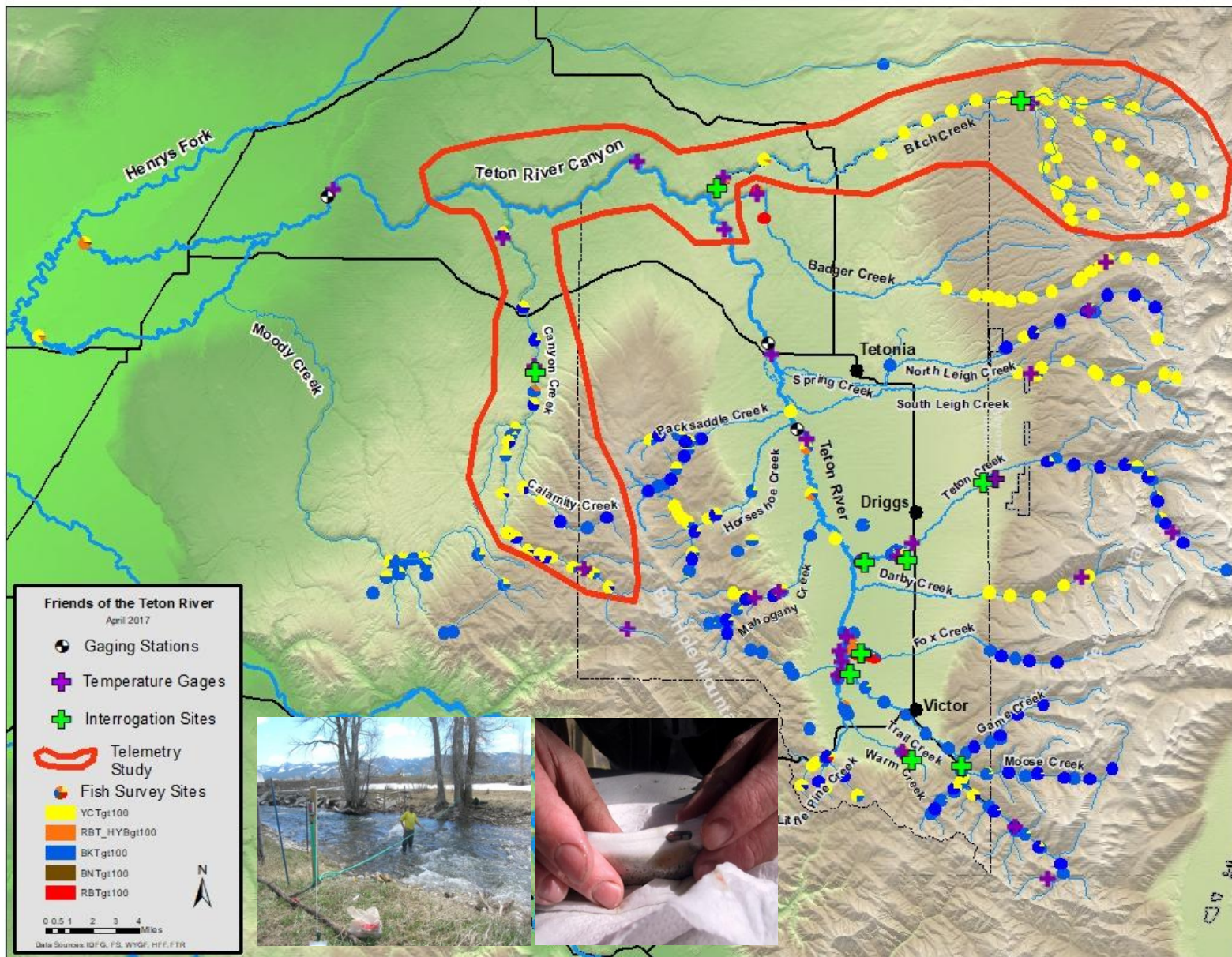


RECONNECTING CANYON CREEK UPDATES



Canyon Creek, a YCT stronghold



RECONNECTING CANYON CREEK PROJECT TIMELINE

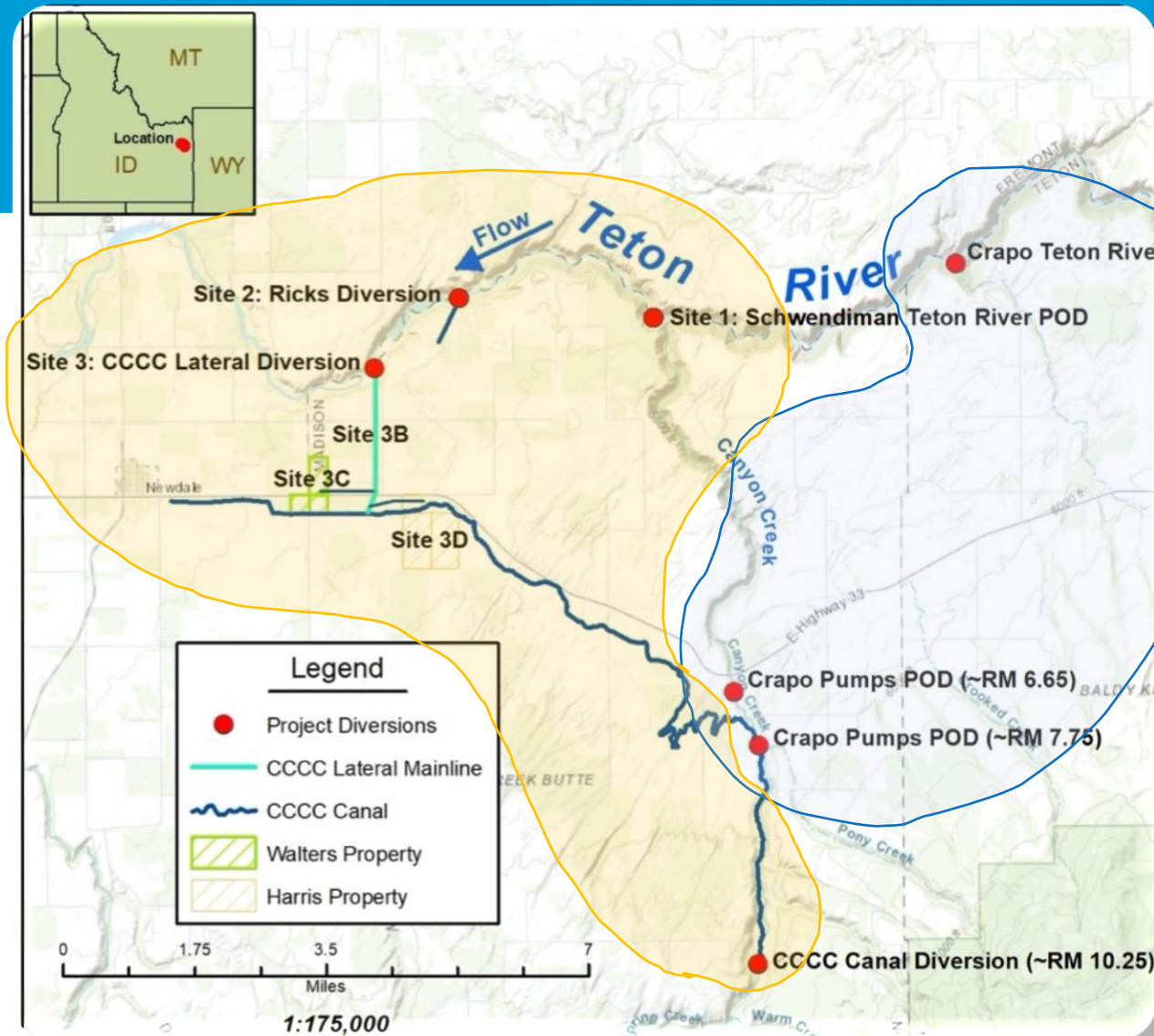
- WaterSMART Planning grant (2019-2021) \$200K
- CBWTP Flow Restoration Pilot (2022-2024) \$285K
- WaterSMART EWRP, NFWF America the Beautiful Challenge Grant for Phase 1 (2022-2024) \$4.5M
- Seeking Funding for Phase 2 (currently) \$5.5M

PROJECT OVERVIEW:

PHASE 1

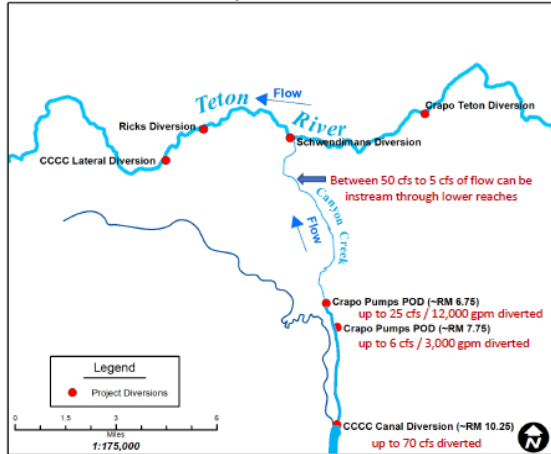
- Work with 10 of 11 Canyon Creek Canal Irrigators
- Replace 3 pump stations/POD's
- Replace 30" steel mainlines and PVC conveyance lines (~20,000 feet each).
- Close the 14 mile canal.

