



LOWER SNAKE RIVER COMPENSATION PLAN



FISH FOR THE FUTURE

MATT HOW GRAPHIC - USFWS



IMNAHA WEIR - KURT BOYD

Lower Snake River Compensation Plan

FISH FOR THE FUTURE

COORDINATOR'S CORNER



Perspective
makes anything
possible.....

It's been a great month. I had a chance to visit a few more of you before COVID took a turn for the worse. We may be buckled down in Boise for a awhile. Great stuff happening at the Lyons Ferry Complex, Irrigon, Lookingglass, and Tuccannon Fish Hatcheries. Keep it up!

Squarely on the LSRCP radar is the current budget climate. We don't have what we want, and frankly, we don't have what we need to maintain our current operations. That's not where any of us want to be.

I'll do whatever it takes to find the resources to meet adult goals. And who knows, we're living in a pretty nice neighborhood, and just got a new black lab puppy - that combination could get some change thrown my way.....

But seriously, we need to address resources on all fronts. I'm committed to making LSRCP the best place to invest limited Fish and Wildlife budgets. And, to get there, we'll need to keep critically examining every piece of our operations towards meeting adult targets. That's the mission we've been charged with, and I know all of you are committed to giving it 100%. We may be feeling broke, but we've still got a lot of resources in play - let's see how we can make the best of those.

Please block out April 27-29, 2021 on your calendars for the Annual LSRCP meeting. We'll meet one way or another during that timeframe - hopefully in-person here in Boise.

Keep up the great work and I'll keep rattling the can for Fish for the Future!

Stay safe and have fun out there!

Nate

SUNRISE OVER LOWER GRANITE DAM



LOWER GRANITE

ELIZABETH HOLDREN, ACOE, EXPLAINING THE POWERHOUSE FISH BYPASS SCREENS



November found Nathan Wiese and Mark Robertson visiting the Lower Granite Project with hosts Elizabeth Holdren, Ann Setter, Eric Hockersmith, and Chris Peery.

Lower Granite Project	
Currently Generating	270 MWs
Provides Power for Approx.	23 001 Homes
Year to Date Generation	1 202 251 MWs hr
Year to Date Approx. Value	22 640 000 Dollars
Lower Granite Yearly Budget Approx.	14 000 000 Dollars
Juvenile Fish Transported	3 819 114 Fish
Year to Date Lockages	234 Times
Water Currently Being Spilled	0 GPS
Year to Date Adult Fish Passage	141 063 Fish



INSIDE THE BUSINESS END OF THE BARGE.....WHERE THE FISH RIDE!

It was a record year at Granite for passing fish through bypass operations. That drove overall transport (truck and barge) rates to 39% of the 10-year average. And, the new detection system below the Removable Spillway Weir interrogated 158,124 PIT tags - working swimmingly by all accounts.

The Project itself is certainly a marvel of engineering right down to the fish bypass systems. But, overlooking the Snake River from the Dam top, is a stark reminder of the journey LSRCP smolts endure down the migration corridor. We've got a lot of allies at the Project, but we still need a relentless approach exploring optimal strategies in smolt condition, release timing, and passage. The water power required to produce 270 MegsWatts of power requires hard hats, steel-toed boots, and life jackets for human visitors. With that strategy, most humans survive their Lower Granite experience, and we're on pathways that ensure most smolts do too!

