



Andrea Buxton Stormwater Program Manager

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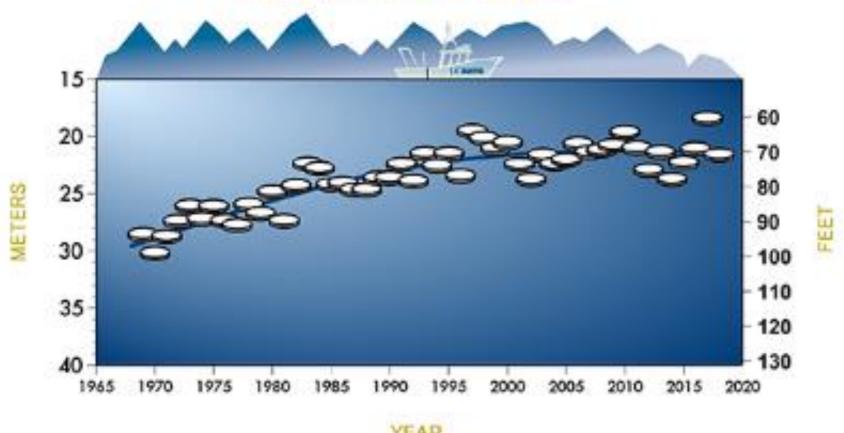






Clarity measurements at Lake Tahoe

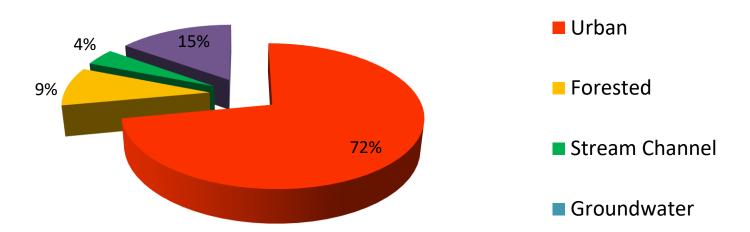
ANNUAL AVERAGE SECCHI DEPTH





Source of clarity loss

Fine Sediment Particles (FSP) % Contribution per Pollutant Source Category

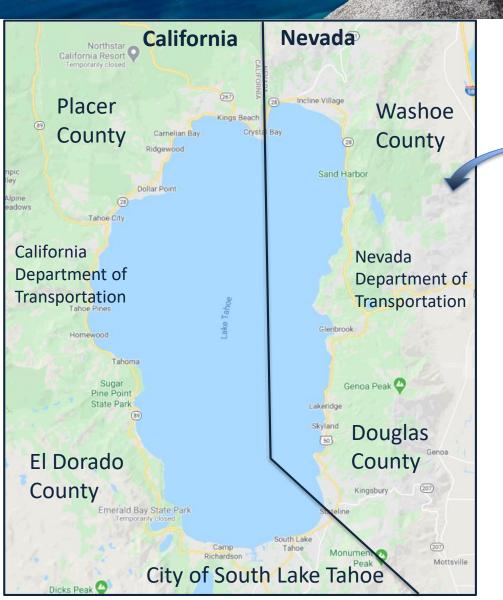


The TMDL is a 65-year plan to restore clarity to 100 feet!









Lake Tahoe



CONSER

Regulatory Agencies

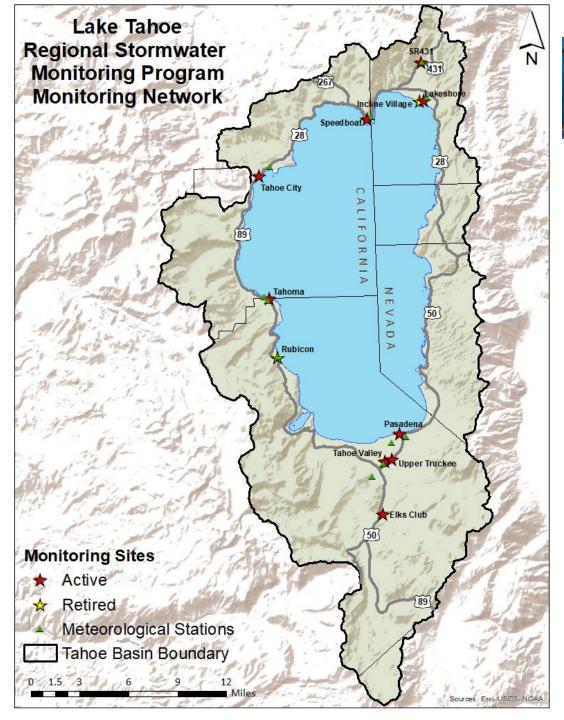
- Lahontan Regional Water Quality Control Board
- Nevada Division of Environmental Protection