PHASE 2

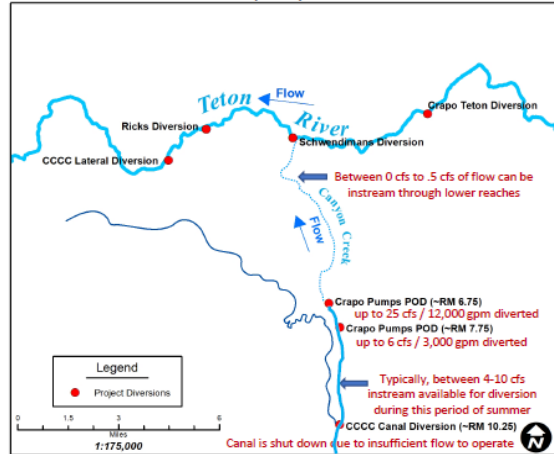


Canyon Creek Pre-Project Streamflow

April-June

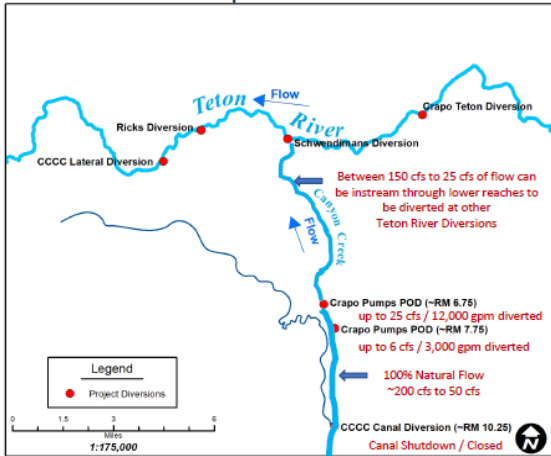


July-September

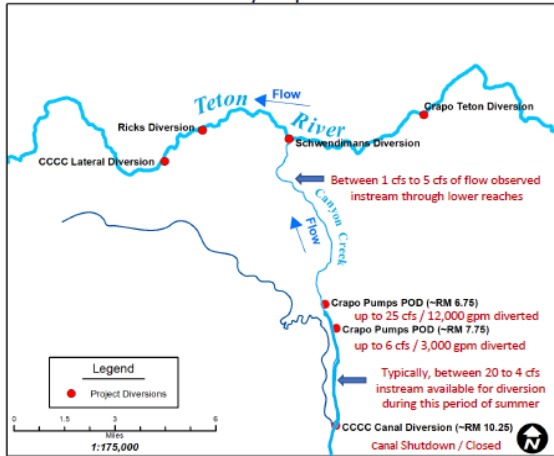


Canyon Creek Post-Project Streamflow

April-June



July-September



PHASE 1 PROJECT BENEFITS:

- Restore 10,680 acre-feet annually (up to 70 cfs) of water in Canyon Creek
- Additional water savings of 4.75 cfs and 7-10 more irrigation days without storage water.
- Effectively rewater ~3 miles to the lower Skyline pumps most of the irrigation season within a 40+ mile drainage.
- Water right transfer complete and telemetry flow gage installed.
- Ecosystem benefits – fish passage and entrainment, wildlife, stream shading, flood resilience.



SCHWENDIMAN PUMP CHANNEL RECONSTRUCTION

SCHWENDIMAN'S PUMP STATION CONSTRUCTION



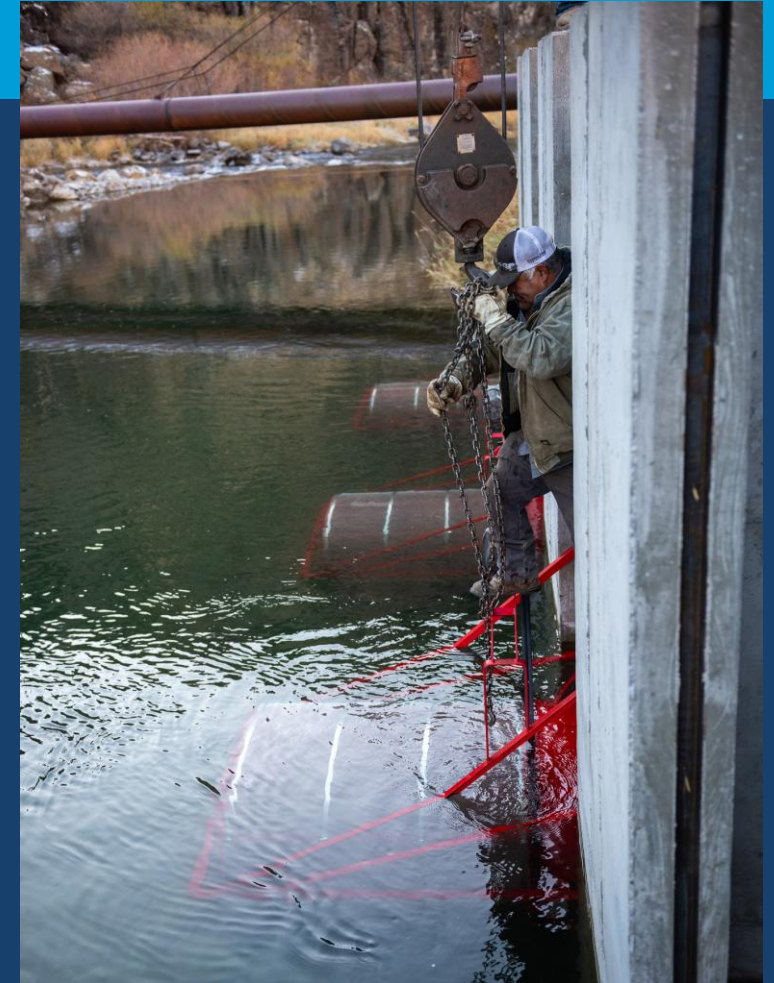
Old Station Coming Out



New Station



SCHWENDIMAN



New pumps and fish screens

INSTALLATION OF 36" STEEL MAINLINE (10, 460 FT)





CANYON CREEK LATERAL POD
LOCATED DIRECTLY BELOW TETON DAM

NEW BOOSTER STATIONS



INSTALLATION OF TELEMETRY GAGE ON CANYON CREEK



PHASE 1 COMPLETE!



