

PUBLIC WATER SYSTEM DROUGHT IMPACT REPORT

August 31, 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	
			#	SWL	PWL	UNK							
1 Anselmo (Custer)	Infrastructure	8/9/12					West side/east side	8/10/12 Voluntary	No	0.67	8.94	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	0.67	8.94	None at this time
3 Arlington (Washington)	Infrastructure	8/22/12						Odd/even lawn watering	7/18/12 Voluntary	No	1.51	13.58	None at this time
4 Battle Creek (Madison)	Conservation	8/30/12	#1 #2 #3	SWL SWL SWL	UNK 12 15	PWL PWL PWL	UNK 33 38	Odd/even lawn watering; no watering from 12 PM to 6 PM	7/16/12 Mandatory	No	1.09	10.80	Develop well field south of town
5 Beaver Crossing (Seward)	Conservation	8/1/12	#981 #101	SWL SWL	81 110	PWL PWL	83 113	Odd/even lawn watering	8/2/12 Voluntary	No	0.82	8.8	None at this time
6 Beaver Lake (Cass)	Water Levels	8/22/12						Odd/even lawn watering; no watering from 12 PM to 6 PM	Mandatory	No	1.15	14.63	None at this time
7 Bellwood (Butler)	Conservation	8/30/12	#1	SWL	25	PWL	38	East-Tue, Thur, Sat; West- Wed, Fri, Sat; no watering on Monday	Voluntary	No	1.33	13.77	None at this time
8 Bloomfield (Knox)	Water Levels	8/30/12	#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	0.83	8.22	None at this time
9 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	1.29	9.05	None at this time
10 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	1.46	13.08	None at this time
11 Cass Co. RWD #2 (Cass)	Conservation	8/22/12		SWL	71	PWL	137	Odd/even watering; no watering on Monday	8/1/12 Voluntary	No	1.15	14.63	Well update
12 Clarkson (Colfax)	Water Levels	8/30/12	#21 #771 #821	SWL SWL SWL	99 56 103	PWL PWL PWL	104 UNK 132	Odd/even watering; restricted usage from 10 AM to 9 PM	7/11/12 Mandatory	No	1.24	8.03	None at this time
13 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	2.88	15.55	Encourage irrigators to minimize their operations

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14 Cody Land Court (Lincoln)	Conservation	8/1/12					Odd/even watering	Voluntary	No	0.74	6.94	None at this time	
15 Cortland (Gage)	Conservation	8/1/12	#751 #811	SWL SWL	160 90	PWL PWL	206 140	Lawn watering every other day	7/27/12 Voluntary	No	2.88	15.55	None at this time
16 Country Village Sub. (Stanton)	Water Levels	8/30/12	East West	SWL SWL	138 140	PWL PWL	153 153	No external watering	7/12/12 Mandatory	No	1.08	11.29	None at this time
17 Cozad (Dawson)	Conservation	7/31/12		SWL		PWL		No lawn watering from 10 AM to 10 PM	Voluntary	No	2.18	7.48	None at this time
18 Crawford (Dawes)	Water Levels	8/24/12	98-1 98-2 97-3 97-2 97-1	SWL SWL SWL SWL SWL	31 33 7 8 11	PWL PWL PWL PWL PWL	42 55 9 13 13	No park or school grounds watering	8/2/12 Mandatory	No	0.13	5.89	None at this time
19 Creighton (Knox)	Infrastructure	8/30/12	#1 #2	SWL SWL	20 21	PWL PWL	34 34	Voluntary reduction	7/3/12 Voluntary	No	0.83	8.22	None at this time
20 Danbury (Red Willow)	Conservation	7/31/12						No outside water from 9 AM to 9 PM	7/1/12 Voluntary	No	1.28	7.88	None at this time
21 Dannebrog (Howard)	Conservation	8/22/12	#2 #3	SWL SWL	30 26	PWL PWL	104 95	Voluntary reduction	7/25/12 Voluntary	No	1.03	9.21	None at this time
22 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	0.13	5.89	None at this time
23 Diller (Jefferson)	Water Levels	7/31/12		SWL	104	PWL	109	No lawn watering	7/18/12 Voluntary	No	1.71	14.42	None at this time
24 Dodge (Dodge)	Water Levels	8/22/12	#441 #861	SWL SWL	41 40	PWL PWL	48 48	General request to conserve	8/8/12 Voluntary	No	1.45	13.78	None at this time
25 Douglas Co. SID #286 Rolling Meadows (Douglas)	Conservation	8/7/12						Voluntary reduction	7/23/12 Voluntary	No	1.05	12.63	Hook up to MUD
26 Dunbar (Otoe)	Conservation	8/1/12	#401 #701	SWL SWL	18 17	PWL PWL	21 20	Decrease water usage	7/2/12 Voluntary	No	1.46	13.08	None at this time
27 Eagle (Cass)	Conservation	8/22/12						Odd/even watering	7/26/12 Voluntary	No	1.15	14.63	None at this time

