



Oregon Water Quality Monitoring Data Portal



Please use the following fields to understand and evaluate data from AWQMS.

Result status

The status of results does not necessarily define the quality of the result. Please utilize the Data Quality Level and Result Measure Qualifier fields to assess data quality.

Result Status	WQX/AWQMS Definition	DEQ Laboratory Application
Final	Publishable, released to public	DEQ data has been assessed by the laboratory and designated a data quality level of A, B, E or F. Third Party data submitted/loaded during data solicitations.
Preliminary	Internal use only, not released to public	Data has not been assessed by the laboratory yet.
Rejected	Reported result has not been accepted	Data has been assessed by the laboratory and designated a data quality level of C or D.
Validated	Reported result has been verified and reviewed	Third Party data submitted to the laboratory and has been reviewed by a data steward.
Provisional	Reported result has not been verified, not undergone all QC procedures.	Data has not gone through the complete assessment by the laboratory. This status has been discontinued.

Data Quality Level

This field has been selected to display the laboratory's Data Quality Levels (DQL). This is internal to the DEQ agency only and displayed in AWQMS. These codes do not migrate with the data from AWQMS to the WQX Portal.

Data Quality Level (assigned by DEQ lab)*	Definition
A	Data of known Quality; Meets QC limits established in a DEQ approved QAPP.
B	Data of known but lesser quality; Data may not meet established QC but is within marginal acceptance criteria; or data value may be accurate, however controls used to measure Data Quality Objective (DQO) elements failed (e.g., batch failed to meet blank QC limit); the data is generally usable for most situations or in supporting other, higher quality data.
C	Data of unacceptable quality; Generally due to QC failures but may be related to other known information about the sample. Data should not be used for

	quantitation purposes but may have qualitative use. (Equivalent to the "R" (rejected) validation qualifier used by EPA)
D	No data available; No sample collected or no reportable results. Samples are either voided or canceled.
E	Data of unknown quality; Insufficient QA/QC or other information available to make determination. Data could be acceptable; however, no evidence is available to prove either way. Data is provided for Educational Use Only
F	Exceptional Event; "A" quality data (data is of known quality), but not representative of sampling conditions as required by project plan (e.g., an air particulate sampler fails to sample the full time period because adverse conditions such as a forest fire overloaded the sampling equipment)
(blank) formerly Q**	No data quality level assessed. Results Provisional**

*DEQ DQL definitions from *Data Validation and Qualification* document (DEQ09-LAB-006-QAG; Version 3.0).

**The DQL of Q is very limited and no longer used.

Result Qualifier

The Result Qualifier is used to signal data that may be estimated (FQC) or suspect (SUS) in the Water Quality Portal (WQP). The below translations are the two values used to load DEQ laboratory data and approved Volunteer Program data to the WQP. Other programs loading third party data in AWQMS (e.g. permit data steward) may use other WQP values in the Result Qualifier field to indicate data is estimated, such as a J flag.

Result Qualifier	Definition
FQC	Failed. Quality control criteria exceeded during analysis.
SUS	Result value is defined as suspect by data owner

To understand DEQ laboratory data in AWQMS is to bring these fields together.

Data Quality Level	Result Status	Result Qualifier
A	Final	(Blank)
B	Final	FQC
C	Rejected	SUS
D	Rejected	SUS
E	Final	SUS
F	Final	(Blank)
(blank)	Provisional	(Blank)