ort	TYPE 1 = Reg. Drought 2 = Irrig cropland 3 = Ranchlands	Goal 1: Enough water to satisfy ag needs	Goal 2: Consistent and predictable water supply for ag activities	Goal 3: Optimize ag profit with less available water	Goal 4: Benefit watershed health (incl soil health and all wild critters)	Tools for Resiliency	Current Implementation Status (0-5; 0 = no, 5 = all)	Benefit towards Vision if Implemented (0-5; 0 = none, 5 = huge)	Ben efit	Gap between Benefit and Status (Col T-R)	Likelihood of Full Implementation (0-5, 0=none; 5=highest)	Benefit + Likelihood (Col T+W)	Priority? (Benefit + Likelihood + Gap)	Lead Implementation Strategy?	How?	Notes	Included in a "sustainable agricultural" certification audit
1	1	X	X		Leave water in river upstream	NUID pumps from LBC	2	5	H	3	3	8	11	NUID		Awaiting feasibility study and funding. $400 million dollar project + annual costs.	
2	1	X	X		Increase annual allocation for NUID water right		2	5	H	3	3	8	11	NUID		If there is more than 2+ af, it is going to get wasted. Farmers	
3	1	X	X		More rainfall on uplands?	Cloudseeding	0	4	H	4	3	7	11	Mike B			
4	1	X	X		Leave water in river upstream	NUID pipes canal infrastructure	2	5	H	3	2	7	10	NUID		300 miles will cost $2+ billion in 2023	
5	1	X	X		Leave water in river upstream	IDs in upper DB become more efficient (via piping), so water could get transferred to NUID	3	5	H	2	3	8	10	NUID			
6	1			X		Change definition of beneficial use to allow LOs to fallow field without affecting 5-year use period	1	4	H	3	3	7	10	NUID	2023 Legislative fix in progress	Current legislation requires a drought declaration	
7	1	X	X		Leave water in river upstream	Allow permanent transfers between IDs	1	3	M	2	3	6	8	NUID			
8	1	X			Leave water in river upstream	Put water rights lost to development in upper DB instream	1	3	M	2	2	5	7	NUID			
9	1	X	X		Leave water in river upstream	Allow seasonal transfers between IDs	3	3	M	0	4	7	7	NUID			
10	1	X		X		Allow split season and split duties in upper DB water rights w/saved water to go to NUID	1	2	L	1	3	5	6	NUID			
11	1	X	X		Leave water in river upstream	Irrigators in upper DB become more efficient, so water could get transferred to NUID	2	2	L	0	3	5	5	COID?			
12	1	X	X			Change DB water rights so NUID is not the junior user	0	5	H	5	0	5	1	NUID			
13	2			X	X	Adopt new technology to manage irrigation (soil moisture sensors, OpenET, NDVI, etc.)	2	5	H	3	5	10	13	JCSWCD	Outreach Campaign		X
14	2			X	Leave more water in river?	Plant crops that use less water	2	5	H	3	4	9	12	OSU-Extension	Outreach Campaign/Research/Case Studies		X
15	2			X	X	Maintain ponds: line and cleanout	3	5	H	2	5	10	12	LO; may need JCSWCD to spearhead funding request			
16	2			X	X	Diversify income-producing ag: (e.g. 3+ diverse crop types, grass-fed meat, organic, Malthouse,	3	5	H	2	4	9	11	JCSWCD/OSU/LO/Agronomists/Economists/Marketing… JCSWCD or OSU manages a grant that hires	Outreach Campaign/Research/Case Studies		X
17	2			X	X	Maximize irrigation scheduling to plant needs and weather	4	5	H	1	5	10	11	OSU-Irrigation Specialist	Outreach Campaign/ consultations		X
18	2			X	X	Apply compost to irrigated cropland	3	5	H	2	4	9	11	NRCS/JCSWCD	Outreach Campaign (componant of Soil Health CIS)		X
19	2			X	X	Soil biostimulants	2	4	H	2	4	8	10	NRCS/JCSWCD	Outreach Campaign (componant of Soil Health CIS)		X
20	2			X	X	Use cover crops intentionally as part of a rotation for multiple benefits	2	4	H	2	4	8	10	NRCS/JCSWCD	Outreach Campaign (componant of Soil Health CIS)		X
21	2			X	X	Drill into crop residue	2	4	H	2	4	8	10	NRCS/JCSWCD	Outreach Campaign (componant of Soil Health CIS)		X
22	2			X	X	Maintain irrigation equipment (fix leaks, etc.)	4	5	H	1	4	9	10	OSU-Irrigation Specialist/Wy'East/BPA	Outreach Campaign/ consultations		X
