

Identify Duplicate PODs

Description: Identify water rights with duplicate PODs under different applications and/or statements.

Examples:

- A diverter filed a Statement of Diversion and Use and later filed an application for an Appropriative Water Right to divert water from that same POD but continues to report the same diversion under both water rights
- A large diverter (e.g. SCWA) is reporting diversion and use amounts for all re-diversions of project water downstream, but those re-diverters are also reporting the same diversion under their own water right

What (is being flagged): Multiple Water Right Applications/statements that possibly report the same POD

Why: Duplicate reporting inflates water demand estimates; removing duplicate reports of diversions will allow more accurate account of water supply and demand

How: Calculate distance between ALL POD's using "LATITUDE" and "LONGITUDE" to identify POD's that are in same or very close proximity but under different water rights/statements, then populate new field "DUPLICATE_POD" with Y/N.

Resolution: Review water right documentation (permit, license, statement, etc.) to determine whether the same diversion is being reported multiple times. Manually remove the duplicate record from dataset when estimating water supply/demand and send to DMU for reconciliation, if needed.

Data Source(s):

- [ewrims_flat_file_pod.csv](#)
- [water_use_report.csv](#)

Existing Fields (verify for accuracy):

- POD_STATUS – ewrims_flat_file_pod.csv
- LONGITUDE – ewrims_flat_file_pod.csv
- LATITUDE – ewrims_flat_file_pod.csv
- AMOUNT (STORAGE, DIRECT) – water_use_report.csv
- YEAR – water_use_report.csv
- PRIMARY_OWNER_NAME – ewrims_flat_file_pod.csv

New Fields (include definitions):

- DUPLICATE_POD_ID