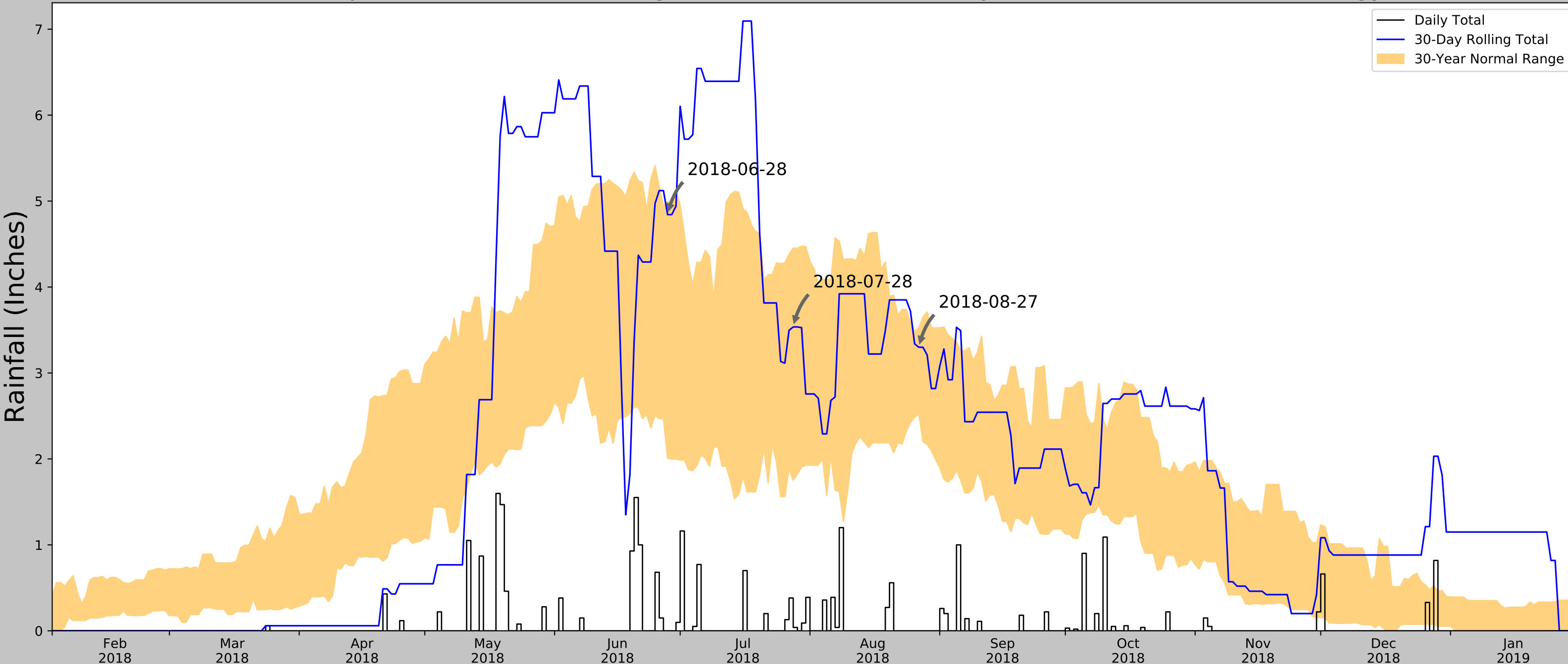


Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	40.7717, -99.7238
Observation Date	2018-08-27
Elevation (ft)	2385.27
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Dry Season

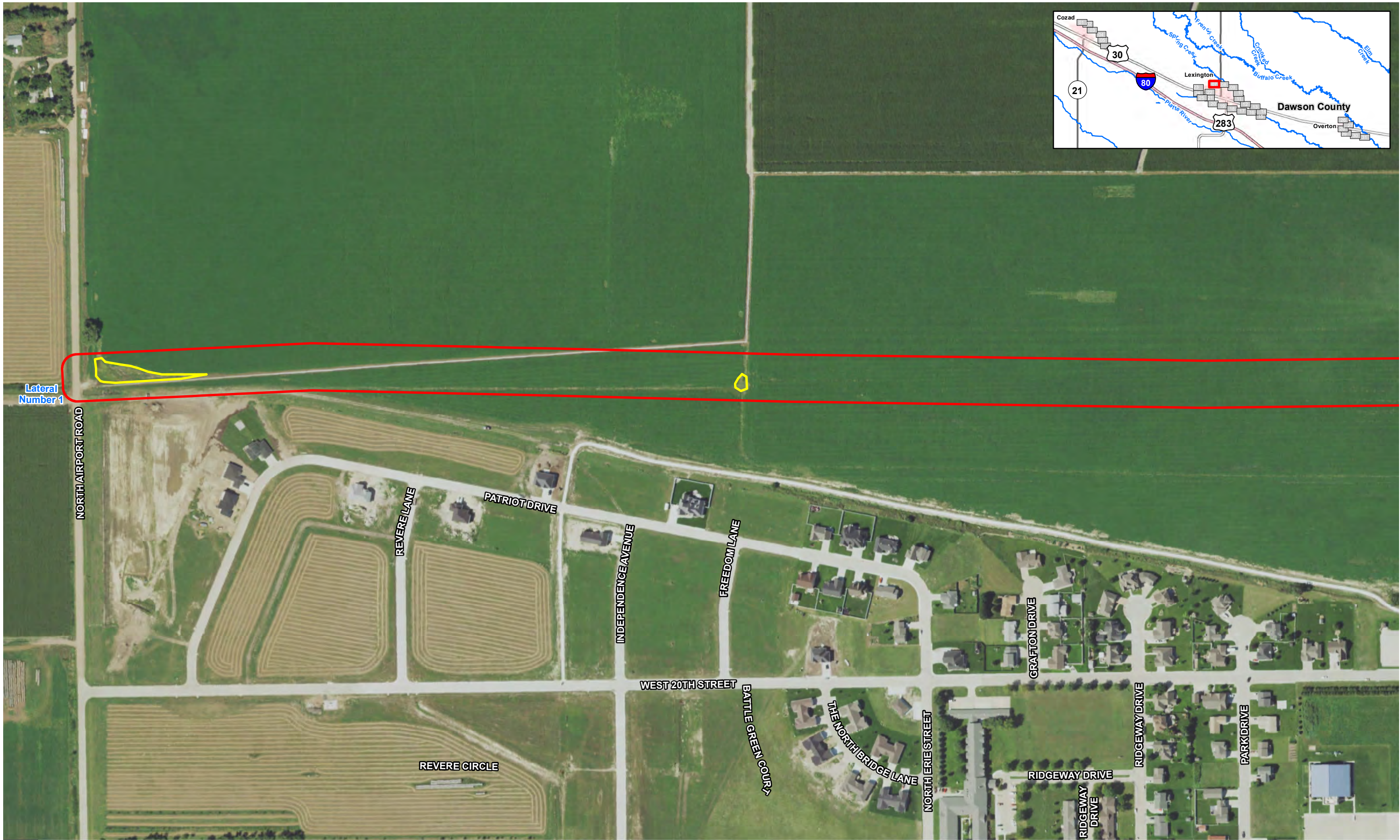
30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2018-08-27	2.522835	3.525197	3.299213	Normal	2	3	6
2018-07-28	1.752756	4.452362	3.535433	Normal	2	2	4
2018-06-28	2.009449	4.993307	4.84252	Normal	2	1	2
Result							Normal Conditions - 12



Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
OCONTO 0.9 ESE	41.1325, -99.7503	2565.945	24.967	180.675	15.746	1091	0
EDDYVILLE 11.4 N	41.1759, -99.6131	2381.89	28.518	3.38	12.929	3336	87
COZAD 7.2 E	40.8658, -99.8494	2474.081	9.241	88.811	4.979	426	2
LEXINGTON 1.1 E	40.78, -99.72	2395.013	0.607	9.743	0.279	27	1
ELM CREEK 4.8 WNW	40.7471, -99.4578	2329.068	14.025	56.202	7.099	2	0
BERTRAND	40.5283, -99.6353	2520.013	17.446	134.743	10.201	6400	0
CANADAY STEAM PLT	40.6944, -99.7008	2361.877	5.475	23.393	2.592	36	0
COZAD 2S	40.8592, -99.9789	2473.097	14.646	87.827	7.877	1	0
ELWOOD 8 S	40.4767, -99.8861	2399.934	22.088	14.664	10.263	6	0
EUSTIS 2 NW	40.6864, -100.0536	2733.924	18.246	348.654	14.572	28	0



NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

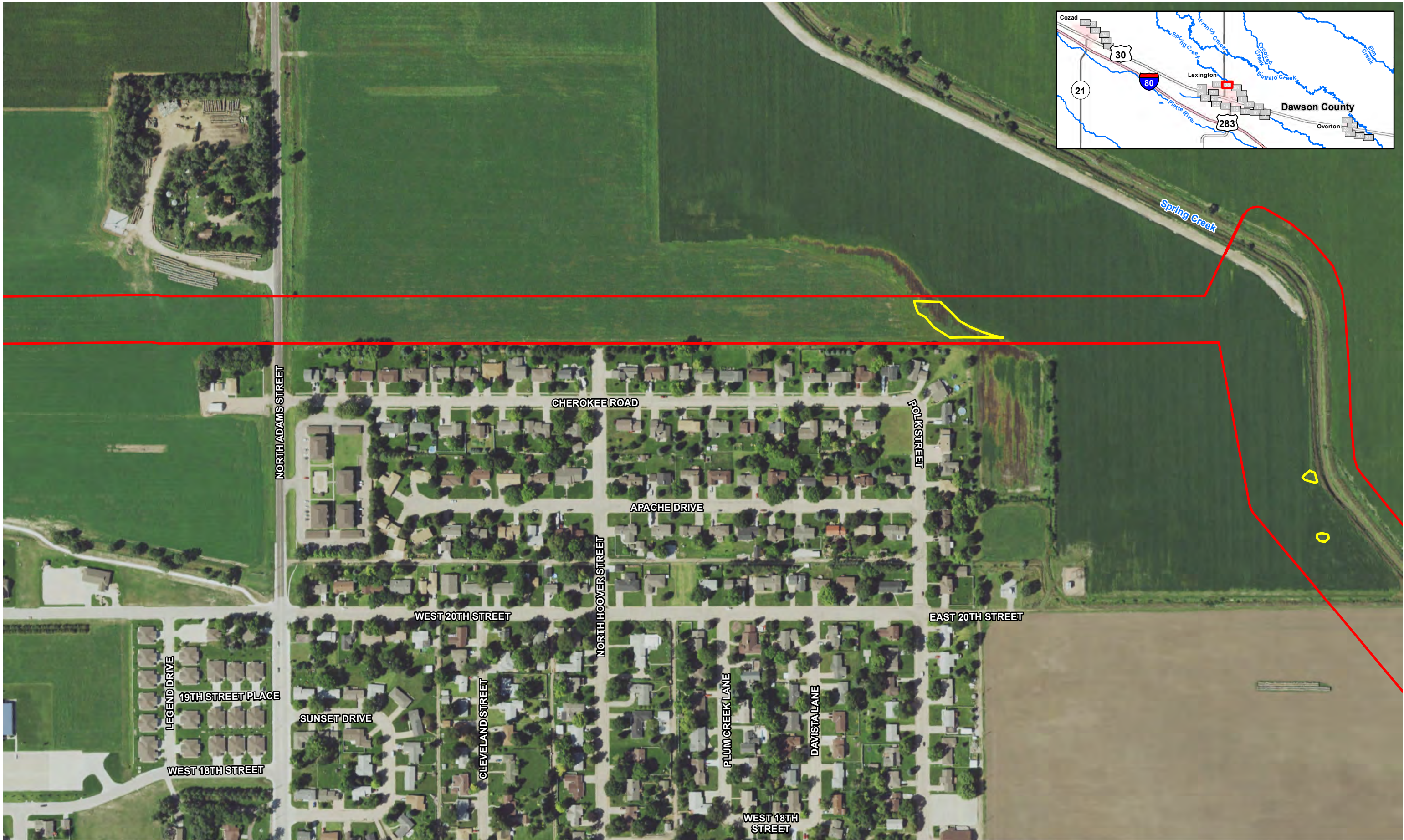
FIGURE 4 PAGE 7 OF 31

WETLAND DELINEATION REPORT



Wetland Signature

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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

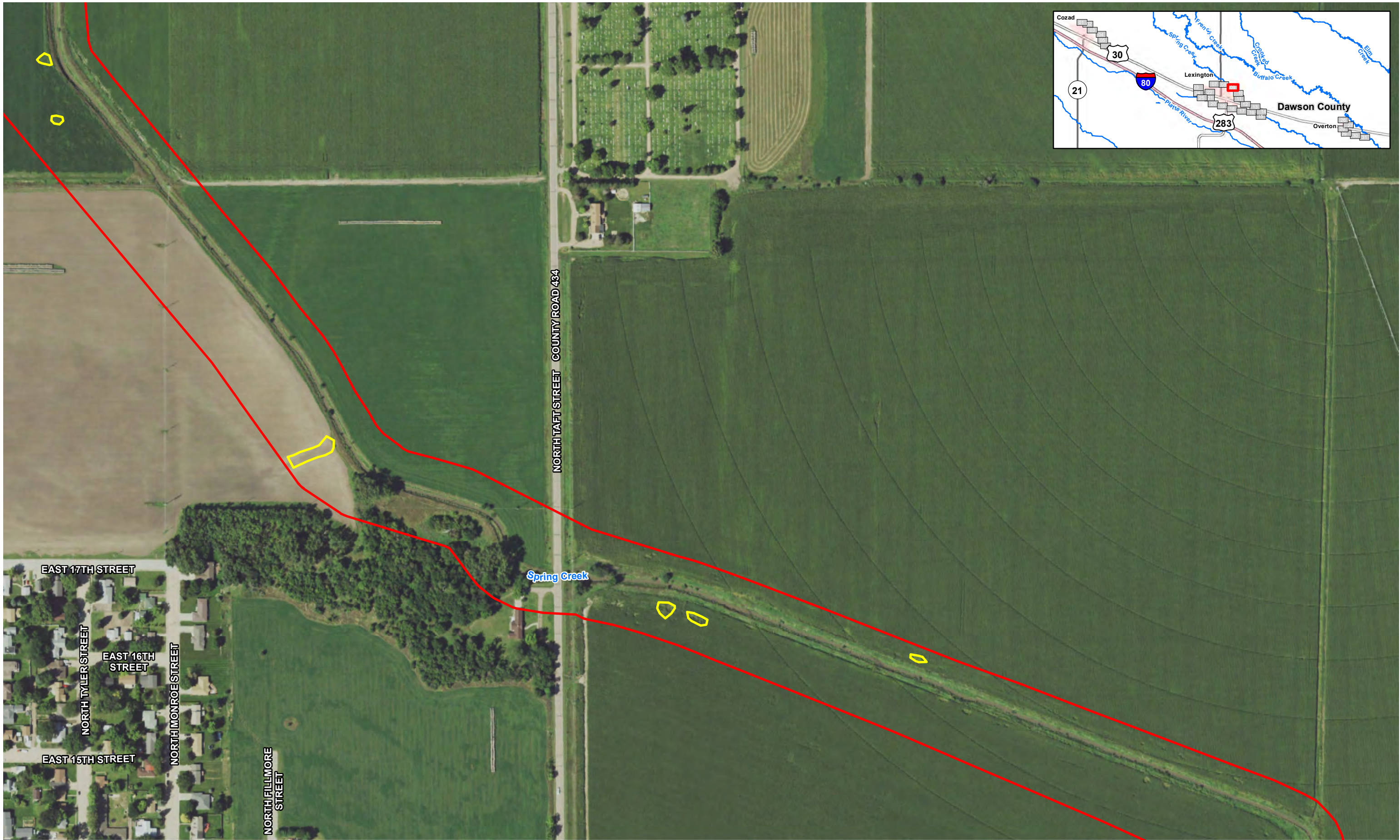
FIGURE 4 PAGE 8 OF 31

WETLAND DELINEATION REPORT



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NAIP 2018 IMAGERY - NORMAL CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY



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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

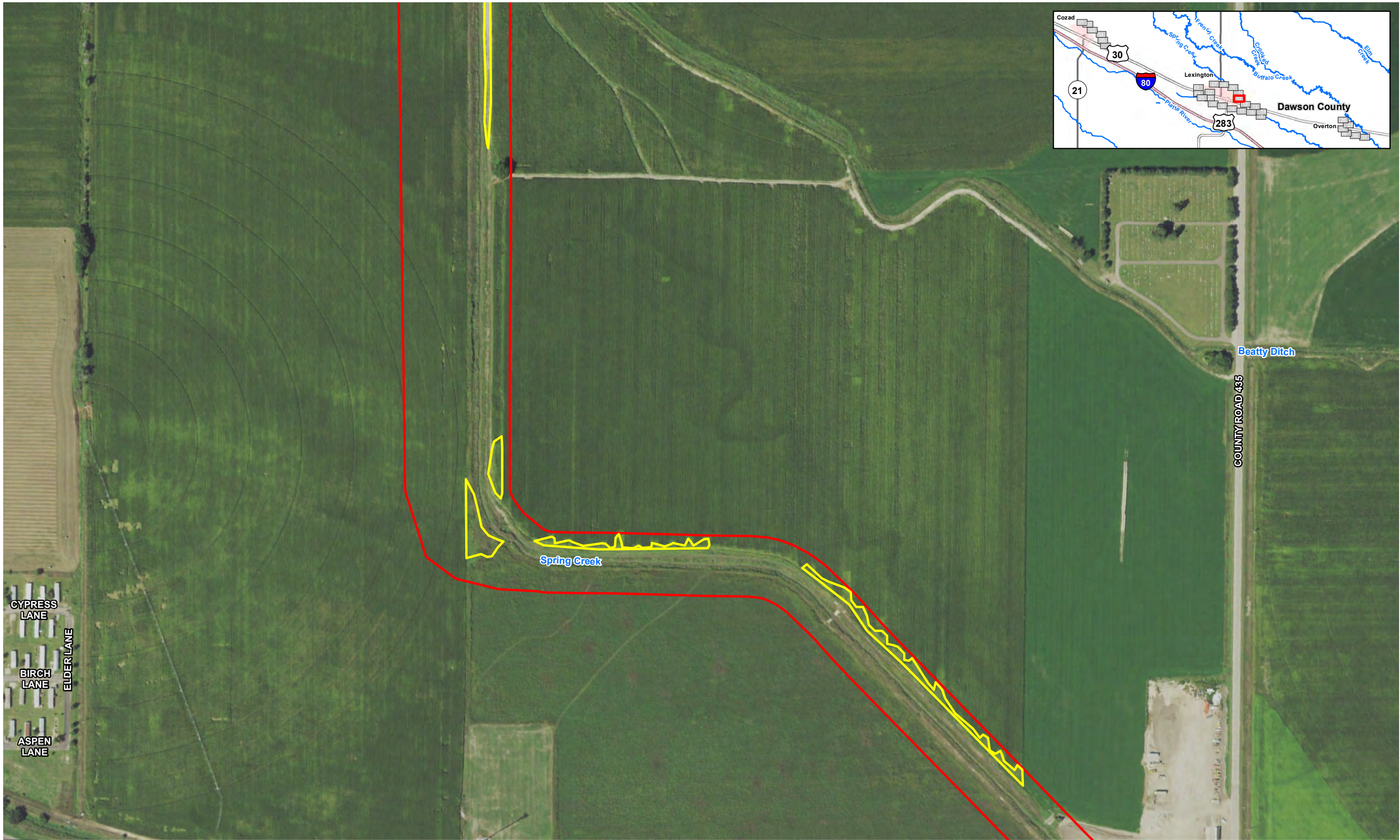
FIGURE 4 PAGE 10 OF 31

WETLAND DELINEATION REPORT



Wetland Signature

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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