- Beaver are returning.
- Observation of increased spawning redds and pairs.
- Most recent data indicate YCT densities of 1,200 fish/km near the Canyon Creek confluence (350 YCT/km in 2015). This will be repeated this summer during the watershed wide assessment.

FTR Hosted an Agency field tour in October 2025



Detailed Science Review and Cost-Benefit of FTR's projects in the pipe...
and the "survey said"...

GO FOR IT.

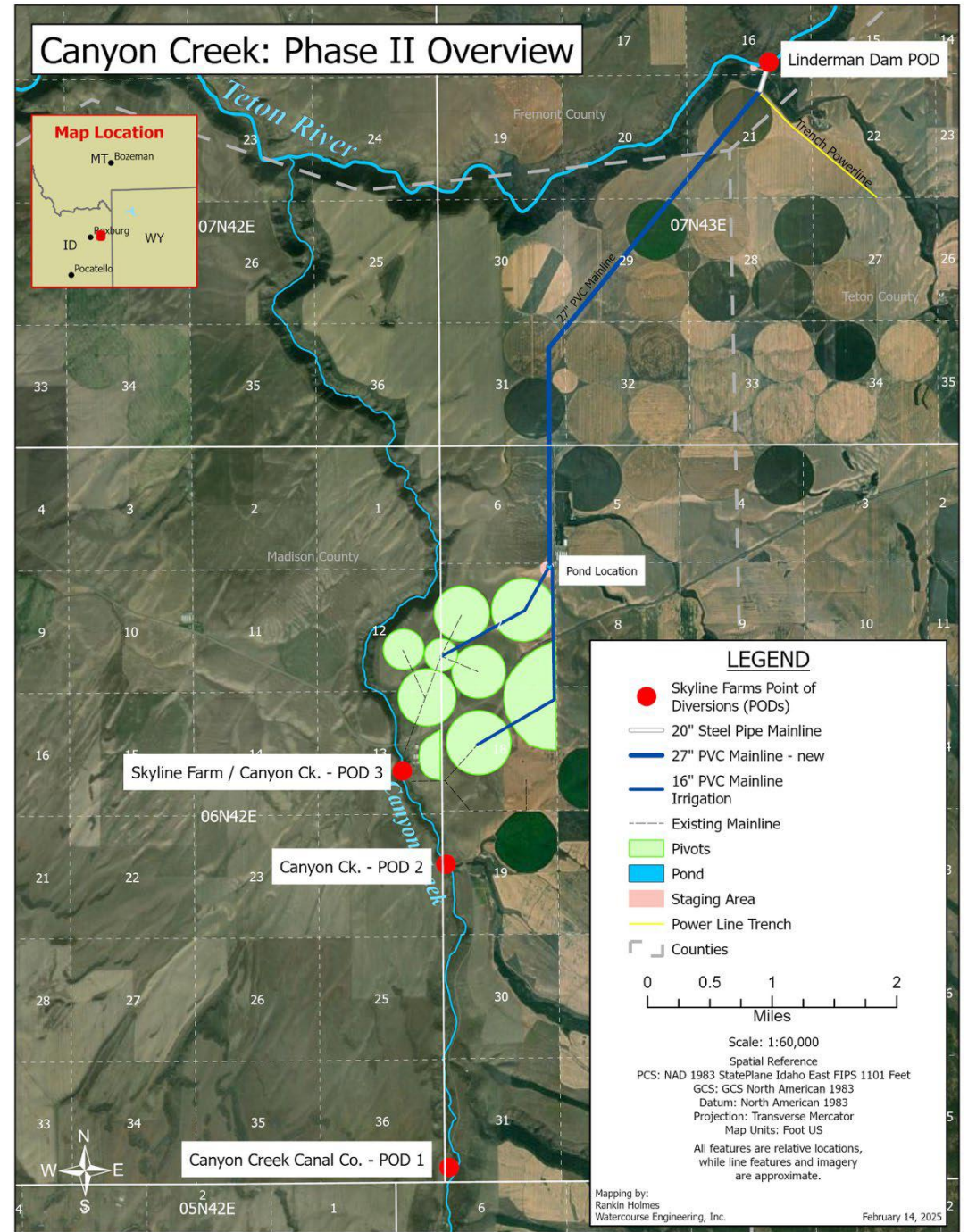
PHASE 2: \$5.5 M

Work with remaining irrigator to complete a source switch from Skyline's pumps on Canyon Creek of 17.4 cfs (7,800 gpm) or 75% of their Canyon Creek water right moved to the Linderman POD site.

