

Central Oregon Farm Fair and Trade Show

February 1-2, 2023

North Unit Irrigation District

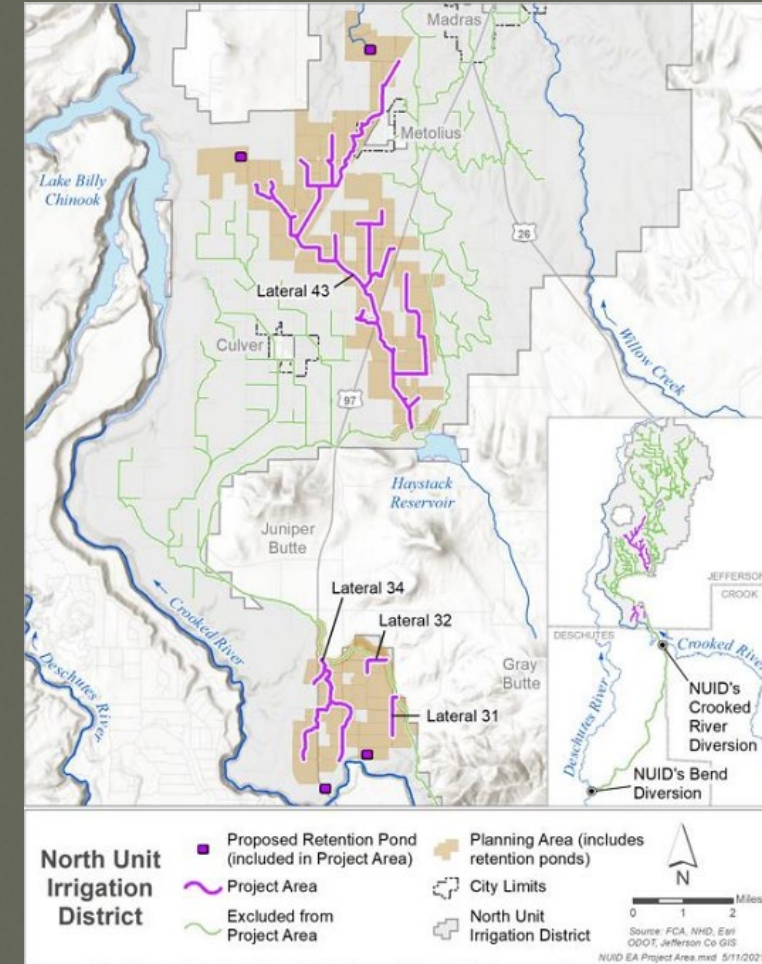


Farm Fair 2023 Topics

- Watershed Protection and Flood Prevention Program PL-566
- Lake Billy Chinook Concept Update
- Haystack Reservoir Update
- 2022 Water Year Recap
- Current Water Conditions/Comparisons
- HCP Update
- CBD Letter of Intent

Watershed Protection and Flood Prevention Program PL-566

- NUID has received a Finding Of No Significant Impact (FONSI) from NRCS concerning our Watershed Plan.
 - Federal funds (25M) can be accessed.
 - Additional info on NUID Website & Farm Fair Booth.
- NUID staff are working with consultants and BOR/NRCS Engineers to complete survey, mapping, design, and engineering reviews.
- Anticipate a November 2023 start for Project Group 1 (Lateral 43).
- Overall, 27.5 miles of pipe and 18.7 CFS will be conserved. 25% or 4.7 CFS for instream purposes.
- Upgrade 153 turnouts.



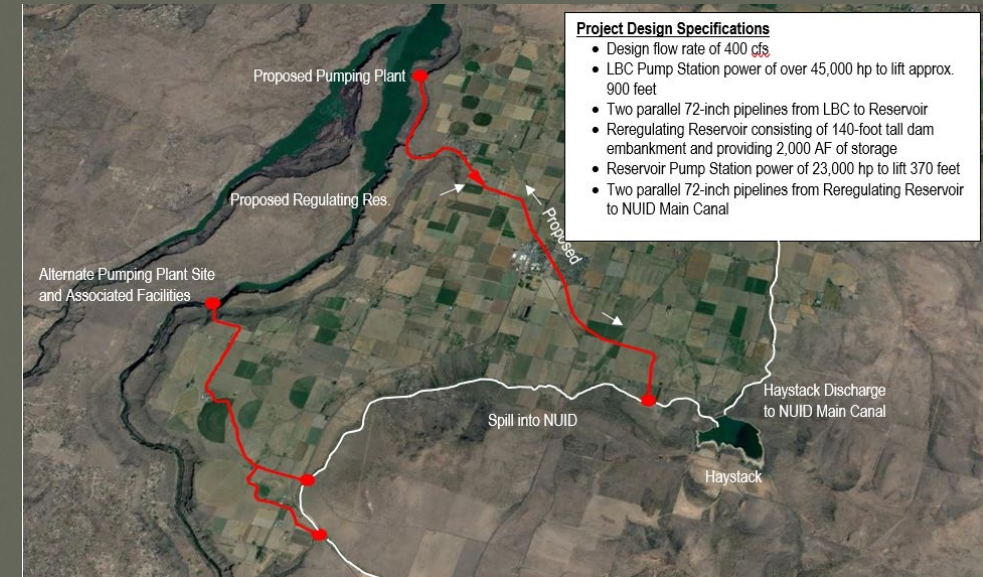
Project Group 1: Lateral 43

- 113,167 Feet of pipe to install.
- 3 pressure-reducing stations.
 - Once enough Head is gained, the design parameters are between 40-100 PSI.
- 2ea ponds constructed for dewatering/winterization.
- Remove operational spills on the existing system.
- 3-4 years to construct.



