

Instructions for Slice & Dice Operation

Important Note: The canal id's 800-826 should use delivered to farm values instead of the total diversion as is used for the smaller canals and pump diversions. However, delivery values may not be available for all projects, so diverted values will have to be used. This is in concordance with the original process.

- 1 Make new view with county, sw fields, and model grid themes
- 2 SW field theme should have a table with one row per canal or individual water appropriation. It should also have the delivery volume, acres and acre-inches per acres in other fields.
- 3 Make sure all themes are cleared from any selections.
- 4 Make sure the view property for **map units** is set correctly for the theme projections
- 5 **zoom to 1:100**, this may not be necessary, but it is a good idea anyway. The split tolerance is set to screen pixels, not map units.
- 6 make the **field theme active** before running script
- 7 Open script titled **NE.RR.ProcessSW** in a window. Then go back to the view. Then get script window on top of view window. Run script by clicking the "run script" button. You will be prompted to identify the "field" theme, the "grid" theme and the "county" theme. Accept all default names for the output files etc (Output & explode)
- 8 The password is " **sucker** "
- 9 When process completes rename the theme "Output" to a more useful name such as "SWxxfin " where xx is the year

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*open first + then go back to view then
put script window on top before clicking the "run" button.*

Notes from 2005 Computations (reporting year 2005):

Theme properties from View "Year 2005 SW Distribution of Deliveries UTM 14 NAD 27 Ft"

Shapefile Notprevreported14_shp: This set was not matched with previous records in the shapefiles. All but seven were already covered by an older, stacked water right. Only three of these had water diverted in 2005. This file was used to copy the "missing" land to 2005_sw_del_1.shp.

Shapefile sw05_raw_shp: This shapefile is the merge of 2005surfacewaterdiversions_shp and a1647t1069_2005_shp shapefiles, which were provided by the Cambridge field office just prior to the April 15 reporting deadline.

Shapefile2005_sw_del_1: This is the theme that was joined with ldel05.dbf to populate the acre-feet diverted/delivered values into sw_use_05 field. It was then copied to 2005_sw_del_proto3.shp and edited to produce the pre- "slice & dice" shapefile Swdelivered2005.shp . The edits comprised the following: zero diversions were removed and Culbertson & Superior Canal acres were reduced to those acres shown to have been irrigated in 2005.

Shapefile 2005_sw_del_proto3: This shapefile is the copy of 2005_sw_del_1.shp that was edited to remove the non-irrigated areas of Culbertson and Superior Canals. This was done by deleting Culb. & Super. polygons and copying the 2005 irrig. polys. from Sw05_raw_shp.shp. The areas with a positive Sw_use_05 were queried and the selected set was converted to shapefile Swdelivered2005, which was used in the "slice&dice" operation.

Mike Thompson

From: Brad Edgerton [bedgerton@dnr.ne.gov]
Sent: Tuesday, April 03, 2007 2:44 PM
To: 'Mike Thompson'; 'Jim Williams'; Jesse Bradley; 'Paul Koester'; 'Jim Schneider'; SZheng@dnr.ne.gov
Subject: 2006 surface water use data RRCA

All

Attached is an ArcView shape file of the surface water pumping for 2006.

Some permits that pumped in 2005 are still in this table but show a zero for 2006.

We have several permits that are stacked on top of each other, the pumping number will be listed for just one of those permits and under the remarks it will say which permits are combined.

Several permits pumped in 2006 that were not part of the 2005 data set, on those I had to make up a new Canal ID per Mike Thompson instructions.

I am still waiting on Colorado for the Haigler Canal record, an estimate of 4000 AF will be in the ball park until we receive that data.

I have also scanned the water use reports that show a use, reports that indicted no pumping in 2006 were not scanned.

For Cambridge and Bartley Canals I am using the acres that will be approved for the map transfer M-4

All of Haigler Canal (aka Pioneer Ditch) has also been digitized; I am waiting on a transfer approval for this also.

If you have any questions please give me a call.

Brad

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