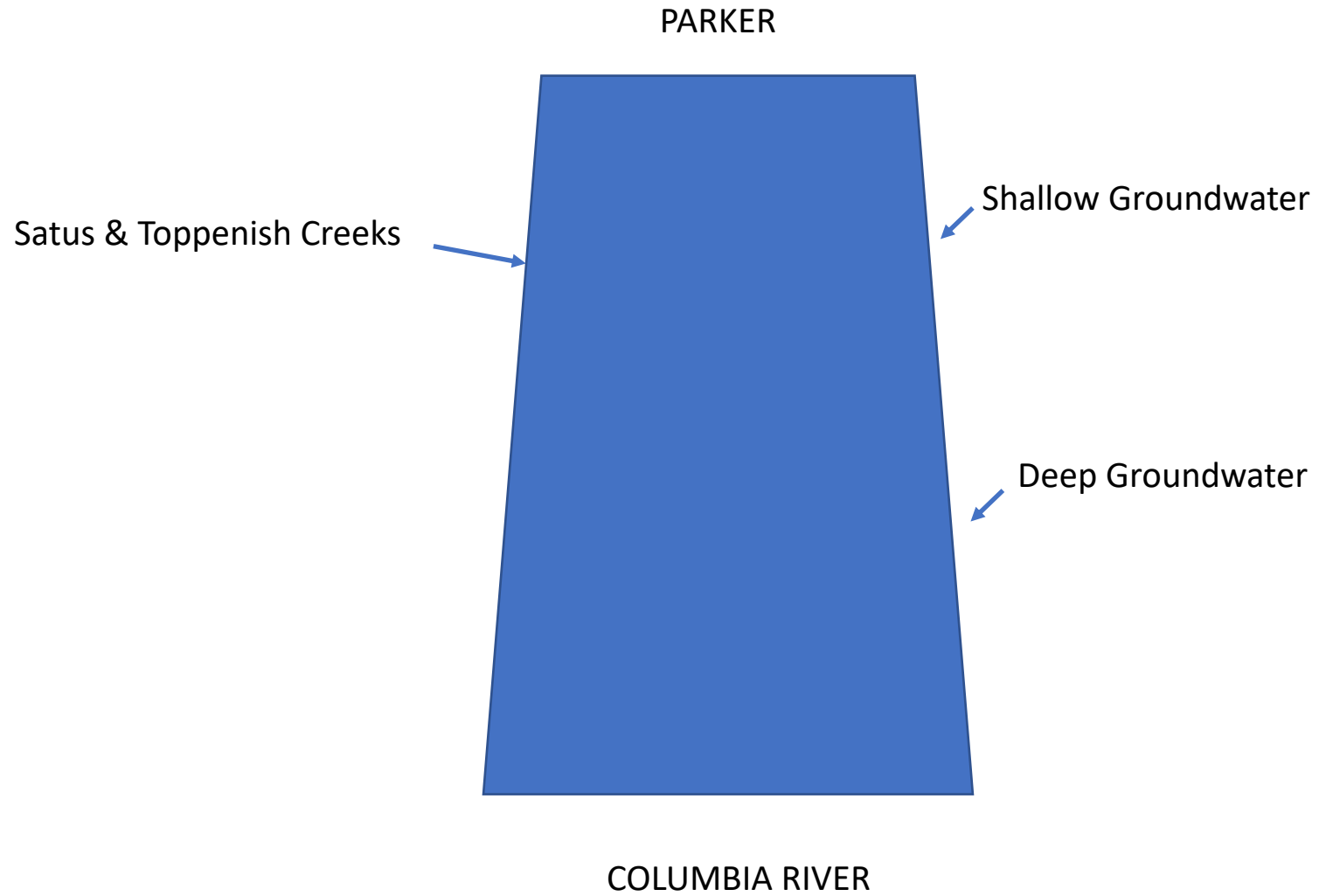


A History of the Lower Yakima

in Trapezoids

in late June...

