

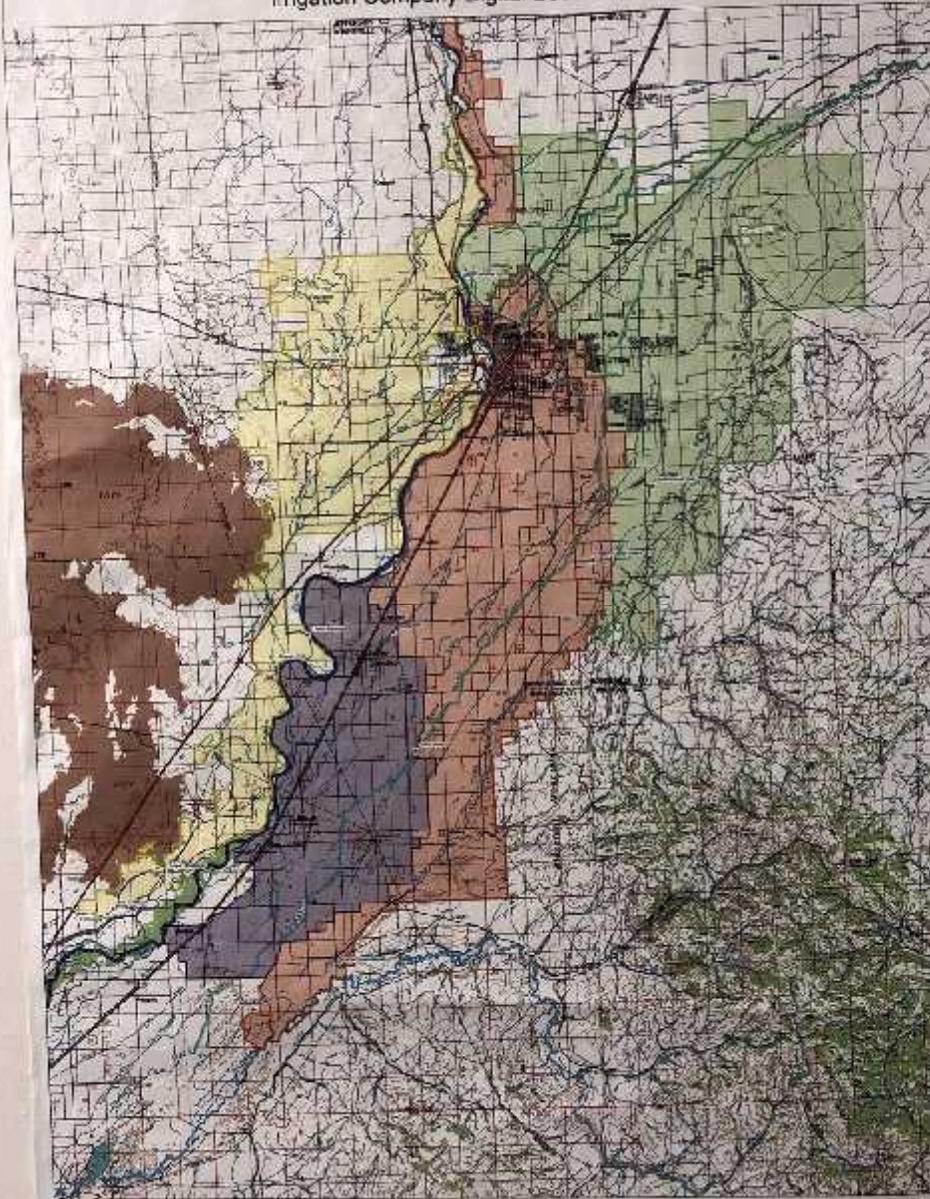
Idaho Irrigation District (IID)

Alan Kelsch
Chairman

IID

- 35995 acres have entitlements to divert water from the District.
 - Water is appurtenant to lands and not persons owning lands.
 - District owns water rights and storage contracts.
 - Title 43 is dedicated entirely to Irrigation Districts.
- Divert from East side of Snake River at southern end of Jefferson County extending through Bonneville & Bingham Counties extending to Blackfoot River.
- Natural flow water rights dating back to 1888.
- Storage contracts in American Falls, Jackson, & Palisades.
- System located on East side of the Snake River and encompasses City of Idaho Falls and includes parts of Ammon.

Idaho Falls Area Irrigation Company Digital Boundaries



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Irrigation Company
Brown - Snake River
Yellow - Snake River
Blue - Snake River
Green - Snake River

Legend
● Irrigation Company
○ Irrigation Company
--- Irrigation Canal
--- Irrigation Canal
--- Irrigation Canal
--- Irrigation Canal
--- Irrigation Canal

IID Perspective On Water Supply Alternatives

- Ag base is shrinking –
 - Farmers reliant on agriculture for income.
- Rural residential is increasing.
- DCMI is expanding
 - Domestic – growing number of wells.
 - Commercial – Definitely growing?
 - Municipal – Definitely growing!
 - Industrial – Limited due to water???
- IID has patrons which fall into all these categories.

Domestic?

