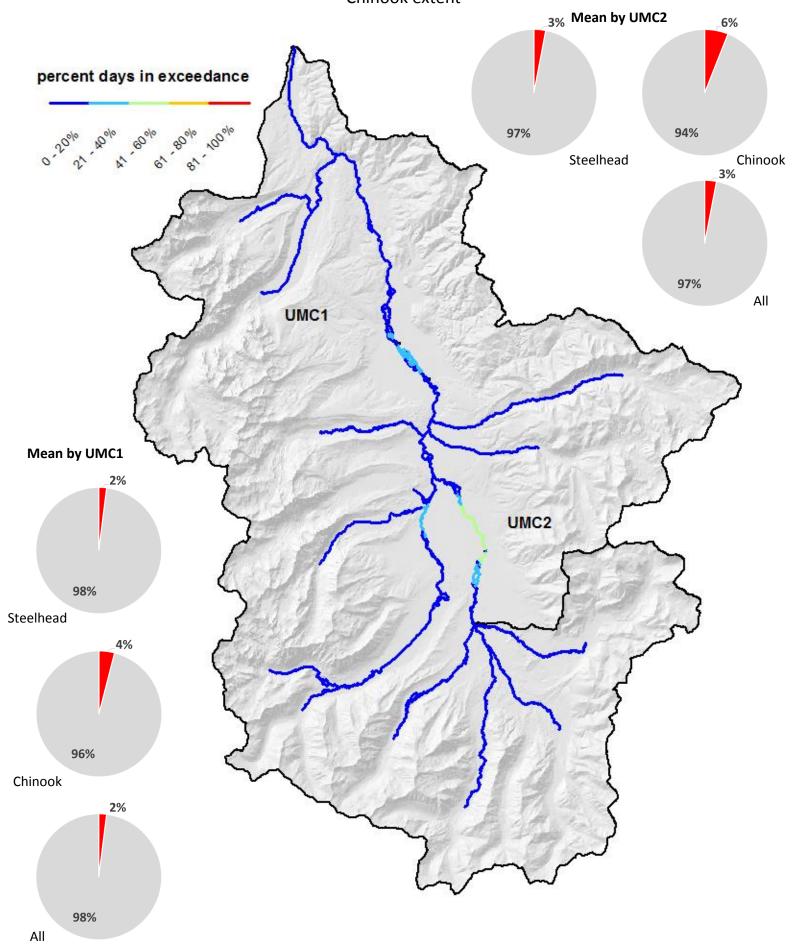
Percent summer days (20 July – 31 August) in exceedance of 18°C maximum stream temperature Chinook extent



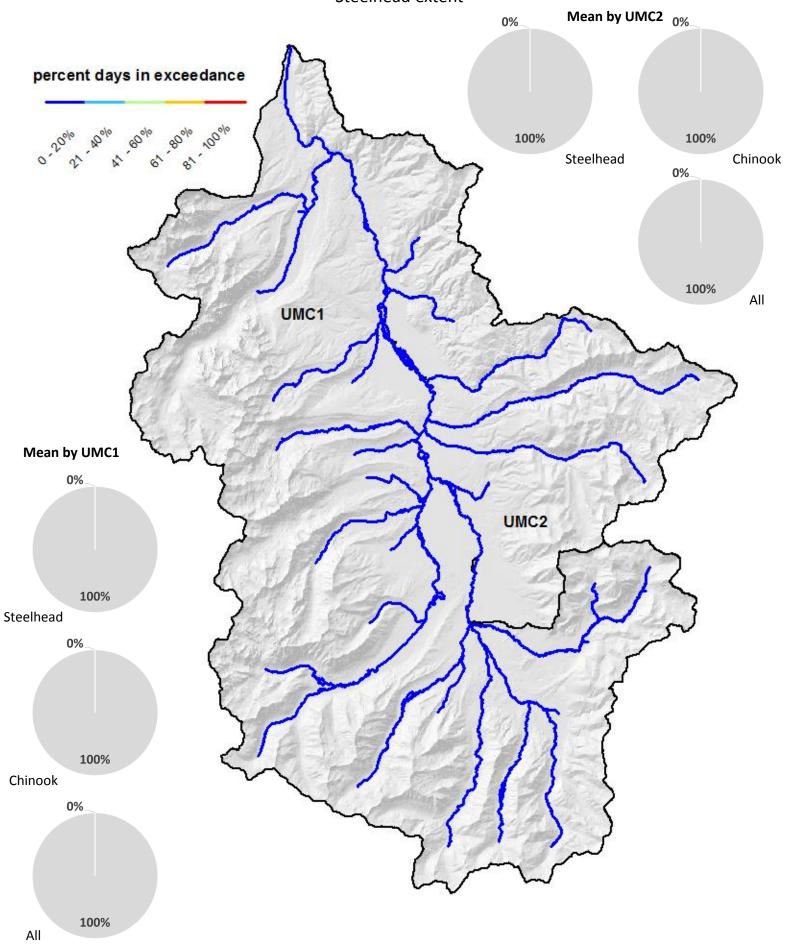
Percent summer days (20 July – 31 August) in exceedance of 20°C maximum stream temperature Steelhead extent



