

CWC active monitoring stations (645 stations)

Quality Check

P: Pass

F: Fail

Verify station description (site name and river name(s)) using Google Maps, OpenStreetMap, and Google Search; Identify/add landmarks consistent with station description

Relocate CWC station on to HydroSHEDS Network (500 m); Delineate upstream catchment boundary; Identify river network; Estimate catchment area

Relocate CWC station onto MERIT Hydro Network (90 m); Estimate catchment area

Lat and Long available? Lat and Long not spurious? (QC1) F

CWC station present in the correct parent basin? (QC2) F

CWC station description unambiguously verifiable? (QC3) F

Can a landmark matching the station description be found? (QC4) F

GHI landmark within 20 km of CWC station location? (QC5) F

GHI relocated station location within 5 km of CWC station location? (QC6) F

CWC catchment area estimate available? (QC7) F

GHI-derived catchment area within $\pm 80\%$ of CWC catchment area? (QC8) F

GHI-derived catchment area within $\pm 10\%$ of MERIT Hydro catchment area? (QC9) F

HydroSHEDS river network consistent with rivers from online maps? River deltas or other complexities not present? (QC10) F

Daily streamflow data available from WRIS? (minimum missing records, no extreme outliers)

F → Group 2 (259 stations)

Group 3 (173 stations)

Group 1 (213 stations)