

Department of Water Resources



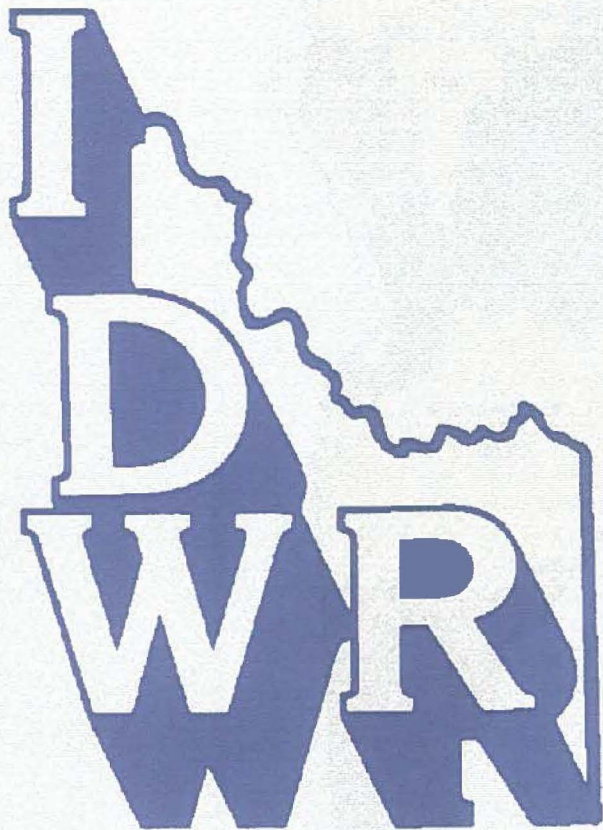
2015 Legislative Presentation

**Gary Spackman
Director**

**February 5-6,
2015**

2015 Resource Committee Presentations.pptx

Department of Water Resources



