



# The Odessa Watershed Project

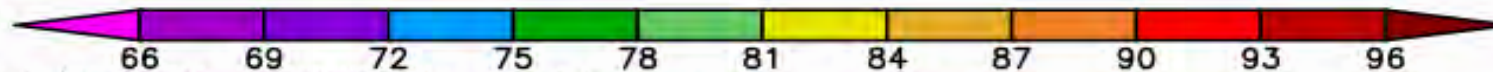
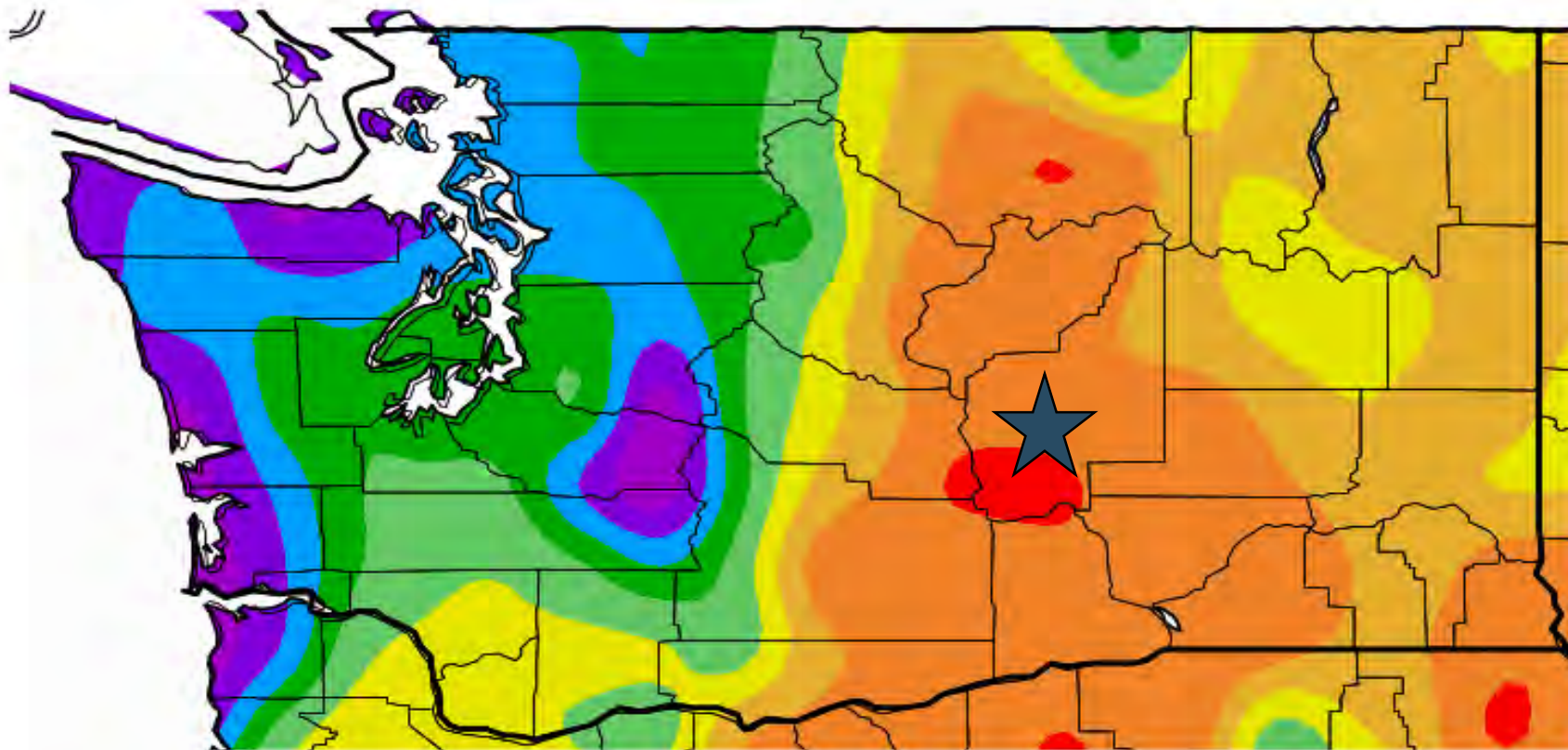
*Creating a sustainable future for  
the Columbia Basin*

