TEMPERATURE MONITORING 1997-PRESENT
64 SURFACE & 21 GROUNDWATER WELLS CURRENTLY MONITORED FOR TEMPERATURE
LOGGER TYPES
TEMPERATURE MONITORING INSTALLATIONS
Monitor restoration work pre and post construction
Detect change in temperature (diel & seasonal)
Support project development and meet project goals
Correlate with fish use

OBJECTIVES
PROJECT MONITORING

Saaxsaaxinma – Kingfisher Catherine Creek floodplain restoration
7 day average daily maximum stream temperatures at an alcove and the main stem of Catharne Creek at the Southern Cross fish habitat restoration project for June 2016 mid-January 2018. Note inverse relationship between temperatures and preferred ranges for juvenile salmonids (10-15°C).
COLD WATER ANALYSIS

- Cold water present in project area &
- Correlated with fish use
LONGITUDINAL TEMPERATURE PROFILE

UGR_temp_profile
Temp_C
21.83000 - 22.33300
22.33300 - 22.71700
22.71700 - 23.10000
23.10000 - 23.48400
23.48400 - 24.06000
24.06000 - 24.64100
24.64100 - 25.31900
USFS Boundary
Major_Rivers_and_Tribs
StreamName
Fly_Creek
- Grande Ronde River

Flow

GRANDE RONDE RIVER TEMPERATURE PROFILE 8/29/2017
SELECT GROUNDWATER TEMPERATURE FROM BIRD TRACK SPRINGS
MCCOY AND MEADOW CREEK GROUNDWATER TEMPERATURE
Monitor surface water discharge and temperature at Rock Creek Longley Meadows and Bird Track

Prioritize temperature monitoring to fit within constraints of budget and time

Update loggers and test new technology

Assist ongoing research efforts in temperature/restoration relationships