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28	Eagle Lake (Cass)	Conservation	8/22/12					Decrease water usage	7/10/12 Mandatory	No	1.15	14.63	None at this time	
29	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	1.29	9.05	None at this time
30	Eustis (Frontier)	Conservation	7/31/12					Odd/even watering; no watering from 10 AM to 10 PM	7/16/12 Voluntary	No	1.49	10.09	None at this time	
31	Fordyce (Cedar)	Conservation	8/30/12					No lawn water or vehicle washing	7/18/12 Voluntary	No	0.63	9.43	None at this time	
32	Goehner (Seward)	Conservation	8/20/12		SWL	122	PWL	136	Odd/even lawn watering	Mandatory	No	0.82	8.8	None at this time
33	Gothenburg (Dawson)	Conservation	7/31/12	#901 #861	SWL SWL	50 70	PWL PWL	120 121	Conservation awareness	Voluntary	No	2.18	7.48	None at this time
34	Grafton (Fillmore)	Conservation	8/30/12	#361 #001	SWL SWL	108 111	PWL PWL	124 116	Odd/even lawn watering	Voluntary	No	1.41	13.03	None at this time
35	Greenwood (Saunders)	Conservation	8/22/12					Conservation awareness	Voluntary	No	1.18	7.09	None at this time	
36	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	1.06	8.65	None at this time
37	Harbine (Jefferson)	Water Levels	8/8/12		SWL	151	PWL	159	No lawn/restricted garden watering	7/18/12 Voluntary	No	1.71	14.42	New well
38	Harvard (Clay)	Conservation	8/30/12	#661 #981 #005	SWL SWL SWL	95 65 95	PWL PWL PWL	105 75 105	Odd/even lawn watering	7/30/12 Mandatory	No	1.99	15.5	None at this time
39	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	0.58	6.13	Limited water use at city park & football
40	Hickman (Lancaster)	Conservation	7/26/12					Odd/even lawn watering	7/23/12 Voluntary	No	0.76	13.41	None at this time	

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				East	West	Ballfield	UNK						
41	Homer (Dakota)	Water Levels	8/23/12	East West Ballfield	SWL SWL SWL	80 142 48	PWL PWL PWL	99 UNK 90	7/12/12 Voluntary	No	1.81	12.59	Repair & update the other 2 wells
42	Howells (Colfax)	Conservation	8/30/12	East West	SWL SWL	150 120	PWL PWL	160 138	7/25/12 Voluntary	No	1.24	8.03	None at this time
43	Hyannis (Grant)	Conservation	8/31/12	#041 #872	SWL SWL	55 47	PWL PWL	95 60	6/29/12 Mandatory	Yes	0	3.69	None at this time
44	Johnson (Nemaha)	Conservation	8/8/12	#861 #862	SWL SWL	30 38	PWL PWL	34 44	8/8/12 Voluntary	No	2.83	14.98	None at this time
45	Lake Ventura SID #3 (Dodge)	Water Levels	8/7/12	#811 #071	SWL SWL	41 UNK	PWL PWL	52 UNK	7/30/12 Voluntary	No	1.45	13.78	None at this time
46	Laurel (Cedar)	Water Levels	8/30/12	West North #20091	SWL SWL SWL	UNK 15 84	PWL PWL PWL	UNK 34 90	7/5/12 Mandatory	No	0.63	9.43	None at this time
47	Leigh (Colfax)	Water Levels	8/30/12	#3 #4	SWL SWL	214 222	PWL PWL	223 229	7/26/12 Voluntary	No	1.24	8.03	None at this time
48	Lincoln (Lancaster)	Conservation	7/12/12						8/9/12 Mandatory	No	0.76	13.41	None at this time
49	Little Blue Public Water Project (Thayer, Jefferson) *2	Conservation	7/26/12						7/25/12 Mandatory	No	1.76	14.64	None at this time
50	Marquette (Hamilton)	Water Levels	8/1/12	#1	SWL	115	PWL	130	7/12/12 Mandatory	No	1.93	10.89	None at this time
51	Maskell (Dixon)	Conservation	8/30/12	#821	SWL	17	PWL	35	7/19/12 Voluntary	No	1.77	10.22	None at this time
52	Mead (Saunders)	Conservation	8/22/12		SWL	26	PWL	36	7/27/12 Voluntary	No	1.18	7.09	None at this time
53	Milford (Seward)	Conservation	8/20/12	#1 #2 #3 #4 #5 #6	SWL SWL SWL SWL SWL SWL	77 77 210 152 33 20	PWL PWL PWL PWL PWL PWL	86 88 335 226 45 36	7/24/12 Voluntary	No	0.82	8.80	None at this time