Harold Crose  
Resource Conservationist



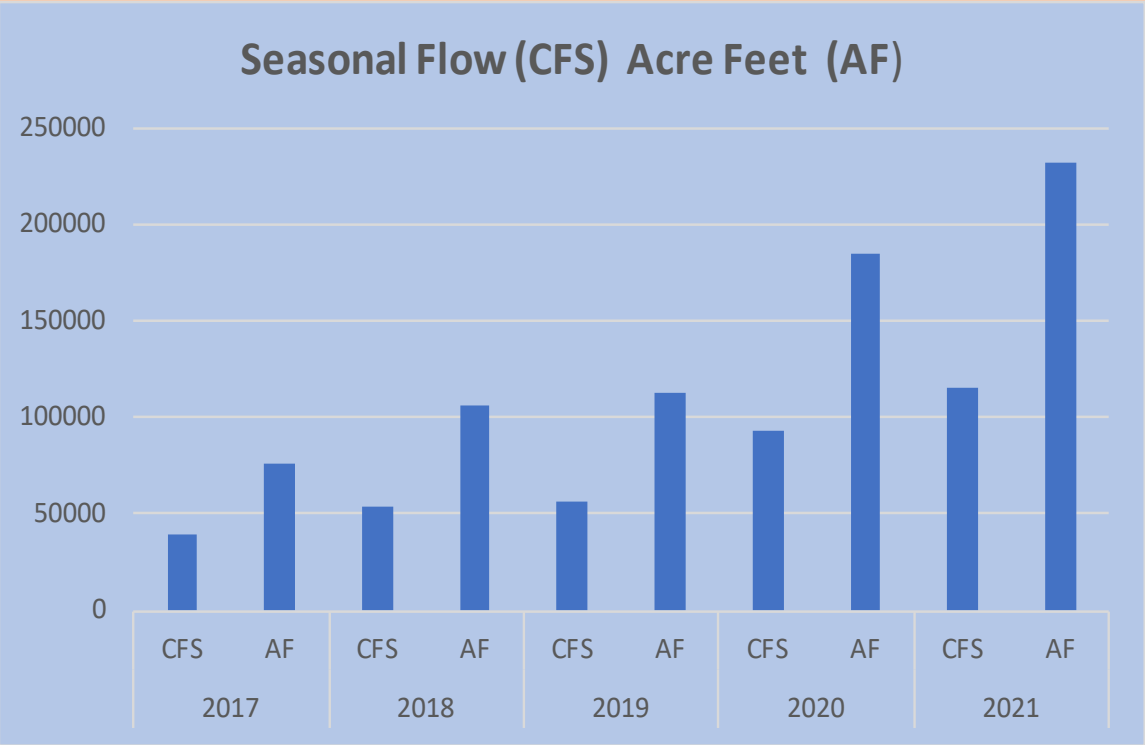
2021 Conservation Conference  
Spokane, WA

Av. Max. Temperature (deg. F)  
7/1/2021 – 9/25/2021



Generated 9/26/2021 at WRCC using provisional data.  
NOAA Regional Climate Centers

Rocky Coulee Seasonal Flow Chart									
2017		2018		2019		2020		2021	
CFS	AF	CFS	AF	CFS	AF	CFS	AF	CFS	AF
40059	76084	53319	105757	57077	113210	93323	185103	115961	231922