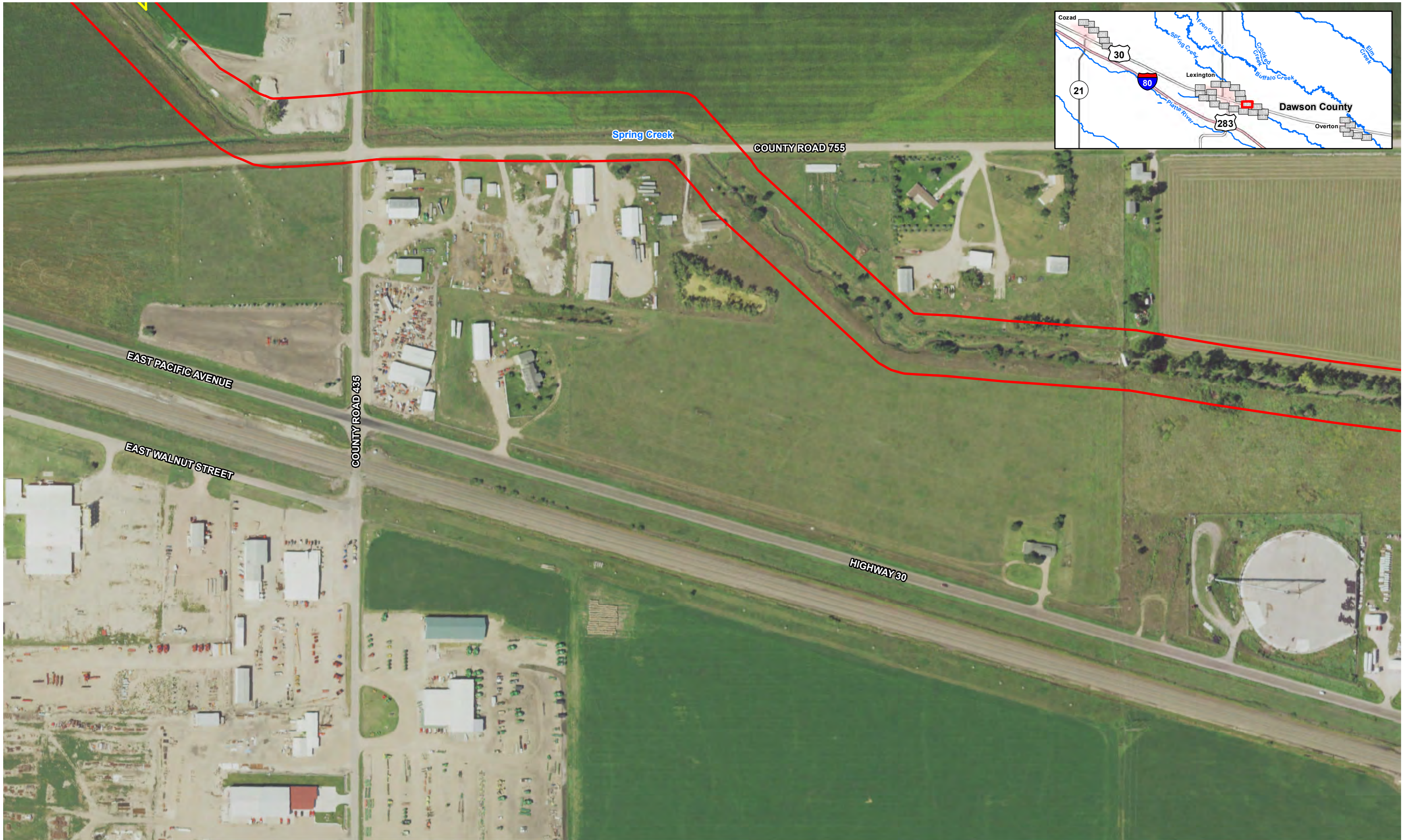
FIGURE 4 PAGE 11 OF 31

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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

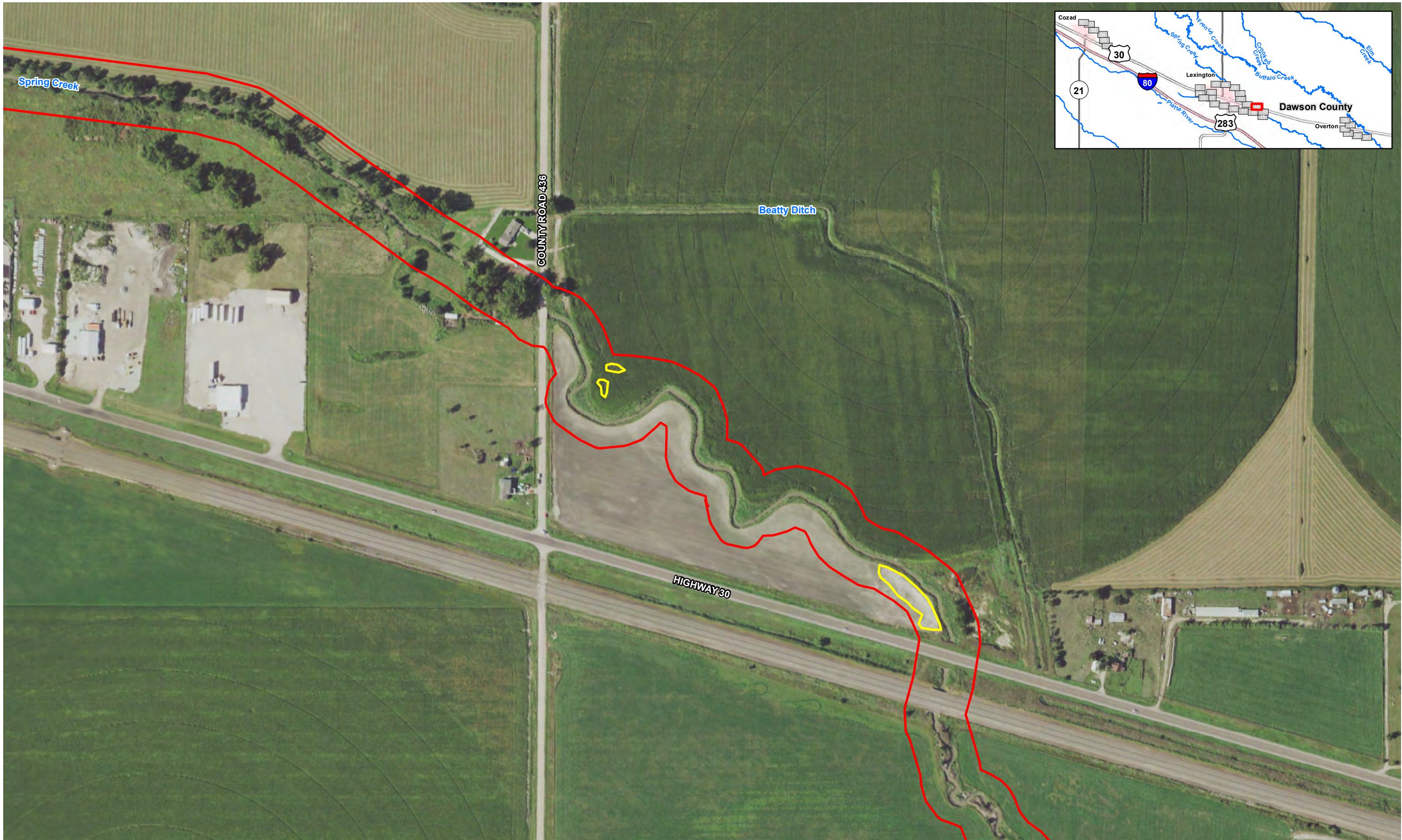
FIGURE 4 PAGE 12 OF 31

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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

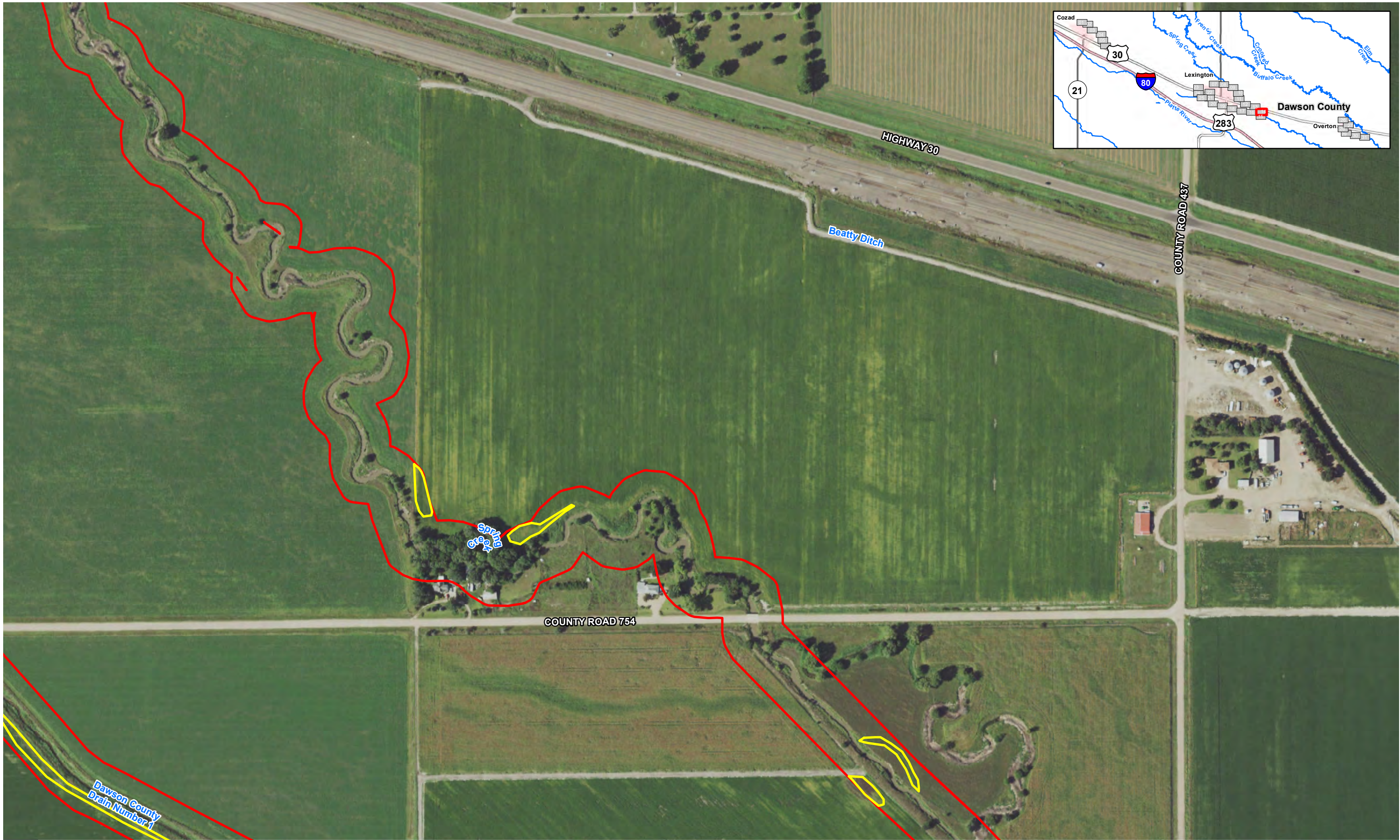
FIGURE 4 PAGE 13 OF 31

WETLAND DELINEATION REPORT



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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

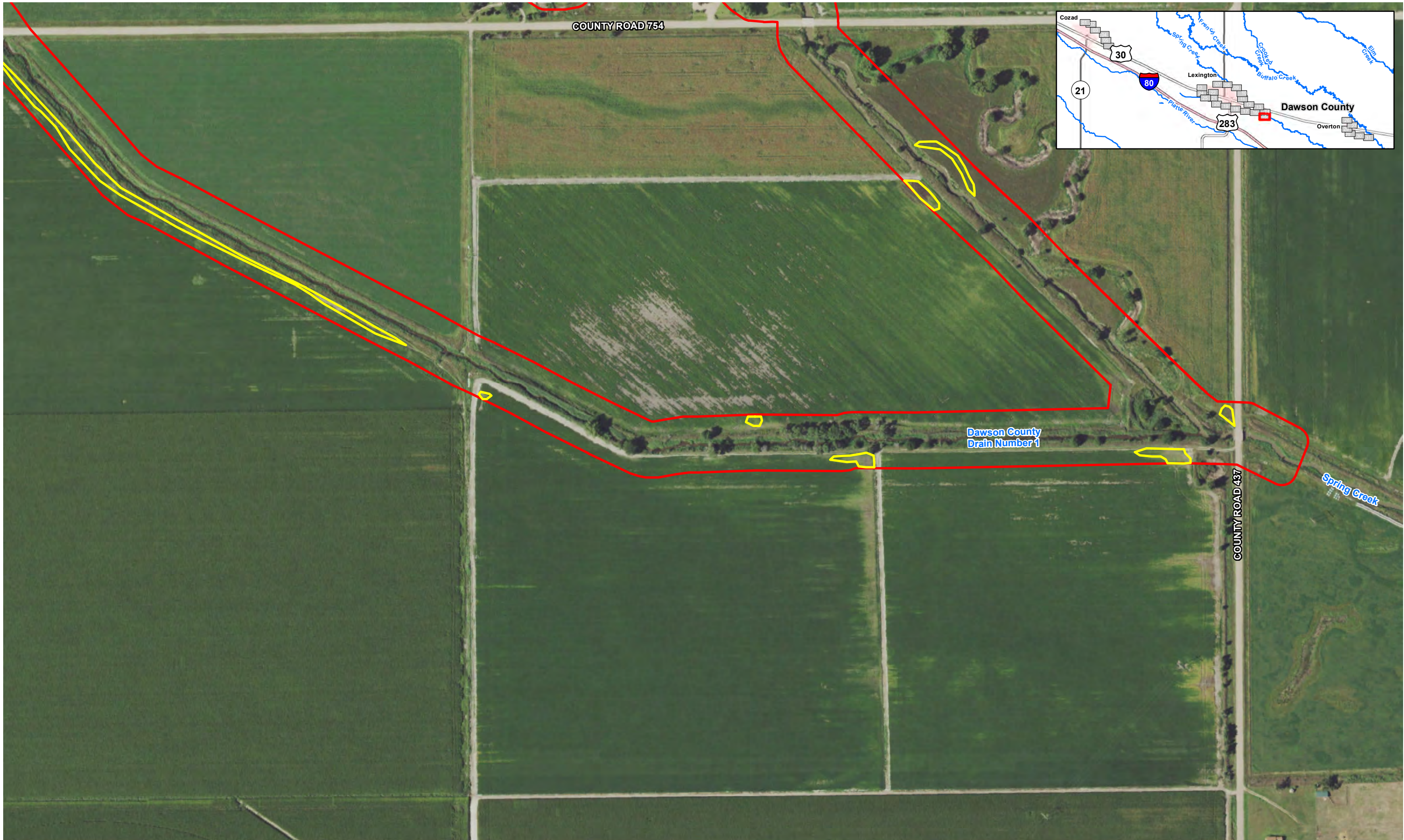
FIGURE 4 PAGE 14 OF 31

WETLAND DELINEATION REPORT



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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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WETLAND DELINEATION REPORT



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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

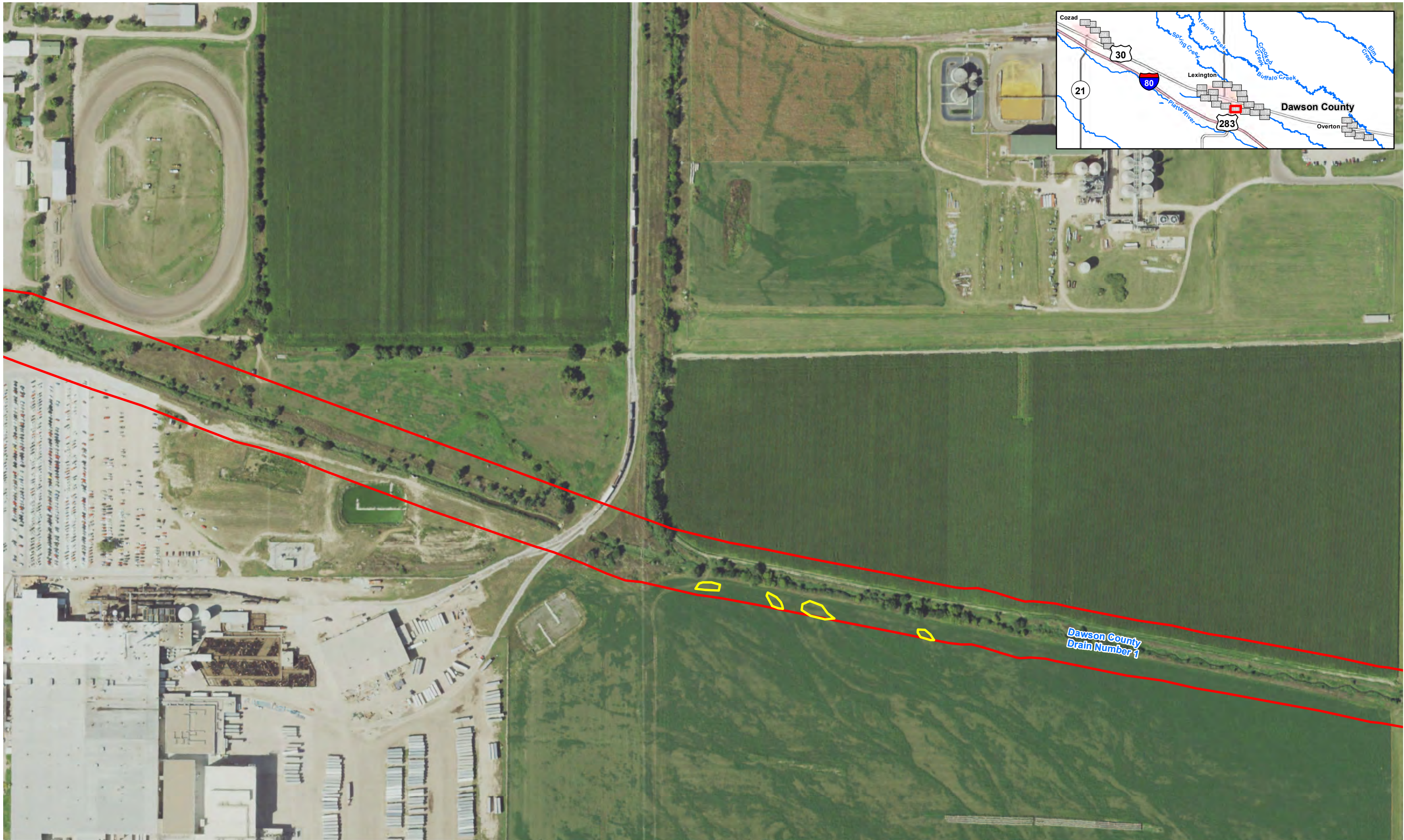
FIGURE 4 PAGE 17 OF 31

WETLAND DELINEATION REPORT



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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