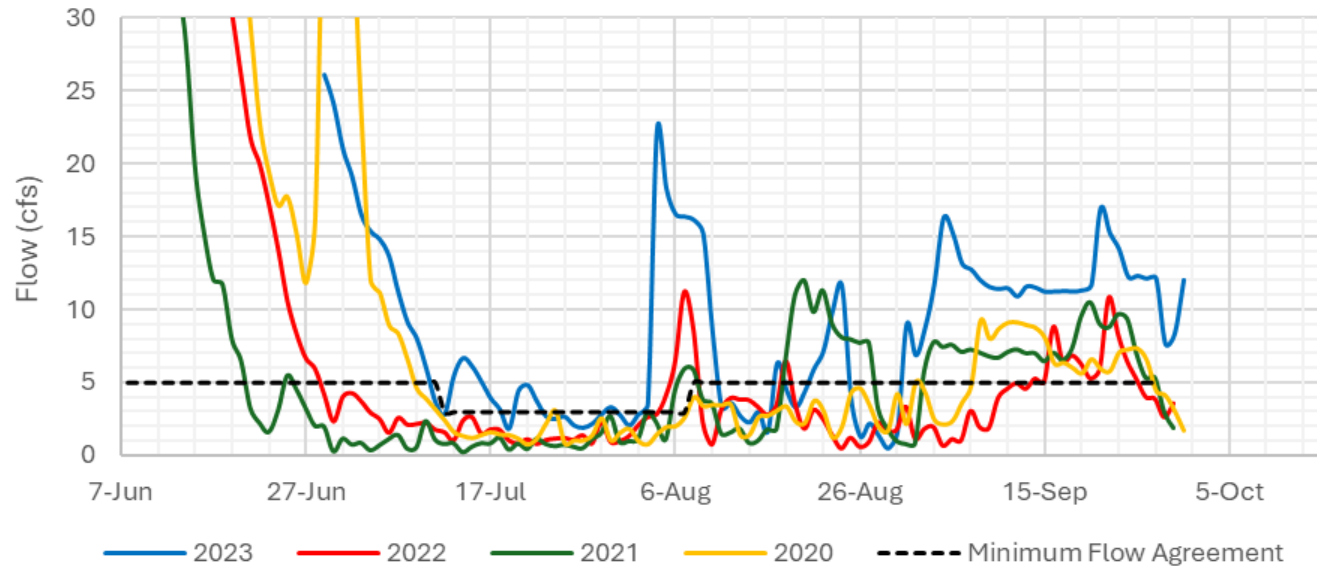
Make improvements to pumps and lines to accommodate the water right and conveyance.

Enter into a minimum instream flow agreement for the lower ~6.65 miles to maintain 3-5 cfs instream late summer July 15-August 15 (tested over a 3 year period as sufficient to maintain connection and passage for trout).

Increased ecosystem benefits including fish passage, water quality (temp) and improved riparian vegetation/flood benefits on ~80 acres.