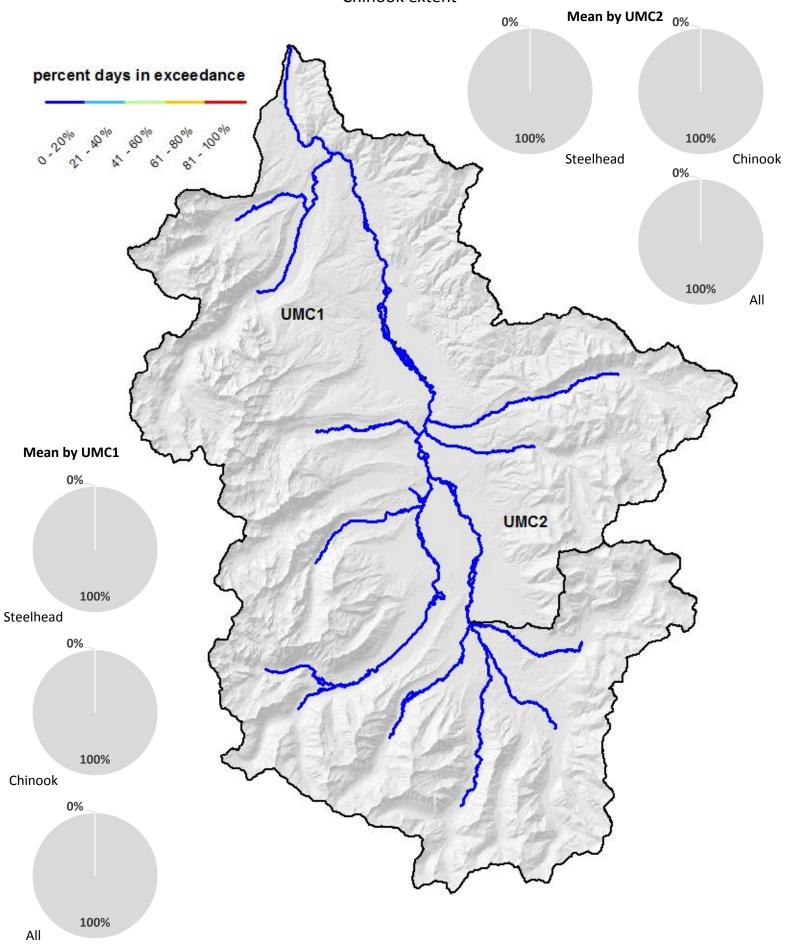
Percent summer days (20 July – 31 August) in exceedance of 20°C maximum stream temperature Chinook extent