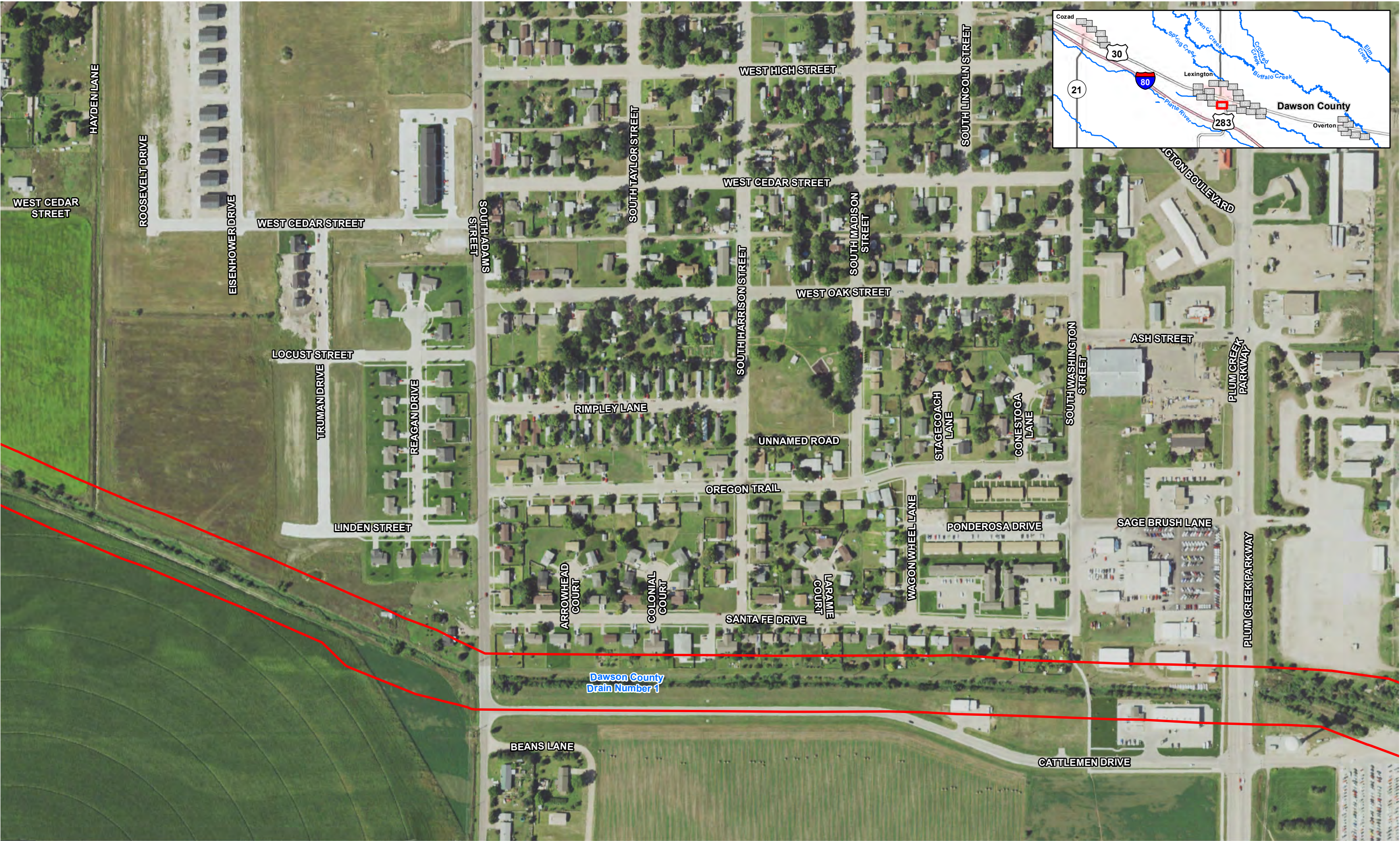
FIGURE 4 PAGE 18 OF 31

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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

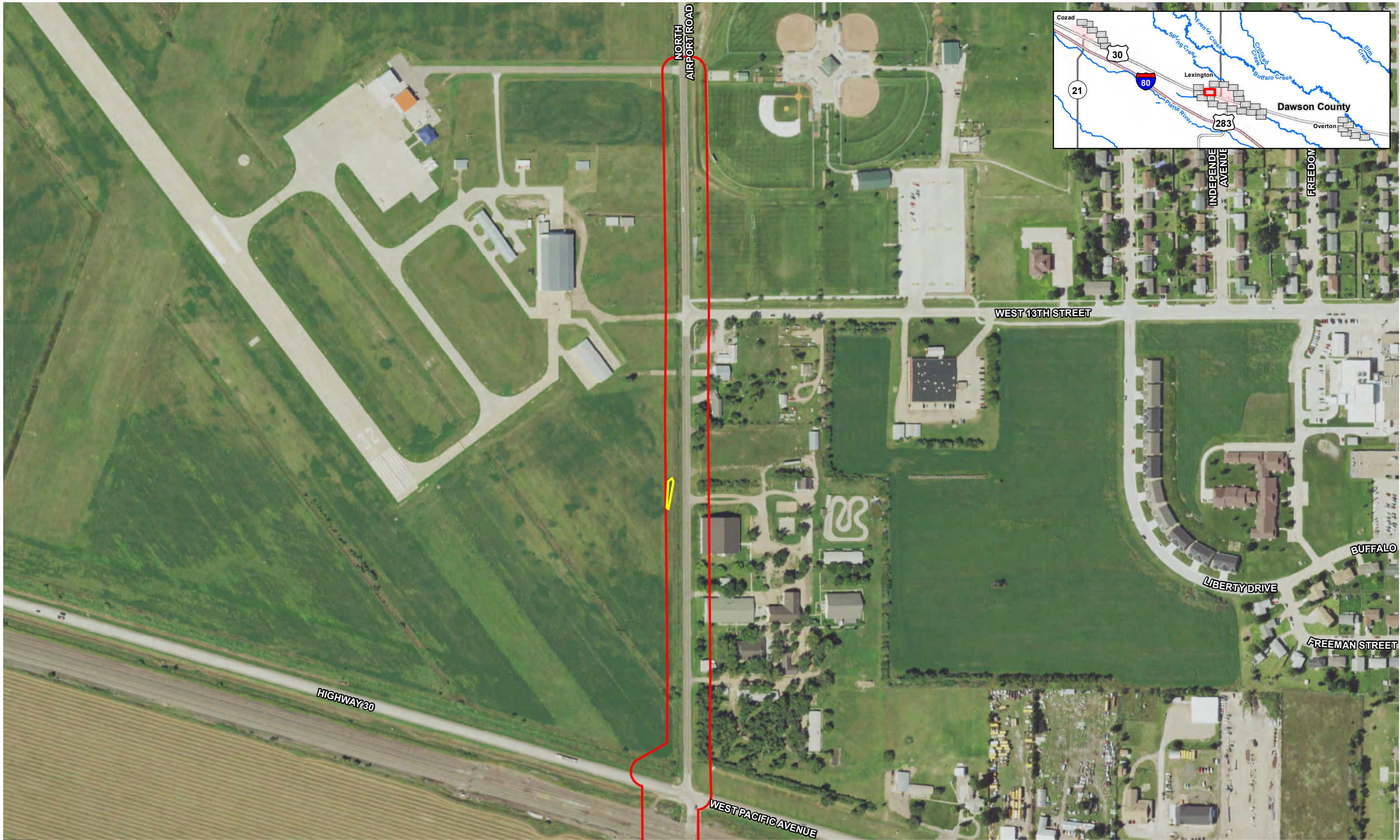
FIGURE 4 PAGE 21 OF 31

WETLAND DELINEATION REPORT



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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

FIGURE 4 PAGE 22 OF 31

WETLAND DELINEATION REPORT



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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

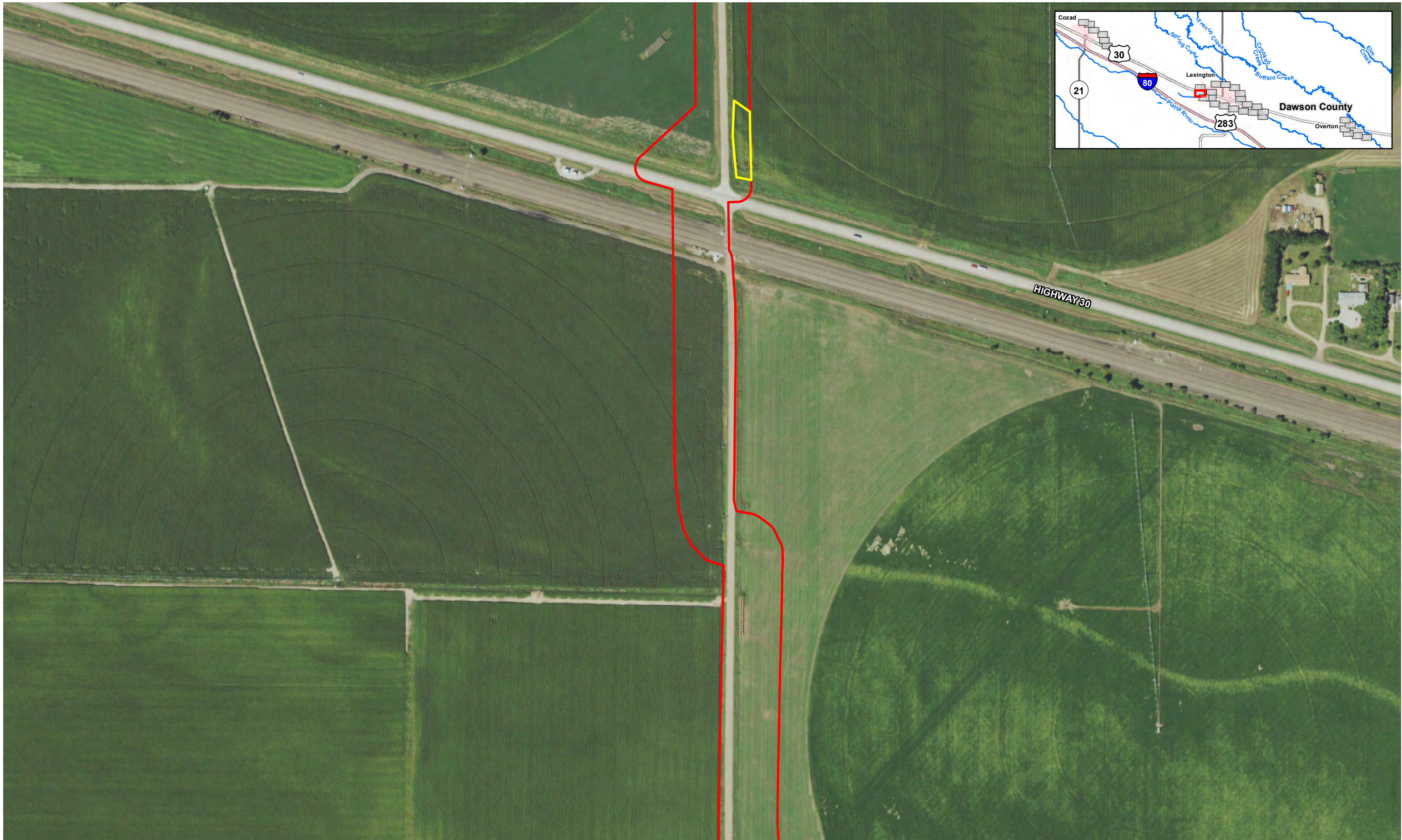
FIGURE 4 PAGE 23 OF 31

WETLAND DELINEATION REPORT



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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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NAIP 2018 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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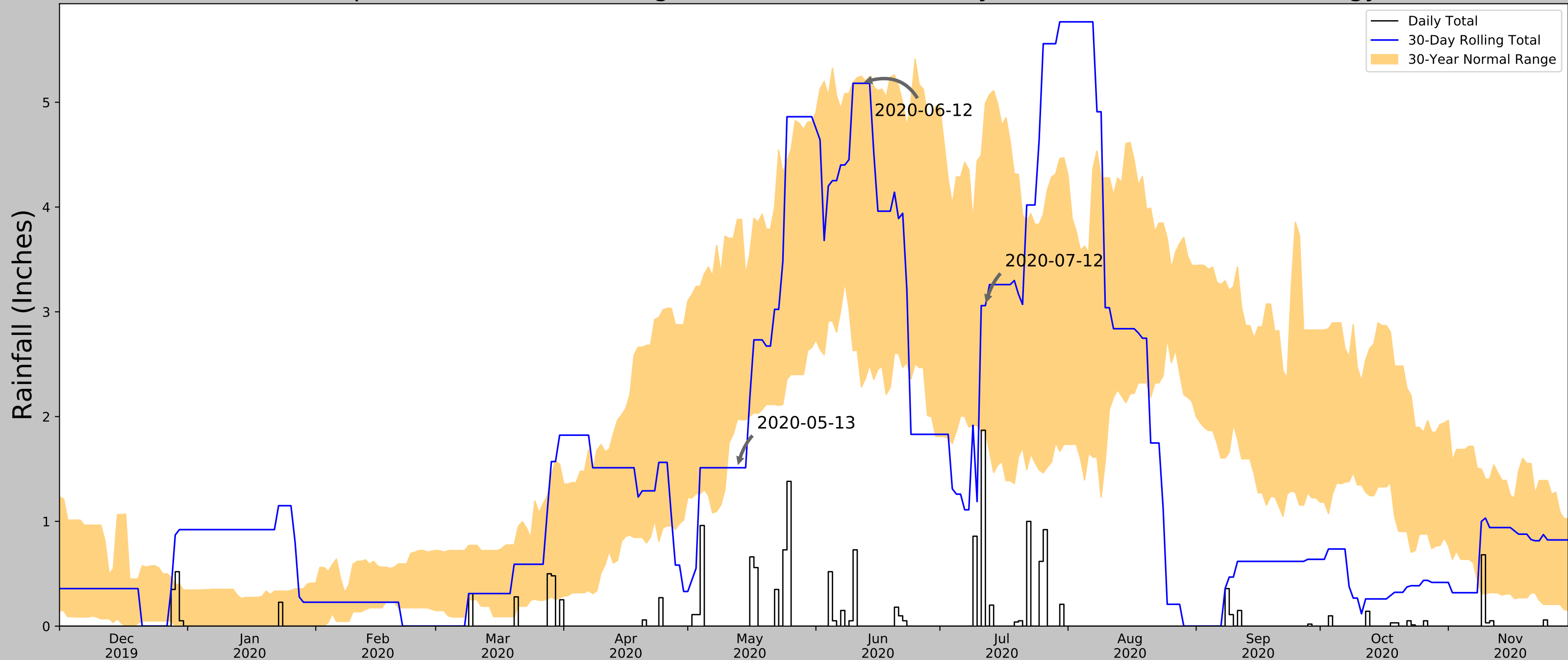
WETLAND DELINEATION REPORT



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Study Area

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	40.7717, -99.7238
Observation Date	2020-07-12
Elevation (ft)	2385.27
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Dry Season

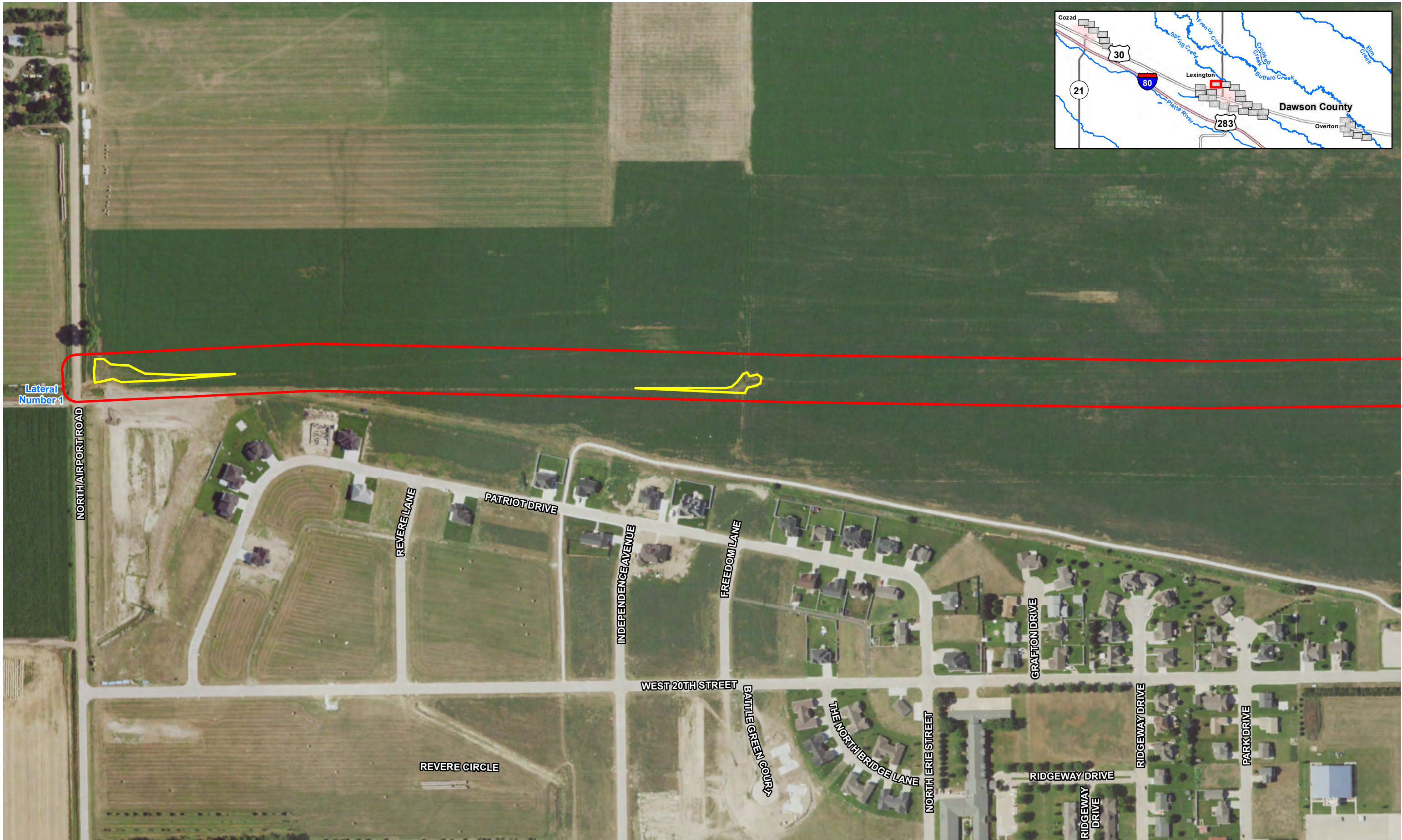
30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2020-07-12	1.86063	4.989764	3.059055	Normal	2	3	6
2020-06-12	2.282677	5.249213	5.181103	Normal	2	2	4
2020-05-13	1.974803	3.88189	1.511811	Dry	1	1	1
Result							Normal Conditions - 11



Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
OCONTO 0.9 ESE	41.1325, -99.7503	2565.945	24.967	180.675	15.746	1091	0
EDDYVILLE 11.4 N	41.1759, -99.6131	2381.89	28.518	3.38	12.929	4035	85
COZAD 7.2 E	40.8658, -99.8494	2474.081	9.241	88.811	4.979	431	0
LEXINGTON 1.1 E	40.78, -99.72	2395.013	0.607	9.743	0.279	53	5
ELM CREEK 4.8 WNW	40.7471, -99.4578	2329.068	14.025	56.202	7.099	2	0
BERTRAND	40.5283, -99.6353	2520.013	17.446	134.743	10.201	5669	0
CANADAY STEAM PLT	40.6944, -99.7008	2361.877	5.475	23.393	2.592	36	0
COZAD 2S	40.8592, -99.9789	2473.097	14.646	87.827	7.877	1	0
ELWOOD 8 S	40.4767, -99.8861	2399.934	22.088	14.664	10.263	6	0
EUSTIS 2 NW	40.6864, -100.0536	2733.924	18.246	348.654	14.572	28	0



NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

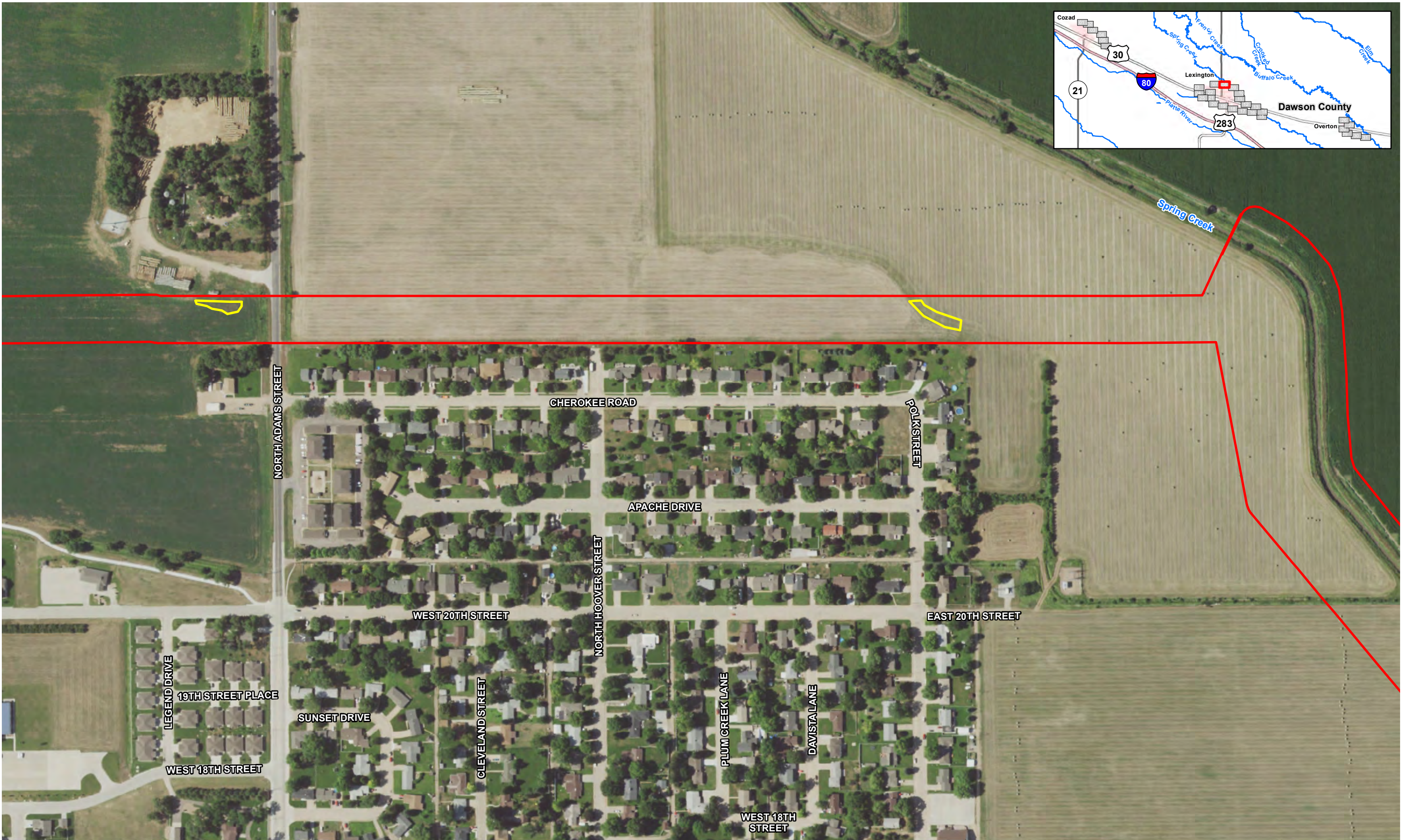
FIGURE 4 PAGE 7 OF 31

WETLAND DELINEATION REPORT



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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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WETLAND DELINEATION REPORT



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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

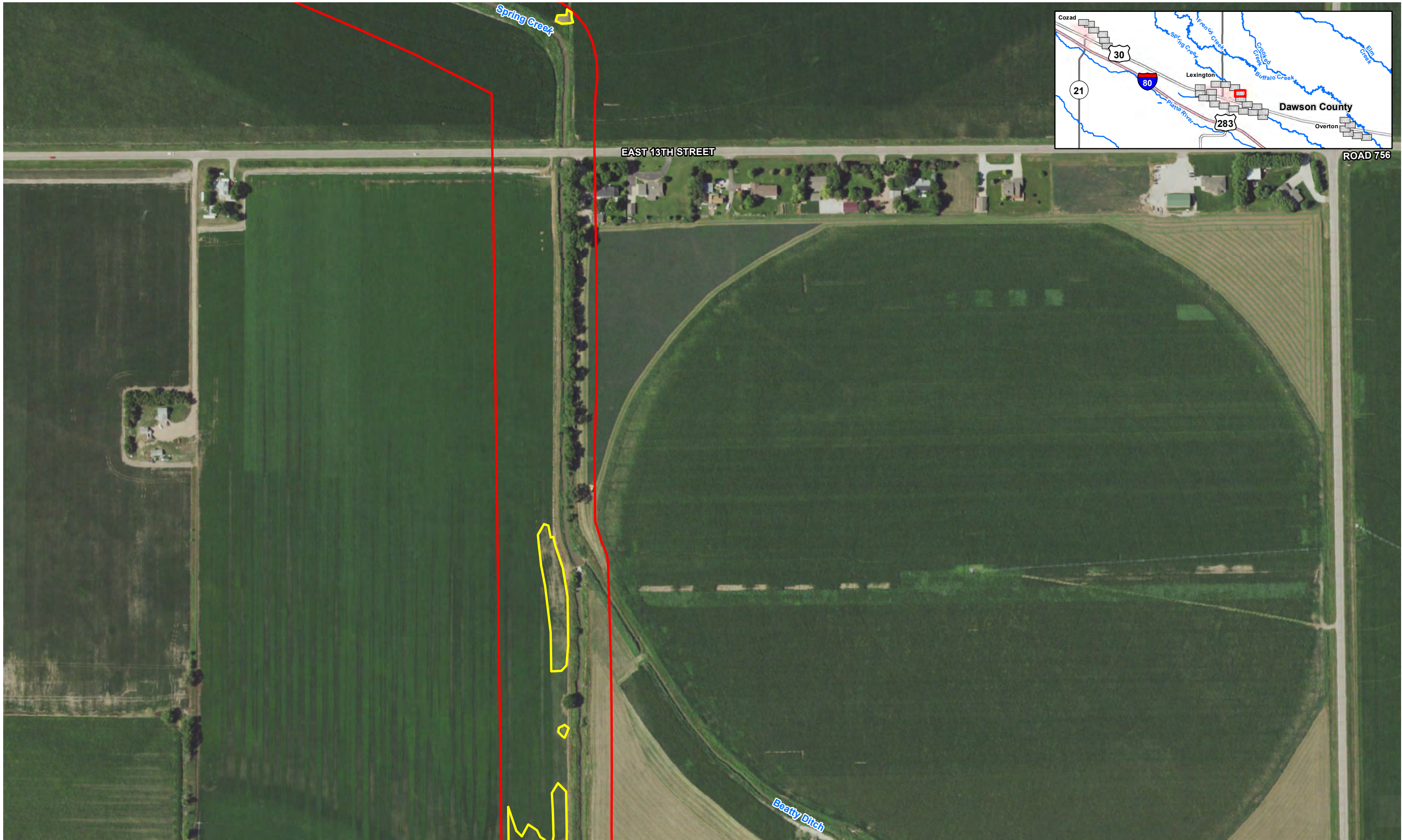
FIGURE 4 PAGE 9 OF 31

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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

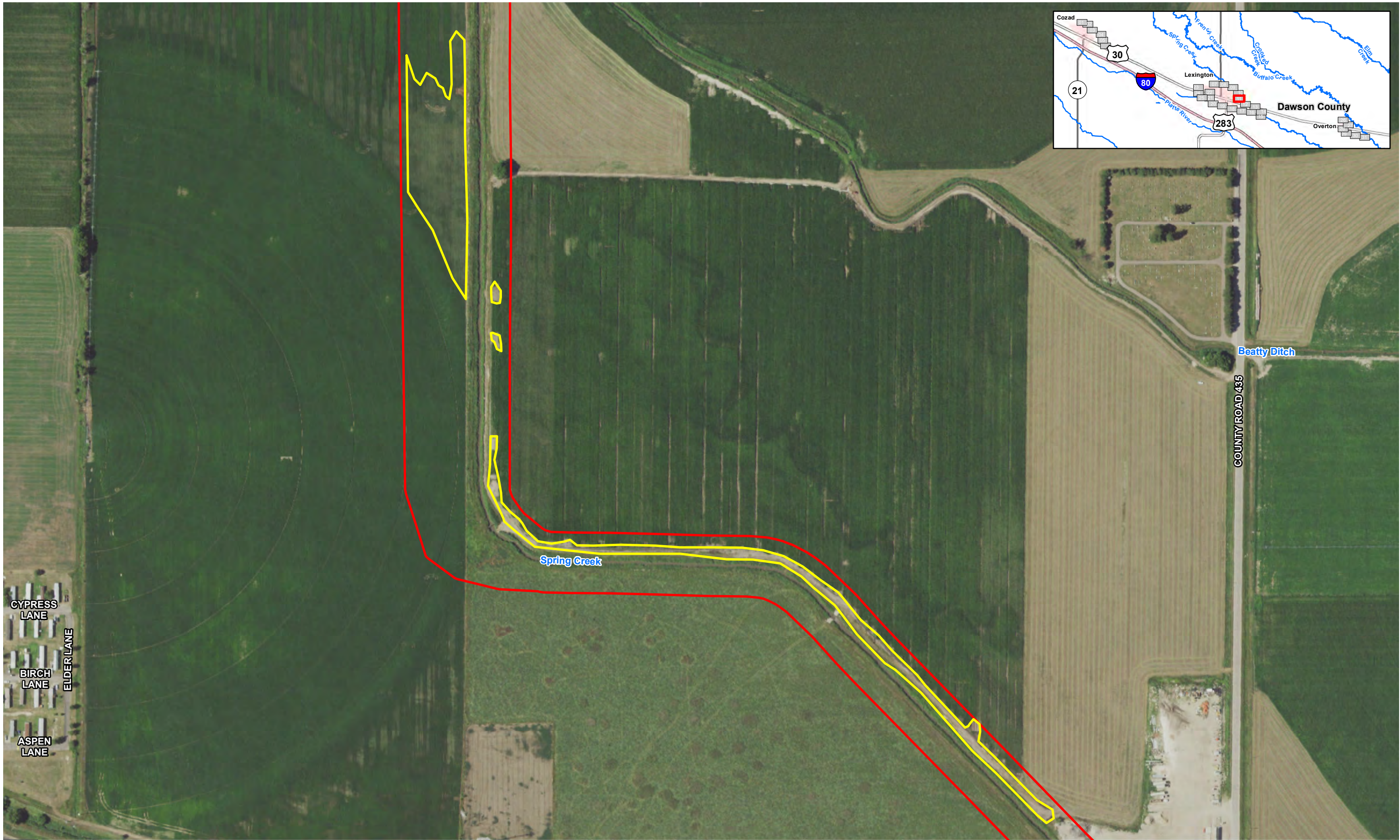
FIGURE 4 PAGE 10 OF 31

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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

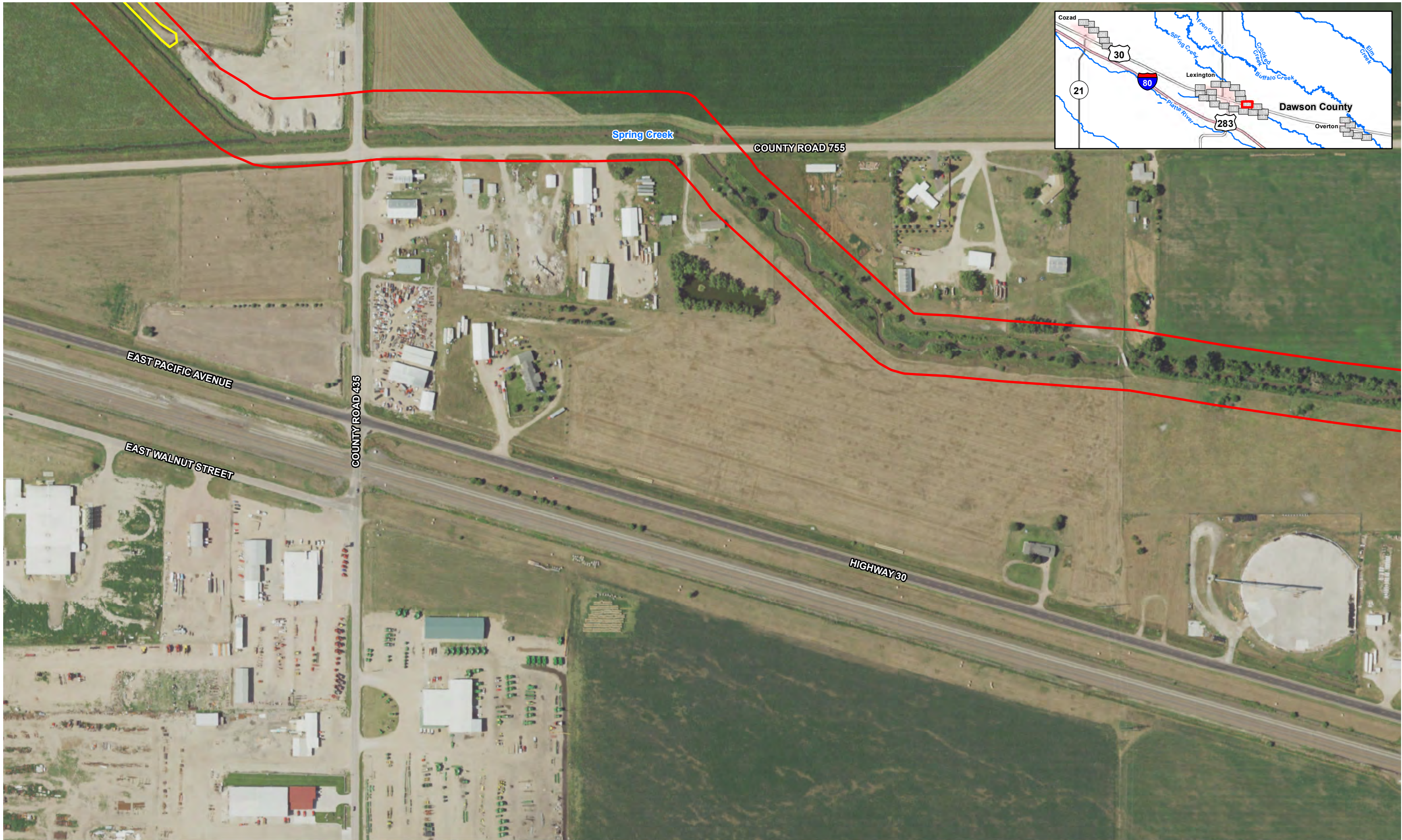
FIGURE 4 PAGE 11 OF 31

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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

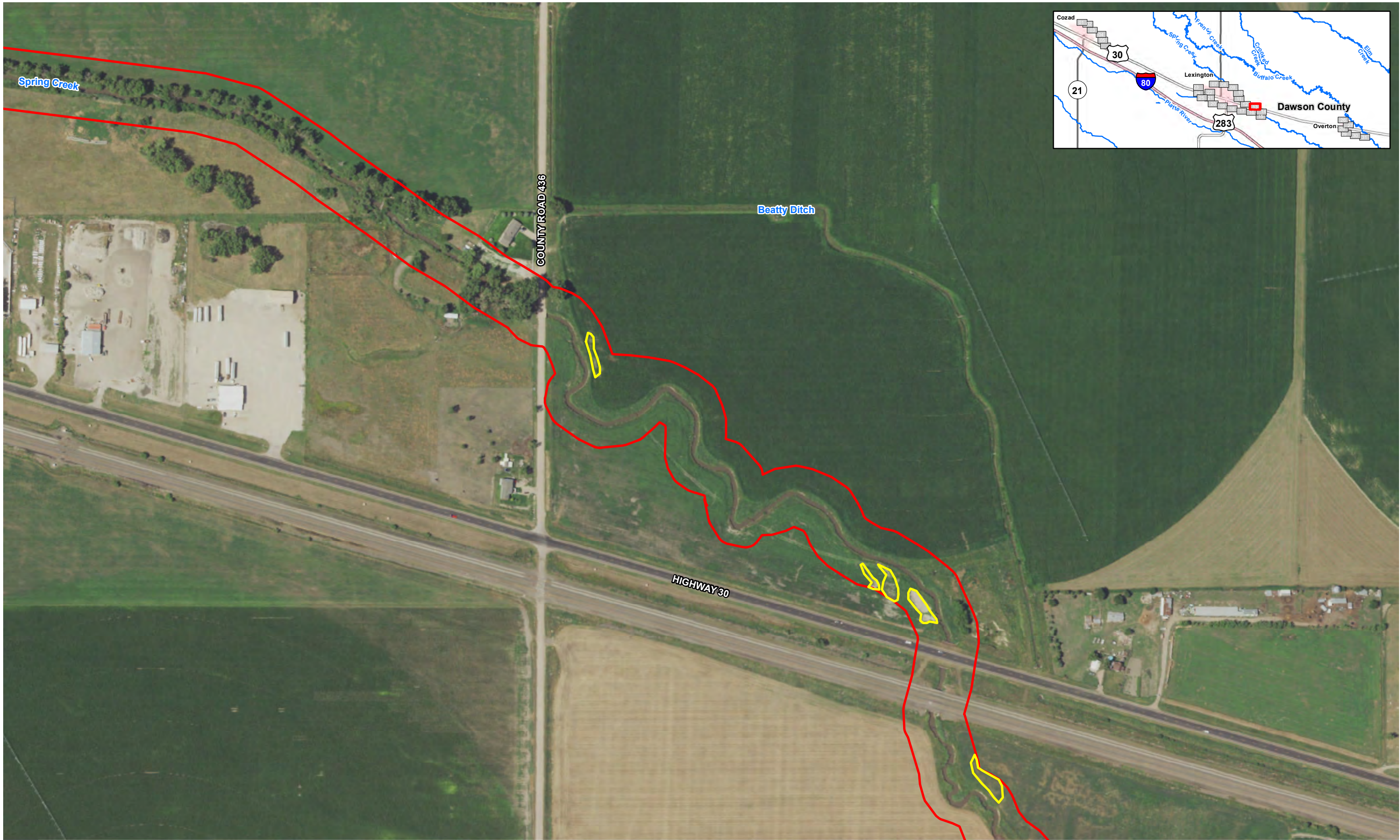
FIGURE 4 PAGE 12 OF 31

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NAIP 2020 IMAGERY - NORMAL CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY



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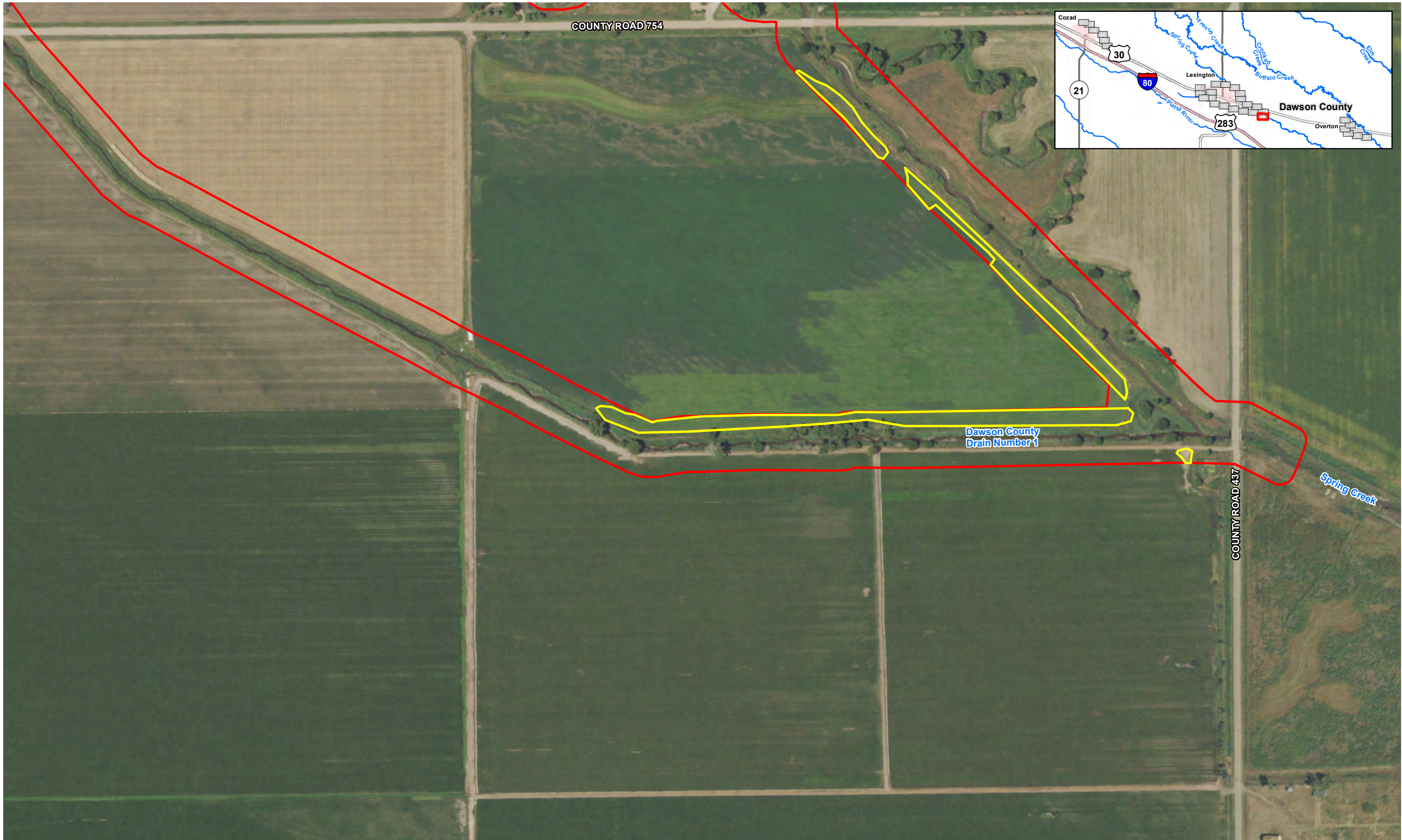


NAIP 2020 IMAGERY - NORMAL CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY



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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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WETLAND DELINEATION REPORT



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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

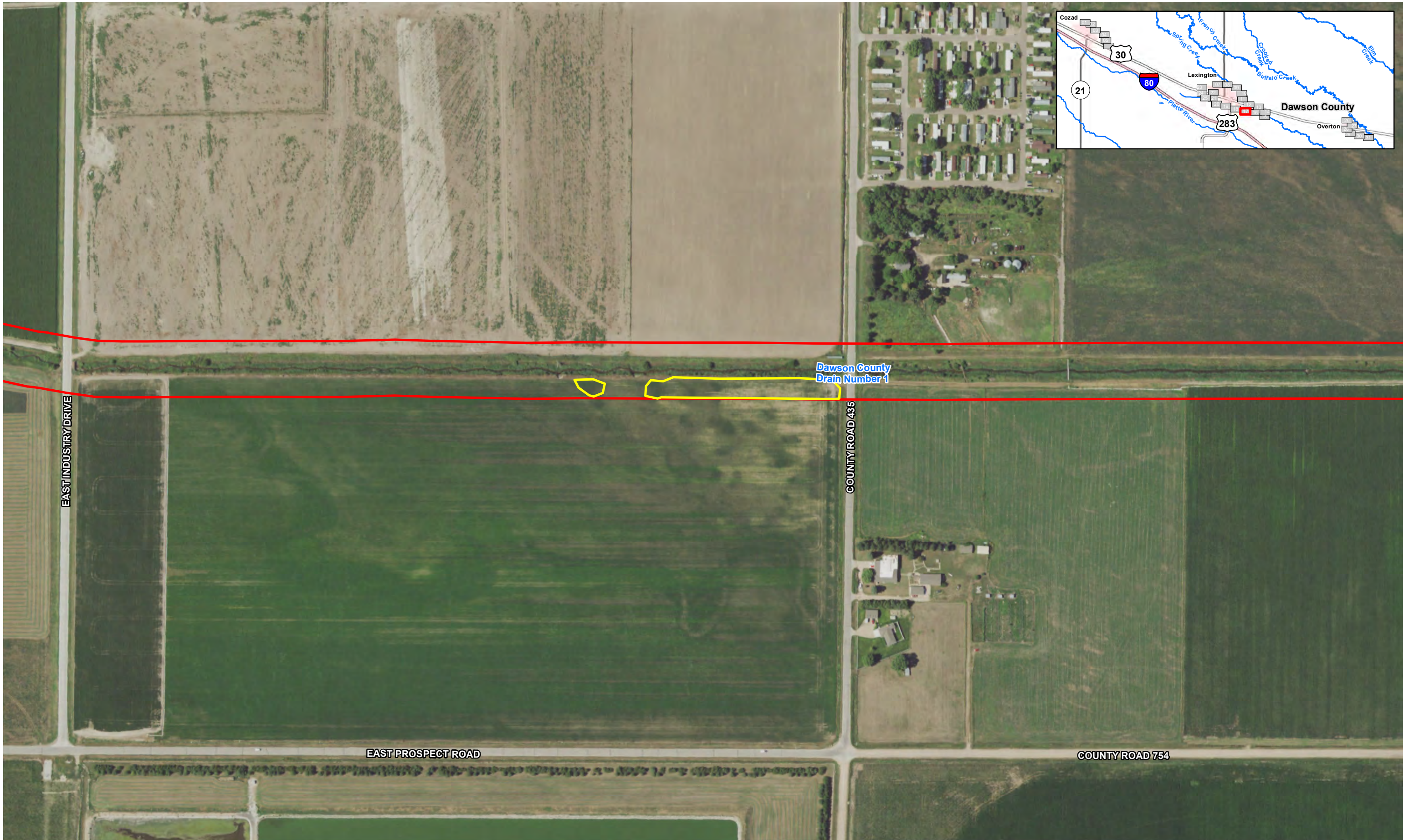
FIGURE 4 PAGE 16 OF 31

WETLAND DELINEATION REPORT



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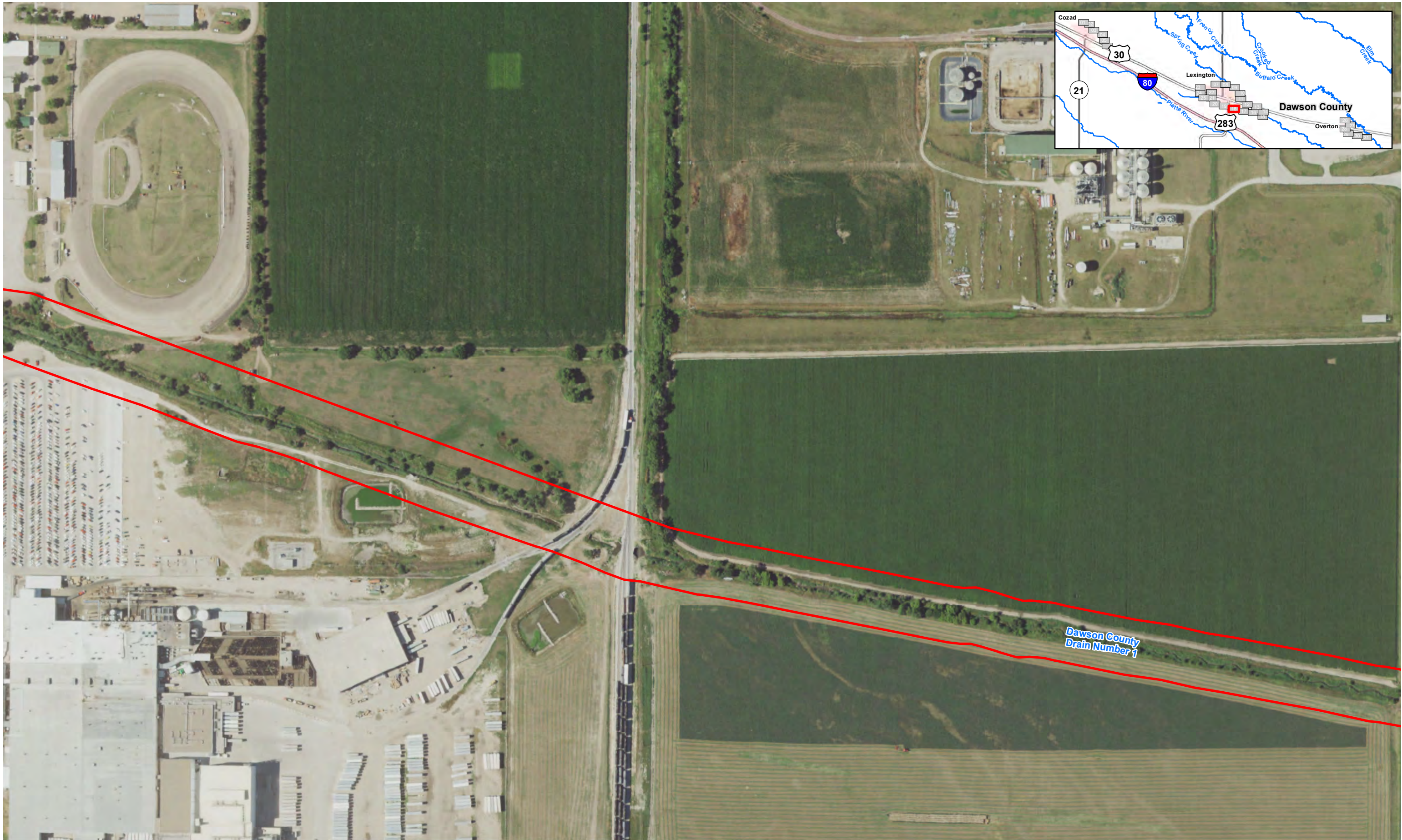
Study Area

NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

FIGURE 4 PAGE 17 OF 31

WETLAND DELINEATION REPORT



NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

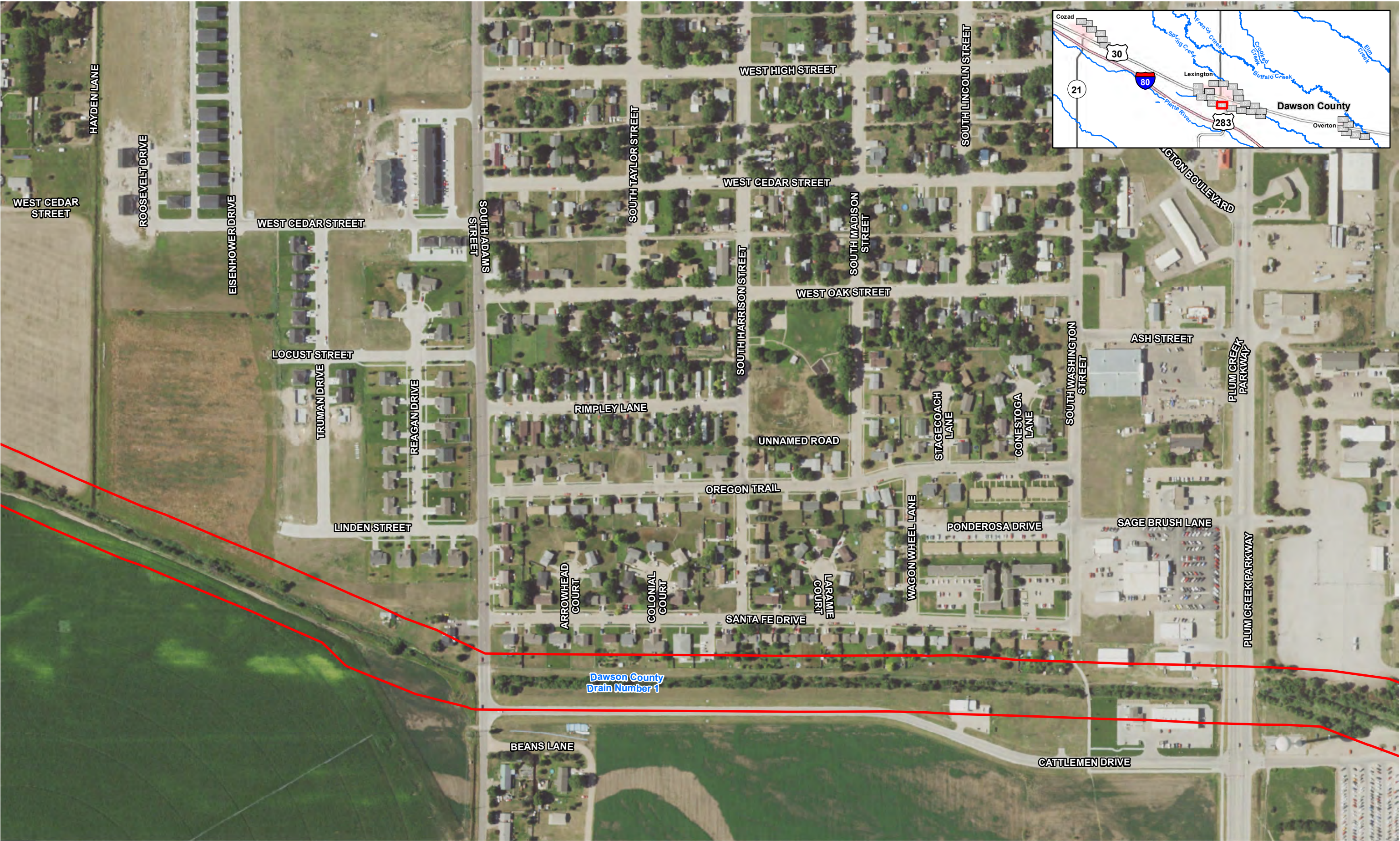
FIGURE 4 PAGE 18 OF 31

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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

FIGURE 4 PAGE 19 OF 31

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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

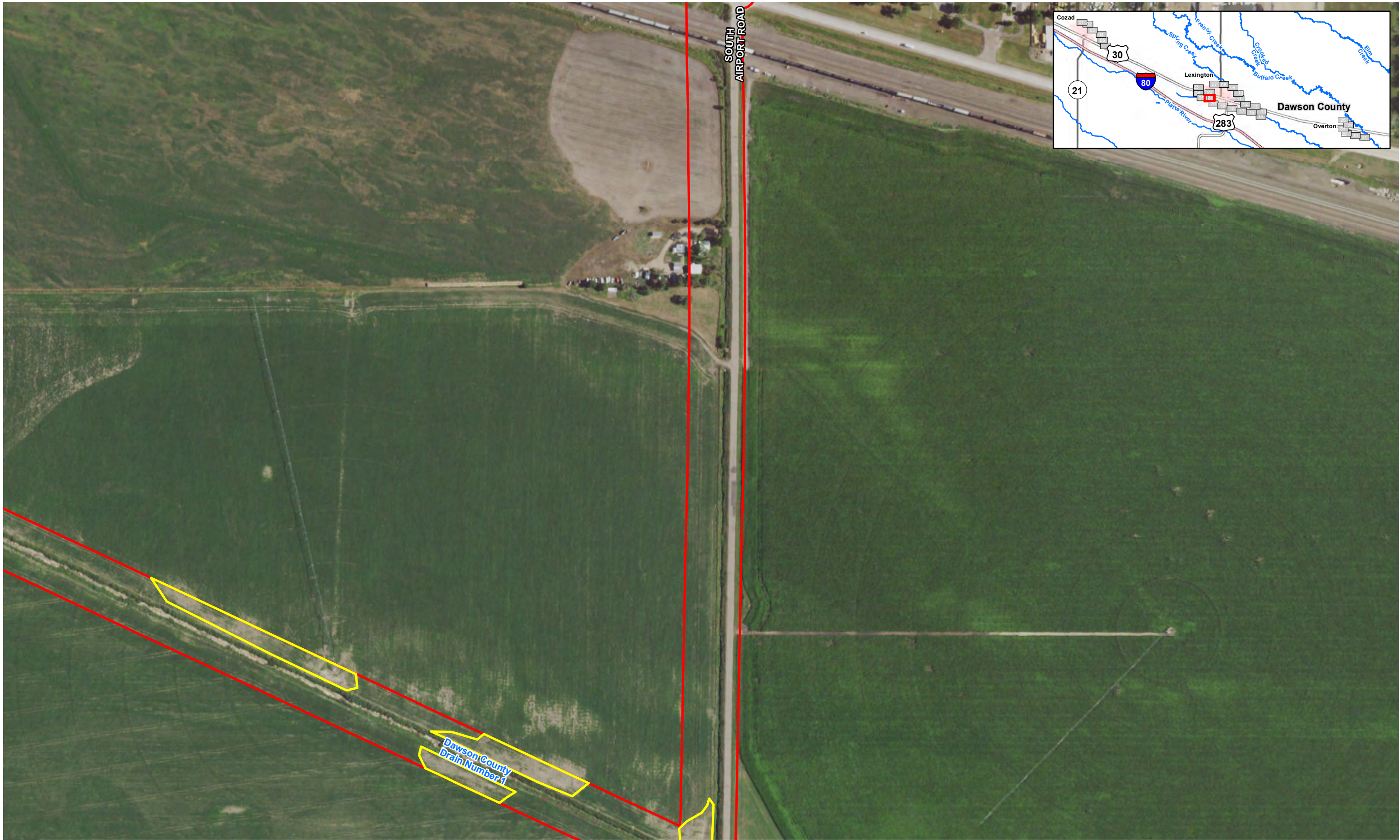
FIGURE 4 PAGE 20 OF 31

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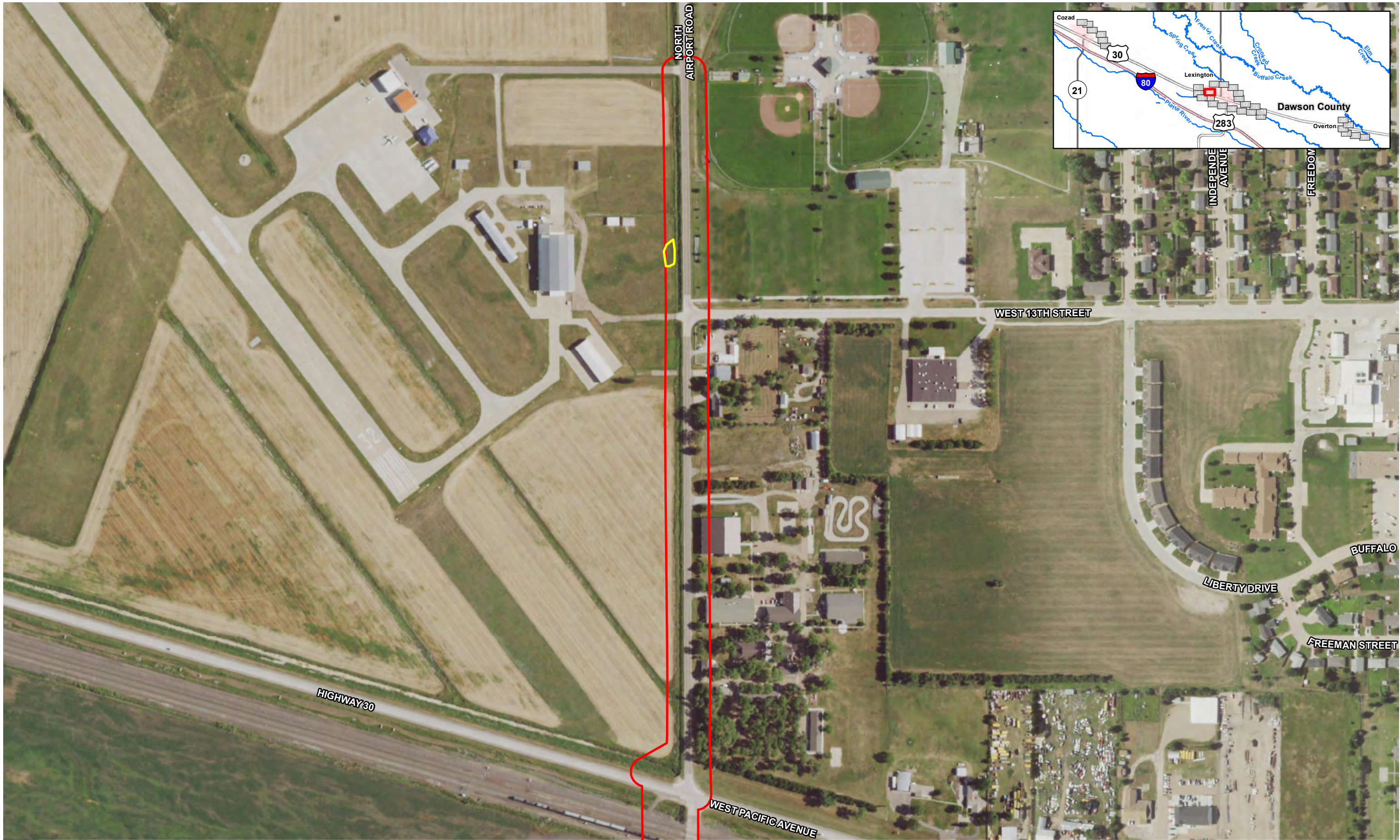