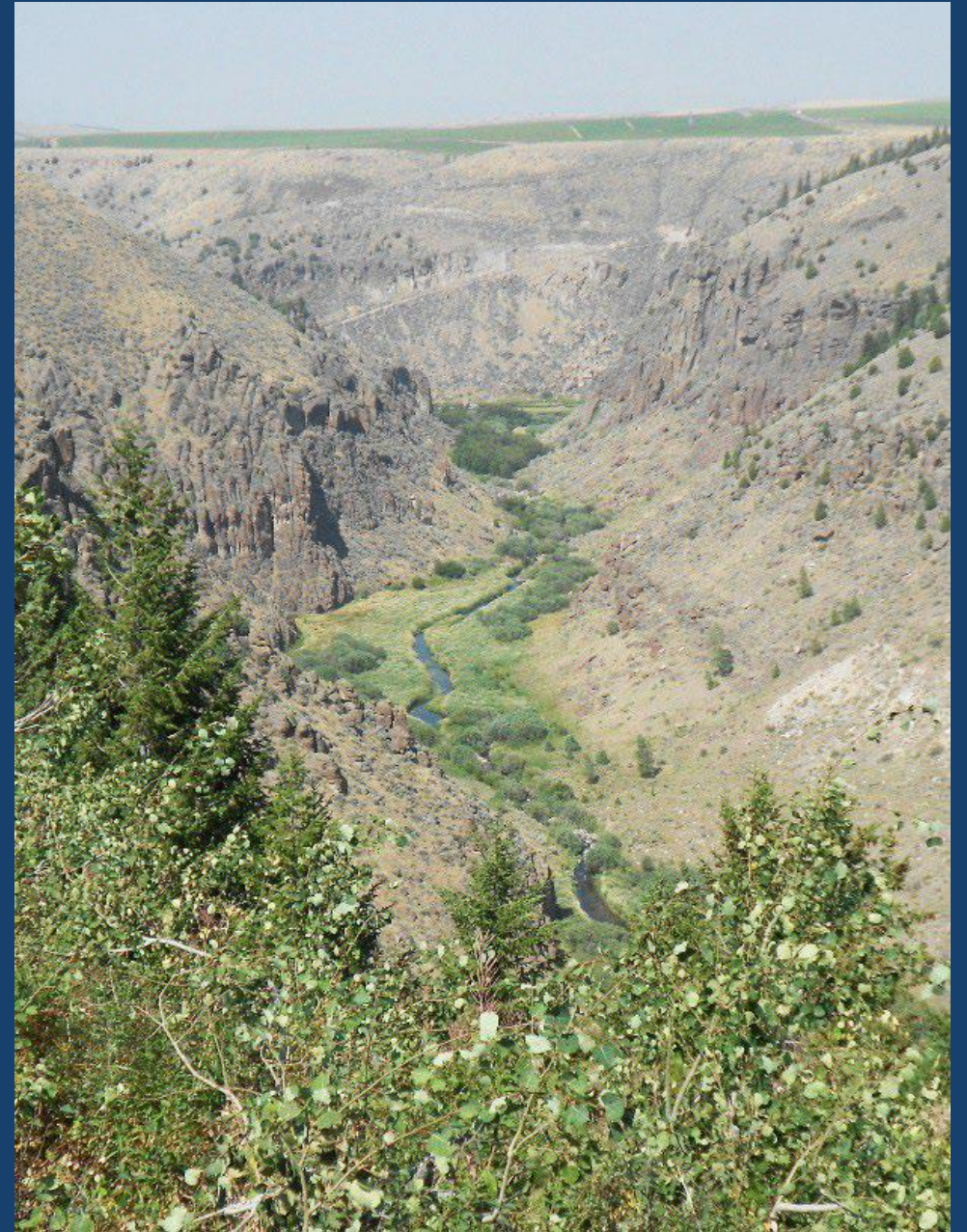


Canyon Creek Site 3: Flow (cfs) 2020-2023



Baseflows in the 6.65 mile reach will be 200-300% greater than current conditions, or 3-5 cfs during the minimum instream flow period.

(The increase needed during the minimum summer period is 150 acre-feet of water).



Map 1: Linderman Dam Site / Skyline Farm POD

Linderman Dam pumpsite: winter 2025
photo source: Conn Crapo

Skyline Farm / Linderman Dam pumpsite
located on diversion channel: Two 600 HP
Pumps and motors will be installed in the two
empty pump-bays shown above.

One new pump-bay will be built and
added on to the southern-end of this
line of pump-bays with a third 600 HP
pump and motor wired into the new pump-bay.

- Three new 600 hp pumps
- 1,400 feet of 20" mainline on Canyon Rim
- New power line (9,000 linear feet)

LEGEND

- Skyline Farms Point of Diversions (PODs)
- 20" Steel Pipe Mainline
- Staging Area

