# 2012 POD File

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# 2012 POD File

- What is POD file
- Why new POD file
- Changes in new POD file
- Effect of new POD file

# What is POD file

- Point of diversion (POD) file
  - GIS file of ground water irrigation wells containing priority date and maximum irrigation rate
  - Used in curtailment scenarios to determine number of curtailed acres in each model cell

# Why new POD file

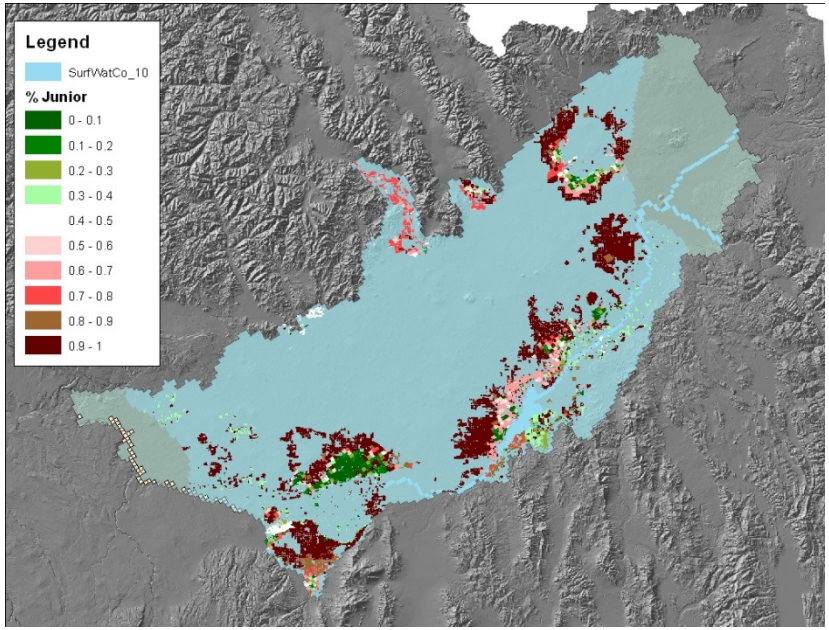
- Water rights data base is a living document
  - Transfers happen
  - Adjudication happens
  - Update POD file each winter

# Changes in new POD file

- 2006 POD file – 18567 irr points of diversion
- 2007 POD file – 18524 irr points of diversion
- 2008 POD file – 18936 irr points of diversion
- 2009 POD file – 18909 irr points of diversion
- 2010 POD file – 20095 irr points of diversion
- 2011 POD file – 20841 irr points of diversion
- 2012 POD file – 21314 irr points of diversion

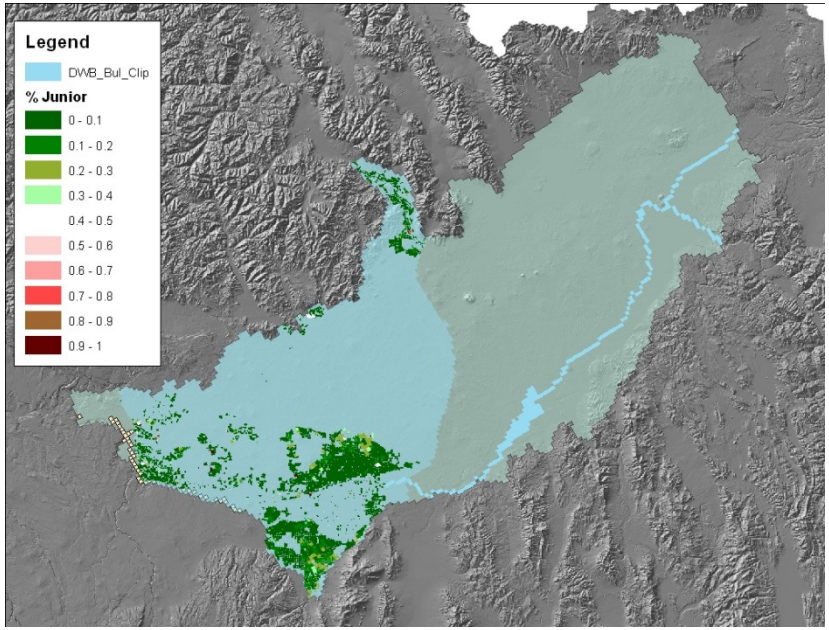
- 2006 POD file – 544 enlargements
- 2007 POD file – 623 enlargements
- 2008 POD file – 743 enlargements
- 2009 POD file – 790 enlargements
- 2010 POD file – 1934 enlargements
- 2011 POD file – 1981 enlargements
- 2012 POD file – 1998 enlargements