NAIP 2020 IMAGERY - NORMAL CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY



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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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WETLAND DELINEATION REPORT



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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

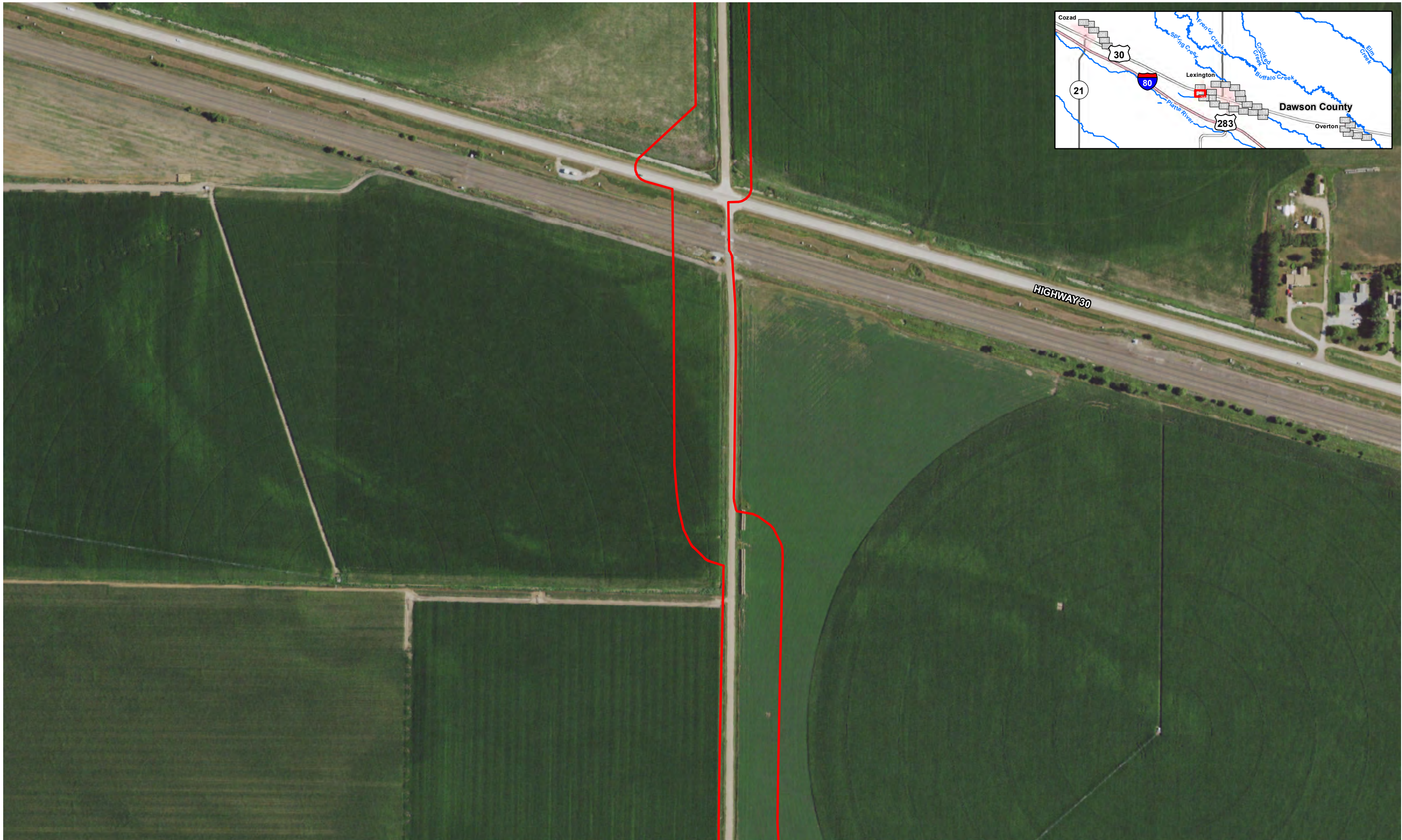
FIGURE 4 PAGE 23 OF 31

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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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WETLAND DELINEATION REPORT



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Dawson County
Drain Number 1

NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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WETLAND DELINEATION REPORT



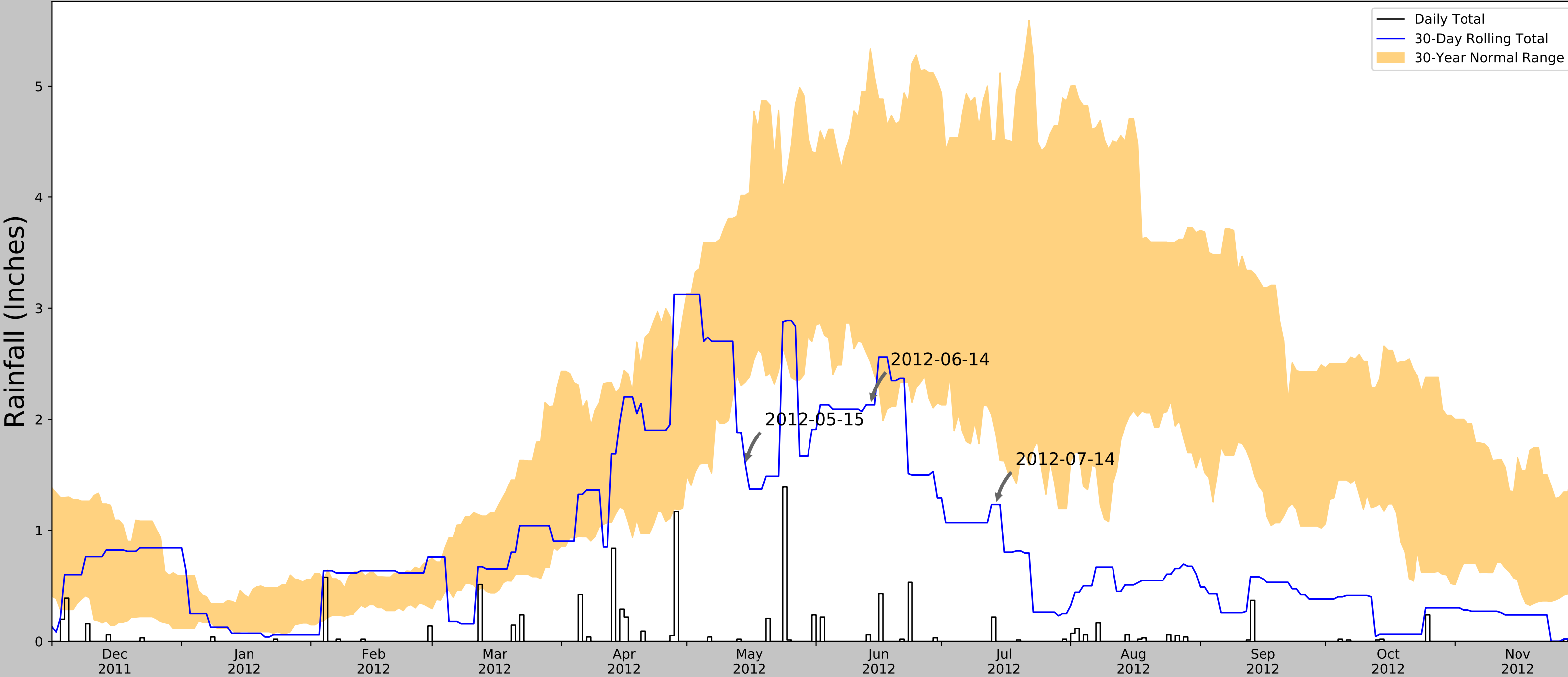
Wetland
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Study Area



Appendix H.
WETLANDS IN
AGRICULTURAL
SETTING - OVERTON

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	40.7331, -99.5243
Observation Date	2012-07-14
Elevation (ft)	2314.49
Drought Index (PDSI)	Severe drought
WebWIMP H ₂ O Balance	Dry Season

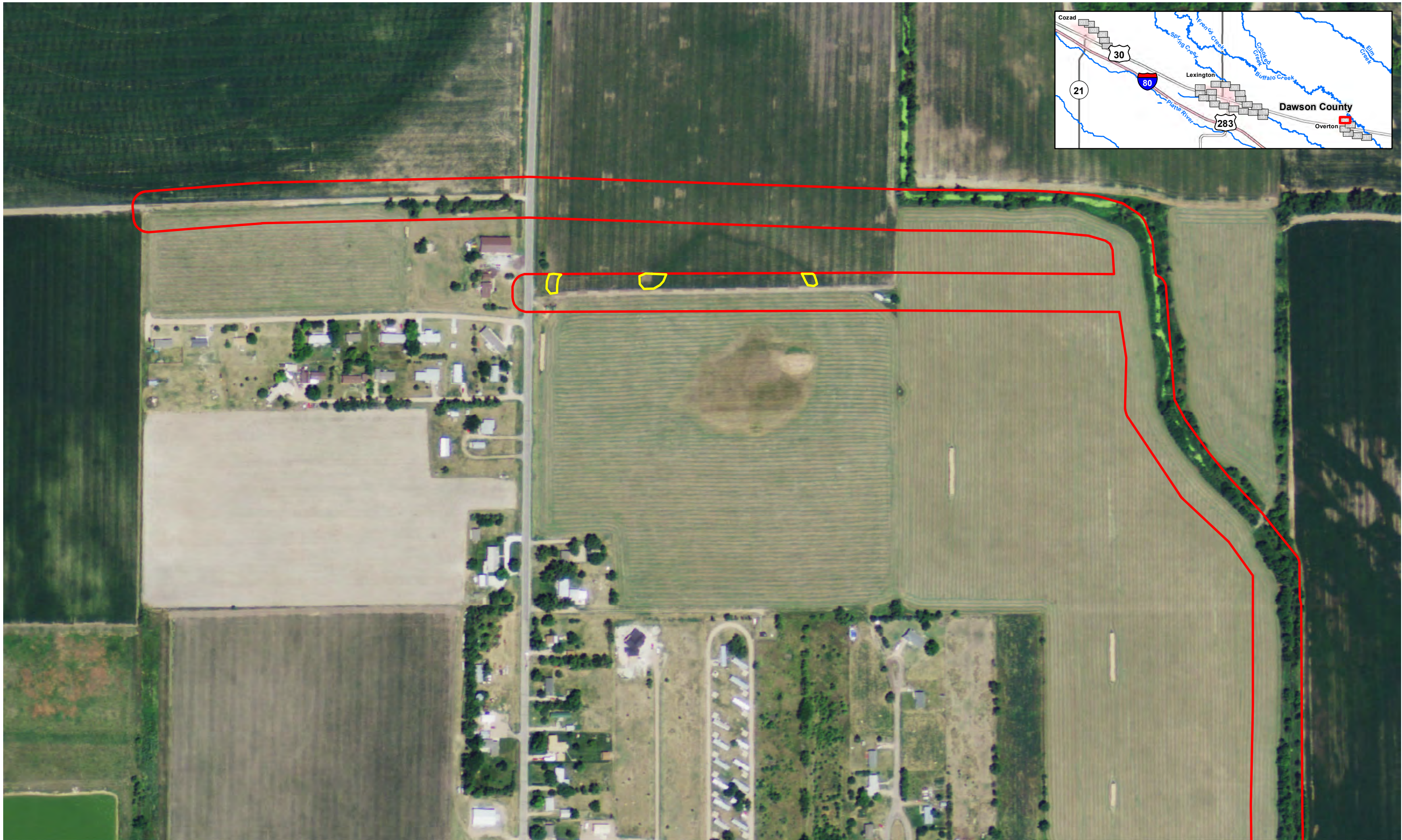
30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2012-07-14	1.865748	4.508268	1.232284	Dry	1	3	3
2012-06-14	2.519685	5.332284	2.129921	Dry	1	2	2
2012-05-15	2.338583	4.014173	1.590551	Dry	1	1	1
Result							Drier than Normal - 6



Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
MILLER 0.5 SE	40.9223, -99.3868	2384.843	14.919	70.353	7.763	2673	90
ELM CREEK 2.2 WSW	40.6995, -99.4062	2270.013	6.606	44.477	3.267	4	0
COZAD 7.2 E	40.8658, -99.8494	2474.081	19.318	159.591	11.776	10	0
LEXINGTON 1.1 E	40.78, -99.72	2395.013	10.743	80.523	5.699	4	0
ATLANTA 2 WNW	40.3794, -99.4992	2350.066	24.474	35.576	11.884	7001	0
BERTRAND	40.5283, -99.6353	2520.013	15.301	205.523	10.03	1638	0
CANADAY STEAM PLT	40.6944, -99.7008	2361.877	9.623	47.387	4.786	21	0
ELWOOD 8 S	40.4767, -99.8861	2399.934	25.962	85.444	13.901	1	0



NAIP 2012 IMAGERY - DRY CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY

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WETLAND DELINEATION REPORT



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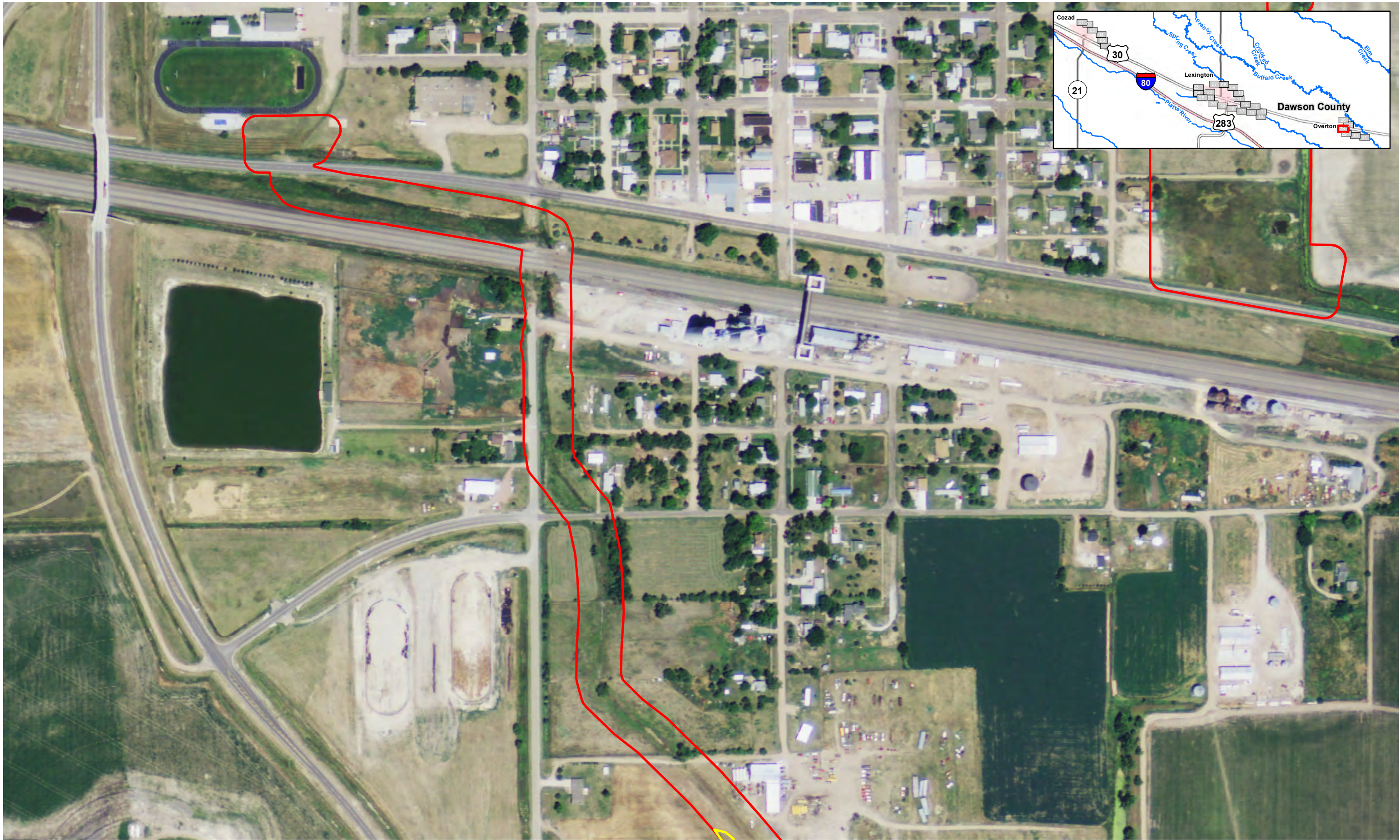