- 42-111
 - 13000 gallons per day
 - ½ acre limit
 - Multiple ownership subdivisions <.04 cfs or 2500 gallons per day
 - Mobile home parks subdivisions <.04 cfs or 2500 gallons per day
 - Commercial or business subdivisions <.04 cfs or 2500 gallons per day
- Increase Rural Residential
 - More domestic well needs
 - Increase strain on aquifer

Commercial?

- IID has had little requests from Commercial interests to date.
- Reasons:
 - Primarily fall under the domestic exemption?
 - Annexed by City?
 - Mitigated by water right transfer or own mitigation plan?
- Needs could very well change in the future.

Industrial?

- IID has worked with one large Ag industrial user.
 - Original Mitigation Plan called for drying up lands owned within IID as mitigation for ground water pumping.
 - AG user was not to happy with drying up prime barley producing lands especially right next door to a multi million dollar facility.
 - Subsequent Mitigation has involved in IID water rental as direct mitigation to impacts of ground water pumping in lieu of drying up farm land.

IID Perspective

- Not to agreeable to drying up lands and sending water down the river.
- IID agreed to a 5 year water rental agreement as an interim solution.
 - We are now in year 4 of original agreement.
 - Rate based on the Tier 3 Rental Pool rate plus all fees.
 - Supply based on an IID 50% storage supply carryover & 80% April 1 Heise forecasted runoff.
 - Subsequent year impacts from rental are paid to IID at the rental pool tier 3 rate.
 - IID has supplied rental water every year so far.

IID Water Rental Problems?

- Existing Patrons – Ample supply.
- Cautious about long term commitments. Dry years?
- Limited rental water available. Too many rentals?
- Impacts due to previous year rentals.
- Rentals and Mitigation Plans affect base flows in Canal system. At some point we cross the threshold of not enough water to supply ample water to patrons at the end of our system.
 - Estimated losses 30-40%?

Municipal?

IID has had several discussions with the City of Idaho Falls over the past years.

- City is a patron who currently has 500-1000 acres serviced by the District.
- Past discussions centered around participation in a mitigation plan to send water as mitigation downstream.
 - IID focused on the fact that this was not a viable long term plan we wanted to participate in.
- Looked at dual systems.
 - Toured Nampa-Meridian Irrigation District.
 - Was not a direction we wanted take.

- City has grown and annexed new lands.
 - Historically, lands were excluded from IID as City annexed these lands.
 - City decided to agree with developers and land owners not to exclude from IID.
- This left IID in dilemma as to how to handle assessments etc.?
- IID and City began meeting & commenced discussions about 2 years ago as to how District and City could work together.
- Resulted in early 2017 Water Use and Assessment Agreement between IID and City of Idaho Falls.

Water Use and Assessment Agreement

- Every City Subdivision as it is annexed - a separate agreement is considered and may be executed.
- Developer, City and IID are signers of the agreement.
- Property is not excluded from IID as it is annexed into the City.

Water Available to City.

- Use of IID junior natural flow water right. June 1, 1922.
- CFS p/acre available = IID Snake River Water Rights / IID acres
 - $1430 \text{ cfs} / 35995 = .03972774 \text{ cfs}$
- Maximum 4 acre feet per acre in a season.

City Obligation

- No diversion of natural flow water to lands serviced by the agreement.
- No diversion of storage water to lands serviced by the agreement.

City Allowed Use Of Water

- Mitigation Plan. For a mitigation plan authorizing ground water recharge approved pursuant to Rule 43 of the Department's *Rules for Conjunctive Management of Surface and Ground Water Resources* found at IDAPA 37.03.11.
- Managed Recharge. For managed recharge for purposes other than a Rule 43 mitigation plan in which the available water is delivered into a pond, pit, or other facility which permits the water to sink into the ground.

Recharge

- City would operate recharge site either through owning or private recharge site partnerships.
 - Recharge has to occur within the service area of the District.
 - IID would be responsible to deliver water to recharge site.
 - City responsible for reasonable conveyance losses.
- City indemnifies District and Developer from recharge activities.
- The District and City also agree to work in good faith to allow the District to use a City recharge facility for other managed recharge events sponsored by the District...
- Mitigation Benefits/Credits Owned By The City. The mitigation benefits, or credits, accruing as a result of the City's ground water recharge activities shall be owned by the City and used by the City in its sole discretion unless otherwise agreed to by the Parties.

City Responsible For All Costs

- Administrative fee and/or any other fees charged by the Water Supply Bank to the District for submission of the lease/rental applications.
- The City agrees to bear all expenses necessarily involved with the delivery of water pursuant to this Agreement from a present District facility or canal to all places of use for the ground water recharge water.
 - acquiring any necessary easements, rights-of-way, permits;
 - construction of necessary canals, ditches and access easements;
 - required water quality monitoring;
 - necessary measurement devices, head gates and pumping stations;
 - all labor and materials required.
- IID assessments are paid by the City.
- Voting rights are waived by City.