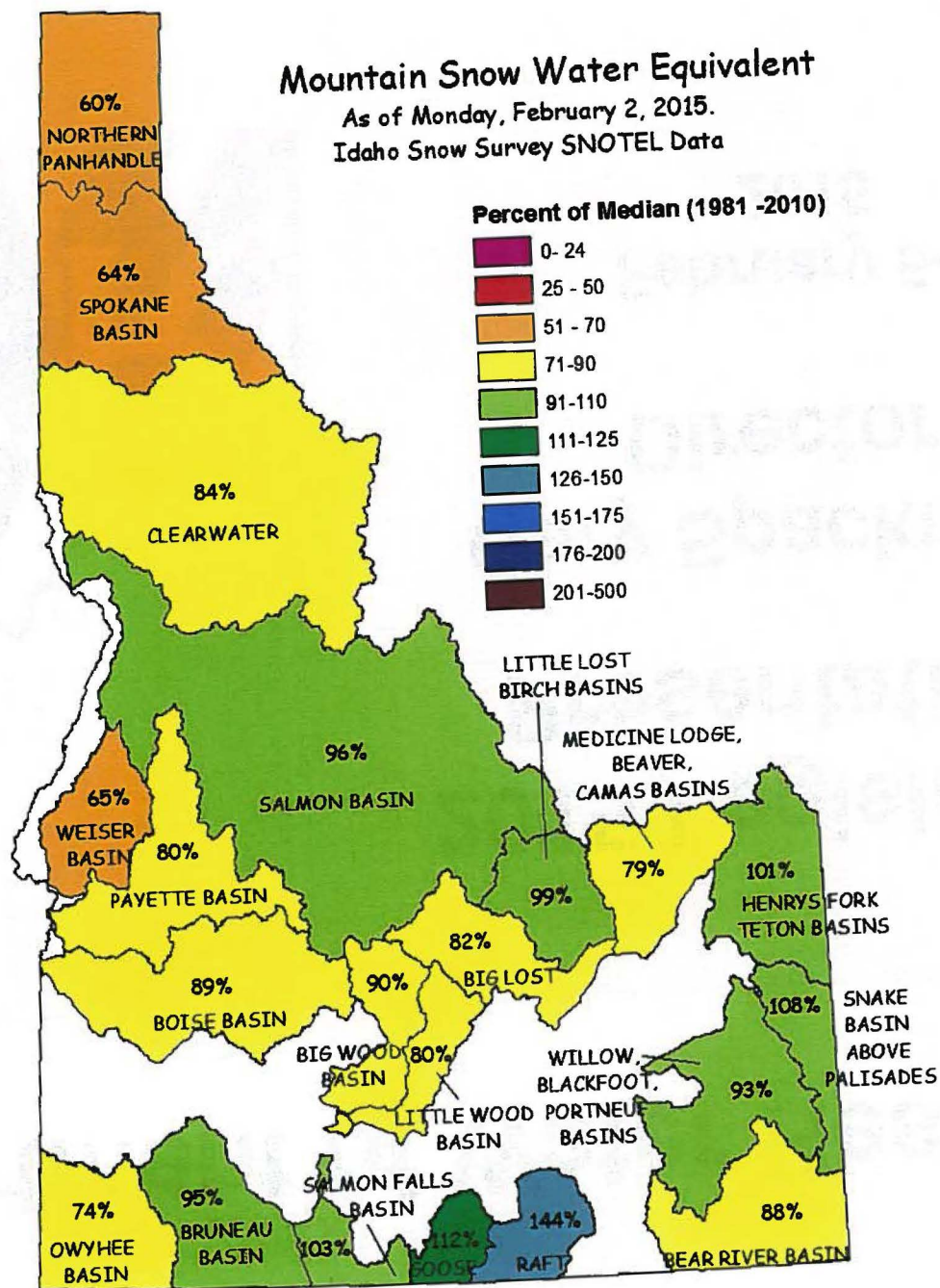
2015 Legislative Presentation

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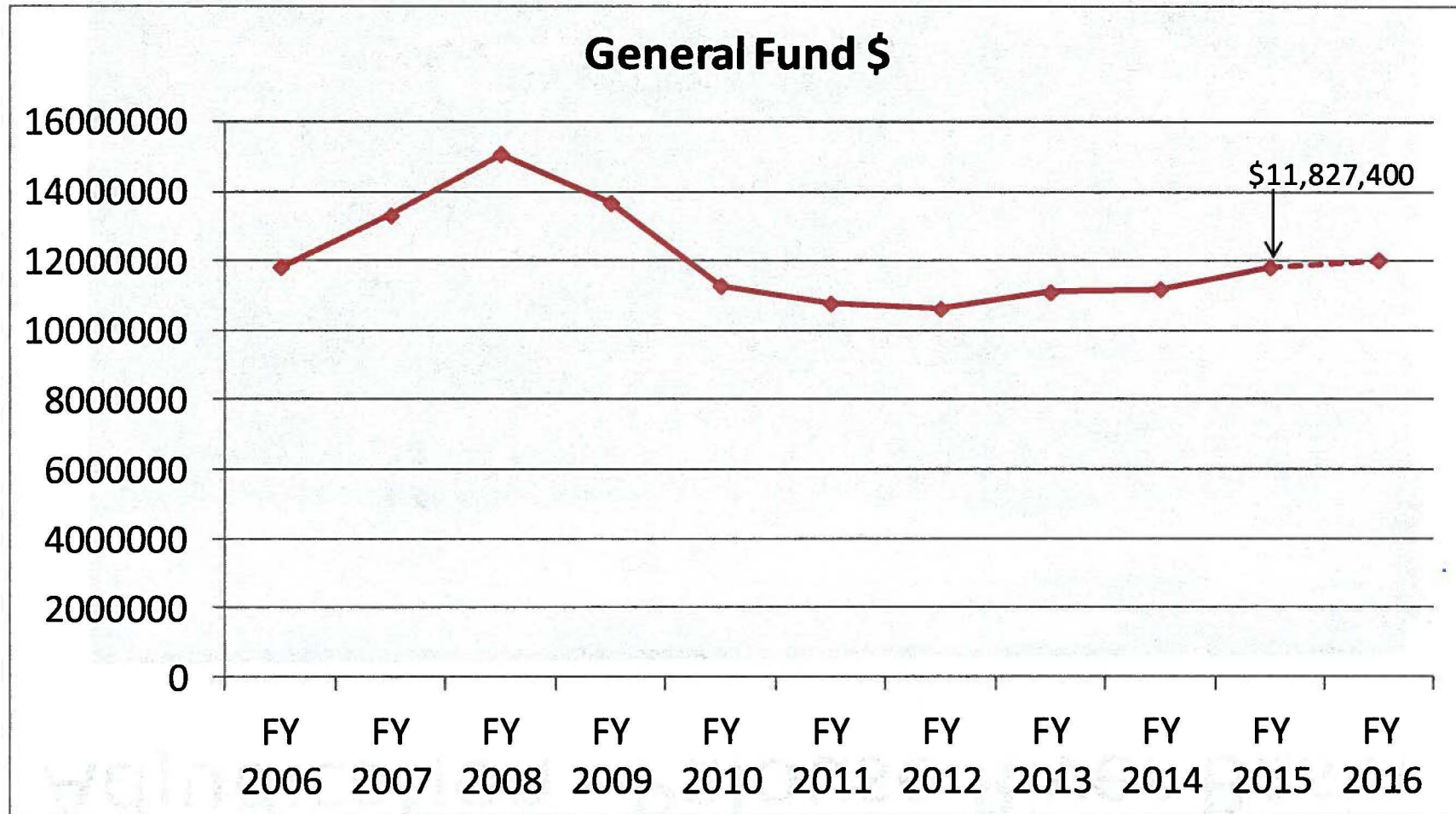
**February 5-6,
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Mountain Snow Water Equivalent