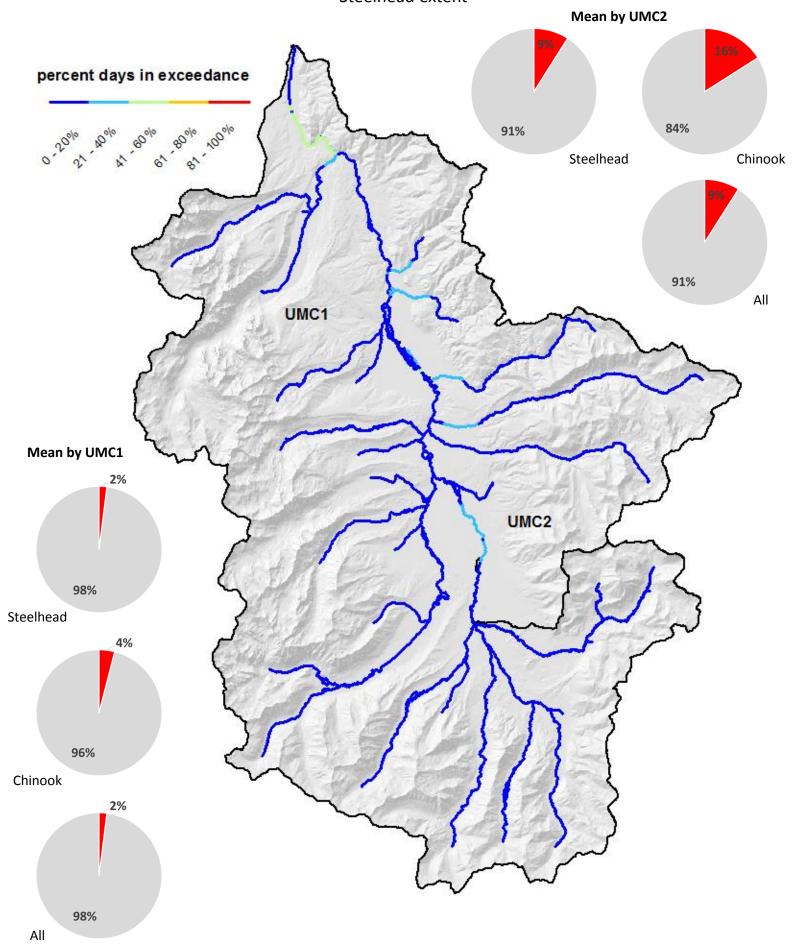
Percent summer days (20 July – 31 August) in exceedance of 22°C maximum stream temperature Steelhead extent



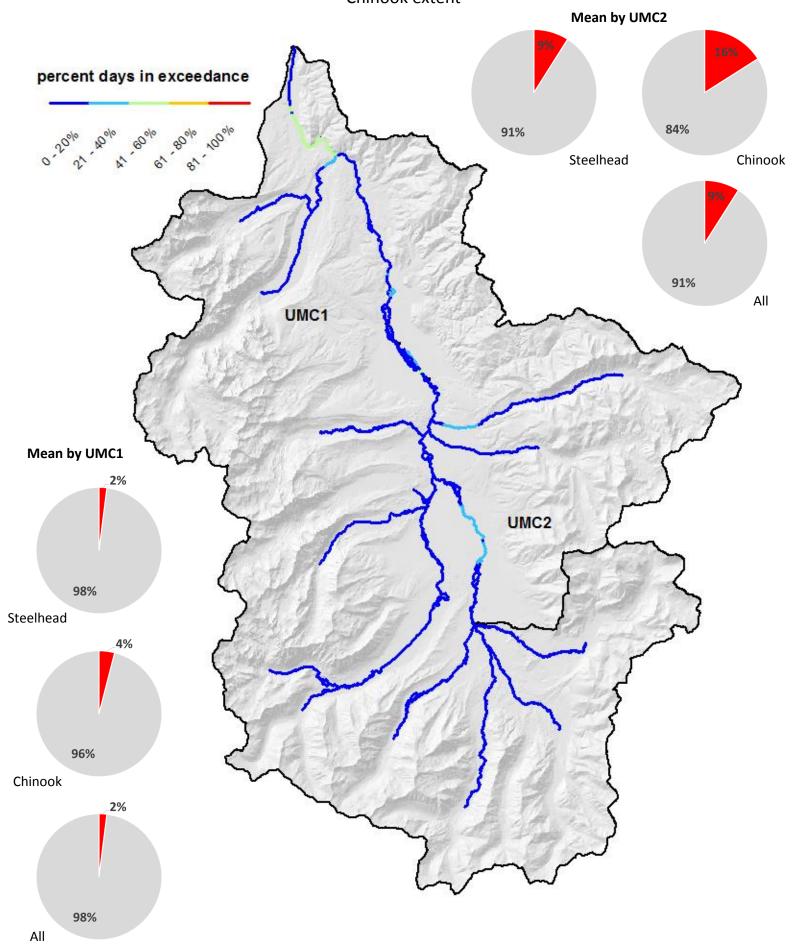
Percent summer days (20 July – 31 August) in exceedance of 22°C maximum stream temperature Chinook extent