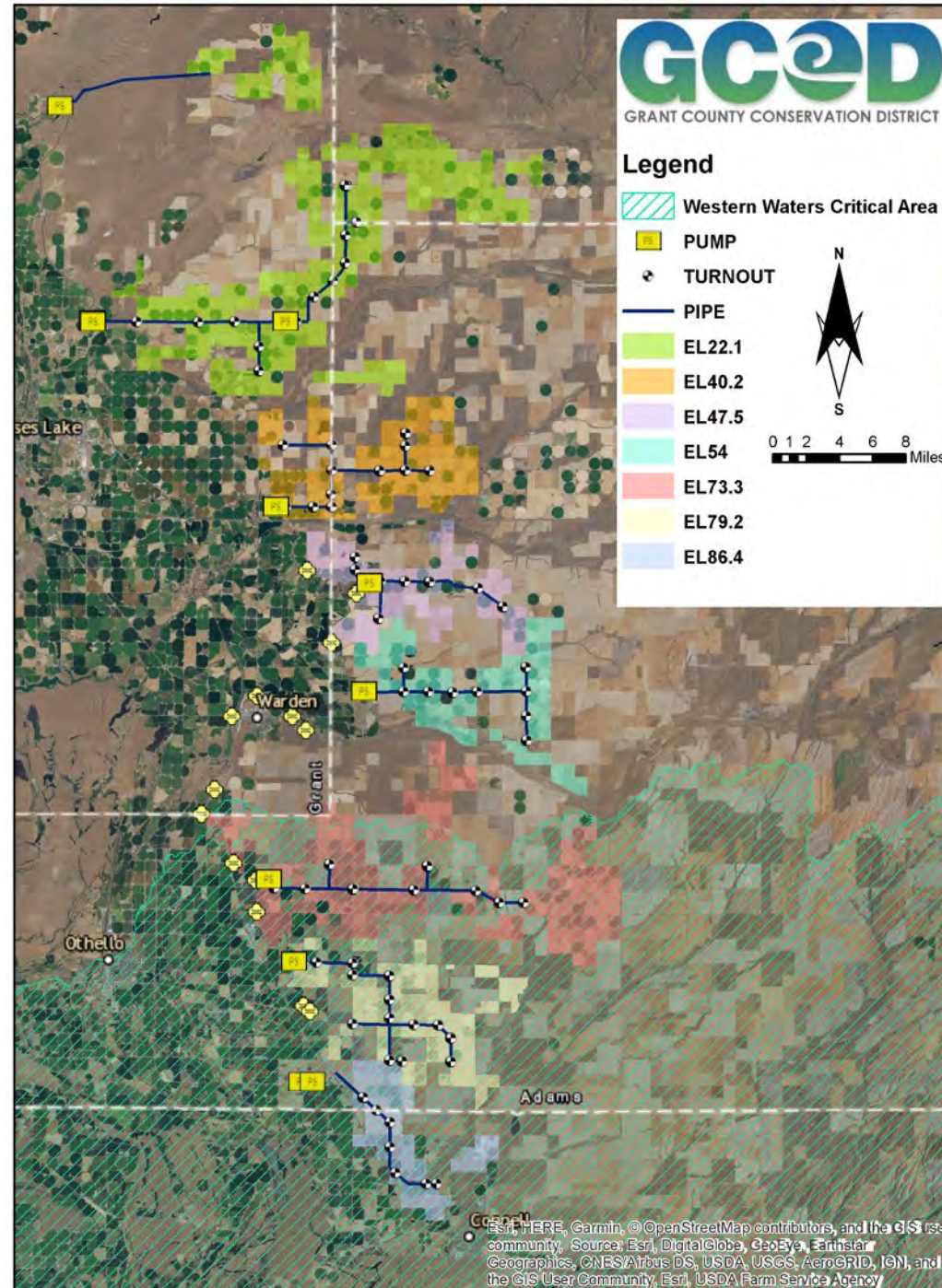
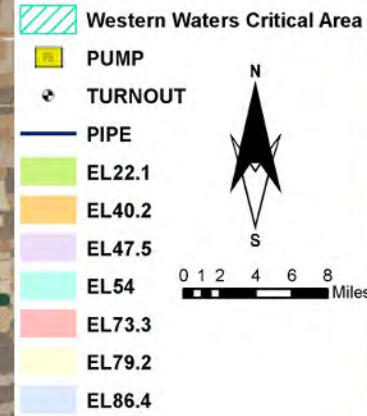








**Legend**









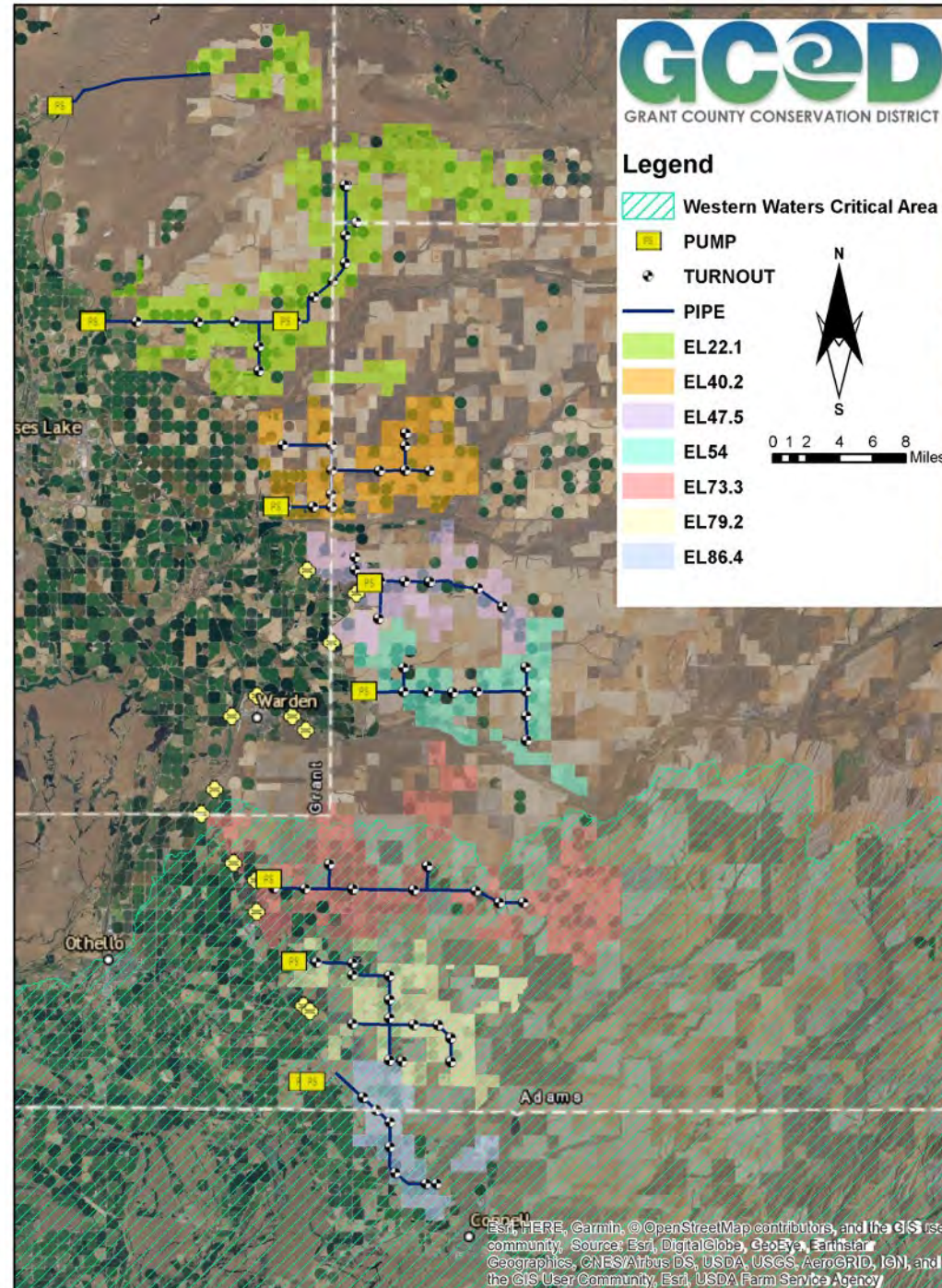
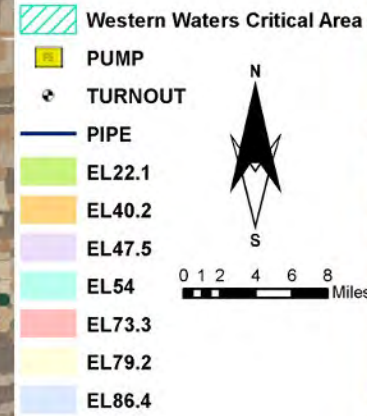








