

PUBLIC WATER SYSTEM DROUGHT IMPACT REPORT

September 7, 2012



PWS Name	Restriction Reason	Date of Contact	Water Level Readings in Feet, SWL-Static Water Level, PWL-Pumping Water Level, UNK-Unknown				Restrictions Implemented	Restriction Date/Stage	Year Round Restrictions	County Monthly Average Rainfall Reported in Inches	County Average YTD Rainfall Reported in Inches	Proposed Improvements	
1 Anselmo (Custer)	Infrastructure	8/9/12					West side/east side	8/10/12 Voluntary	No	0.63	8.96	Add 2 new wells	
2 Ansley (Custer)	Conservation	7/31/12	#1 #2 #3	SWL SWL SWL	22 22 74	PWL PWL PWL	38 38 135	Voluntary reduction	7/23/12 Voluntary	No	0.63	8.96	None at this time
3 Arlington (Washington)	Infrastructure	9/6/12						Odd/even lawn watering	7/18/12 Voluntary	No	0.85	14.01	None at this time
4 Battle Creek (Madison)	Conservation	9/6/12	#1 #2 #3	SWL SWL SWL	UNK 11 14	PWL PWL PWL	UNK 33 39	Odd/even lawn watering; no watering from 12 PM to 6 PM	7/16/12 Mandatory	No	0.96	10.83	Develop well field south of town
5 Beaver Lake (Cass)	Water Levels	9/6/12		SWL		PWL		Odd/even lawn watering; no watering from 12 PM to 6 PM	Mandatory	No	0.76	14.64	None at this time
6 Bellwood (Butler)	Conservation	8/20/12	#1	SWL	25	PWL	38	East-Tue, Thur, Sat; West-Wed, Fri, Sat; no watering on Monday	Voluntary	No	0.50	13.78	None at this time
7 Bloomfield (Knox)	Water Levels	9/6/12	#6 #75 #2003	SWL SWL SWL	161 169 148	PWL PWL PWL	243 181 204	East/west parts of town alternate days watering	7/11/12 Mandatory	No	0.90	8.27	None at this time
8 Buffalo Co. SID #3 (Buffalo)	Water Levels	8/2/12	#731 #021	SWL SWL	30 30	PWL PWL	50 50	Odd/even watering	7/23/12 Voluntary	No	1.05	8.79	None at this time
9 Burr (Otoe)	Water Levels	8/1/12	#501 #681	SWL SWL	44 23	PWL PWL	UNK 37	No lawn watering	7/23/12 Voluntary	No	1.69	13.85	None at this time
10 Cass Co. RWD #2 (Cass)	Conservation	9/6/12		SWL	71	PWL	137	Odd/even watering; no watering on Monday	8/1/12 Voluntary	No	0.76	14.64	Well update
11 Clarkson (Colfax)	Water Levels	9/6/12	#21 #771 #821	SWL SWL SWL	93 56 98	PWL PWL PWL	98 UNK 140	Odd/even watering; restricted usage from 10 AM to 9 PM	7/11/12 Mandatory	No	0.87	8.32	None at this time
12 Clatonia (Gage)	Water Levels	8/1/12	#351 #671	SWL SWL	145 148	PWL PWL	162 162	Lawn watering every other day	7/24/12 Mandatory	No	1.88	15.48	Encourage irrigators to minimize their operations
13 Cody Land Court (Lincoln)	Conservation	8/1/12						Odd/even watering	Voluntary	No	0.72	7.23	None at this time