# Test-1
# p-date=4Sep50



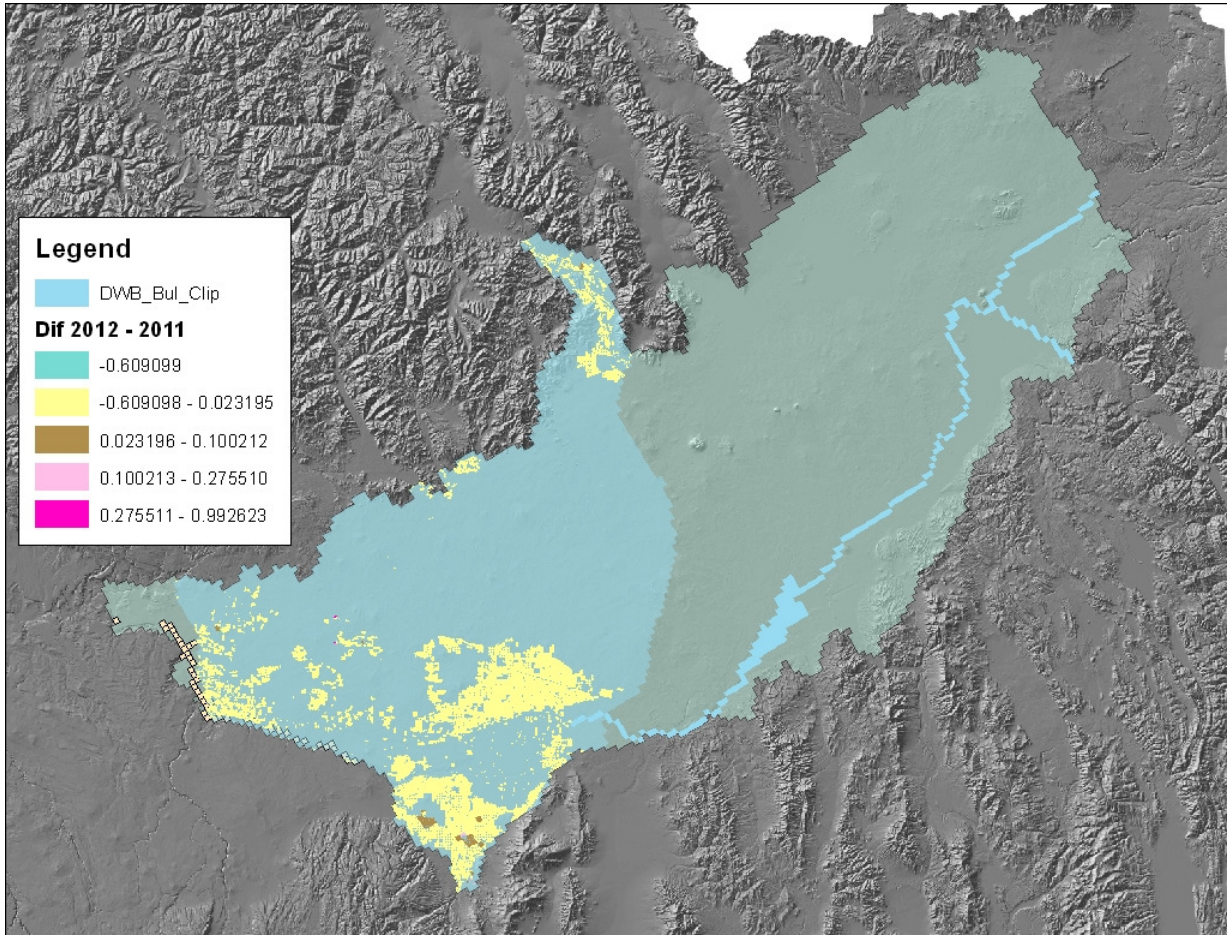

| reach | cf/d gain | cfs gain | ac-ft/y | |
|---|---|---|---|---|
| MLD-BAN | 144012 | 1.7 | 1,208 | |
| MLD | 3780534 | 43.8 | 31,700 | |
| KSP-MLD | 450990.1 | 5.2 | 3,782 | |
| KSP | 4174590 | 48.3 | 35,004 | |
| BUL-KSP | 6663526 | 77.1 | 55,873 | |
| DWB-BUL | 1.85E+07 | 214.2 | 155,181 | |
| A-R | 1.45E+07 | 168.3 | 121,906 | |
| H-S | 9600129 | 111.1 | 80,497 | |
| S-B | 2.95E+07 | 342.0 | 247,745 | |
| N-M | 1.14E+07 | 132.4 | 95,901 | 731,033 |
| B-N | 7.57E+07 | 876.7 | 635,132 | |
| | | | | |
| sum | 174,589,812 | 2,021 | 1,463,927 | |
| | | | | |
| -0.03% | Difference in irrigated area | | | |
| -0.81% | Difference in total depleations | | | |
| -0.27% | Difference in gains to target reach | | | |

