

An aerial photograph of a rural landscape. A river flows through a valley, surrounded by dense green forests. The surrounding land is divided into various agricultural fields, some green and some brown, indicating different crops or stages of growth. The sky is clear and blue.

Idaho Ground Water Appropriators (IGWA)

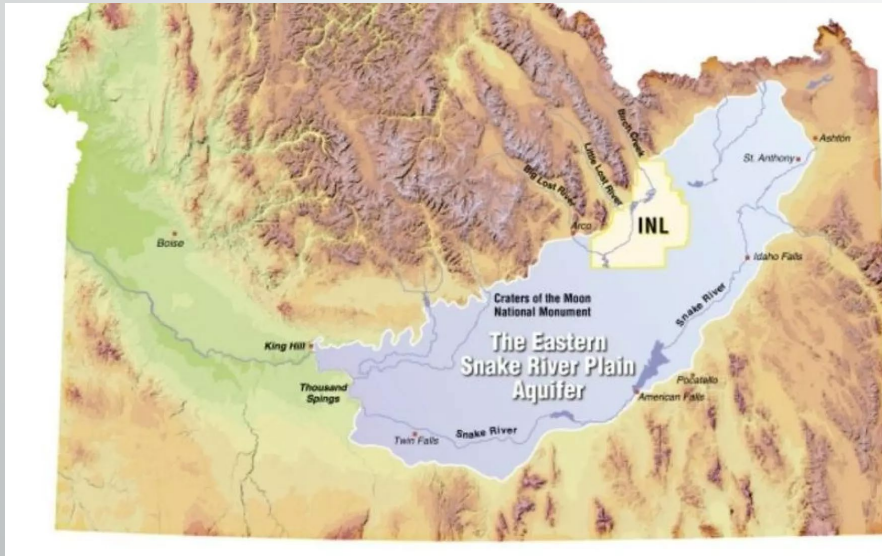
April 2023 Water Call ;
“Perception Meets Realty”



IGWA Was Formed With The Enactment of The Ground Water District Act In 1995

- Empowered districts to defend against delivery calls.
- Allowed districts to develop and implement mitigation plans.
- Prevented curtailment of wells through approved mitigation plans.

IGWA Represents Ground Water Users From Yellowstone Plateau To Thousand Springs



- Expansive association of ground water users.
- Ten ground water districts, one irrigation district, cities, and industries.
- Irrigators farm approximately 1,000,000 acres of land.

When “Perception And Reality Meet” Both Parties Must Eventually Deal With Reality



ESPA Methodology Order Determines How Many Ground Water Rights Must Be Shut Off

- Predicts the amount of water available to SWC each year.
- Estimates the amount of ground water SWC needs to grow crops.
- Determines if the predicted water supply is less than the water demand.
- Shuts off ground water wells to provide more overflow in the American Falls area.



IDWR-Approved Mitigation Plans Can Safeguard Against Curtailment

- Junior-priority ground water users avoid curtailment by implementing an IDWR-approved mitigation plan.
- IGWA, Southwest Irrigation District, Coalition of Cities and Industries have implemented approved mitigation plans and avoided curtailment to date.


April 21, 2023, Methodology Order Drastically Increased the Number of Ground Water Users Impacted

- Requires corrective action in a shorter period of time.
 - 12/30/1953, 75KAF shortfall.
 - Recent calls.
 - 5/1/2022 162KAF 12/25/1979
 - 7/1/2022 56KAF 3/12/1989
 - 8/24/2022 131KAF 3/25/1981
 - 11/20/2022 49KAF 5/31/1989



Meeting The Needs Of The SWC While Keeping Ground Water Acres In Production

- Idaho's water resources are owned and managed by the State for the benefit of all citizens.
- Resolution requires state leadership and funding.
- All water users must become more efficient.
- Bring everyone to the party.



IGWA Ground Water Management Plan May Impose Conservation Obligations That Are Separate And Apart From The SWC Delivery Call

- Place moratorium on new developments.
- Install water meters on all groundwater wells.
- Embolden conservation to reduce demand.
- Increase recharge capabilities in the upper Snake River valley.