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				#	SWL	PWL	UNK						
14	Cortland (Gage)	Conservation	8/1/12	#751	SWL 160	PWL 206		Lawn watering every other day	7/27/12 Voluntary	No	1.88	15.48	None at this time
15	Country Village Sub. (Stanton)	Water Levels	9/6/12	East	SWL 138	PWL 153		No external watering	7/12/12 Mandatory	No	1.07	11.29	None at this time
				West	SWL 140	PWL 153							
16	Cozad (Dawson)	Conservation	7/31/12		SWL	PWL		No lawn watering from 10 AM to 10 PM	Voluntary	No	1.97	7.48	None at this time
17	Crawford (Dawes)	Water Levels	8/24/12	98-1	SWL 31	PWL 42		No park or school grounds watering	8/2/12 Mandatory	No	0.22	5.94	None at this time
				98-2	SWL 33	PWL 55							
				97-3	SWL 7	PWL 9							
				97-2	SWL 8	PWL 13							
18	Creighton (Knox)	Infrastructure	9/6/12	#1	SWL 20	PWL 34		Voluntary reduction	7/3/12 Voluntary	No	0.90	8.27	None at this time
				#2	SWL 21	PWL 34							
19	Danbury (Red Willow)	Conservation	7/31/12					No outside water from 9 AM to 9 PM	7/1/12 Voluntary	No	1.34	7.88	None at this time
20	Dannebrog (Howard)	Conservation	8/22/12	#2	SWL 30	PWL 104		Voluntary reduction	7/25/12 Voluntary	No	0.88	9.21	None at this time
				#3	SWL 26	PWL 95							
21	Dawes Co. RWD #1 (Dawes) *4	Conservation	8/13/12					Water is restricted to household use and livestock only; no lawns, gardens, swimming pools, etc	8/8/12 Voluntary	No	0.22	5.94	None at this time
22	Diller (Jefferson)	Water Levels	7/31/12		SWL 104	PWL 109		No lawn watering	7/18/12 Voluntary	No	1.94	14.49	None at this time
23	Dodge (Dodge)	Water Levels	9/6/12	#441	SWL 41	PWL 48		General request to conserve	8/8/12 Voluntary	No	1.13	13.97	None at this time
				#861	SWL 40	PWL 48							
24	Douglas Co. SID #286 Rolling Meadows (Douglas)	Conservation	9/6/12					Voluntary reduction	7/23/12 Voluntary	No	0.49	12.92	Hook up to MUD
25	Dunbar (Otoe)	Conservation	8/1/12	#401	SWL 18	PWL 21		Decrease water usage	7/2/12 Voluntary	No	1.69	13.85	None at this time
				#701	SWL 17	PWL 20							
26	Eagle (Cass)	Conservation	9/6/12					Odd/even watering	7/26/12 Voluntary	No	0.76	14.64	None at this time

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27 Eagle Lake (Cass)	Conservation	9/6/12					Decrease water usage	7/10/12 Mandatory	No	0.76	14.64	None at this time	
28 Elm Creek (Buffalo)	Conservation	8/16/12	#771 #861	SWL SWL	23 23	PWL PWL	117 97	Odd/even watering	7/19/12 Voluntary	No	1.02	8.77	None at this time
29 Eustis (Frontier)	Conservation	7/31/12						Odd/even water; no watering from 10 AM to 10 PM	7/16/12 Voluntary	No	1.57	10.07	None at this time
30 Fordyce (Cedar)	Conservation	9/6/12	No wells, consecutive water system				No lawn water or vehicle washing	7/18/12 Voluntary	No	0.47	9.06	None at this time	
31 Goehner (Seward)	Conservation	9/6/12		SWL	100	PWL	113	Odd/even lawn watering	Mandatory	No	0.54	8.81	None at this time
32 Gothenburg (Dawson)	Conservation	7/31/12	#901 #861	SWL SWL	50 70	PWL PWL	120 121	Conservation awareness	Voluntary	No	1.97	7.48	None at this time
33 Grafton (Fillmore)	Conservation	8/30/12	#361 #001	SWL SWL	108 111	PWL PWL	124 116	Odd/even lawn watering	Voluntary	No	1.07	12.80	None at this time
34 Greenwood (Saunders)	Conservation	9/6/12						Conservation awareness	Voluntary	No	0.31	7.09	None at this time
35 Grant (Perkins)	Water Levels	7/12/12	#3 #5 #6	SWL SWL SWL	UNK 300 300	PWL PWL PWL	UNK 308 330	Outside watering 1 day/week from 4/16 to 5/24 & 9/25 to 10/14; 2 days/week from 5/25 to 9/24; no outside watering from 10/15 to 4/15	Mandatory	Yes	2.73	8.65	None at this time
36 Harbine (Jefferson)	Water Levels	8/8/12		SWL	151	PWL	159	No lawn/restricted garden watering	7/18/12 Voluntary	No	1.94	14.49	New well
37 Harvard (Clay)	Conservation	9/6/12	#661 #981 #005	SWL SWL SWL	85 65 95	PWL PWL PWL	95 75 105	Odd/even lawn watering	7/30/12 Mandatory	No	1.65	14.97	None at this time
38 Hay Springs (Sheridan)	Conservation	8/1/12	#921 #241	SWL SWL	47 35	PWL PWL	245 215	Ask customers to curtail watering	7/27/12 Voluntary	No	0.76	6.13	Limited water use at city park & football
39 Hickman (Lancaster)	Conservation	7/26/12						Odd/even lawn watering	7/23/12 Voluntary	No	0.52	13.49	None at this time
40 Homer (Dakota)	Water Levels	9/6/12	East West Ballfield	SWL SWL SWL	142 79 48	PWL PWL PWL	UNK 99 90	Odd/even watering	7/12/12 Voluntary	No	0.44	12.59	Repair & update the other 2 wells

