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
- 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
- MAY_STORAGE- Diversion is authorized in May based on season of diversion of water right
- JUN_STORAGE- Diversion is authorized in June based on season of diversion of water right
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