Lake Billy Chinook Concept

- NUID staff and consultants are currently working with various agencies to complete the Appraisal Study.
- 10% design has been completed and is currently under review by BOR Technical Service Center (TSC)
- Work is progressing on the Economic study by NUID staff, DRC, OSU, and ECONorhwest.
- Appraisal and economic study funding has been secured through OWEB/BOR Grants.



Haystack Update

Inspections/repairs have been completed.

Gates are closed, and the Reservoir is being slowly filled by natural springs.

Once conditions allow, NUID will begin the refill process by diverting water from our Bend Diversion.

We anticipate the Reservoir to be partially full by the end of March.

ODF&W will re-stock the reservoir with 9,000 Rainbow trout in Early April.

NUID will be performing a short flush to remove silt from the outlet works. We expect this to occur in early March.



2022 Water Season Recap

- April 4, 2022 Wickiup Reservoir highest elevation 110,244 AF.
- Prineville Reservoir storage 3,877 AF (Normally 10,000 AF).
- March 29, 2022 Allotment set at .45 Deschutes River (DE) and .23 Crooked River (CR).
- April 22, 2022 Free water day.
 - Demand increased 327.45 CFS in less than 12 hours.
 - April 23, 2022 demand decrease -243.05 CFS.
- May 20, 2022 Additional .05 added to allotments (DE .50/CR .25).
- June 14, 2022 Additional .05 added to allotments (DE .55/CR .28).
- September 30, 2022 Additional .10 added to allotments (DE .65/CR .33).
- October 11, 2022 Free water week.
 - 3,282.37 AF Water delivered on farm!
- Water diverted 110,636.34 AF –Water delivered on farm 36,359.06 AF

North Unit Irrigation District								
YEARLY WATER USAGE TOTALS								
10 Year Period								
YEAR	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	TOTAL
2012	3,487.10	24,113.12	17,952.84	24,610.30	24,301.60	16,088.72	8,653.21	119,206.89
2013	14,030.79	25,128.88	22,730.65	25,625.15	20,064.59	11,490.49	1,190.13	120,260.68
2014	4,641.27	24,115.94	24,328.54	21,500.95	19,939.51	14,956.48	7,925.61	117,408.30
2015	13,909.75	19,467.23	25,015.17	19,803.70	18,459.97	12,850.37	3,022.26	112,528.45
2016	13,854.82	15,371.85	19,588.78	18,670.07	22,543.61	13,685.63	3,721.65	107,436.41
2017	3,487.13	22,841.21	20,443.08	24,081.64	23,378.43	12,571.96	6,495.94	113,299.39
2018	10,165.35	23,153.78	20,996.81	21,449.73	18,997.25	13,817.37	4,111.85	112,692.14
2019		13,806.00	16,667.00	14,388.00	14,262.00	9,799.00	3,163.00	72,085.00
2020	11,012.08	12,260.65	8,750.12	12,460.03	10,502.16	7,588.92	4,999.16	67,573.12
2021	9,003.50	12,583.92	11,068.43	4,392.36	3,107.05	-	6,822.64	46,977.90
2022	2,611.94	7,185.46	5,192.59	5,769.16	4,844.04	4,306.77	6,449.10	36,359.06
Average	6,407.84	19,648.55	22,484.22	22,748.37	17,368.58	13,512.09	7,233.41	109,403.05
10yr avg	8,252.75	17,630.72	17,528.50	16,852.94	15,596.54	10,083.70	5,054.81	90,999.96
Minimum	-	6,101.91	5,192.59	4,961.35	3,157.87	-	1,190.13	36,359.06
Maximum	16,877.20	33,032.10	42,397.50	41,203.60	24,301.60	23,741.60	16,460.70	167,577.10

Wickiup Reservoir Comparison

Month	%Snow	Wickiup	Allotment	Date Lowest	Wickiup Lowest
April 8, 2014	60%	200,000	2.25/1.25	Sept. 25	48,401
April 14, 2015	13%	199,658	2.25/1.25	Oct. 3	16,419
April 12, 2016	76%	173,336	2.25/1.25	Sept. 27	19,614
April 11, 2017	128%	172,733	2.50/1.50	Sept. 14	66,379
April 10, 2018	63%	197,081	2.25/1.25	Oct. 11	2,682
April 9, 2019	106%	138,080	1.50/0.75	Sept. 18	16,419
April 6, 2020	73%	140,482	1.25/0.50	Sept. 13	2,585
April 9, 2021	18%	115,134	1.00/0.50	Aug. 31	2,882
April 9, 2022	73%	109,510	0.45/0.23	Oct. 10	6,599