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				East	West	SWL	PWL							UNK	
41	Howells (Colfax)	Conservation	9/6/12	East	West	SWL 150	PWL 120	160	138	Odd/even watering	7/25/12 Voluntary	No	0.87	8.32	None at this time
42	Hyannis (Grant)	Conservation	8/23/12	#041	#872	SWL 55	PWL 47	95	60	Odd/even lawn watering; no watering on Monday	6/29/12 Mandatory	Yes	0	3.69	None at this time
43	Johnson (Nemaha)	Conservation	8/8/12	#861	#862	SWL 30	PWL 38	34	44	Conserve outdoor water use	8/8/12 Voluntary	No	1.45	14.98	None at this time
44	Lake Ventura SID #3 (Dodge)	Water Levels	9/6/12	#811	#071	SWL 41	PWL UNK	52	UNK	Odd/even watering	7/30/12 Voluntary	No	1.13	13.97	None at this time
45	Laurel (Cedar)	Water Levels	9/6/12	West North	#20091	SWL UNK	PWL 15	UNK	34	No lawn watering	7/5/12 Mandatory	No	0.47	9.06	None at this time
46	Leigh (Colfax)	Water Levels	9/6/12	#3	#4	SWL 214	PWL 224	223	232	Odd/even watering from 9 PM to 7 AM	7/26/12 Voluntary	No	0.87	8.32	None at this time
47	Lincoln (Lancaster)	Conservation	7/12/12							Lawn watering: Even-Wed, Fri, Sun; Odd-Tue, Thur, Sat; no watering on Monday	8/9/12 Mandatory	No	0.52	13.49	None at this time
48	Little Blue Public Water Project (Thayer, Jefferson) *2	Conservation	7/26/12							No lawn watering; no nonessential water use	7/25/12 Mandatory	No	1.93	14.22	None at this time
49	Marquette (Hamilton)	Water Levels	8/1/12	#1		SWL 115	PWL 130			No lawn watering	7/12/12 Mandatory	No	1.49	10.99	None at this time
50	Maskell (Dixon)	Conservation	9/6/12	#821		SWL 17	PWL 35			Odd/even watering	7/19/12 Voluntary	No	0.83	10.22	None at this time
51	Mead (Saunders)	Conservation	9/6/12			SWL 26	PWL 36			Odd/even watering	7/27/12 Voluntary	No	0.31	7.09	None at this time
52	Milford (Seward)	Conservation	8/20/12	#1	#2	SWL 77	PWL 77	86	88	Odd/even lawn watering	7/24/12 Voluntary	No	0.54	8.81	None at this time
				#3	#4	SWL 210	PWL 152	335	226						
				#5	#6	SWL 33	PWL 20	45	36	No watering on Mondays					
53	Minden (Kearney)	Conservation	8/2/12							Voluntary reduction	6/15/12 Voluntary	No	2.25	10.93	None at this time