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54 Minden (Kearney)	Conservation	8/2/12					Voluntary reduction	6/15/12 Voluntary	No	2.85	10.93	None at this time	
55 Newcastle (Dixon)	Conservation	8/30/12	#1 #2	SWL SWL	25 30	PWL PWL	44 40	No lawn watering	7/11/12 Voluntary	No	1.77	10.22	New well
56 North Bend (Dodge)	Infrastructure	8/22/12		SWL	15	PWL		Voluntary reduction	7/24/12 Voluntary	No	1.45	13.78	None at this time
57 Ogallala (Keith)	Conservation	8/1/12						Voluntary reduction	6/25/12 Voluntary	No	0.47	6.84	None at this time
58 Osmond (Pierce)	Conservation	8/30/12	#591 #651	SWL SWL	40 22	PWL PWL	UNK 31	Alternate east/west side of town	6/27/12 Voluntary	No	1.24	9.44	None at this time
59 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	1.46	13.08	None at this time
60 Panama (Lancaster)	Conservation	8/8/12	#681	SWL	137	PWL	148	Odd/even watering	8/8/12 Voluntary	No	0.76	13.41	None at this time
61 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	2.73	11.73	None at this time
62 Pender (Thurston) *3	Conservation	8/30/12	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
63 Peru (Nemaha)	Infrastructure	8/14/12		SWL	17	PWL	26	No outdoor watering	8/8/12 Voluntary	No	2.83	14.98	Repair well
64 Pierce (Pierce)	Infrastructure	8/30/12	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	1.24	9.44	None at this time
65 Pilger (Stanton)	Water Levels	8/30/12	#01 #931	SWL SWL	16 15	PWL PWL	21 18	Reduce water usage	Voluntary	No	1.08	11.29	None at this time
66 Plainview (Pierce)	Conservation	8/30/12	#891 #541 #401 #621	SWL SWL SWL SWL	43 42 49 40	PWL PWL PWL PWL	48 UNK UNK UNK	Odd/even water use	7/9/12 Voluntary	No	1.24	9.44	None at this time

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			#	SWL	PWL	UNK						
67 Randolph (Cedar)	Conservation	8/30/12	#691	SWL 145	PWL 153	UNK 150	No watering from 12 PM to 8 PM	6/1/12 Voluntary	No	0.63	9.43	None at this time
68 St. Edward (Boone)	Conservation	8/22/12	#341 #541 #661	SWL 14 SWL 44 SWL 45	PWL 35 PWL 45 PWL 55	UNK	Odd/even watering	8/2/12 Mandatory	No	1.17	7.44	None at this time
69 Saunders Co. SID #6 Riverview (Saunders)	Water Levels	8/22/12		SWL 69	PWL 72	UNK	No lawn watering	7/26/12 Mandatory	No	1.18	7.09	Install new well
70 Sarpy Co. SID #158 Tiburon (Sarpy)	Water Levels	8/22/12	#1 #2 #3 #4 #5	SWL 56 SWL 22 SWL 27 SWL 42 SWL 43	PWL 64 PWL 35 PWL 42 PWL 62 PWL 60	UNK	Odd/even watering	8/2/12 Mandatory	No	1.8	14.51	None at this time
71 Shelby (Polk)	Conservation	8/20/12		SWL 179	PWL 182	UNK	Odd/even lawn watering	Mandatory	No	1.67	10.65	None at this time
72 Shelton (Buffalo)	Water Levels	8/2/12	#021 #971 #051	SWL 83 SWL 75 SWL 85	PWL 123 PWL 99 PWL 105	UNK	Every other day watering	Mandatory	No	1.29	9.05	New well
73 Staplehurst (Seward)	Conservation	8/1/12					Odd/even lawn watering	Mandatory	No	0.82	8.8	None at this time
74 Sterling (Johnson)	Conservation	8/1/12	#901	SWL 100	PWL 124	UNK	Restrict lawn watering after 6 PM on even numbered days	7/22/12 Voluntary	No	2.36	13.98	Install water meters
75 Syracuse (Otoe)	Water Levels	8/1/12	#1 #2	SWL 62 SWL 99	PWL 83 PWL 106	UNK	Odd/even water use; no watering on Monday	7/19/12 Voluntary	No	1.46	13.08	New well
76 Table Rock (Pawnee)	Water Levels	7/26/12	#781 #081	SWL 121 SWL 121	PWL 136 PWL 127	UNK	Odd/even lawn watering	7/26/12 Voluntary	No	2.73	11.73	None at this time
77 Tecumseh (Johnson)	Water Levels	8/28/12	#2 #4 #5 #6	SWL 108 SWL 46 SWL 95 SWL 139	PWL 127 PWL 58 PWL 107 PWL 180	UNK	Odd/even lawn watering	7/18/12 Voluntary	No	2.36	13.98	None at this time
78 Utica (Seward)	Water Levels	8/20/12		SWL 156	PWL 192	UNK	Odd/even lawn watering	Mandatory	No	0.82	8.8	None at this time
79 Valley View (Saunders)	Conservation	8/21/12					Odd/even lawn watering	8/21/12 Voluntary	No	1.18	7.09	None at this time