# Test-2
# p-date=3Mar82

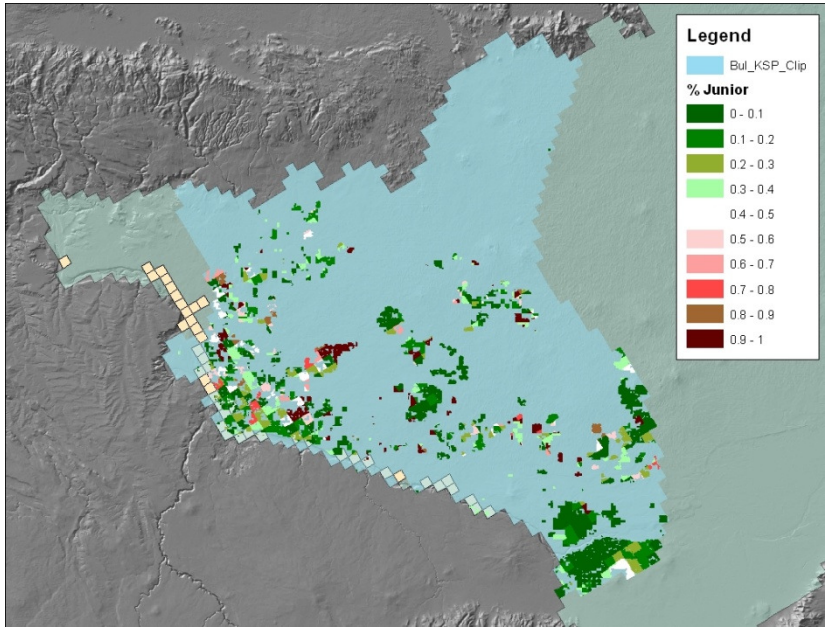



| reach | cf/d gain | cfs gain | ac-ft/y |
|---|---|---|---|
| MLD-BAN | 21783.34 | 0.3 | 183 |
| MLD | 551015.6 | 6.4 | 4,620 |
| KSP-MLD | 62428.45 | 0.7 | 523 |
| KSP | 541025.6 | 6.3 | 4,536 |
| BUL-KSP | 812726.8 | 9.4 | 6,815 |
| DWB-BUL | 1818558 | 21.0 | 15,249 |
| A-R | 78352.5 | 0.9 | 657 |
| H-S | 88821.56 | 1.0 | 745 |
| S-B | 644571.1 | 7.5 | 5,405 |
| N-M | 770797 | 8.9 | 6,463 |
| B-N | 2204738 | 25.5 | 18,487 |
| | | | |
| sum | 7,594,818 | 88 | 63,682 |
| | | | |
| 1.67% | Difference in irrigated area | | |
| 3.56% | Difference in total depleations | | |
| 3.16% | Difference in gains to target reach | | |

# Difference Test-2



# Test-3
# p-date=10Dec73




| reach | cf/d gain | cfs gain | ac-ft/y |
|---|---|---|---|
| MLD-BAN | 39914.27 | 0.5 | 335 |
| MLD | 1042805 | 12.1 | 8,744 |
| KSP-MLD | 156829.2 | 1.8 | 1,315 |
| KSP | 1281618 | 14.8 | 10,746 |
| BUL-KSP | 1823898 | 21.1 | 15,293 |
| DWB-BUL | 2867126 | 33.2 | 24,041 |
| A-R | 38693.68 | 0.4 | 324 |
| H-S | 44362.94 | 0.5 | 372 |
| S-B | 330600.7 | 3.8 | 2,772 |
| N-M | 325394.1 | 3.8 | 2,728 |
| B-N | 1152235 | 13.3 | 9,661 |
| sum | 9,103,477 | 105 | 76,332 |
| | | | |
| 0.28% | Difference in irrigated area | | |
| 0.29% | Difference in total depleations | | |
| 0.43% | Difference in gains to target reach | | |