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			#	SWL	PWL	UNK							
54 Newcastle (Dixon)	Conservation	9/6/12	#1 #2	SWL SWL	25 30	PWL PWL	44 40	No lawn watering	7/11/12 Voluntary	No	0.83	10.22	New well
55 North Bend (Dodge)	Infrastructure	9/6/12		SWL	15	PWL		Voluntary reduction	7/24/12 Voluntary	No	1.13	13.97	None at this time
56 Ogallala (Keith)	Conservation	8/1/12						Voluntary reduction	6/25/12 Voluntary	No	0.39	6.84	None at this time
57 Osmond (Pierce)	Conservation	9/6/12	#591 #651	SWL SWL	40 22	PWL PWL	UNK 31	Alternate east/west side of town	6/27/12 Voluntary	No	0.9	9.47	None at this time
58 Otoe Co. RWD #3 (Otoe) *1	Water Levels	7/12/12	#1 #2 #3 #4	SWL SWL SWL SWL	UNK UNK UNK UNK	PWL PWL PWL PWL	UNK UNK UNK UNK	No lawn watering	7/12/12 Voluntary	No	1.69	13.85	None at this time
59 Panama (Lancaster)	Conservation	8/8/12	#681	SWL	137	PWL	148	Odd/even watering	8/8/12 Voluntary	No	0.52	13.49	None at this time
60 Pawnee City (Pawnee)	Conservation	7/25/12	#1 #2 #3	SWL SWL SWL	96 120 112	PWL PWL PWL	104 128 118	Alternate lawn watering odd/even north/south	7/12/12 Voluntary	No	1.21	11.74	None at this time
61 Pender (Thurston) *3	Conservation	9/6/12	North SE SW	SWL SWL SWL	76 59 UNK	PWL PWL PWL	80 82 UNK	Voluntary conservation	7/23/12 Voluntary	No	0	5.05	None at this time
62 Peru (Nemaha)	Infrastructure	8/14/12		SWL	17	PWL	26	No outdoor watering	8/8/12 Voluntary	No	1.45	14.98	Repair well
63 Pierce (Pierce)	Infrastructure	9/6/12	Mid North West NW	SWL SWL SWL SWL	22 17 27 63	PWL PWL PWL PWL	27 20 32 68	Odd/even watering	7/23/12 Voluntary	No	0.9	9.47	None at this time
64 Pilger (Stanton)	Water Levels	9/6/12	#01 #931	SWL SWL	16 13	PWL PWL	21 16	Reduce water usage	Voluntary	No	1.07	11.29	None at this time
65 Plainview (Pierce)	Conservation	9/6/12	#891 #541 #401 #621	SWL SWL SWL SWL	38 42 49 40	PWL PWL PWL PWL	45 UNK UNK UNK	Odd/even water use	7/9/12 Voluntary	No	0.90	9.47	None at this time
66 Randolph (Cedar)	Conservation	9/6/12	#691 #851	SWL SWL	145 140	PWL PWL	153 150	No watering from 12 PM to 8 PM	6/1/12 Voluntary	No	0.47	9.06	None at this time