TAHOE RCO ZEROO CONSERVATION

RSWMP

- All stormwater from 7 jurisdictions runs into the lake.
- All 7 permits require stormwater monitoring.
- Collaboration results in efficiency
 - Reduced costs
 - Consistent data collection and analysis methods
 - Comparable data sets







Stormwater Monitoring Locations

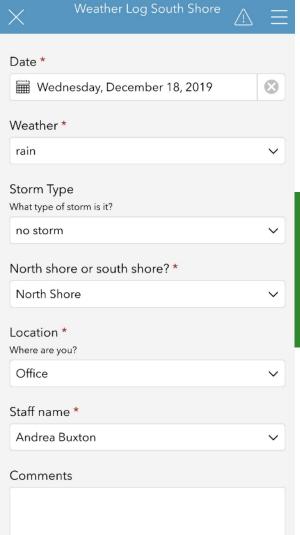
- 11 active monitoring locations
- 7 active meteorological stations

Data Collected

- Continuous flow
- Continuous turbidity
- Water quality samples during storm events
 - Total Nitrogen
 - Total Phosphorus
 - Total Suspended Sediment (TSS)
 - Particle Size Distribution (for FSP)
- Continuous precipitation
- Continuous temperature







Web Apps Handy tools for the field





LoggerLink by Campbell Scientific

Current TDock.Public ▼	Q	Ó
[Timestamp] 12/18/19, 12:50:16 PM		
Record Number	388	52
site_name	Tdock	>
batt_volt	11.8105	>
flow_cfs	0	>
stage_ft	0	>
ISCO_CurrentBottle	0	>
ISCO_Tu	1.46 NTU	>
Bypass_Lvl_ft -0.003	62861 feet	>
EventSampeMasterOnOff	False	>
EventSampleFlowInterval	2,000 cfs	>
EventSampleMaxTimeInterval	360	>
flag_manualBottleCollect	False	>