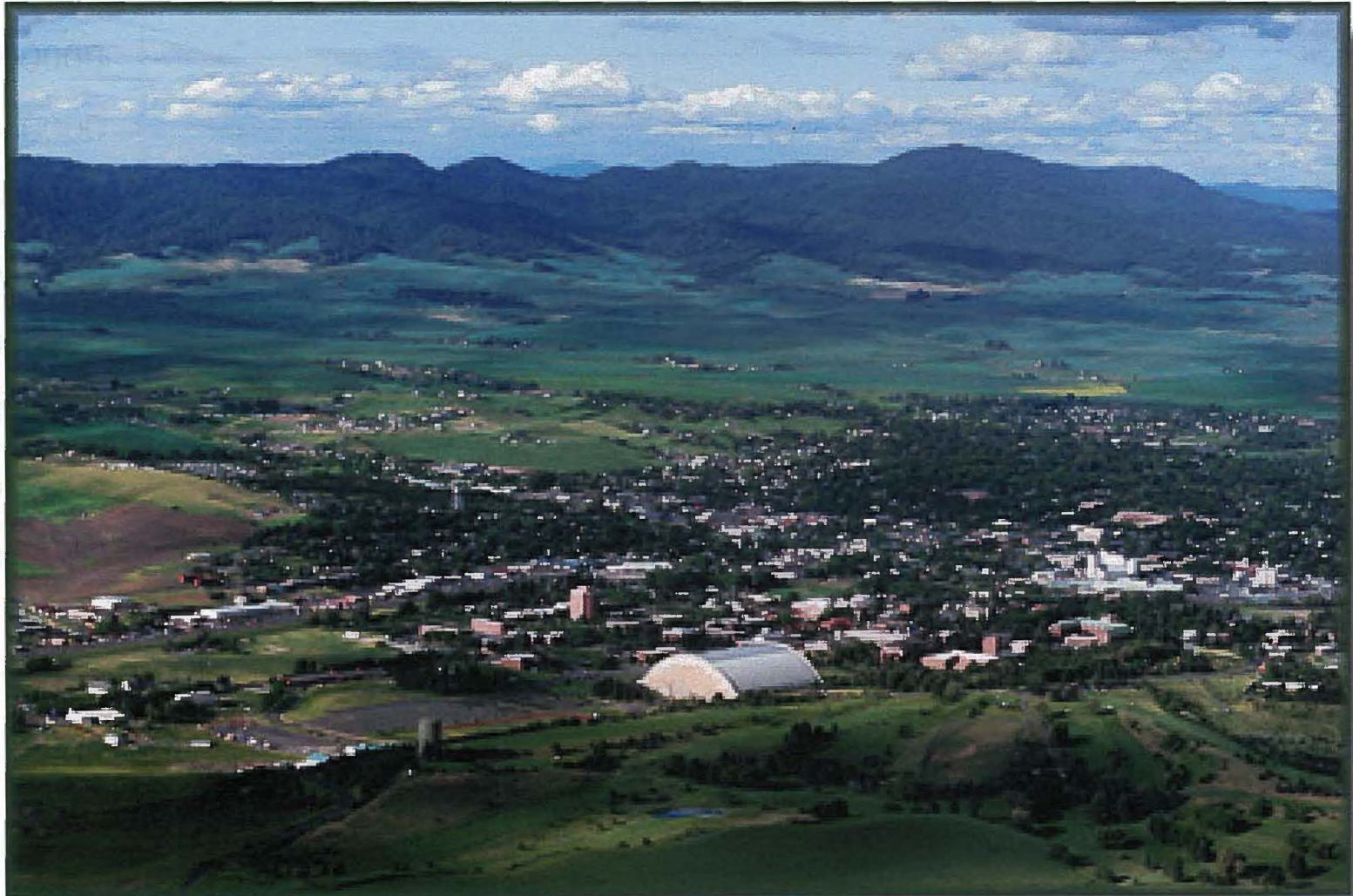
As of Monday, February 2, 2015.
Idaho Snow Survey SNOTEL Data