Water Year Allotment Comparison

Month	%Snow	Wickiup	Allotment		
April 14, 2015	13%	199,658	2.25/1.25		
April 12, 2016	76%	173,336	2.25/1.25		
April 11, 2017	128%	172,733	2.50/1.50		
April 10, 2018	63%	197,081	2.25/1.25		
April 9, 2019	106%	138,080	1.50/0.75		
April 6, 2020	73%	140,482	1.25/0.50		
April 9, 2021	18%	115,134	1.00/0.50		
April 9, 2022	73%	109,510	0.45/0.23	+.05/+.05/ +.10	+.02/+.03/ +.05
				DR	CR

NUID Crop Data

CROPS	2019 Acres	2020 Acres	2021 Acres	2022 Acres
Cereals	949	914	1,652	5493
Forage	24,740	22,814	18,256	15,371
Misc. Field Crops	1,337	918	856	663
Vegetables	661	643	608	273
Nursery	367	296	317	627
Seeds	17,491	16,924	15,976	10,627
Hemp	1,901	429	113	0
Non Ag/Not Harvested	3,658	2,389	1,877	1,684
Fallow	7,783	13,560	19,226	24,149
Total	58,887	58,887	58,887	58,887

Deschutes Basin and HCP Update

- NMFS Permit issued in November of 2022
- COID Plans to pipe their L Lateral this year and will conserve an additional 2 CFS.
- Fall of 2023, AID will start phase 1 of a 5-year piping project. Projected water conservation will be 5.6 CFS. Total project conservation will be 32.5 CFS. NUID will begin receiving conserved water in 2024.
- LPID Has begun construction of a 3-year piping project. Projected water conservation is projected to be 5.2 CFS.
- Working with USF&W, outflows at Wickiup Reservoir were reduced to 105 CFS. The conserved water will be released for biological purposes at a date TBD by USF&W.



CBD Letter of Intent

- DBBC responded on January 13, 2023 to Center for Biological Diversity (CBD) Notice of Intent to Sue.
- Please see the alert tab on NUID's website for more information.



January 13, 2023

RE: 60-Day Notice of Intent to Sue

On January 12, 2023, the Center for Biological Diversity (CBD) sent a letter to the U.S. Fish and Wildlife Service (Service) and the U.S. Bureau of Reclamation (Reclamation), alleging that the two federal agencies are violating the federal Endangered Species Act (ESA). Among other things, the letter alleges that Reclamation is violating the ESA by continuing to operate the Deschutes River Basin Project, and that the Service is violating the ESA because it approved the Deschutes Basin Habitat Conservation Plan (HCP) and issued an incidental take permit under the ESA to the DBBC irrigation districts. At its core, CBD's allegation is that the Service and Reclamation are not doing enough to protect the Oregon spotted frog, a species that is listed as threatened under the ESA. The letter serves to notify the Service and Reclamation that CBD intends to sue them under the citizen suit provisions of the ESA.

As required by the ESA, a party must provide 60 days' notice before it may bring a citizen suit. Thus, it appears the earliest that CBD will formally sue the agencies is March 14, 2023. We would note that CBD has not indicated in its letter that it intends to sue the irrigation districts, and as such, when CBD does file suit, the Service and Reclamation will be the defendants. Also, the letter does not allege that the districts are failing to implement the conservation measures included in the HCP or are otherwise failing to comply with the terms and conditions contained in the permit issued to them by the Service. Rather, CBD is asserting that the terms and conditions in the permit should be even more stringent than what's currently required.

The new CBD notice of intent to sue follows prior litigation brought in 2015 by CBD and WaterWatch of Oregon (WaterWatch) against the Service, Reclamation, and five of the irrigation districts. In that litigation, CBD and WaterWatch moved for a preliminary injunction to significantly alter irrigation water storage and use in the basin. The U.S. District Court of Oregon denied that motion. The litigation ended in a settlement, pursuant to which the irrigation districts agreed to complete the HCP. The HCP was completed and approved by the Service at the end of 2020, and the irrigation districts have been implementing the HCP and honoring their commitments since that time.

We will continue to monitor actions that may result from CBD's notice. In the meantime, the districts remain fully committed to following the terms and conditions contained in their incidental take permit issued by the U.S. Fish and Wildlife Service under section 10 of the ESA. Moreover, we intend to take necessary and appropriate actions to ensure that our permit remains valid and continues to provide the districts with the certainty they need to store and deliver irrigation water to their patrons.

The DBBC strongly believes that our communities should continue to work collaboratively and together from within rather than take direction from the outside, and we remain firmly committed to implementing the conservation measures outlined in the Deschutes Basin Habitat Conservation Plan.

PO Box 919 - Madras, OR 97741

Deschutes Basin Board of Control Member Districts
Arnold Irrigation District • Central Oregon Irrigation District • Lone Pine Irrigation District • North Unit Irrigation District
Odessa Irrigation District • Swallow Irrigation District • Three Sisters Irrigation District • Tumalo Irrigation District
DBBC President - Craig Horrell, 541-548-6047; chorrell@cbd.org

Questions?



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