NAIP 2012 IMAGERY - DRY CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY



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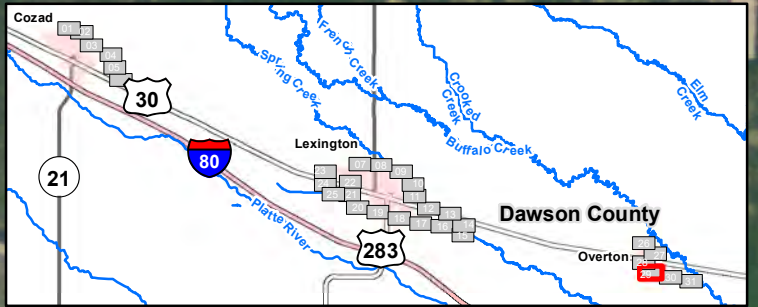
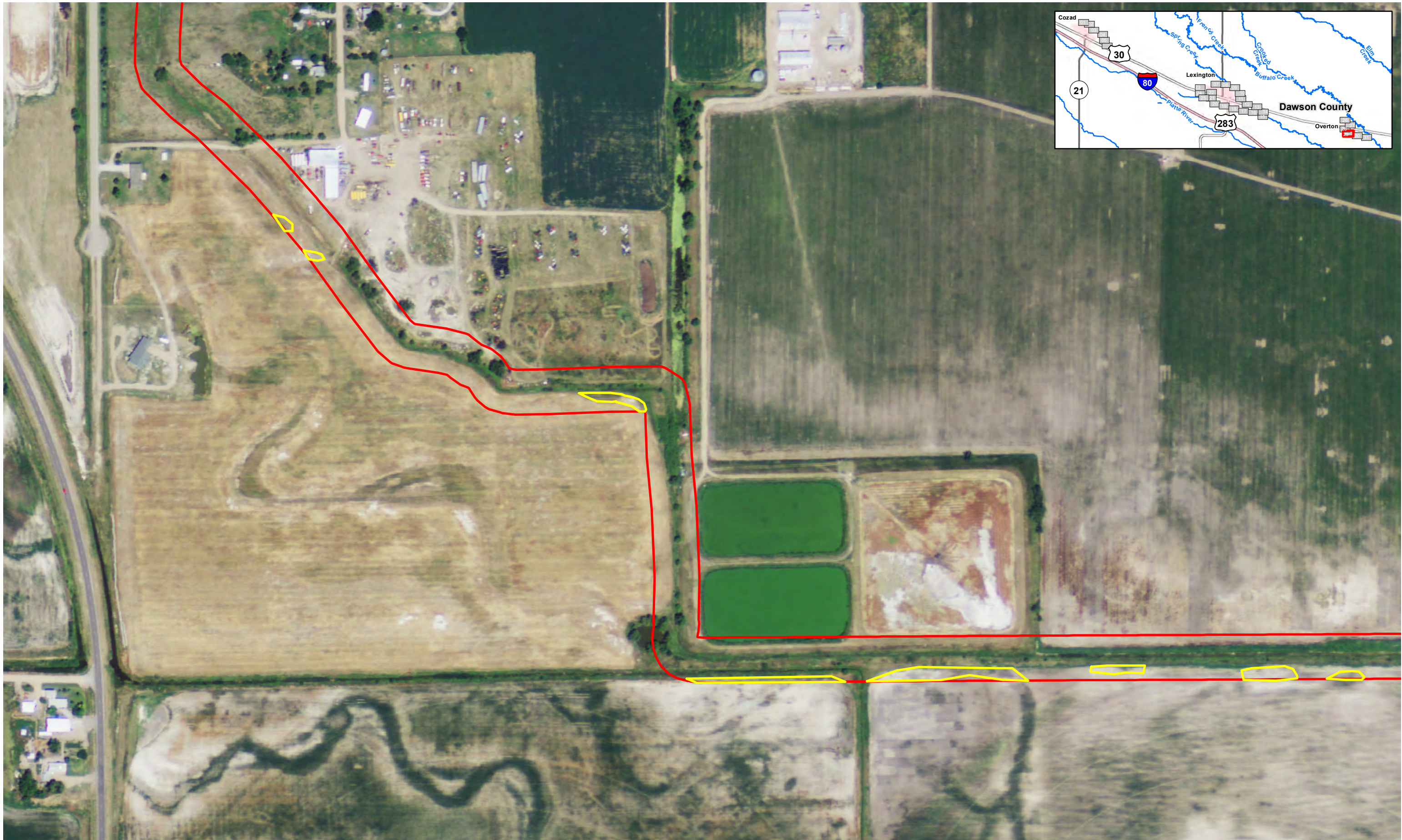


NAIP 2012 IMAGERY - DRY CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY



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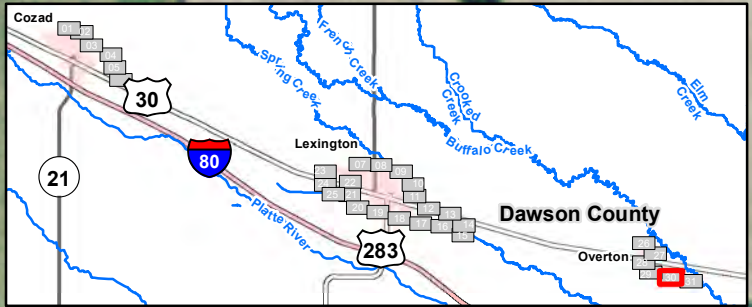
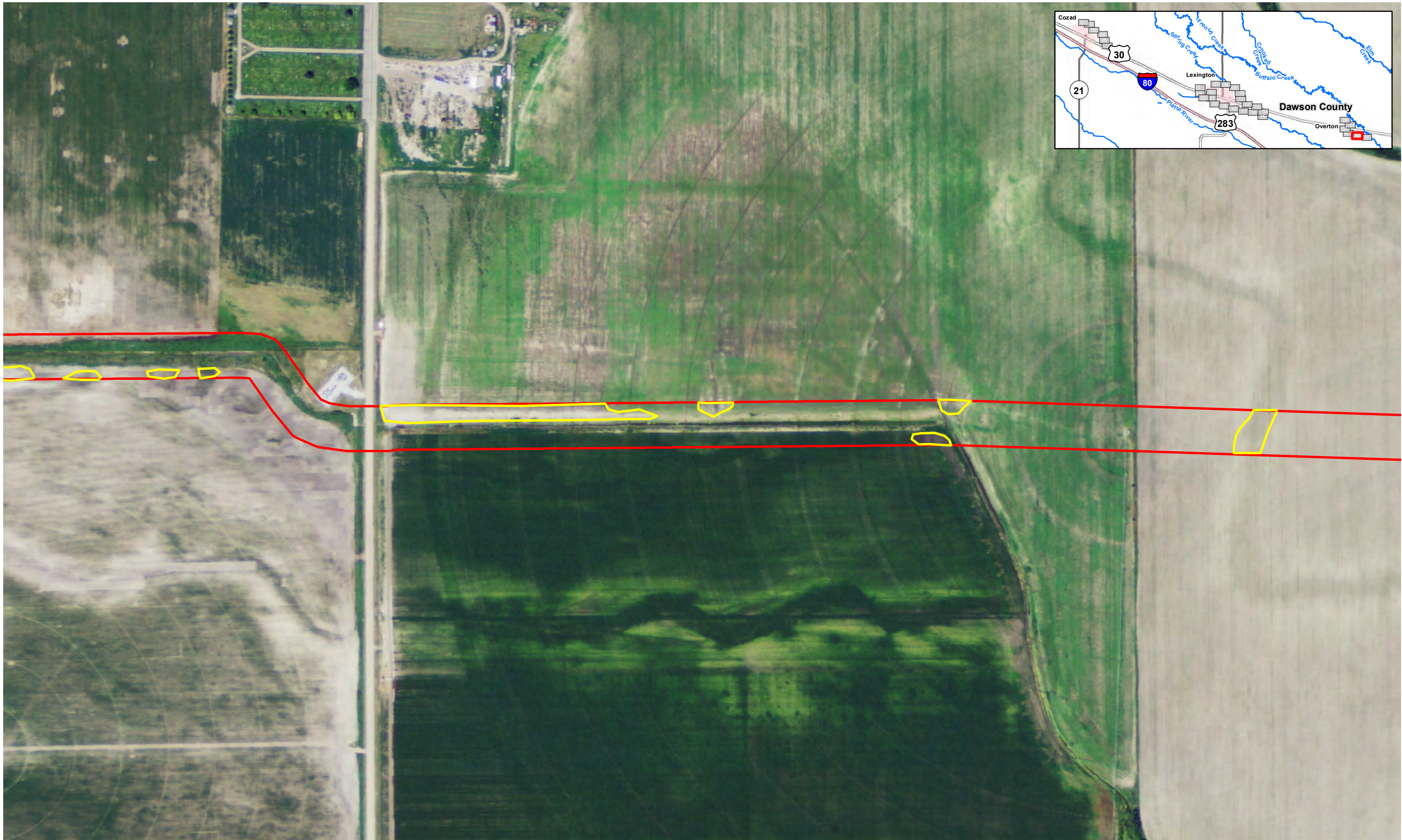


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NAIP 2012 IMAGERY - DRY CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY

FIGURE 4 PAGE 29 OF 31

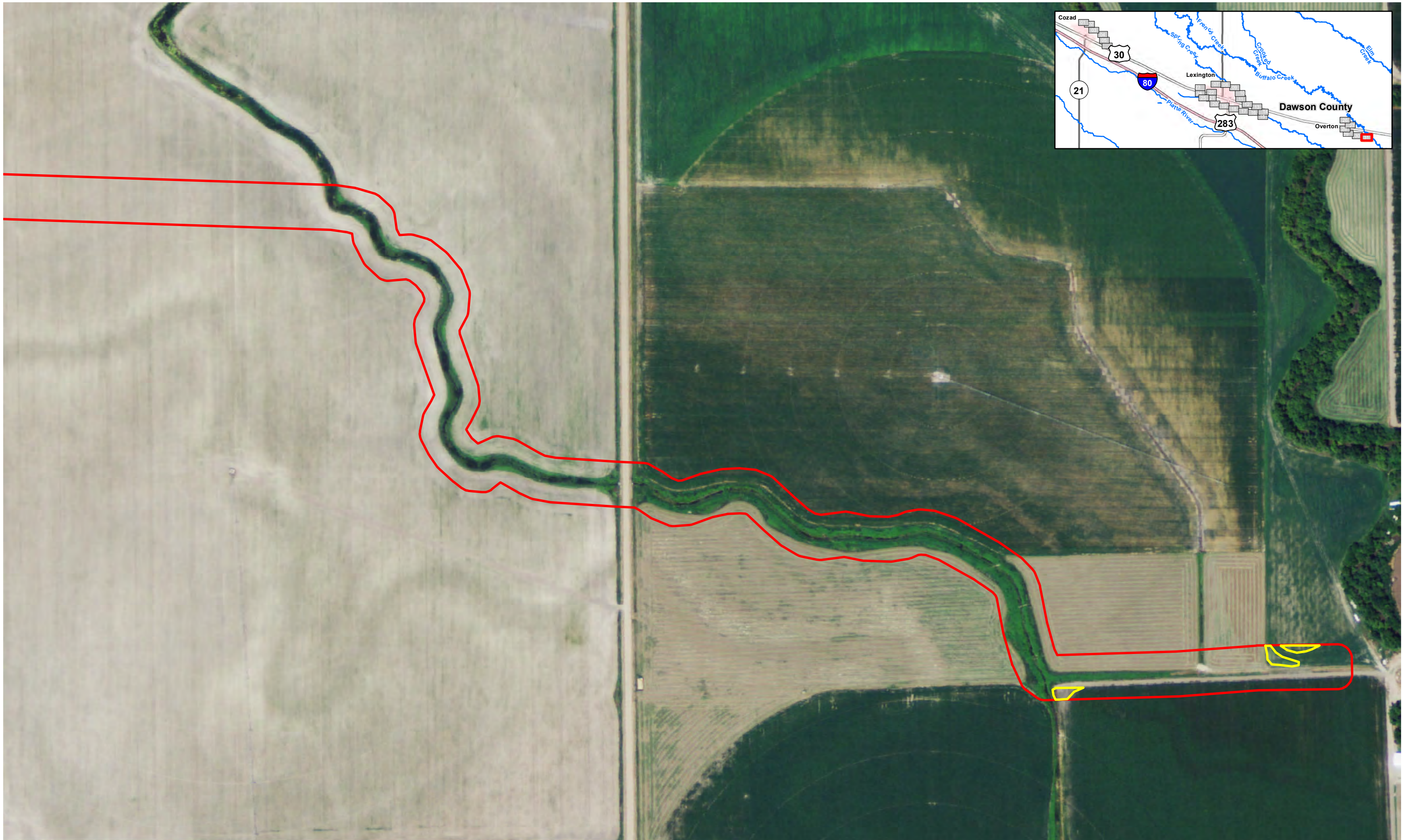


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NAIP 2012 IMAGERY - DRY CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY

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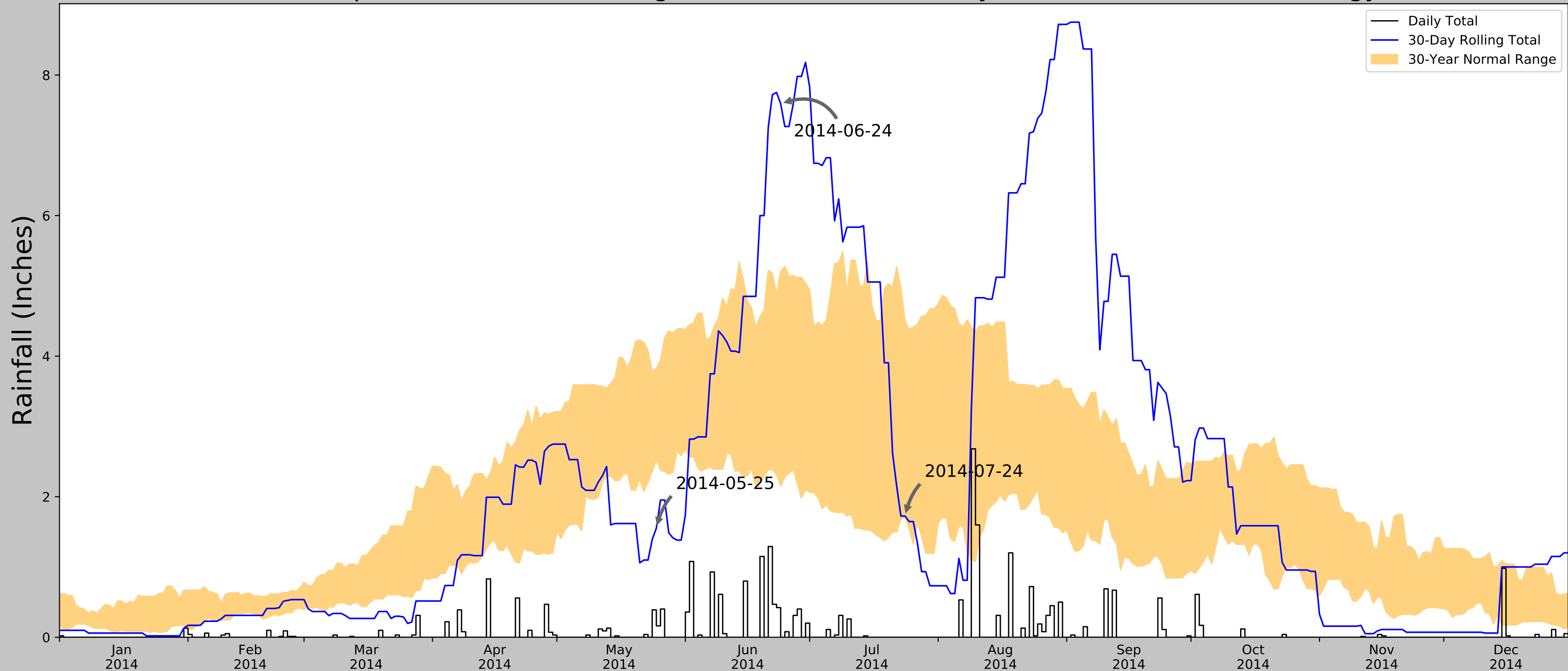
Study Area

NAIP 2012 IMAGERY - DRY CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY

FIGURE 4 PAGE 31 OF 31

WETLAND DELINEATION REPORT

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	40.7331, -99.5243
Observation Date	2014-07-24
Elevation (ft)	2314.49
Drought Index (PDSI)	Mild wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2014-07-24	1.723228	4.499213	1.72441	Normal	2	3	6
2014-06-24	2.151575	5.20315	7.590551	Wet	3	2	6
2014-05-25	2.525984	3.825984	1.551181	Dry	1	1	1
Result							Normal Conditions - 13



Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
MILLER 0.5 SE	40.9223, -99.3868	2384.843	14.919	70.353	7.763	3404	90
ELM CREEK 2.2 WSW	40.6995, -99.4062	2270.013	6.606	44.477	3.267	4	0
COZAD 7.2 E	40.8658, -99.8494	2474.081	19.318	159.591	11.776	10	0
LEXINGTON 1.1 E	40.78, -99.72	2395.013	10.743	80.523	5.699	4	0
ATLANTA 2 WNW	40.3794, -99.4992	2350.066	24.474	35.576	11.884	6274	0
BERTRAND	40.5283, -99.6353	2520.013	15.301	205.523	10.03	1635	0
CANADAY STEAM PLT	40.6944, -99.7008	2361.877	9.623	47.387	4.786	21	0
ELWOOD 8 S	40.4767, -99.8861	2399.934	25.962	85.444	13.901	1	0



NAIP 2014 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

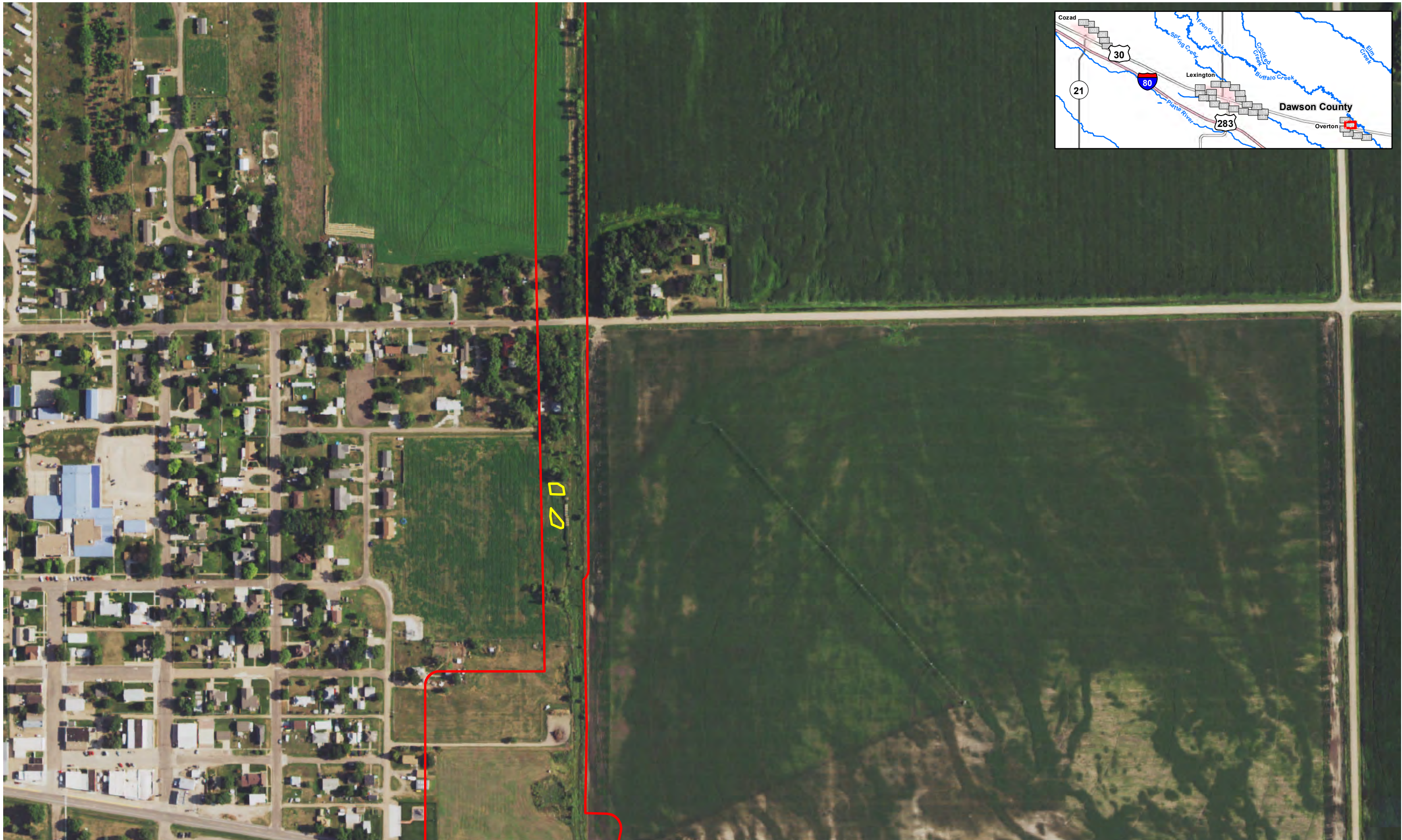
FIGURE 4 PAGE 26 OF 31

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 Wetland Signature

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NAIP 2014 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