Pre-Irrigation



1880-1930

PARKER

Satus & Toppenish Creeks



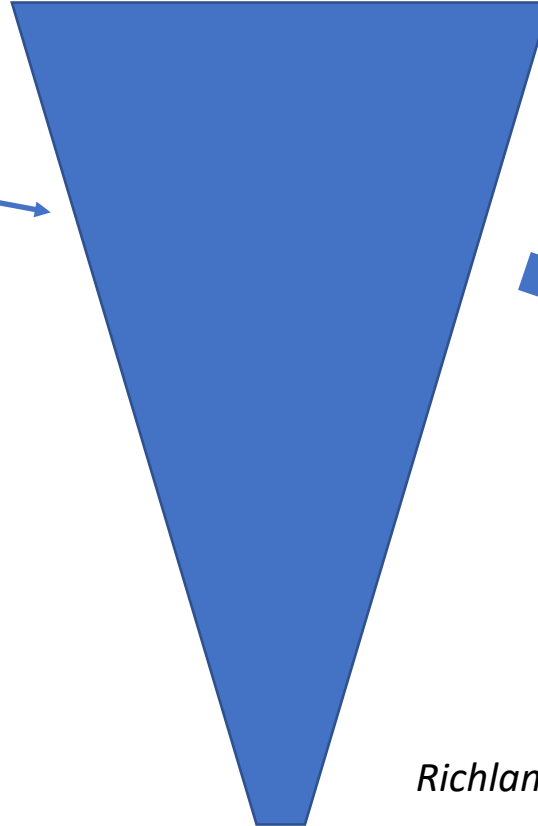
IRRIGATION
WITHDRAWALS

Loss of summer run fish

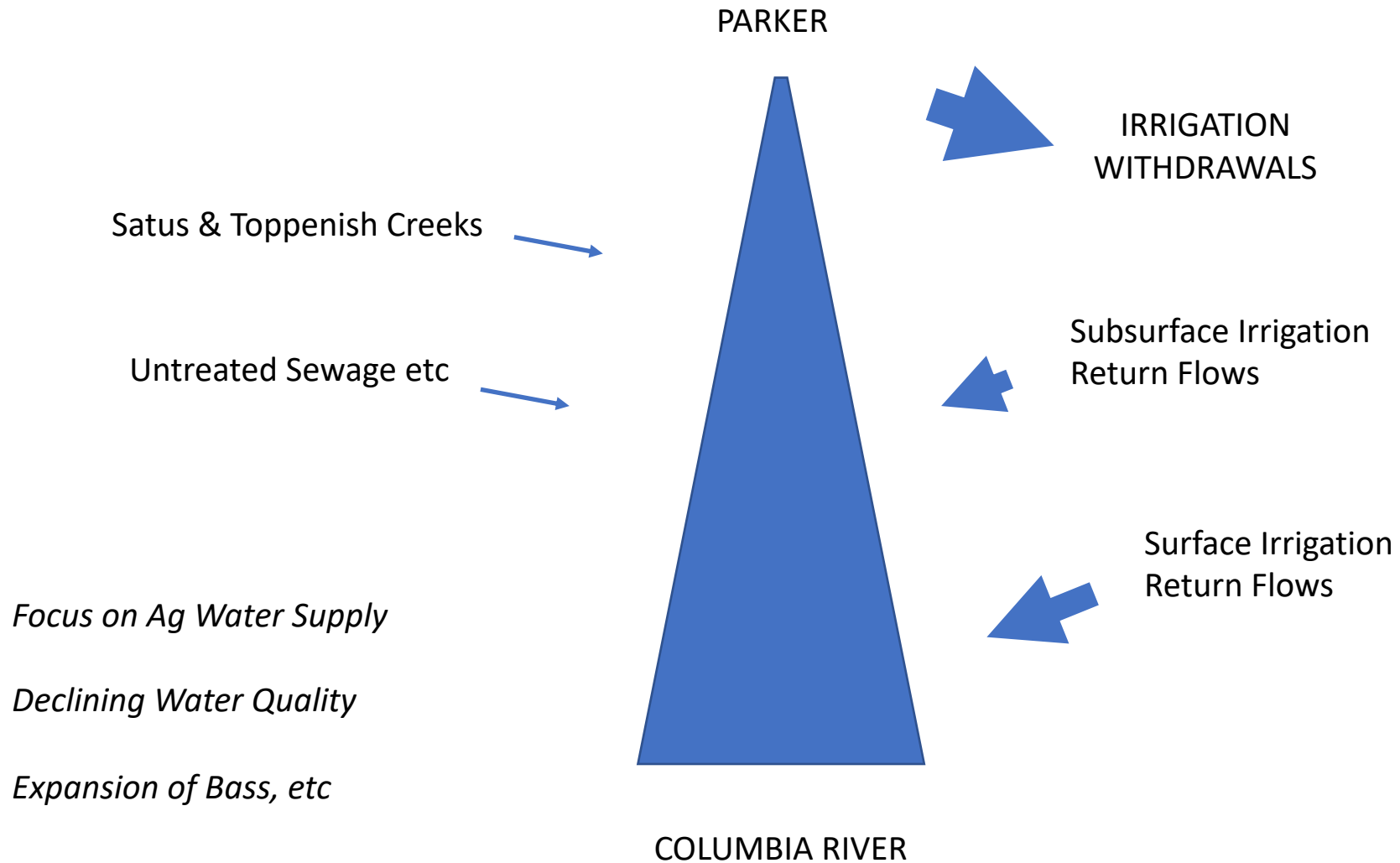
*Loss of smolts into
irrigation systems*

Richland Wastage Gage!

