



Are They Trustworthy? Using ArcMap to Select Water Rights in the Trust Water Area

Presented to: Eastern Snake Hydrologic Modeling Committee

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What is Trust Water?

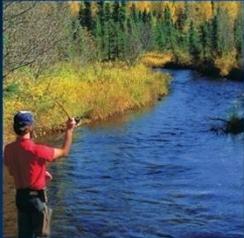
- Agreement reached with Idaho Power on Oct. 25th, 1984
- Water available for appropriation within the Trust Water Area
- An amount greater than the Murphy Gage Minimum Flow (MSF) but less than Idaho Power's water rights at Swan Falls Dam can be appropriated

MSF @ Murphy gage

- 3900 cfs 4/1 – 10/31
- 5600 cfs 11/1 – 3/31

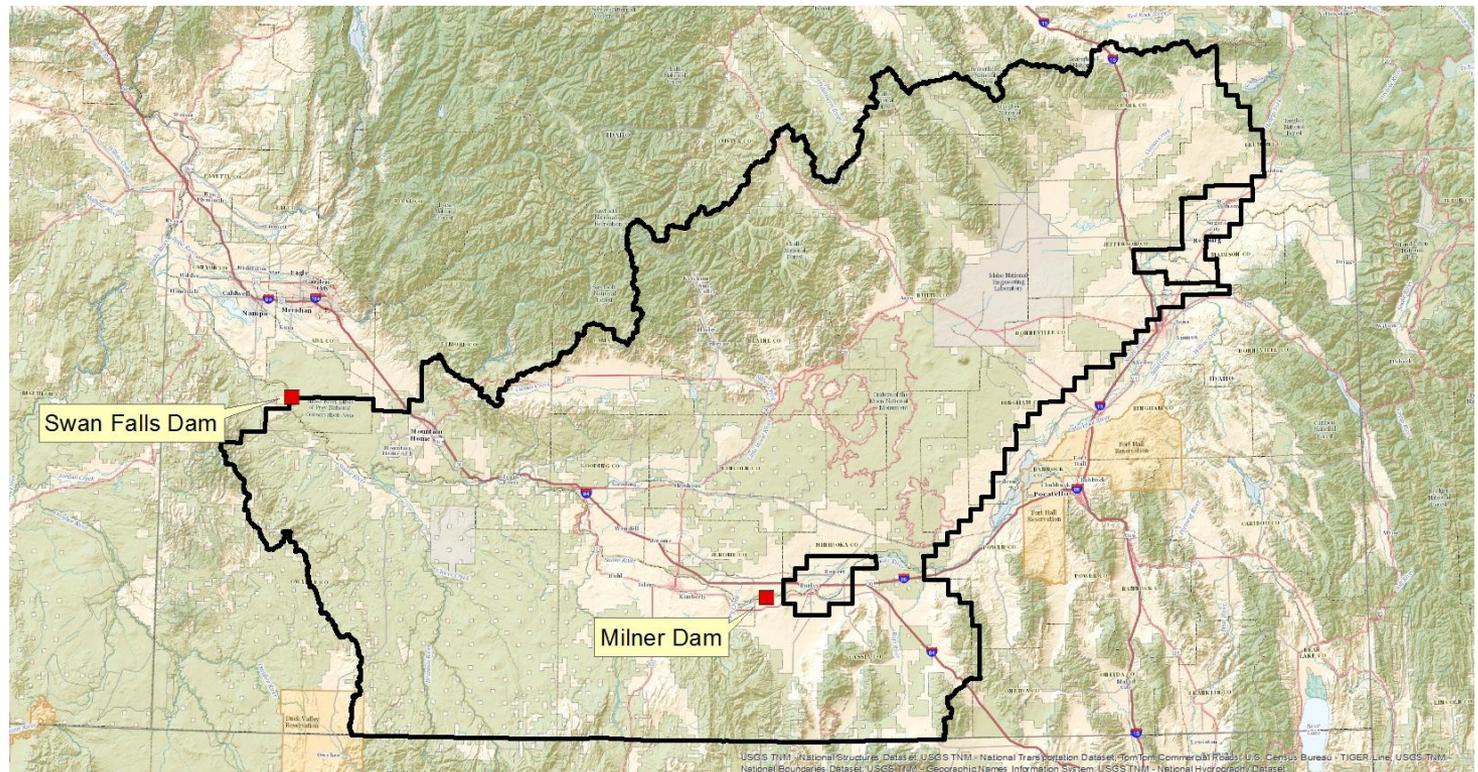
Idaho Power's Rights @ Swan Falls Dam

- 8400 cfs
- 4500 cfs can be appropriated with a Season of Use 4/1 – 10/31
- 2800 cfs can be appropriated with a Season of Use 11/1 – 3/31
- Very few new applications for Trust Water since 1992 within the Eastern Snake Plain Moratorium Area
- IDWR is responsible for tracking Trust Water appropriations