IDWR General Fund Appropriation 10 Year Comparison



Adjudication –Palouse River Basin



Reservoir Fill/Refill – Flood Control



Reservoir Fill/Refill – Flood Control



Reservoir Fill/Refill – Flood Control



Surface Water Coalition Call

- Remand from Judge Wildman requires a rewrite of the order to determine deficient supply to senior surface water users
 - Requires preseason prediction of supply and mitigation
 - Requires midseason adjustment and additional mitigation
 - Requires safety factors to protect senior against inaccurate predictions

Evaluation of Areas where Alternative Seal Depths may be Warranted

- Island Park – This is an area which has historic bacterial contamination with known illness.
- Wood River Valley – This is an area where a number of waivers have been granted because of the highly permeable coarse gravel and sand
- Donnelly Area – This is an area where glacial deposits consisting of sand, gravel, silt and clay are present and ground water is very shallow.

Island Park

- At least 82 people became sick from *Shigella sonnei* bacteria in 1995 from poorly sealed wells
- Studies in the area show that the ground water and surface water are in hydrologic connection
- Deeper seals have been required since 1996
- Health District indicated that most of the contamination has been eliminated by installing deeper seals from the surface to the production zone
- The Department will continue to require deep seals to prevent illness and protect wells in the area

Wood River Valley

- Department and USGS studies document coarse sediments comprise the aquifer
- Aquifer is highly conductive with no confining layers
- Hydrogeologic conditions in the Wood River Valley are similar to the Rathdrum Prairie Aquifer
- The Department has agreed that a reduction of the minimum surface seal to 18 feet would be consistent with requirements in the Rathdrum Prairie

