

CRO

Trust Water Right Case Studies

Taneum Canal Company
Winter Stock Conveyance Water

Taneum Canal Company (TCC) Background

- Flow in Taneum Creek decreases drastically by mid-June.
- TCC obtains supplemental water from KRD.
- TCC has 82% of Taneum Creek rights:
 - Feb 20 – Nov 15
 - Irrigation, Stock and Conveyance = 80.0 cfs
 - Nov 16 – Feb 19
 - Stock and Conveyance = 30.0 cfs

Background Continued

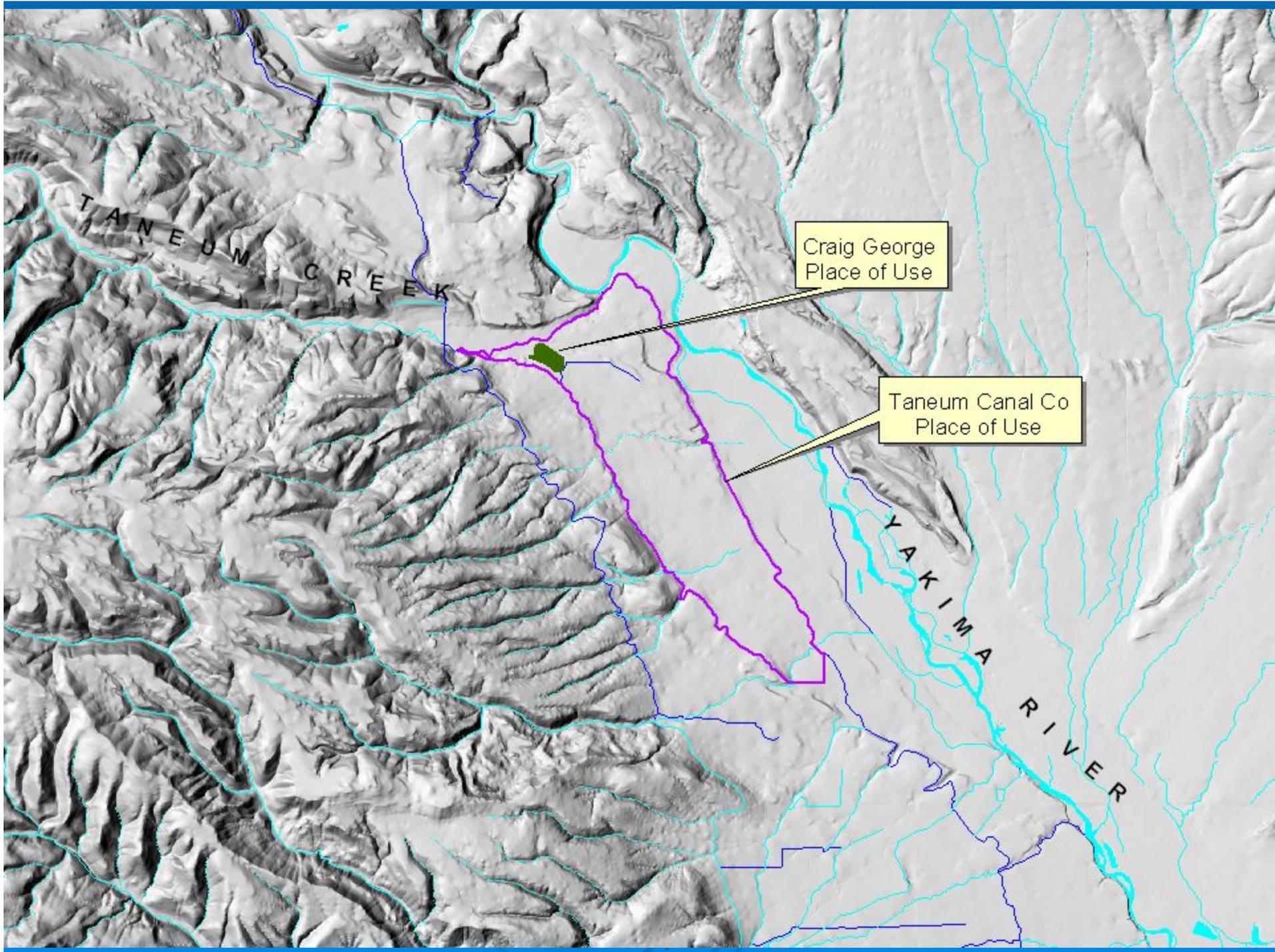
- Taneum Creek flows diminish in mid-June to the extent that:
 - Habitat has degraded in the lower reaches.
 - Winter-spring upstream migration of ESA-threatened Winter Steelhead is limited.
 - Taneum Creek was cited for Water Quality Standards Non-Attainment for minimum flows and temperature standards by Ecology.