0 90 180 360
US Feet

Scale: 1:1,750

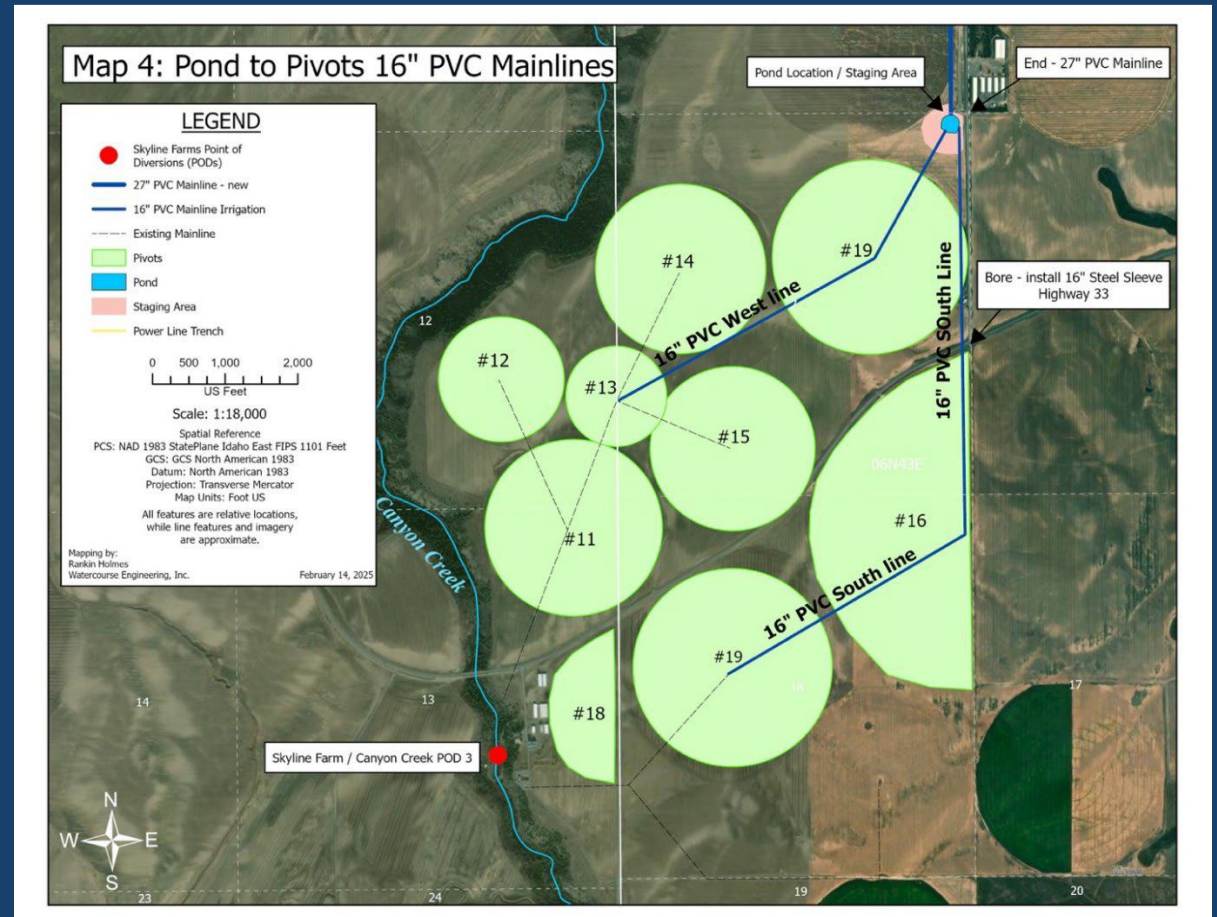
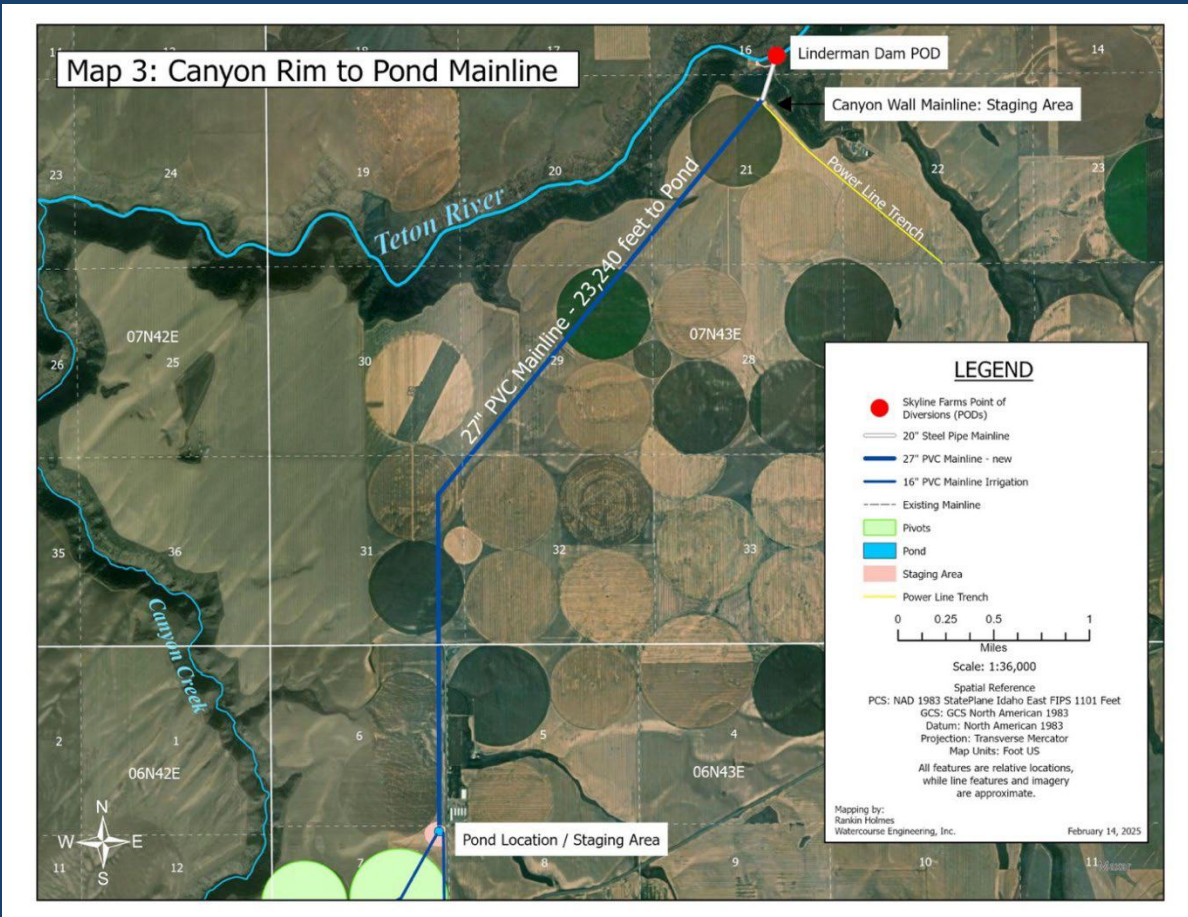
Spatial Reference
PCS: NAD 1983 StatePlane Idaho East FIPS 1101 Feet
GCS: GCS North American 1983
Datum: North American 1983
Projection: Transverse Mercator
Map Units: Foot US

All features are relative locations,
while line features and imagery
are approximate.

