# Reporting Outside Season of Diversion

# **Data Processing Module:** Diversion\_out\_of\_Season\_Part\_A and Diversion\_out\_of\_Season\_Part\_B

### **Description:** Identify water rights reporting diversion amounts outside of their diversion season.

### **Example:** A diverter has a water right with a diversion season from November 1 to March 31 but has reported a diversion amount for the month of April in RMS. (April is not within their permitted/licensed season of diversion.) The diverter may not understand the terms of their permit/license or they may have reported for months outside of their season of diversion by mistake.

What (is being flagged): Water rights with reported direct diversion and/or diversion to storage amounts outside of the season of diversion defined in the permit/license.

Why: Ensuring that water right holders are diverting in their permitted/licensed season of diversions provides better water supply/demand estimates.

How:Generate a list of numbers between the START and END of the water right’s diversion season, representative of months of the year (1 = January, 2 = February…)**.** If there is a reported “AMOUNT (STORAGE)” and/or “AMOUNT (DIRECT)” for a month(s) outside of the water right’s diversion season, then new field “DIV\_OUTSIDE\_SEASON” = the number of reports with diversions outside of diversion season. If there are no reports outside of the water right’s diversion season, then new field “DIV\_OUTSIDE\_SEASON” = 0.

Resolution: If the water right holder is diverting outside of their season of diversion unknowingly, the Division (Enforcement?) should follow-up with the diverter to remediate this issue. If the water right holder reported a diversion outside of their season of diversion in error, then DMU should follow-up with the diverter to remediate this issue and correct the data.

### Data Source(s):

* [ewrims\_flat\_file\_use\_season.csv](https://intapps.waterboards.ca.gov/downloadFile/faces/flatFilesEwrims.xhtml?fileName=ewrims_flat_file_use_season.csv)
* [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
* USE\_STATUS- Data from ewrims\_flat\_file\_use\_season.csv
* DIRECT\_SEASON\_START\_MONTH\_1- Data from ewrims\_flat\_file\_use\_season.csv
* DIRECT\_DIV\_SEASON\_END\_MONTH\_1- Data from ewrims\_flat\_file\_use\_season.csv
* DIRECT\_SEASON\_START\_MONTH\_2- Data from ewrims\_flat\_file\_use\_season.csv
* DIRECT\_DIV\_SEASON\_END\_MONTH\_2- Data from ewrims\_flat\_file\_use\_season.csv
* STORAGE\_SEASON\_START\_MONTH\_1- Data from ewrims\_flat\_file\_use\_season.csv
* STORAGE\_SEASON\_END\_MONTH\_1- Data from ewrims\_flat\_file\_use\_season.csv
* STORAGE\_SEASON\_START\_MONTH\_2- Data from ewrims\_flat\_file\_use\_season.csv
* STORAGE\_SEASON\_END\_MONTH\_2- Data from ewrims\_flat\_file\_use\_season.csv
* APPLICATION\_NUMBER- Data from ewrims\_flat\_file\_use\_season.csv
* YEAR - Data from water\_use\_report.csv
* MONTH - Data from water\_use\_report.csv
* AMOUNT- Data from water\_use\_report.csv
* DIVERSION - Data from water\_use\_report.csv

### New Fields:

* APPL\_ID\_UNIQUE- Data from ewrims\_flat\_file\_use\_season.csv
* JAN\_DIRECT- Diversion is authorized in January based on season of diversion of water right
* FEB\_DIRECT- Diversion is authorized in February based on season of diversion of water right
* MAR\_DIRECT- Diversion is authorized in March based on season of diversion of water right
* APR\_DIRECT- Diversion is authorized in April based on season of diversion of water right
* MAY\_DIRECT- Diversion is authorized in May based on season of diversion of water right
* JUN\_DIRECT- Diversion is authorized in June based on season of diversion of water right
* JUL\_DIRECT- Diversion is authorized in July based on season of diversion of water right
* AUG\_DIRECT- Diversion is authorized in August based on season of diversion of water right
* SEP\_DIRECT- Diversion is authorized in September based on season of diversion of water right
* OCT\_DIRECT- Diversion is authorized in October based on season of diversion of water right
* NOV\_DIRECT- Diversion is authorized in November based on season of diversion of water right
* DEC\_DIRECT- Diversion is authorized in December based on season of diversion of water right
* JAN\_STORAGE- Diversion is authorized in January based on season of diversion of water right
* FEB\_STORAGE- Diversion is authorized in February based on season of diversion of water right
* MAR\_STORAGE- Diversion is authorized in March based on season of diversion of water right
* APR\_STORAGE- Diversion is authorized in April based on season of diversion of water right
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