23	2	X	X	X	Convert to more efficient irrigation, e.g. MDI, LESA/LEPA, VFDs, subsurface drip		4	5	H	1	4	9	10	NRCS/JCSWCD	Outreach Campaign (componant of Soil Health/ Agency Plains CIS)		X
24	2	X	X	X	Cature sediment and reduce erosion	Build more ponds to capture water in croplands	2	4	H	2	4	8	10	LO			
25	2			Lower diesel costs	X	Less tillage	3	4	H	1	4	8	9	NRCS/JCSWCD	Outreach Campaign (componant of Soil Health CIS)		X
26	2			Increase available soil		Agrivoltaics (solar panels and farming)	1	3	M	2	3	6	8	JCSWCD/Chris Tolman/Wy'East	Conservation Projects		X
27	2			X	X	Raise cash crops/livestock on part of the acreage; use rest of land for soil health/crop experiments/etc	4	4	H	0	4	8	8	LO			X
28	2			X	X	Control annual weeds in croplands	3	3	M	0	3	6	6	JC-Weed Advisory Committee			X
29	2	X	X, but might drop aquifers		Pull LVST away from rivers, but drop aquifers	Dig more wells for irrigation and livestock water	1	2	L	1	2	4	5	LO		Potential for JCSWCD conservation project to fund part of this	
30	2			X	X	Graze cover crops/stubble to recycle nutrients	2	2	L	0	2	4	4	LO		Potential for case studies, town halls, and information sharing	X
31	2			X		Grow sileage crops for livestock feed	2	2	L	0	2	4	4	LO		Potential for case studies, town halls, and information sharing to encourage this option	
32	2			X	X	Soil surfactants to hold soil in place in furrows	2	2	L	0	2	4	4	JCSWCD PSP	Outreach Campaign/conservation		
33	3			X	Leave more water in river?	Plant crops that use less water	2	5	H	3	4	9	12	OSU-Extension	Outreach Campaign/Research/Case Studies		X
34	3			X	X	Diversify income-producing ag: (e.g. 3+ diverse crop types, grass-fed meat, organic, F&F CSA)	3	5	H	2	4	9	11	JCSWCD/OSU/LO/Agronomists/Economists/Marketing… JCSWCD or OSU manages a grant that hires economist contractor to perform study?	Outreach Campaign/Research/Case Studies		X
35	3			X	X	Soil biostimulants	2	4	H	2	4	8	10	NRCS/JCSWCD	Outreach Campaign (componant of Soil Health CIS)		X
36	3			X	X	Use cover crops intentionally as part of a rotation for multiple benefits	2	4	H	2	4	8	10	NRCS/JCSWCD	Outreach Campaign (componant of Soil Health CIS)		X
37	3			X	X	Drill into crop residue	2	4	H	2	4	8	10	NRCS/JCSWCD	Outreach Campaign (componant of Soil Health CIS)		X
38	3			X	X	Raise water table in rangeland streams; reconnect creek to floodplain (channel modification, placing large wood, and BDAs other than juniper control)	3	5	H	2	3	8	10	MDWC/JCSWCD CREP Program/JCSWCD-Adam	Conservation Projects		
39	3			X	X	Juniper control	3	5	H	2	3	8	10	MDWC/JCSWCD-Adam/NRCS	Conservation Projects		
40	3			X	X	Control annual weeds in rangelands	1	4	H	3	3	7	10	JC-Weed Advisory Committee	implement current program		
41	3			Lower diesel costs	X	Less tillage	3	4	H	1	4	8	9	NRCS/JCSWCD	Outreach Campaign (componant of Soil Health CIS)		X
42	3			X	X	Capture runoff in uplands w/ponds and checkdams	1	4	H	3	2	6	9	?	Conservation Projects		
43	3			Increase available soil		Agrivoltaics (solar panels and farming)	1	3	M	2	3	6	8	JCSWCD/Chris Tolman/Wy'East	Conservation Projects		X
44	3			X	X	Raise cash crops/livestock on part	4	4	H	0	4	8	8	LO			X
45	3			X	X	Reseed uplands with native grasses/forbs	2	4	H	2	2	6	8	JCSWCDC-Adam			
46	3			X	X	Protect and capture seeps and springs	2	2	L	0	4	6	6	MDWC	Conservation Projects		
47	3					Reseed uplands with non-native grasses and forbs	2	3	M	1	2	5	6	Don't want a lead			
48	3	X	X, but might drop aquifers		Pull LVST away from rivers, but drop aquifers	Dig more wells for irrigation and livestock water	1	2	L	1	2	4	5	LO		Potential for JCSWCD conservation project to fund part of this	
49	3			X	X	Graze cover crops/stubble to recycle nutrients	2	2	L	0	2	4	4	LO		Potential for case studies, town halls, and information sharing to encourage this option	X
50	3				X	Masticate trees and leave chips as mulch	2	2	L	0	2	4	4	MDWC	Conservation Projects		