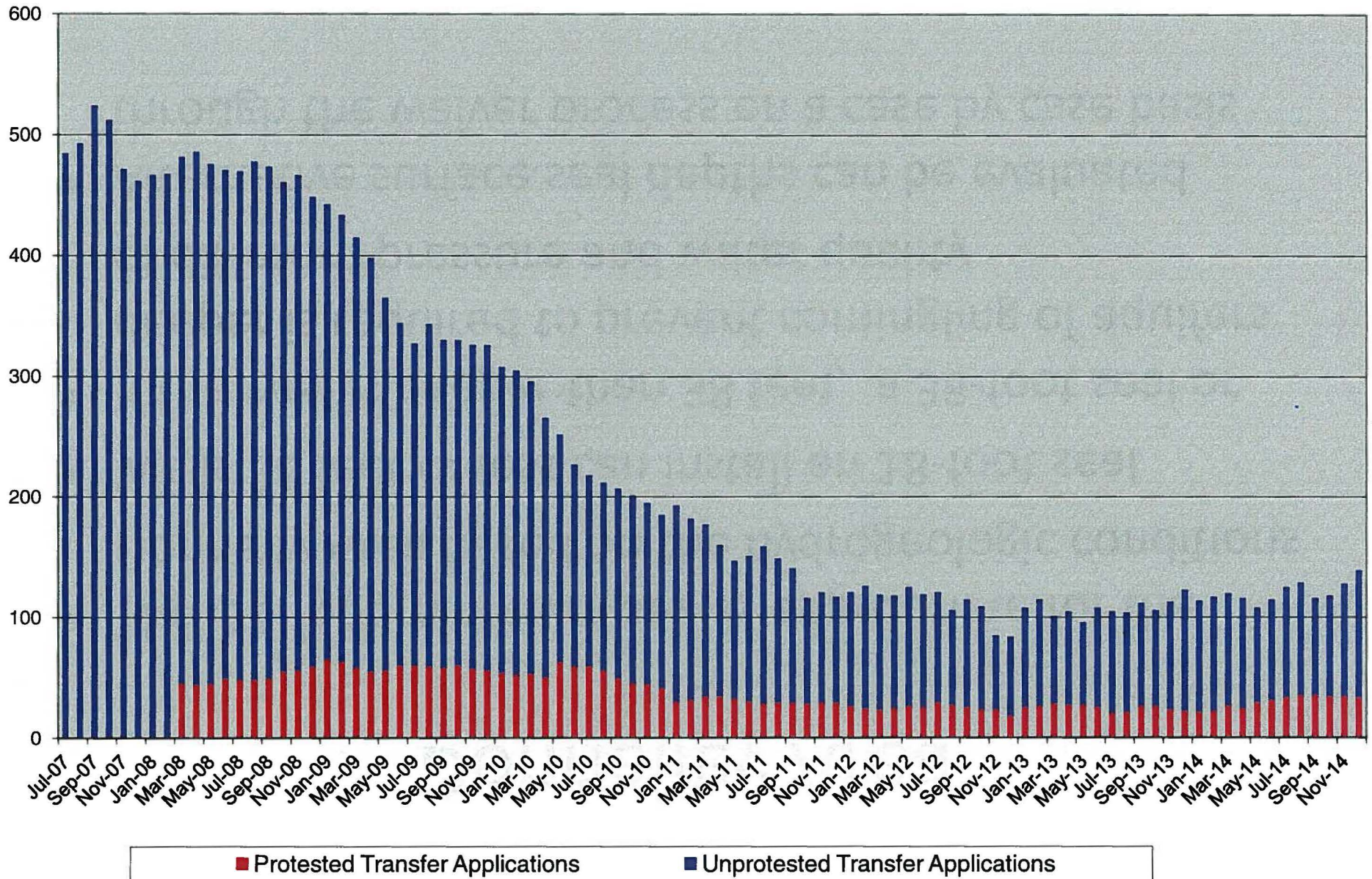
Donnelley Area

- Department studied the geology and hydrogeology in the Donnelly area
- The upper fine grained sediments are oxidized with low yields but good water quality
- Deeper sediments are coarse, under reduced conditions, show artesian pressure and poor water quality with dissolved iron and sulfur