Plat Recording

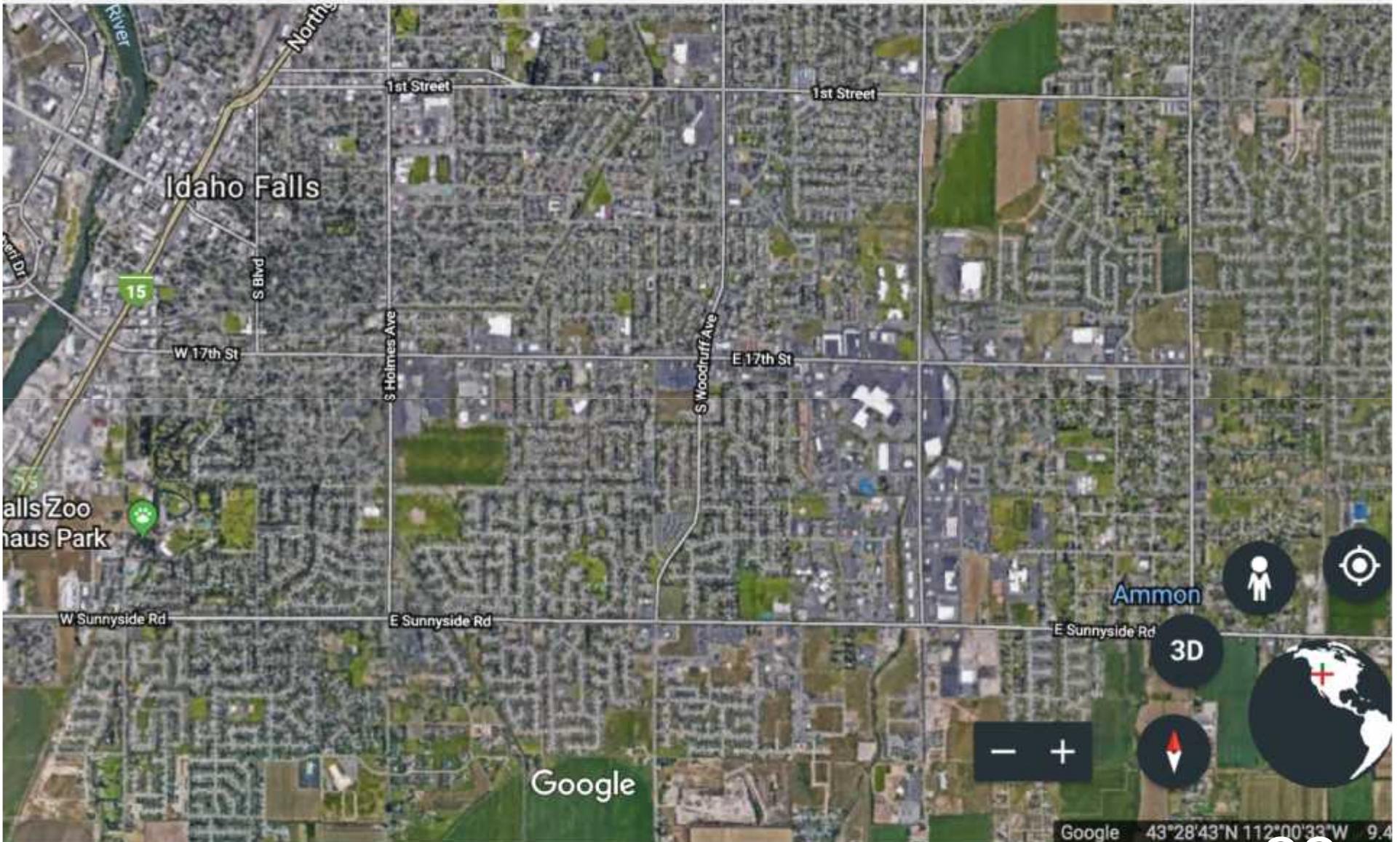
- Notice is hereby given that all lots or property included in this plat are within the Idaho Irrigation District and that the water delivery system of the City of Idaho Falls, Idaho constitutes a suitable water delivery system for such lots and property. The system installed shall be approved by the City in compliance with I.C. § 31- 3805. All property within the plat, excluding streets, will remain subject to assessments levied by the Idaho Irrigation District. The City shall pay all assessments for the property in this plat to the Idaho Irrigation District unless the City files a petition requesting exclusion of the property, or any portion thereof, from the District, which the City reserves the right to do at any future date. All rights to vote in District matters are transferred to the City and none shall be retained by owners of any lots or property within this plat

Recharge Opportunities - IID

- Recharge application #77178 pending with IDWR. Filed 4/1/2011 – 300 cfs.
- Canal system. Idaho Canal 25-30 cfs. Limited by irrigation water deliveries and Winter Water Savings.
- Gravel pits within IID service area.
 - Valley Ready Mix.
 - Hayes Pit.
 - H-K Gravel Pit.
 - Burns Bros.
 - City storm drainage ponds.

IID Summary

- Mitigation water sent down river doesn't help the aquifer here.
 - Wells go dry? Drill deeper is not an option.
- Recharge within IID service area.
 - Domestic
 - Commercial
 - Municipal
 - Industrial
- Work with Cities to explore options to address needs.
 - Rental water to address near term needs.
 - Water Use Agreements to work for long term needs..



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