# Identify missing reports of water diversion and use

**Data Processing Module:** Missing\_RMS\_Report

Description: Identify water rights with missing reports and calculate # of missing reports since 2010.

Example: A water right holder does not submit an annual report to the RMS system in 2013.

What (is being flagged): Water rights that are missing one or more annual diversion and use reports.

How: Determine the first annual report that should have been submitted using the “ASSIGNED\_PRIORITY\_DATE” field created in flag 6. Determine the latest report that should have been submitted (account for annual reporting deadlines à if the current date is later than July 1). For each APPL\_ID, count the number of years since the “ASSIGNED\_PRIORITY\_DATE” year AND/OR after 2013, if the assigned priority date of right is pre-2014 (reporting reqs became annual) and populate new field “REPORTS\_EXPECTED” with this value. Count all reports submitted after “ASSIGNED\_PRIORITY\_DATE” year AND/OR after 2013, if the assigned priority date of right is pre-2014 (reporting reqs became annual) and populate new field “REPORTS\_SUBMITTED” with this value.

Resolution: Verify that the reports are missing. Determine whether the missing report can be ignored or needs estimation based on the size diversion and any other relevant factors.

Data Files:

* [water\_use\_report.csv](https://intapps.waterboards.ca.gov/downloadFile/faces/flatFilesEwrims.xhtml?fileName=water_use_report.csv)

Existing Fields:

* APPL\_ID- Data from water\_use\_report.csv
* WATER\_RIGHT\_ID-Data from water\_use\_report.csv
* YEAR- Data from water\_use\_report.csv
* MONTH – Data from water\_use\_report.csv
* AMOUNT- Data from water\_use\_report.csv
* DIVERSION\_TYPE- Data from water\_use\_report.csv
* ASSIGNED\_PRIORITY\_DATE- Data from water\_use\_report.csv

New Fields:

* ANNUAL\_REPORTS\_SUBMITTED - Number of submitted annual reports for water right from 2014 to most recent reporting year
* EXPECTED\_REPORTS - Number of expected annual reports submitted for water right
* NO\_OF\_MISSING\_ANNUAL\_REPORTS - Number of missing annual reports that were not submitted for water right
* MORE\_REPORTS\_THAN\_EXPECTED - Number of submitted annual reports that exceeds the expected reports