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			#	SWL	PWL	UNK						
67 St. Edward (Boone)	Conservation	8/22/12	#341	SWL 14	PWL 35							
			#541	SWL 44	PWL 45							
			#661	SWL 45	PWL 55	Odd/even watering	8/2/12	Mandatory	No	0.90	7.44	None at this time
68 Saunders Co. SID #6 Riverview (Saunders)	Water Levels	9/6/12		SWL 69	PWL 72	No lawn watering	7/26/12	Mandatory	No	0.31	7.09	Install new well
69 Sarpy Co. SID #158 Tiburon (Sarpy)	Water Levels	9/6/12	#1	SWL 58	PWL 67	Odd/even watering	8/2/12	Mandatory	No	1.13	14.51	None at this time
			#2	SWL 33	PWL 40							
			#3	SWL 41	PWL 49							
			#4	SWL 49	PWL 62							
			#5	SWL 58	PWL 69							
70 Shelby (Polk)	Conservation	9/6/12		SWL 150	PWL 153	Odd/even lawn watering		Mandatory	No	0.43	10.66	None at this time
71 Shelton (Buffalo)	Water Levels	8/2/12	#021	SWL 83	PWL 123	Every other day watering			No	1.05	8.79	New well
			#971	SWL 75	PWL 99							
			#051	SWL 85	PWL 105							
72 Staplehurst (Seward)	Conservation	8/1/12				Odd/even lawn watering		Mandatory	No	0.59	8.81	None at this time
73 Sterling (Johnson)	Conservation	8/1/12	#901	SWL 100	PWL 124	Restrict lawn watering after 6 PM on even numbered days	7/22/12	Voluntary	No	1.16	14	Install water meters
74 Syracuse (Otoe)	Water Levels	8/1/12	#1	SWL 62	PWL 83	Odd/even water use; no watering on Monday			No	1.69	13.85	New well
			#2	SWL 99	PWL 106							
75 Table Rock (Pawnee)	Water Levels	9/6/12	#781	SWL 121	PWL 136	No outside watering, washing of vehicles			No	1.21	11.74	None at this time
			#081	SWL 121	PWL 127							
76 Tecumseh (Johnson)	Water Levels	8/28/12	#2	SWL 108	PWL 127	Odd/even lawn watering	7/18/12	Voluntary	No	1.16	14	None at this time
			#4	SWL 46	PWL 58							
			#5	SWL 95	PWL 107							
			#6	SWL 139	PWL 180							
77 Utica (Seward)	Water Levels	8/20/12		SWL 156	PWL 192	Odd/even lawn watering		Mandatory	No	0.54	8.81	None at this time
78 Valley View (Saunders)	Conservation	9/6/12				Odd/even lawn watering	8/21/12	Voluntary	No		7.09	None at this time
79 Verdon (Richardson)	Infrastructure	7/31/12	Purchase water from Richardson Co. RWD #2			No lawn watering; no nonessential water use		Voluntary	No	1.62	16.44	Repair water tower

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80	Weeping Water (Cass)	Conservation	9/6/12						Voluntary reduction	7/25/12 Voluntary	No	0.76	14.64	None at this time

PUBLIC WATER SYSTEMS DROUGHT IMPACT REPORT

September 7, 2012



- *1 Otoe County Rural Water District #3 provides water service to over 1,400 rural customers and 7 communities: Avoca, Douglas, Dunbar, Otoe, Manley, Unadilla, & Palmyra.
- *2 Little Blue Public Water Project serves more than 280 hookups including the Villages of Gilead and Gladstone.
- *3 Village of Pender provides water service to Thurston County Rural Water and 140 rural customers.
- *4 Dawes County RWD #1 serves rural customers and the Village of Whitney.

Report Date	Number of Public Water Systems Restricting Water Use By Category			Total
	Water Levels	Infrastructure	Conservation	
6/28/12	0	0	2	2
7/6/12	0	0	4	4
7/13/12	3	0	5	8
7/20/12	8	0	6	14
7/27/12	10	0	13	23
8/3/12	39	4	26	69
8/10/12	26	6	48	80
8/17/12	25	7	49	81
8/24/12	26	7	48	81
8/31/12	26	7	48	81
9/7/12	26	7	47	80

56 Voluntary Restrictions
24 Mandatory Restrictions

As of July 27, 2012, Natural Resources Districts and well drillers across the state have provided the following information:

Salmon Well Company - Wakefield, NE

Pumps lowered in domestic or livestock wells: Dixon County - 7, Wayne County - 25, Thurston County - 4, Cedar County - 1
Pumps lowered in irrigation wells: Dixon County - 1, Wayne County - 6, Thurston County - 2, Cedar County - 2, Cuming County - 1
Total of 49 pumps lowered in wells this year to date

Christensen Well & Irrigation, Inc. - Hartington, NE

Pumps lowered in domestic or livestock wells: Cedar County – 10, Knox County – 2
Total of 12 pumps lowered in wells this year to date