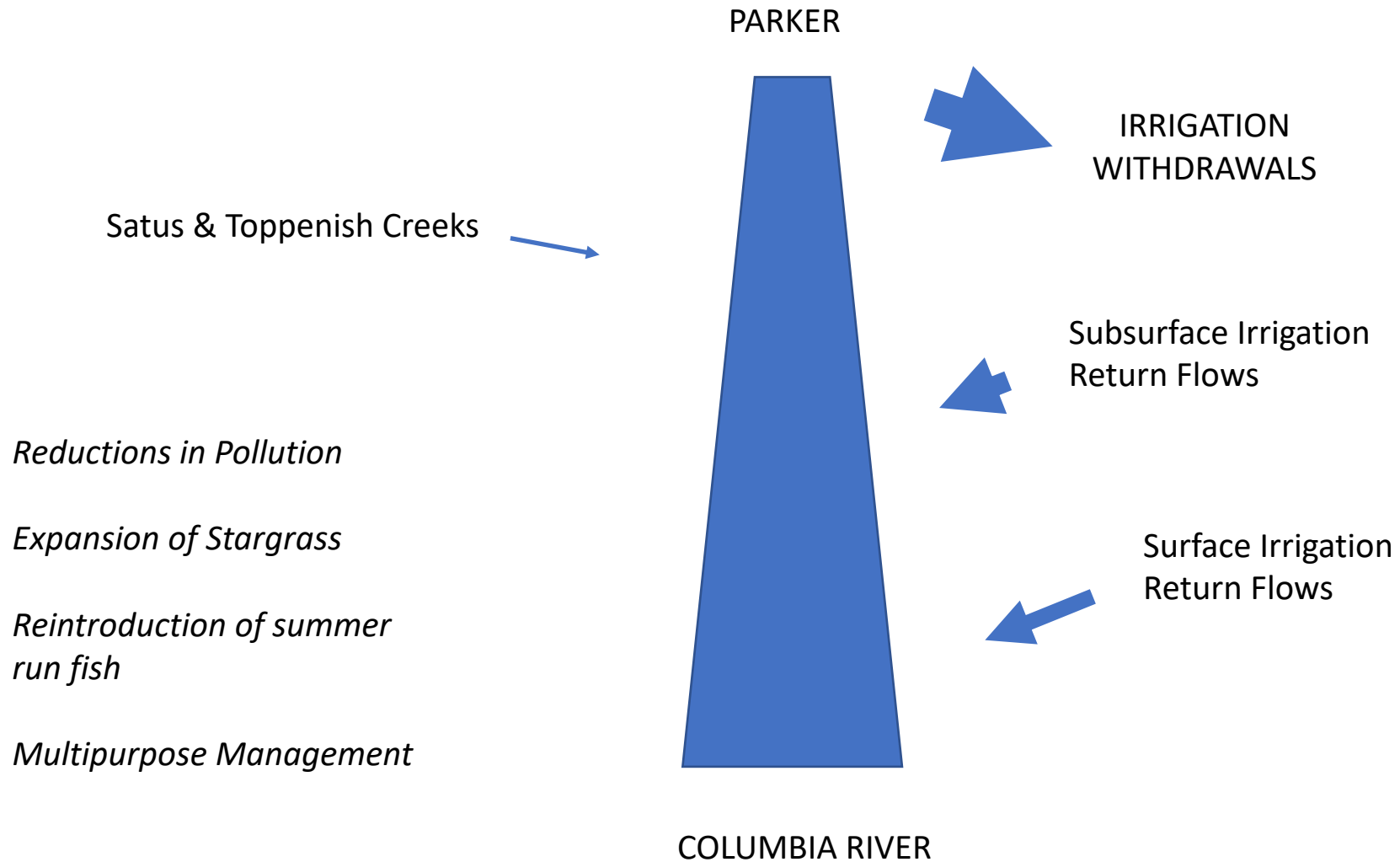
COLUMBIA RIVER



1930s to 1980s



The Modern River



Context for our work today...

- Strong effort to characterize & address water quality since the 1980s
- Ongoing and accelerating work to secure and manage flows to support instream values
- Anadromous fish restoration work highlights need to understand how flow, infrastructure, water quality and predation interact to drive smolt survival
- Summer run salmon reintroductions highlights need to understand interaction of flow, climate change, water stargrass and water quality on adult migration windows