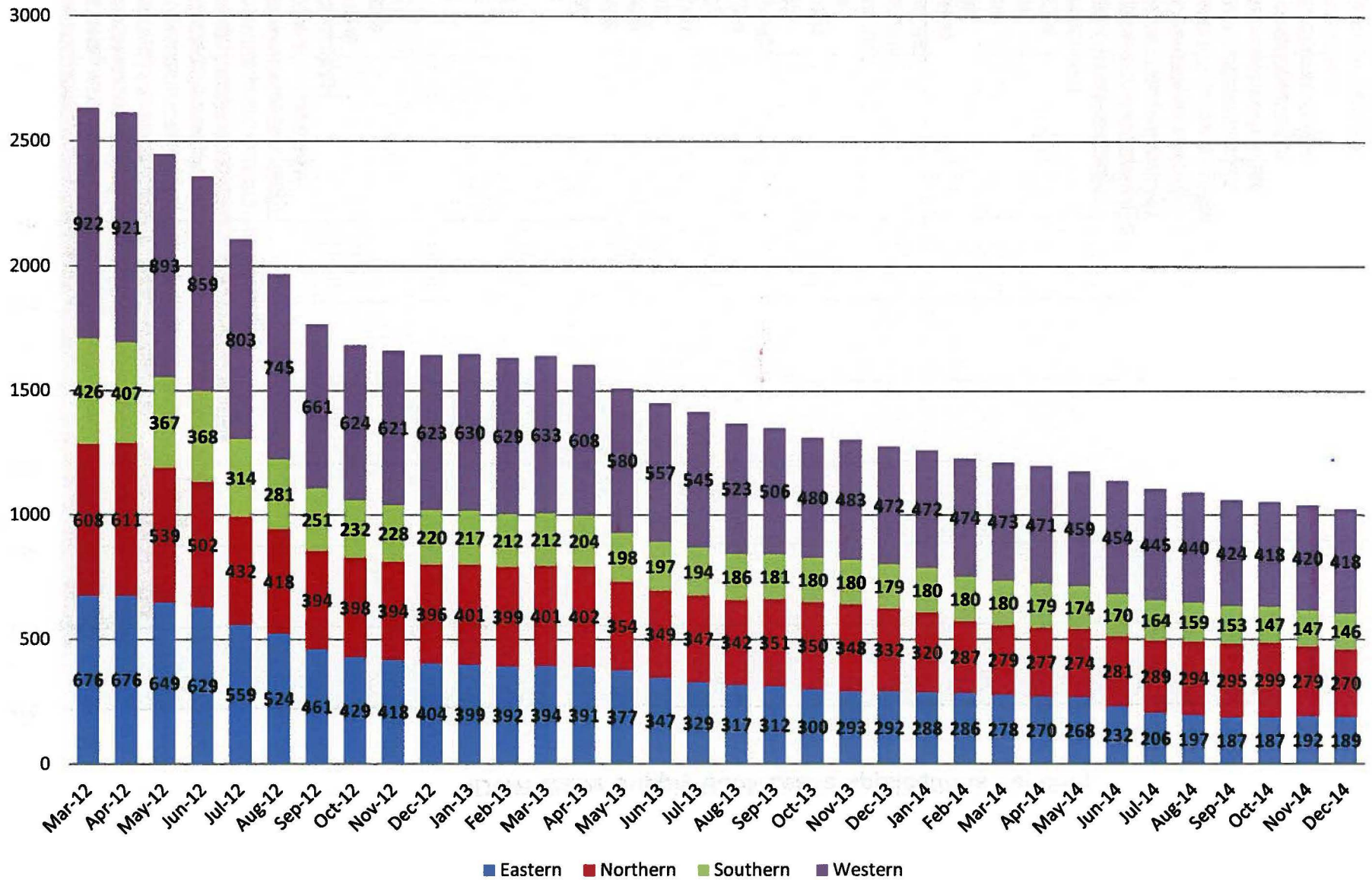
Donnelley Area

- The 38 foot minimum seal is appropriate for the Donnelly Area based on the hydrogeologic conditions
- Wells 38 feet or less can install an 18-foot seal
- If the well is deeper than 38 feet, a 38-foot seal or deeper is required to prevent comingling of aquifers of different pressure and water quality
- Alternative surface seal depths can be evaluated through the waiver process on a case by case basis