Twin Platte NRD - North Platte, NE

Have had requests for 16 replacement irrigation wells to date

Upper Elkhorn NRD - O'Neill, NE

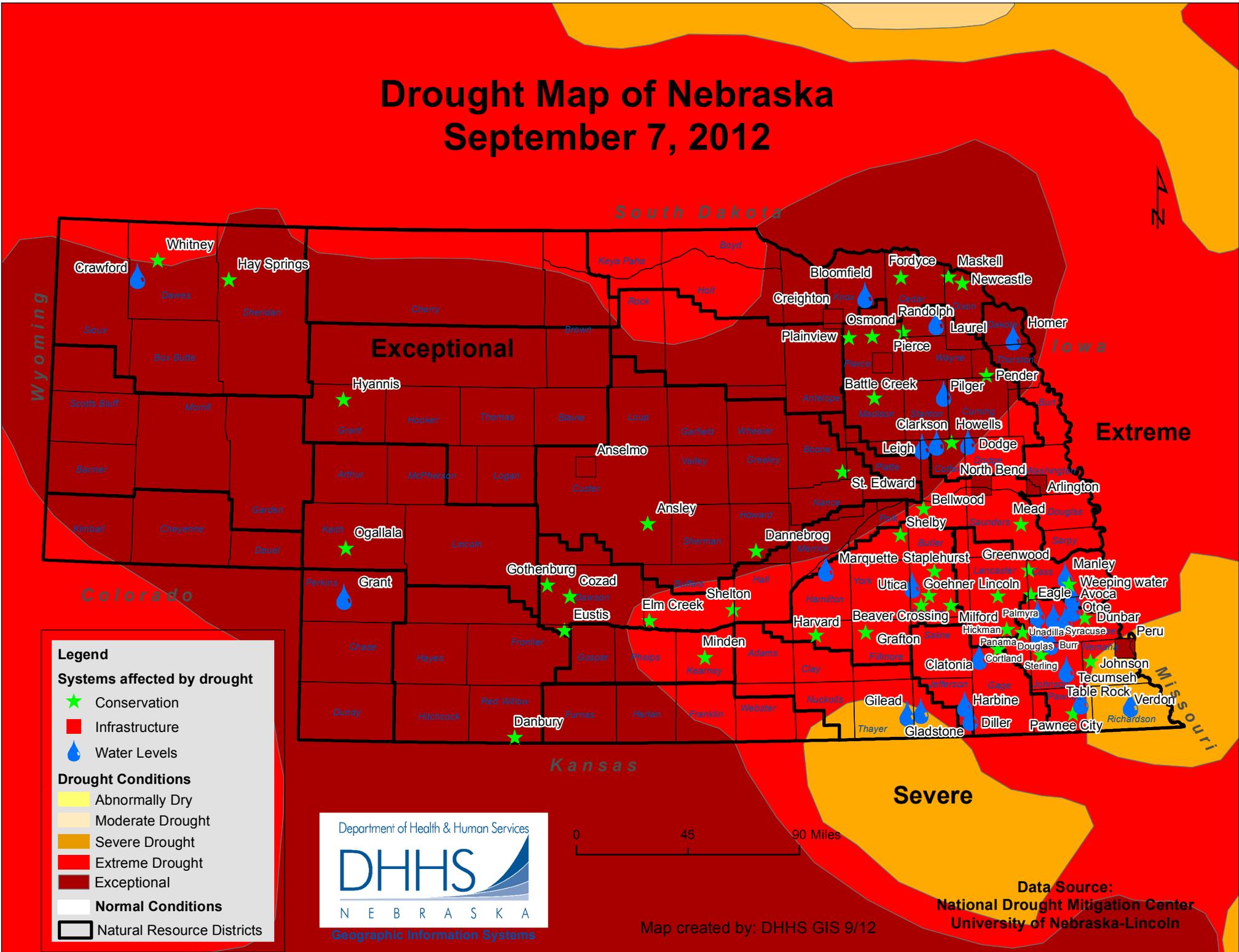
Replaced 2 wells in Antelope County and 1 in Holt County

Lower Platte South NRD – Lincoln, NE

Replaced 1 well and lowered 1 well pump in Lancaster County

Drought Map of Nebraska

September 7, 2012



Legend

Systems affected by drought

- ★ Conservation
- Infrastructure
- 💧 Water Levels

Drought Conditions

- Abnormally Dry
- Moderate Drought
- Severe Drought
- Extreme Drought
- Exceptional

Normal Conditions

- Natural Resource Districts



Geographic Information Systems



Data Source:
National Drought Mitigation Center
University of Nebraska-Lincoln

Map created by: DHHS GIS 9/12