





What is a QAPP & Why Is It Important for CWSD?

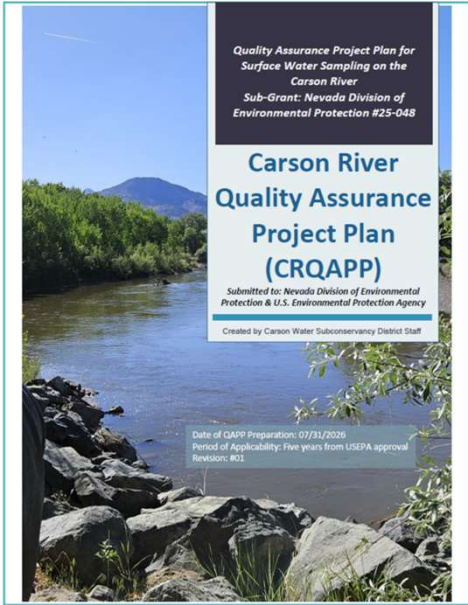
Understanding Quality Assurance in Water Quality and Environmental Data Collection

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What is a QAPP?

- A formal planning document for collecting environmental data.
- It outlines and plans for the who, what, when, where, why and how to collect, disseminate and verify environmental data.
- It documents Quality Assurance and Quality Control requirements.
- A United States Environmental Protection Agency (USEPA) requirement to ensure data accuracy, consistency, integrity and repeatability.



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Why is a QAPP important?

- Required by USEPA
- Plans Data Sampling
- Ensures Data Quality, Credibility and Validity
- Supports Decisions
- Meets Legal/Grant Rules
- Builds Trust
- Leads to better on-the-ground solutions



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Why does CWSD need an approved QAPP?



- An NDEP Grant Deliverable
- Update of the Carson River Watershed Stewardship Plan
- Increase in quality data
- Collect quality reliable water quality samples that can be used by the scientific community including NDEP and USEPA.
- May assist NDEP in updating TMDL information
- Delisting of pollutants requires more data collection

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What are QAPPs Key Components and Core Elements?

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Project Management

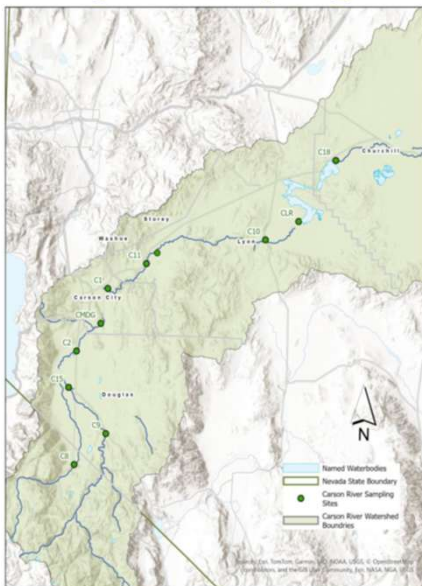
Assessment and Oversight

Data Acquisition and Management

Data Validation and Use

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Project Sampling Sites



Waterbody Code	Station Code	SS Location Description	River/Stream Miles	Beneficial Use Impairment	Gage Description
NV08-CR-01_00	C8	West Fork Carson River @ Paynesville	0	AQL	W FK Carson RV at Woodfords, CA - USGS-10310900
NV08-CR-04_00	C9	East Fork Carson River @ Riverview	9.2	AQL	E FK Carson RV NR Gardnerville, NV - USGS-10309000
NV08-CR-06_01	C15	East Fork Carson River @ Mueller Lane	11.3	RWC, AQL	West Fork Carson R. west Ditch at Mueller Lane - USGS-103103576
NV08-CR-07_00	C2	Carson River @ Cradlebaugh Bridge	4.6	AQL	NR Genoa, NV - USGS-10310497
NV08-CR-08_00	CMDG	Carson River @ Mexican Ditch Gage	7.4	AQL, RWC, IRR	NR Carson City, NV - USGS-10311000
NV08-CR-09_00	C1	Carson River @ New Empire Bridge	7	FC	Deer Run RD NR Carson City, NV - USGS-10311400
NV08-CR-10_00	C11	Carson River @ Dayton Bridge	10.4	AQL, FC, RWC	Winter monitoring only: Dayton, NV - USGS-10311700
NV08-CR-11_00	C10	Carson River @ Weeks Bridge	-	AQL, IRR	Carson RV at Weeks, NV - USGS-391735119150200
NV08-CR-11_00	CLR	Carson River at Lahontan Reservoir	25.8	AQL, IRR	NR Fort Churchill, NV - USGS-10312000
NV08-CR-13-C_02	C18*	C18 - Carson River Below Lahontan Dam	39.9	AQL, IRR	-
USGS-10311750	-	Carson R Abv Six Mile Cyn CK Blw Dayton, NV	-	-	Carson R Abv Six Mile Cyn CK Blw Dayton, NV - USGS-10311750

AQL – Aquatic Life IRR – Irrigation RWC – Recreation with Contact FC – Fish Consumption

*Long NOEP sampling record; however, NOEP no longer samples at this site.

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Outcomes and Next Steps

- Five-year Approval
- Collection of Data
- Annual Review
- Provide NDEP data
- Pursue Partner MOUs
- Revise QAPP
- Revisions to include other sampling and MOUs



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Questions?

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