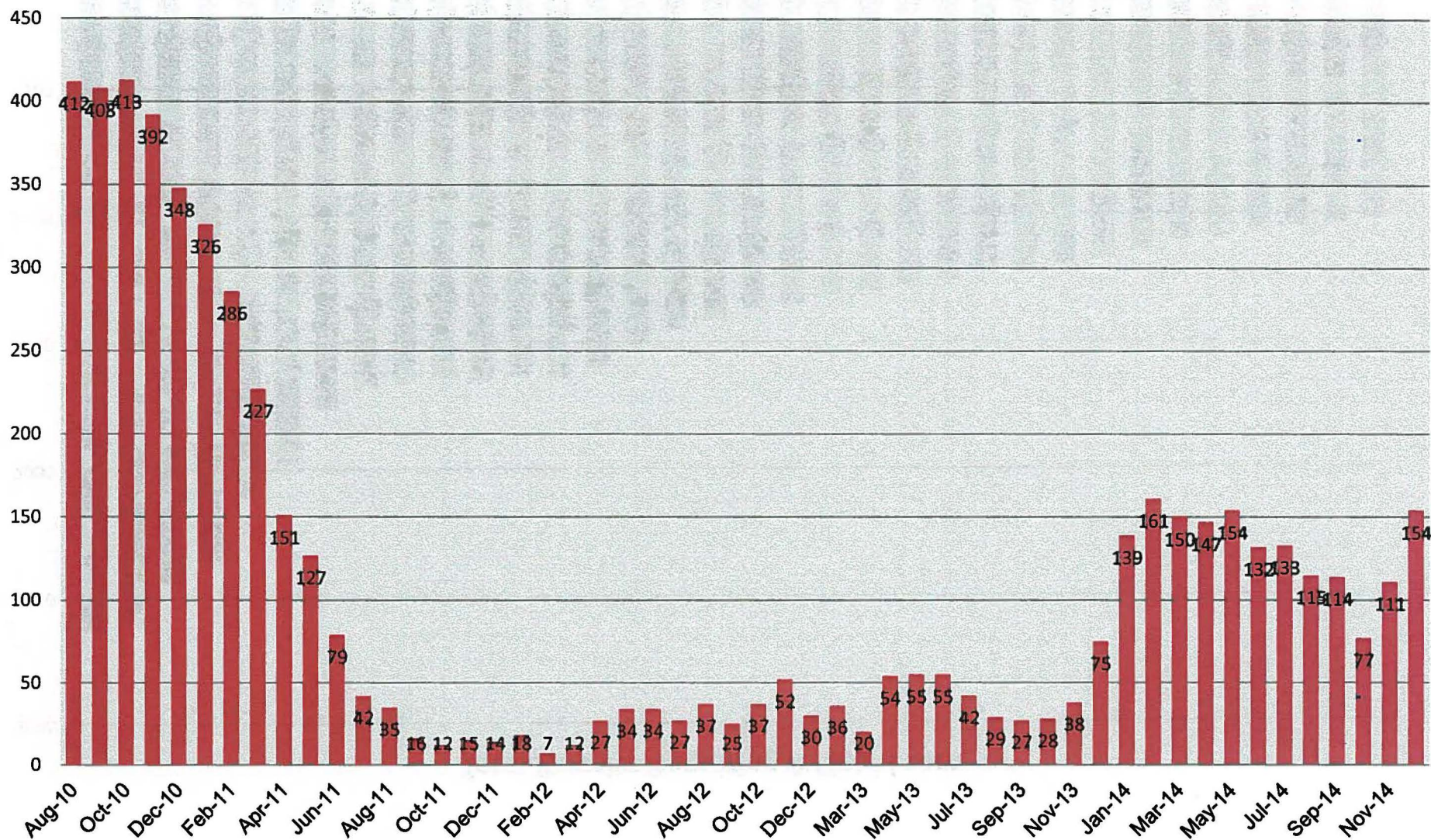
IDWR Active Transfer Applications



Total Permits Requiring A Field Exam



IDWR Water Supply Bank Lease Applications Pending



IDWR Water Supply Bank Rental Applications Pending