Ground Water Pumpers Will Face Many Challenges in the Coming Years

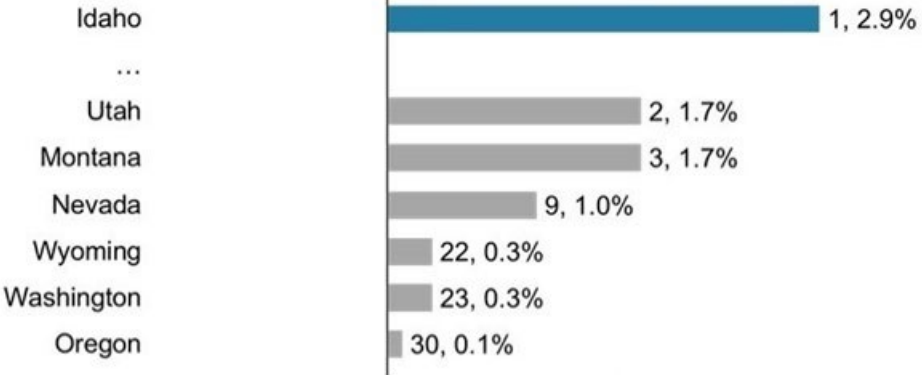
- ▶ Precipitation trends are projected to decrease.
 - ▶ Over the past 40 years, snowpack has declined by about 25% over the Western states.
 - ▶ Potentially severe sustained droughts will decrease water availability.
- ▶ Rapid population growth will put additional pressure on limited water resources.
 - ▶ Idaho is one of the fastest-growing states in the West.
 - ▶ Migrant influences will shift water use.
 - ▶ Endangered species protection will require additional water use.



Idaho's Population Growth is Number One When Ranked With Neighboring States

State Population Growth

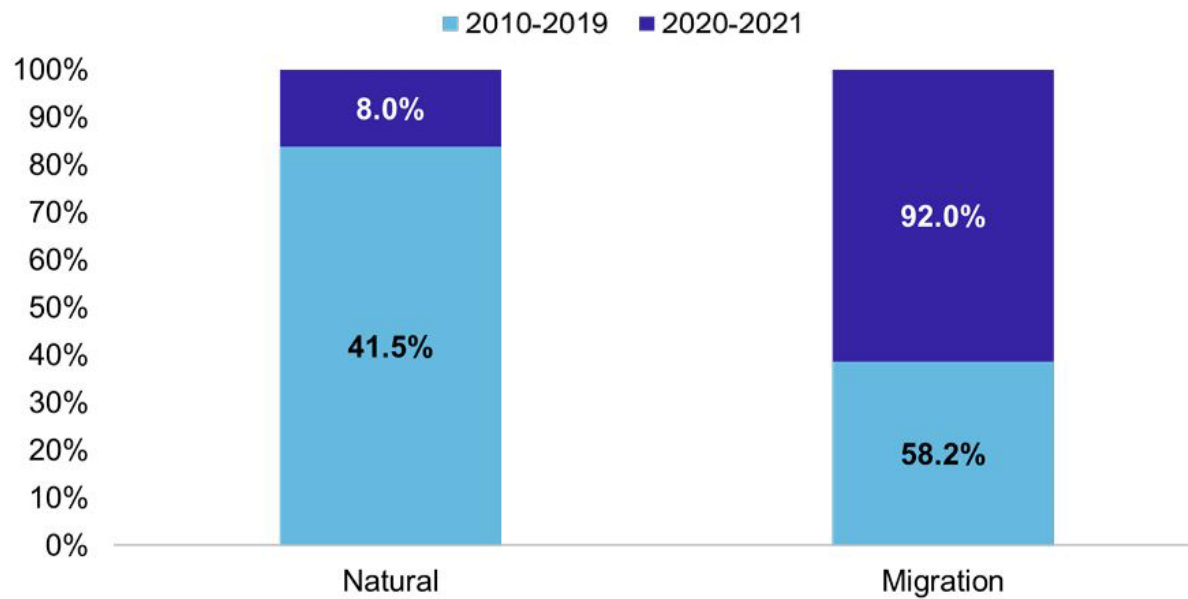
Percentage Growth 2020-2021 with Rank, Idaho and Neighboring States



Source: US Census Bureau

Migration From Other States Is Now The Major Driver of Population Growth In Idaho

Drivers of Growth



Source: US Census Bureau

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Ground Water Is An Irreplaceable Resource

- Ground water is invisible, but its impact is visible everywhere.
- Out of sight, under our feet, ground water is a hidden treasure that enriches our lives.
- Ground water may be out of sight, but it must never be out of mind.
- As seasonal precipitation lessens, ground water will become a more critical asset.
- We need to work together to sustainably manage this precious resource.



Questions?