THE BARGE FLEET - PARKED FOR THE MAINTENANCE SEASON



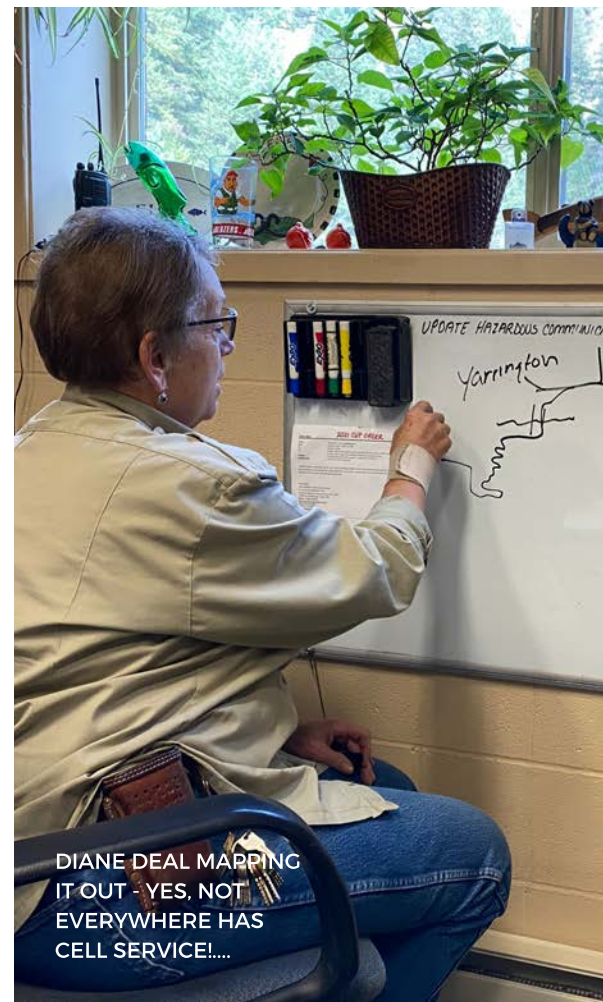
FY21 ASSET PLAN

LOOKINGGLASS ENDEMIC TANKS

A lot goes into making the Asset Management Plans and deciding the highest priorities for the LSRCP program. Thanks for the help and input on the process. Through your efforts to maximize efficiencies and report expenditures, we were able to increase (22%) our FY21 projections to address infrastructure deficiencies. The table list cost estimates that change as we get further into projects. This creates quite a bit of fluidity as we move through the Fiscal Year. As always, if you have questions/concerns, please reach out to our staff.

LSRCP FY2021 Asset Management Implementation Plan

FACILITY	PROJECT TITLE / DESCRIPTION	COST ESTIMATE
Irrigon FH	Fire Alarm System	\$45,000
Lookingglass FH	Radon/Fire/Tanks	\$50,000
Sawtooth FH	Plunge Pool/Valves	\$190,000
Lyons Ferry FH	Marmes/Intake/Netting	\$1,740,000
Tucannon FH	Access Road Repair	\$20,000
Dayton Pond SF	Repair Dayton Dam	\$225,000
South Fork SF	Electric Upgrades	\$10,000
Imnaha SF	Repair Fish Ladder	\$5,000
Little Sheep SF	Rock Weir Work	\$20,000
Magic Valley FH	Replace Bulk Feed Bin	\$25,000
McCall FH	Valves/Settling Pond	\$45,000
Clearwater FH	Drum Filter Replace	\$40,000
Hagerman FH	Dorm	\$175,000
Dworshak	Scissor Life/Spawning/Etc	\$19,700
ALL FACILITIES	Inspect Primary Pipelines	\$300,000
ALL FACILITIES	PERSONAL PROPERTY RE	\$290,300
Total		\$3,200,000



DIANE DEAL MAPPING IT OUT - YES, NOT EVERYWHERE HAS CELL SERVICE!...



THE MARMES SITE - LYONS FERRY FH

RELEASE SIZE



Looking across the LSRCP program, we utilize multiple strategies to achieve our spring/summer Chinook adult mitigation goals. That can mean fish per pound (fpp) release targets ranging almost 2-fold.

There are certainly multiple ways to grow a Chinook smolt or even skin cats, but we want to keep examining what the most efficient and effective methods out there. Thanks to everyone that has started taking a deeper dive into some of these datasets; I expect we'll see some new studies/approaches coming out of these efforts to maximize the use of our existing infrastructure and keep stretching towards those adult mitigation targets.

Facility river miles are available from the USGS Streamer Site:
<https://txpub.usgs.gov/DSS/streamer/web/>



Spring/Summer Chinook Fish Per Pound (FPP) and Smolt to Adult Survival (SAS)

Facility	FPP	SAS	River Miles
Lookingglass	25.5	0.90%	532
McCall	20.1	0.88%	670
Dworshak	19.8	0.58%	454
Sawtooth	20.0	0.34%	847
Clearwater	16.2	0.33%	454
Lyons Ferry	13.4	0.22%	373

SUCCESS IS NOT FINAL; FAILURE IS NOT FATAL: IT IS THE COURAGE TO CONTINUE THAT COUNTS.....