**Legend**





## Regional Conservation Partnership Program

On Farm Practice - Extent - Benefits		
1. Organic Farming	Extent: 1.5% of total land area in India (2018-19)	Benefits: 1. Improves soil health 2. Reduces chemical inputs 3. Enhances biodiversity 4. Increases farmer income
2. Integrated Farming System (IFS)	Extent: 1.2% of total land area in India (2018-19)	Benefits: 1. Maximizes land use 2. Reduces risk 3. Increases income 4. Improves soil health
3. Conservation Agriculture	Extent: 0.5% of total land area in India (2018-19)	Benefits: 1. Reduces soil erosion 2. Improves soil health 3. Reduces water requirement 4. Increases income
4. Agroforestry	Extent: 0.3% of total land area in India (2018-19)	Benefits: 1. Improves soil health 2. Reduces erosion 3. Increases income 4. Enhances biodiversity
5. Water Conservation	Extent: 0.2% of total land area in India (2018-19)	Benefits: 1. Reduces water requirement 2. Improves soil health 3. Increases income 4. Reduces risk

## 79.2 Lateral

Farm Name	New Pumps	Number of Wells Comming Off-line	Irrigati on Regula ting Reserv oir	New Pivots	New Mainlin e (ft)	Acres	ac-ft H2O Saved/ yr	RCPP Cost Share (\$)
1	1	2	1	4	13,240	1180	3540	450,000
2	1	3	0	0	23,082	775	2325	450,000
3	1	1	1	0	19,566	745	2235	450000
4	1	2	0	4	18,270	680	2040	450,000
5	6	7	0	1	16,100	2550	7650	450000
6	1	2	0	1	5280	2700	8100	237,000
7	1	0	0	1	1320	450	1350	38,400
8	1	1	1	1	12,500	600	1800	450,000
9	1	1	1	1	4390	790	2370	244,410
10	1	2	1	4	3600	460	1380	450000
11	1	1		2	8860	250	750	450000
Totals	16	22	5	19	126,208	11180	33540	4,119,810

**Total gallons saved annually = 10,929,042,540 Gal/yr**

**average transfer benefits 3ac-ft/ac/yr**

# Strong Partnerships, Significant Investments

## State of Washington

- \$105 million since 2006
- Recently appropriated an additional \$21.6 million

## US Bureau of Reclamation

- Over \$40 million since 2005

## East Columbia Basin Irrigation District (ECBID)

- Responsible for funding design and construction of the pumping plants and laterals; ~ \$400 million

## Grant County Conservation District, in partnership with ECBID

- Pursuing USDA-NRCS funding: PL-566 Small Watershed Program, RCPP and EQIP





SNOWPACK











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