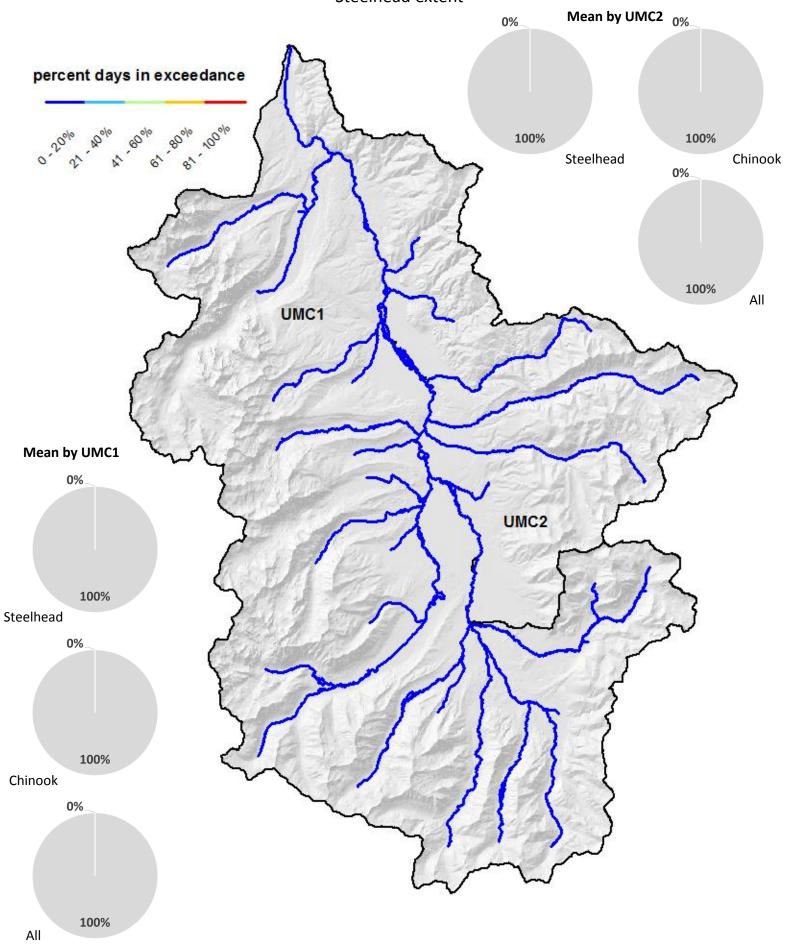
Percent summer days (20 July – 31 August) in exceedance of 18°C maximum stream temperature Steelhead extent



Percent summer days (20 July – 31 August) in exceedance of 18°C maximum stream temperature Chinook extent



Percent summer days (20 July – 31 August) in exceedance of 20°C maximum stream temperature Steelhead extent



Percent summer days (20 July – 31 August) in exceedance of 20°C maximum stream temperature Chinook extent