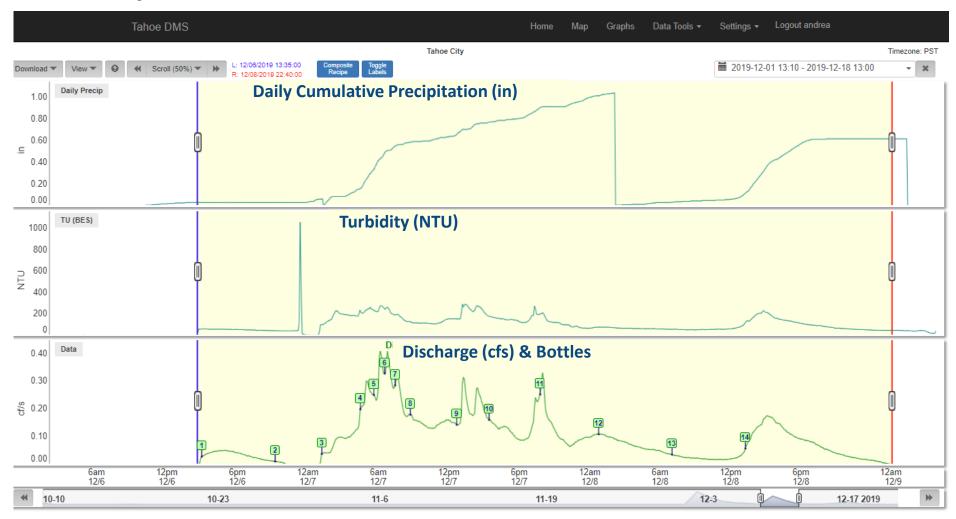






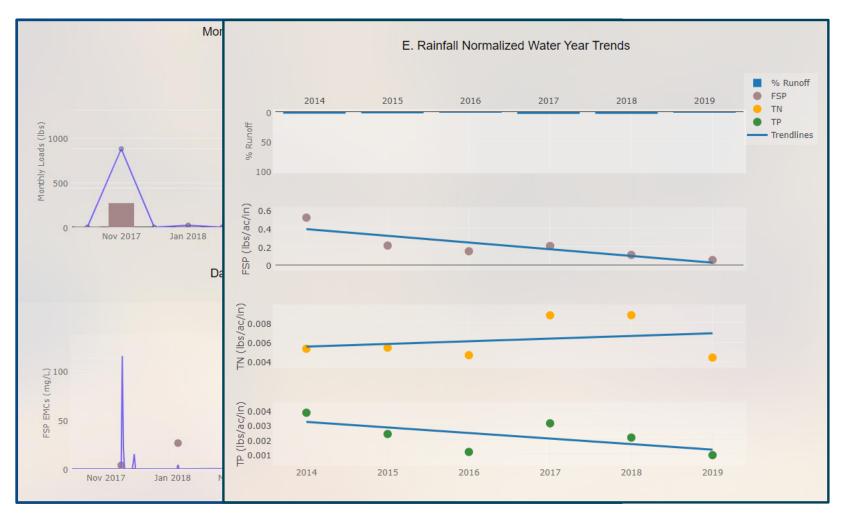
TAHOE RCD

Acuity Website for raw data and data tools





DMS Status and trends reporting



Annual Stormwater Monitoring Report Water Year 2019



Submitted to the Lahontan Regional Water Quality Control Board and the

Nevada Division of Environmental Protection

March 15, 2020



Annual Stormwater Monitoring Report

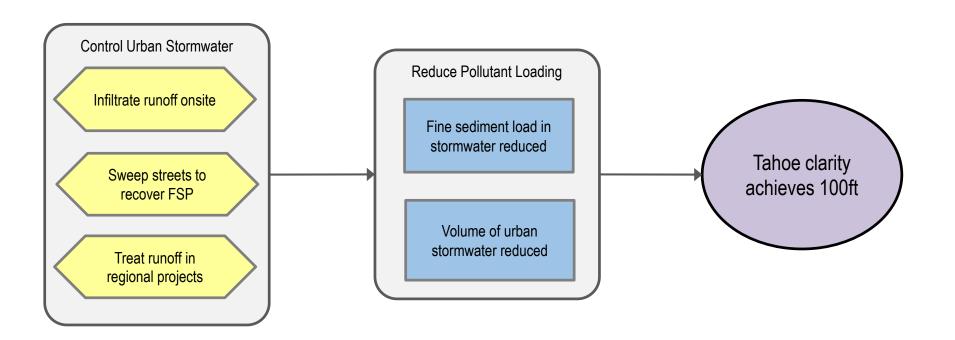
Submitted to:

- Lahontan Regional Water Quality Control Board (CA)
- Nevada Division of Environmental Protection (NV)

tahoercd.org



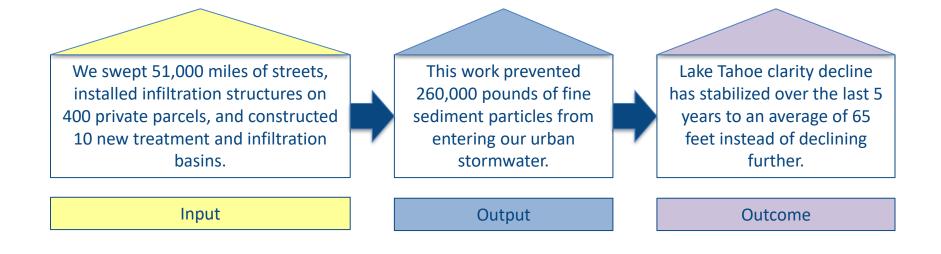
Stormwater Program Results Chain



Action or strategy (input) Intermediate result (output) Desired goal (outcome)



High Level Program Summary







Outreach and Education

- Pipekeepers Club
- Annual Tahoe Summit
- Earth Day
- K-12 Education
- UCD Science Expo







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