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80	Verdon (Richardson)	Infrastructure	7/31/12	Purchase water from Richardson Co. RWD #2	No lawn watering; no nonessential water use	Voluntary	No	4.16	16.42	Repair water tower
81	Weeping Water (Cass)	Conservation	8/22/12		Voluntary reduction	7/25/12 Voluntary	No	1.15	14.63	None at this time

PUBLIC WATER SYSTEMS DROUGHT IMPACT REPORT

August 31, 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

58 Voluntary Restrictions
23 Mandatory Restrictions

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

(Information will be updated at the end of each month during the season.)

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

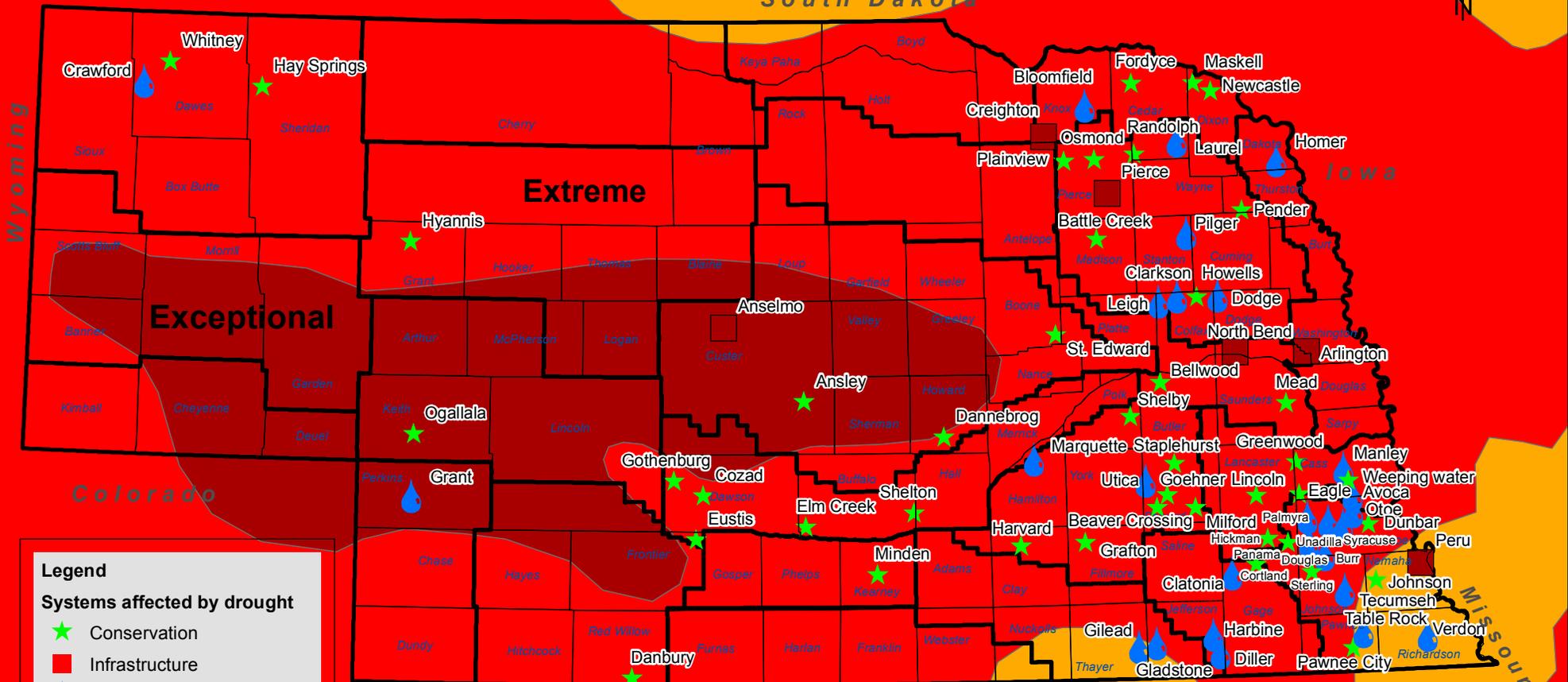
Replaced 2 wells in Antelope County and 1 in Holt County

Lower Platte South NRD – Lincoln, NE

Replaced 1 well and lowered 1 well pump in Lancaster County

Drought Map of Nebraska August 31, 2012

South Dakota



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 8/12