GrantSolutions COVID-19 Support

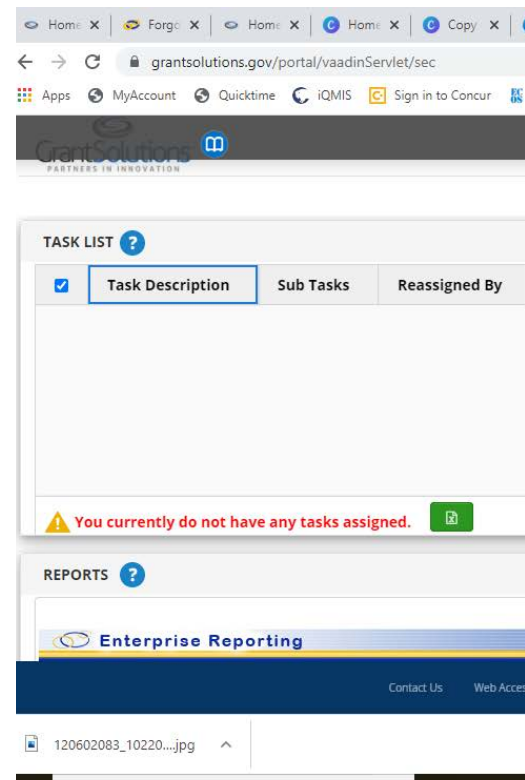
GrantSolutions Partners and recipients are the top priority. GrantSolutions will continue to provide uninterrupted grants management support during

If you have no idea what Grants Solutions is, you either have someone in your organization that is taking care of it for you, or you haven't done it yet. Hopefully its the former rather than the latter.

The USFWS and Department of Interior have been working on efforts to standardize their Administrative Functions. The overall effort is called the Joint Administrative Operations (JAO). Basically, Interior is looking for efficiencies by not reinventing the wheel in every Agency like USFWS, Bureau of Indian Affairs, Bureau of Land Management, etc.

In any case, big changes are never efficient in the onset, and this effort is no different. Although well-named, Grants Solutions, has been causing more hiccups than solutions in this first go-round. Be prepared for some collateral damage from new eyes looking at agreements that have been in-place for multiple years. We've already run into some of those, and I expect there is more to come as we get new reviewing officials. Hang in there, we're all in this experiment together, and hopefully we'll come out the other end in a more steam-lined process.

So, if you don't have a Grants Solutions login - consider yourself lucky. AND, be sure to find out who is doing it for you. You owe them a thank-you and a cold beer for all the headaches they saved you!



**WHAT THE WORLD REALLY
NEEDS IS MORE FISH AND
LESS PAPERWORK....**

- ANONYMOUS



TUCANNON RIVER

LSRCP STAFF

IRRIGON PLC SYSTEM - ROY SKENDZEL

EMPLOYEE SPOTLIGHT - Roy Skendzel - ODFW

Roy Skendzel has been a Facility Ops Specialist within LSRCP for 13 years after his jump from running a successful machine shop business. At Irrigon Hatchery, Roy's heat exchanger installation created an 84% efficiency gain in water chilling and his VFD installations have saved upwards of \$40,000 annually in pumping costs. Roy's work in alarm systems can be seen throughout the LSRCP program and he was recently awarded a Pride Award from ODFW.

"Roy tirelessly finds ways to improve our operations through innovation" says Assistant Manager, Keenan Schmidt - I couldn't say it better myself - Thanks Roy!

WE'RE STILL HAVING FUN, SO I'LL BE AT THIS FOR A LONG TIME.....

ROY SKENDZEL - IRRIGON FISH HATCHERY



ROY CONTEMPLATING THE NEXT BIG THING TO HELP FISH FOR THE FUTURE



DEMONSTRATING TEMP CONTROL

LSRCP Staff

Nate Wiese - *Coordinator*

Anna Copeland - *Procurement Specialist*

Brian Delvin - *Budget Analyst*

Chris Starr - *Operations and Maintenance*

Mark Robertson - *ESA Coordinator*

Rod Engle - *Science Coordinator*



IRRIGON CHILLER SYSTEM