Trust Water Area:

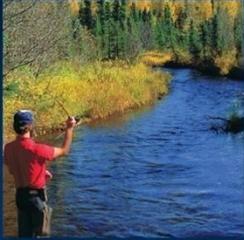
Where Ground and Surface Water Are Tributary to the Snake River
Between Milner Dam and Swan Falls Dam



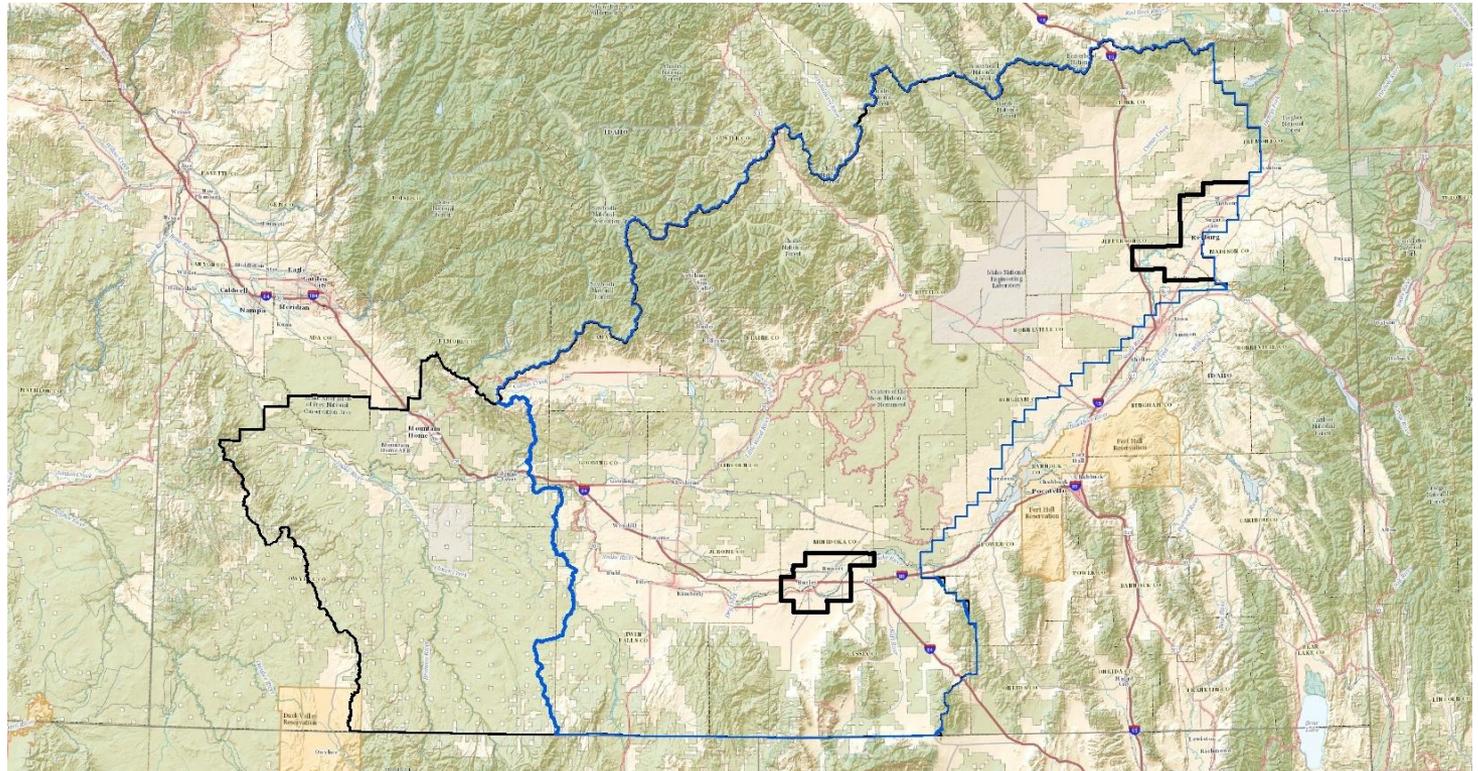


Eastern Snake Plain Moratorium Area

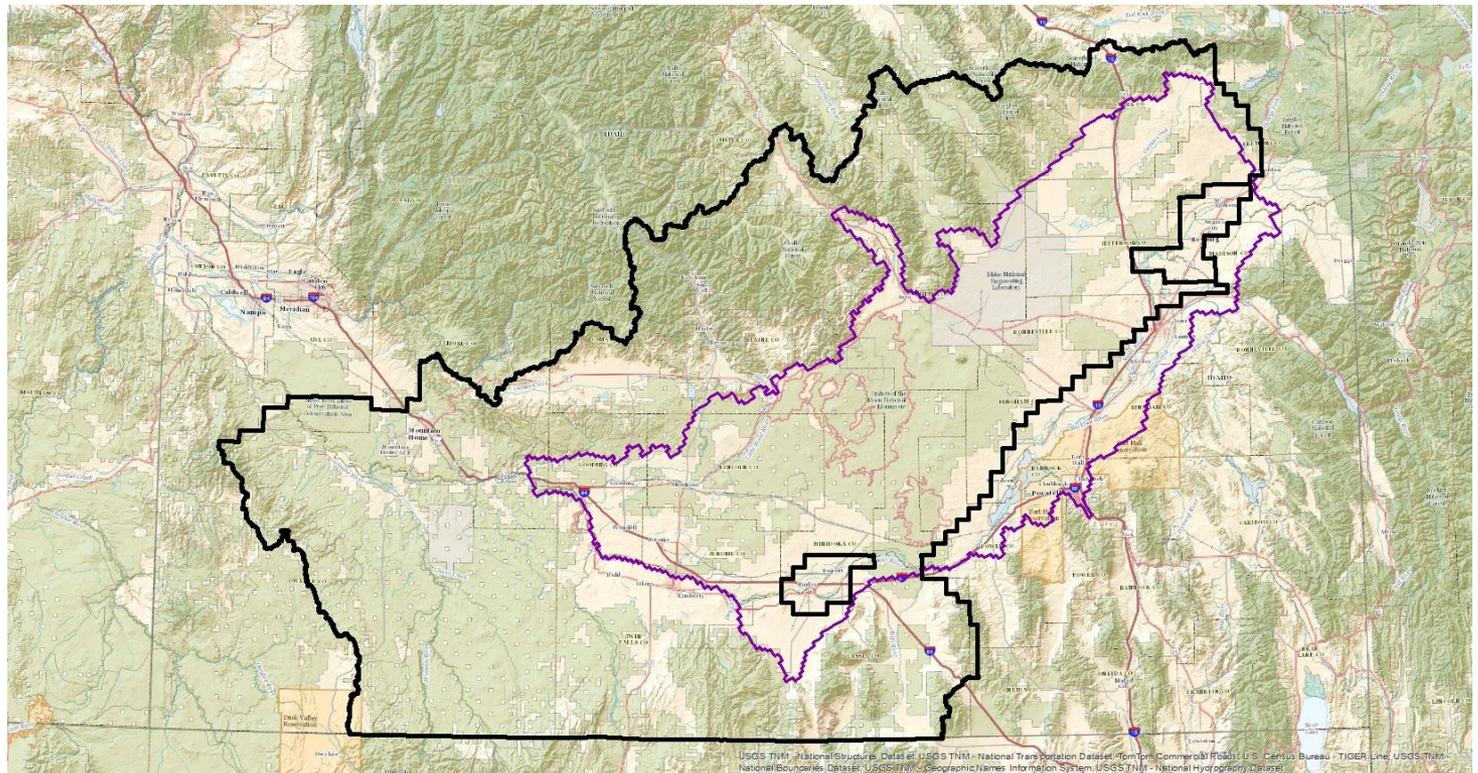
- Enacted in May 15th, 1992 in response to a variety of factors affecting streamflow and ground water levels
- Still in effect
- Moratorium on most applications for diversion of either surface water or ground water
- Essentially stopped new applications within the Trust Water Area
- Small domestic use is exempt
- Some exceptions for instream uses, mitigated diversions and others.
- Not used as a part of this analysis