Mapping by:
Rankin Holmes
Watercourse Engineering, Inc.

February 14, 2025





- 23,250 feet of mainline to pond staging location
- 2 new 250HP booster pumps
- 1,900' 3,700' and 2,500' of PVC irrigation line to pivots

SKYLINE PUMP STATION

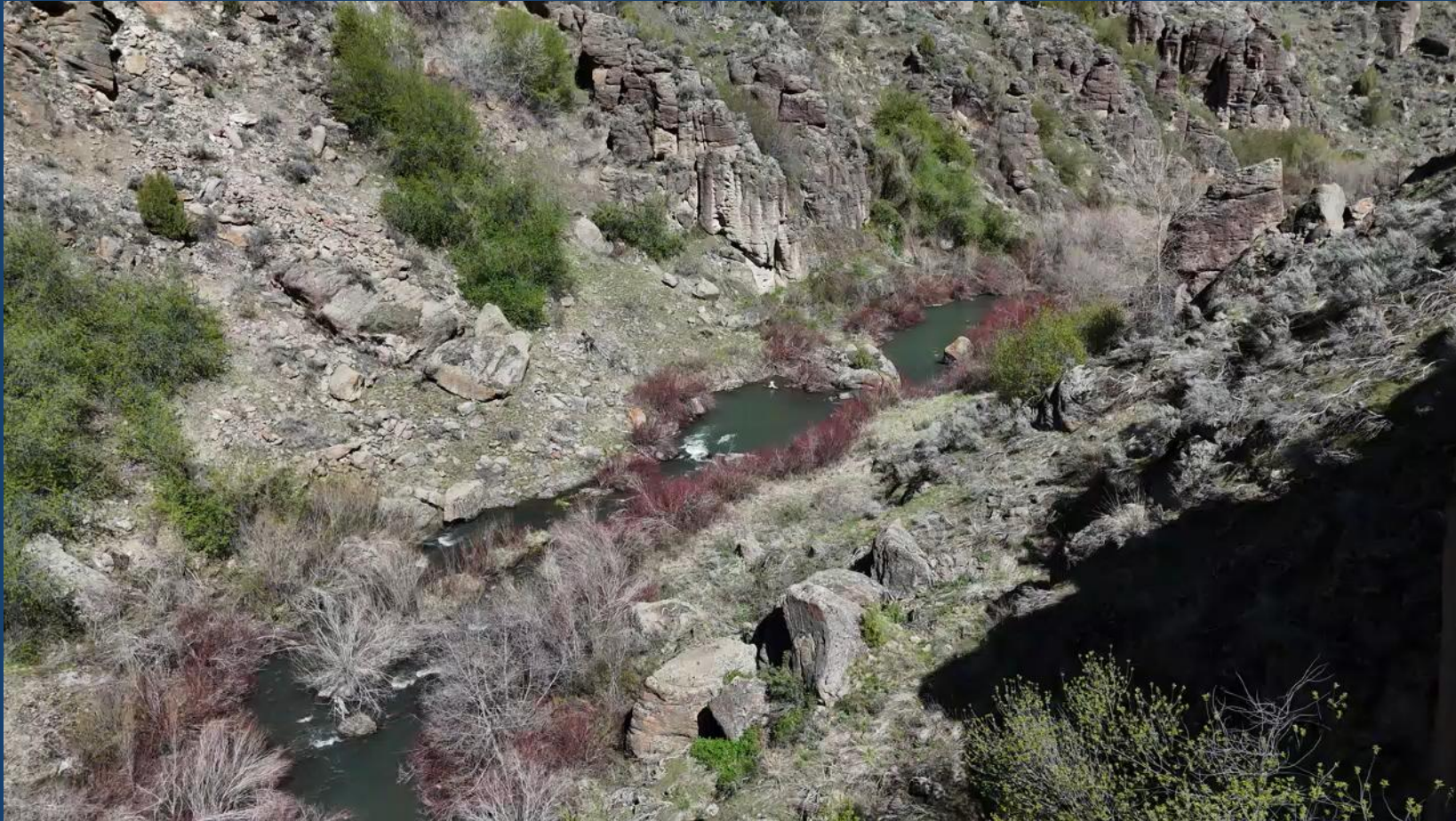


eDNA results show rainbow presence up to this “upper” pump station.

Reconnection is the priority and we will monitor RBT & decide how to manage.

This is a potential location for a “BLT” Barrier-Ladder-Trap.

2025 Trib Trout Assessment will give us useful data on how to move forward.



What next?

This project is ready to go and is dependent on securing adequate funding.

Questions?

Anna Lindstedt,
Grants Director
anna@tetonwater.org