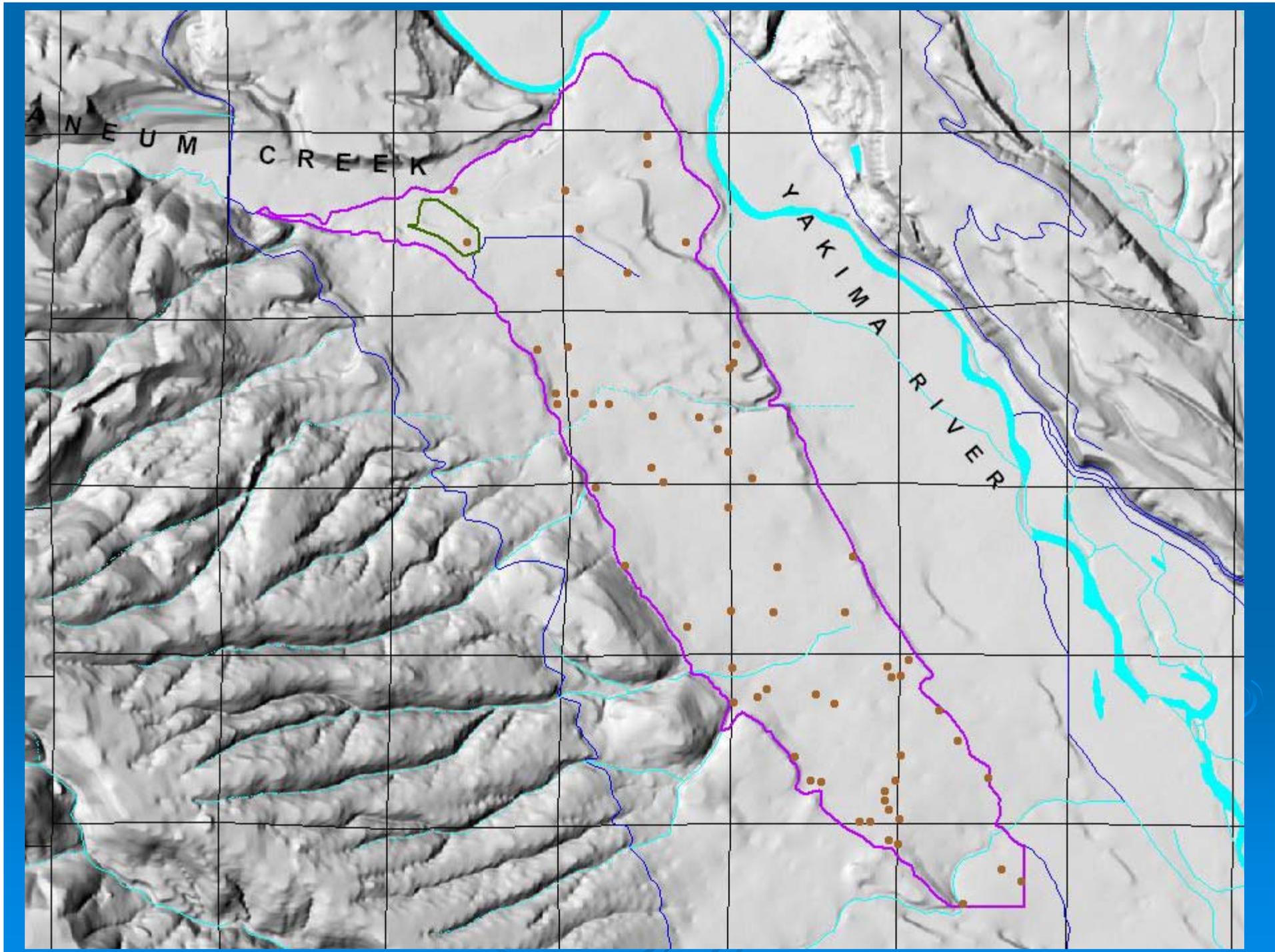
Taneum Canal Company Project Proposal

- Transfer all stock water from Taneum Creek to ~65 wells for consumptive TCC stock water use, including a privately held water right delivered through the TCC ditch.
- Decrease irrigation diversion rate by 0.06 cfs to account for stock water use from wells during irrigation season (30 ac-ft over 269.25 days = 0.06 cfs)
- Place TCC's 28.8 cfs winter (November 16 through February 19) conveyance water in trust perpetually.

Taneum Canal Company Project Proposal Cont'd.

- Re-watering the lower reaches of Taneum Creek will:
 - Facilitate the migration of Steelhead Salmon (ESA threatened).
 - Improve habitat for Spring Chinook, Coho Salmon and Bull Trout.
 - Improve Taneum Creek's water quality by increasing flows and possibly raising temperature.





Conclusion

- One Trust Water Right Created
 - CS4-00411CTCL@2
 - 63 wells approved to supply stock water portion of Court Claim No. 00411.
 - 28.8 cfs perpetually in TWRP (Nov 16 – Feb 19)
- One Point of Diversion Change
 - CS4-01259CTCL
 - Craig George approved to supply stock water from well.
- The ~12-mile primary reach is comprised of the lower 2.4 miles of Taneum Creek and the Yakima River from river mile 166.1 to 156.3.
- No secondary reach.