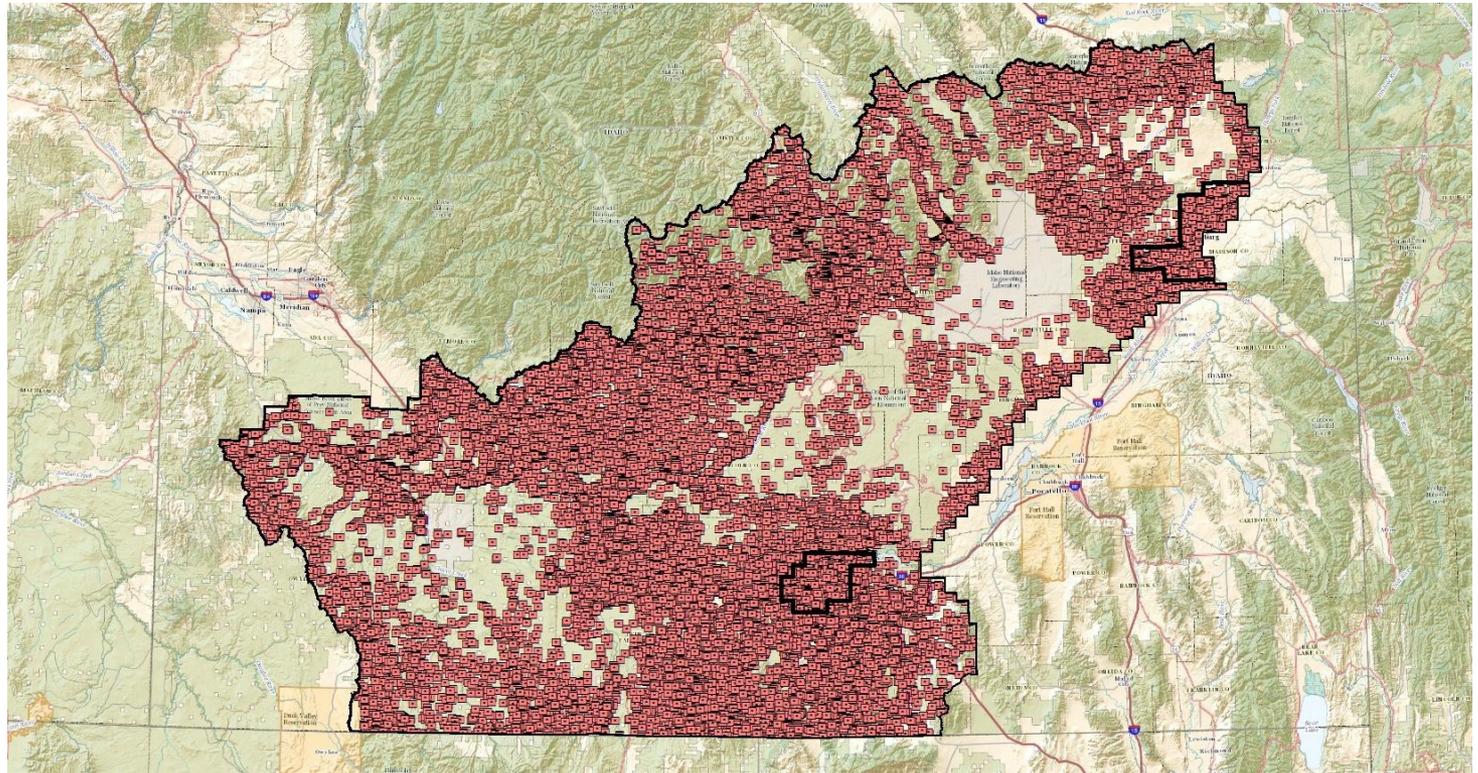
Trust Water Area and Eastern Snake Moratorium Area: Moratorium on Ground and Surface Water Applications Above King Hill Since 1992



Trust Water Area and Eastern Snake Plain Model Boundary v2:



Trust Water Area Diversions:

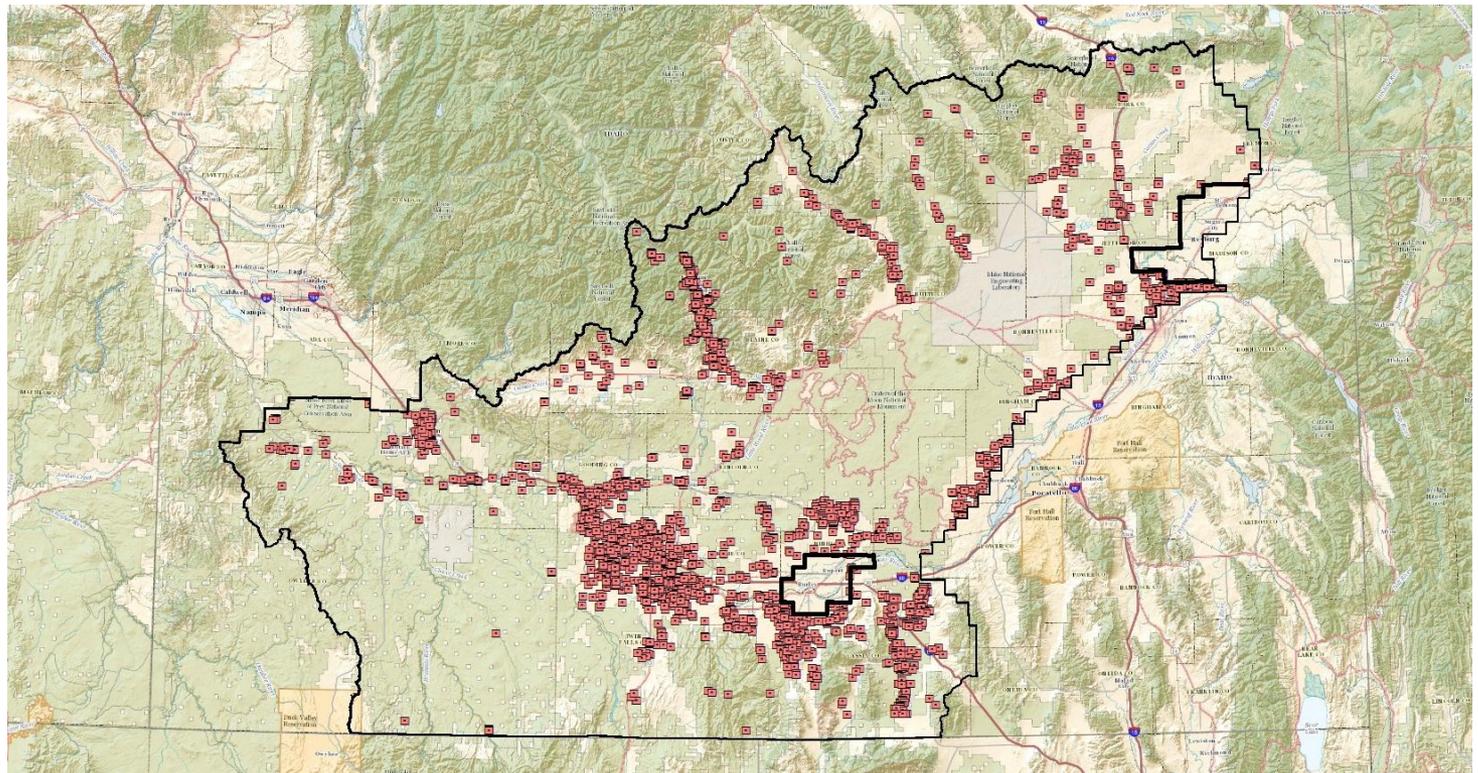




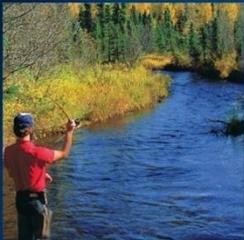
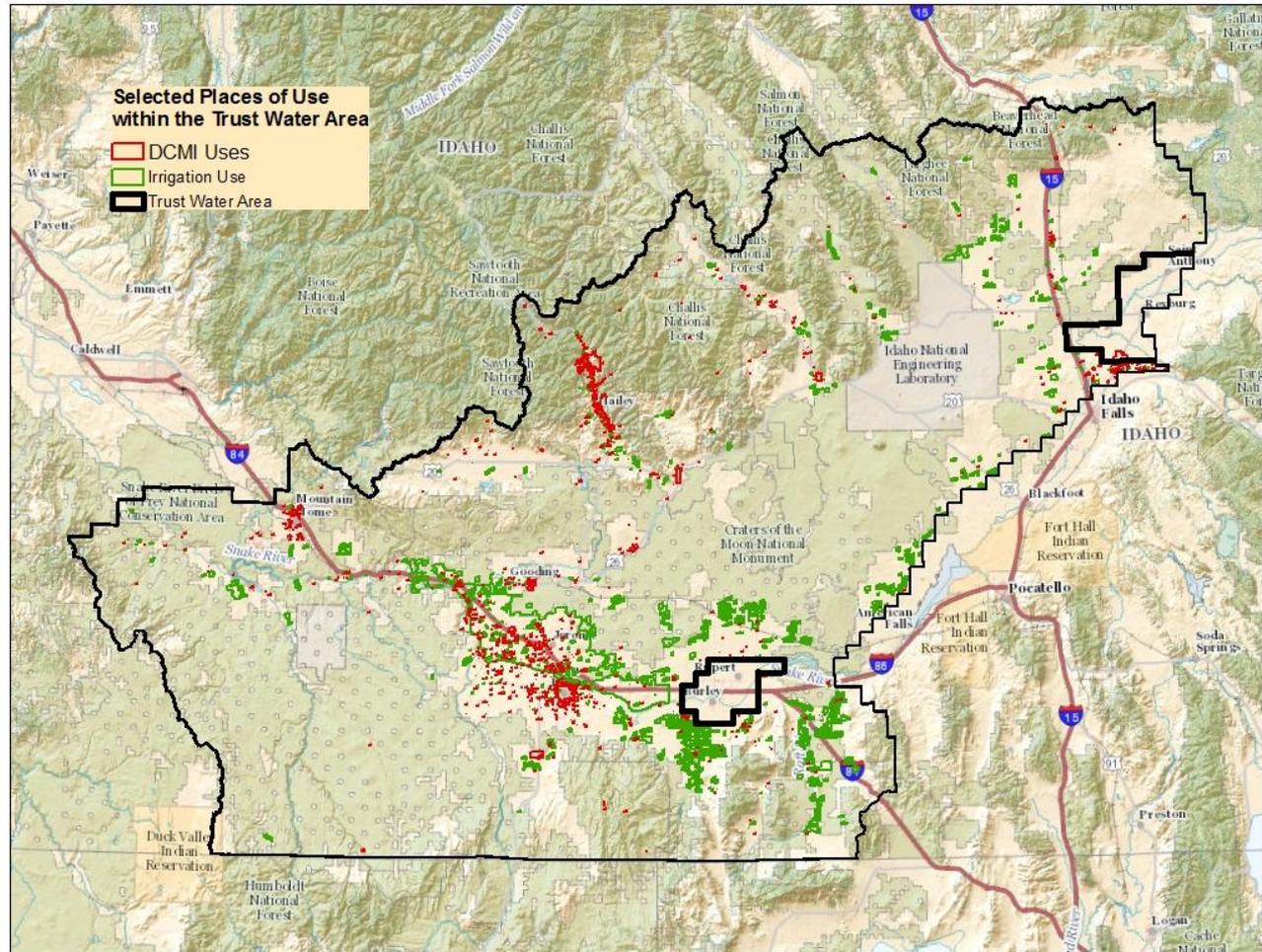
Criteria to Determine Trust Water Rights

- In the Trust Water Area
- Active Status
- Water Rights, Recommendations and Permits
- Priority Date more recent than 10/25/1984
 - Beneficial use could be proven prior to this date and the right exempted. This was not done for this analysis.
- Water uses of Irrigation or Irrigation Storage, or Domestic/Commercial/Municipal or Industrial (DCMI) or these uses to Storage
- To prevent double-counting, DCMI uses removed if the right also had an irrigation use
- All Water Sources
- Primary diversions; no rediversion or injection points

Selected Water Right Diversions in the Trust Water Area



Places of Use from Rights Diverted in the Trust Water Area





Water Rights Selected Through This Analysis

- 979 irrigation rights – 975 cfs
- 1245 DCMI rights – 155 cfs

Other Selection Analysis That Can Be Done

- Attribute values (=, ≠, <, >, Like)
- Within or outside one or more areas
- Proximity to other features
- Buffering features to find other features within or outside the buffer
- Selections can add to or remove from the current set
- Most any combination of these on anything tabular or spatial



Trust Water References

- <http://www.idwr.idaho.gov/>
- In Search box put 'Swan Falls'
- Click *Overview of Swan Falls Agreement* document
- [Draft protocol](#) for selecting Trust Water Rights

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