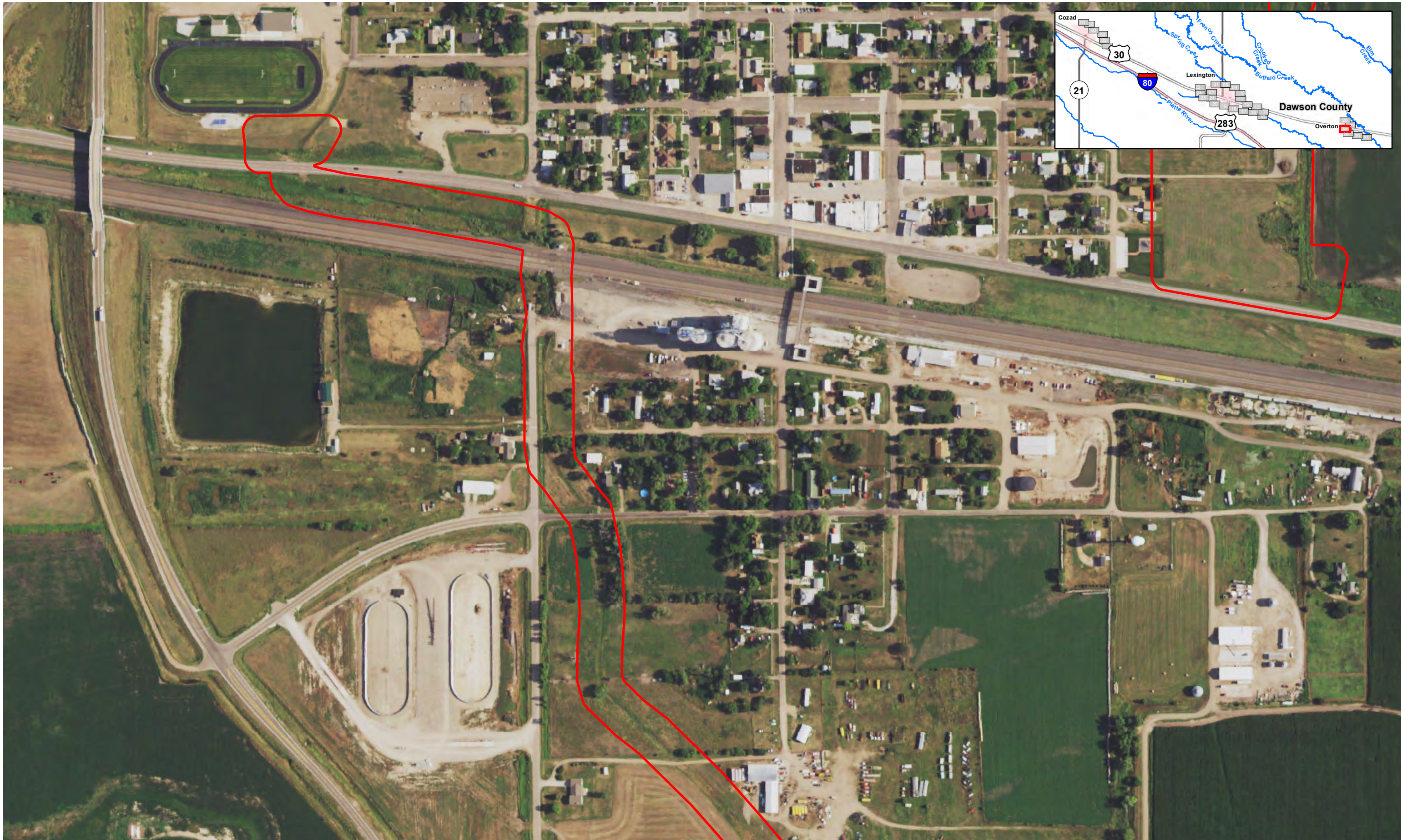
FIGURE 4 PAGE 27 OF 31

WETLAND DELINEATION REPORT



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NAIP 2014 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

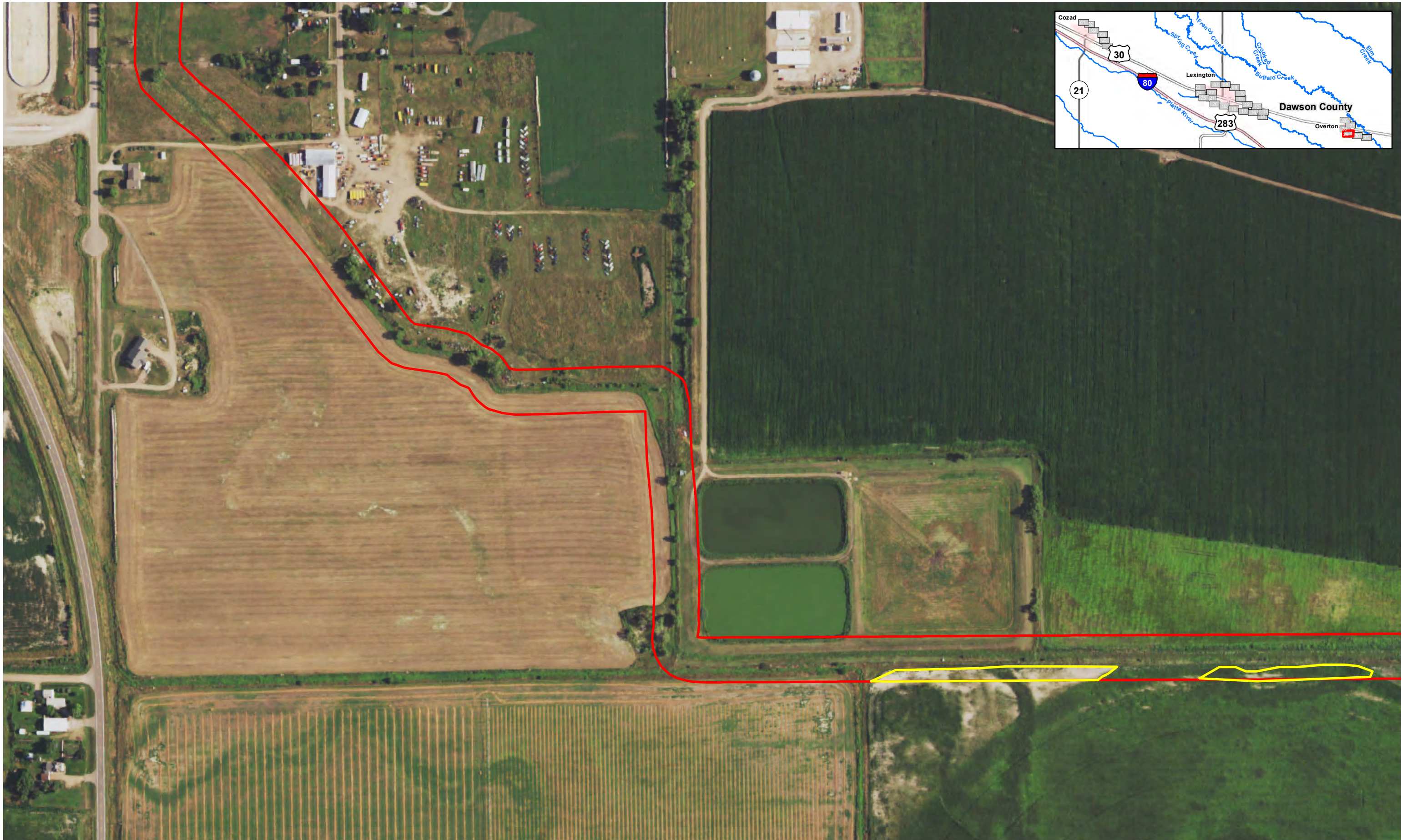
FIGURE 4 PAGE 28 OF 31

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NAIP 2014 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

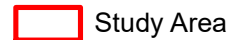
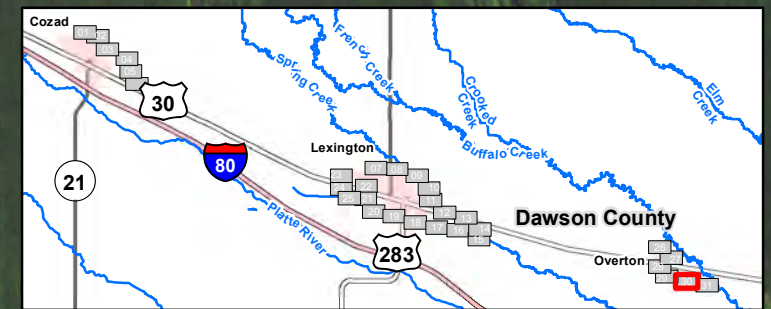
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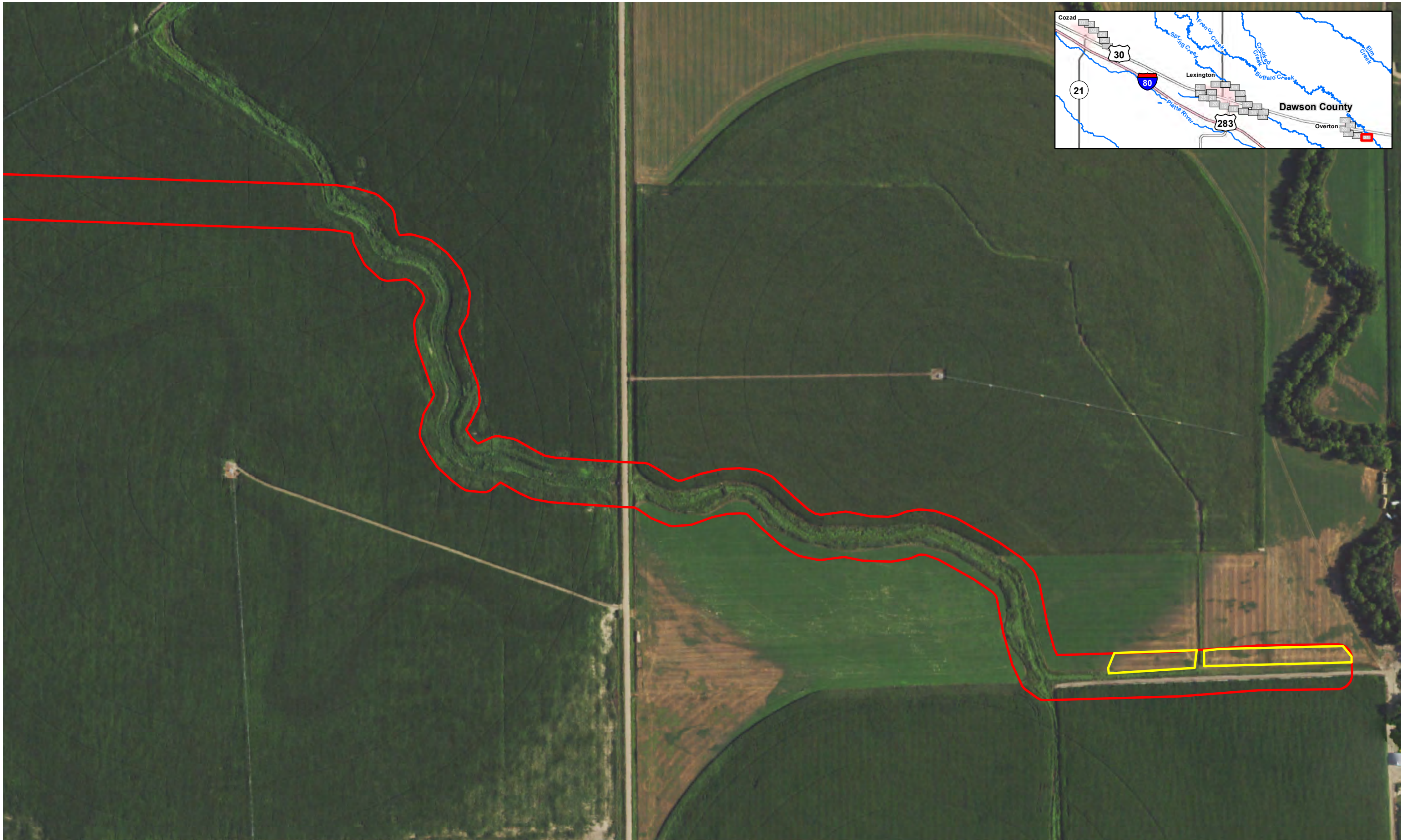
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NAIP 2014 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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NAIP 2014 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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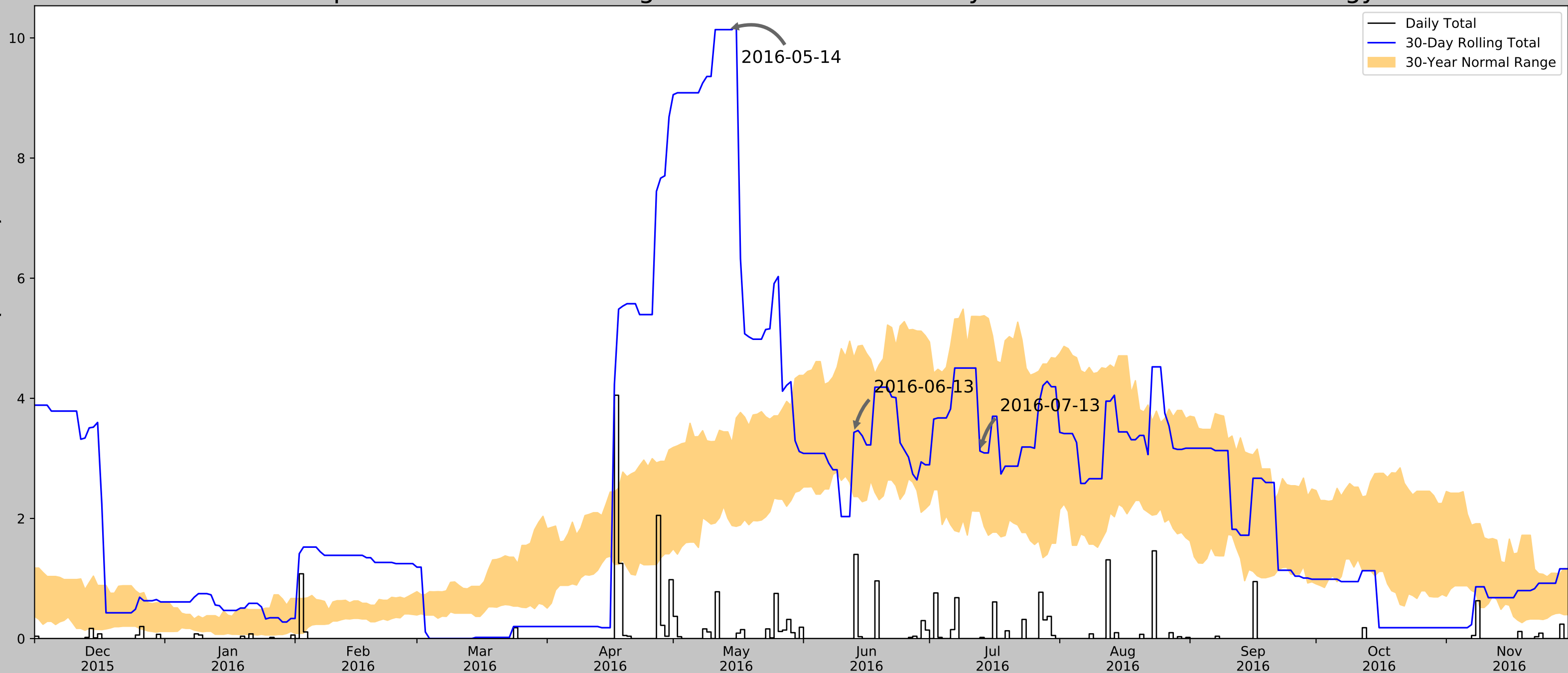


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Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network

Rainfall (Inches)



Coordinates	40.7331, -99.5243
Observation Date	2016-07-13
Elevation (ft)	2314.49
Drought Index (PDSI)	Incipient wetness
WebWIMP H ₂ O Balance	Dry Season

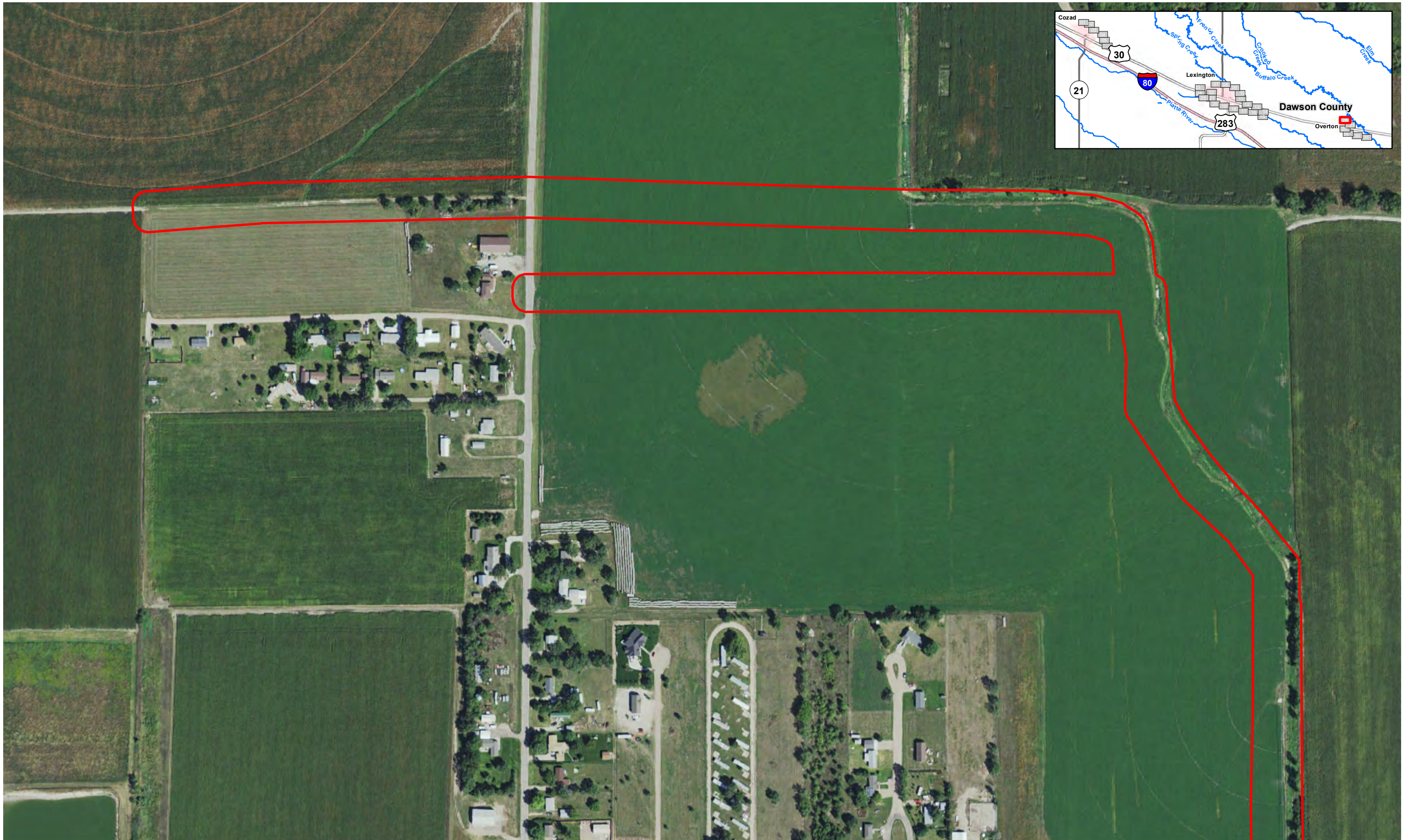
30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2016-07-13	2.120473	5.36063	3.122047	Normal	2	3	6
2016-06-13	2.364173	4.676772	3.433071	Normal	2	2	4
2016-05-14	2.001181	3.441732	10.137796	Wet	3	1	3
Result							Normal Conditions - 13



Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
MILLER 0.5 SE	40.9223, -99.3868	2384.843	14.919	70.353	7.763	4132	64
ELM CREEK 2.2 WSW	40.6995, -99.4062	2270.013	6.606	44.477	3.267	4	0
KEARNEY 5.0 WNW	40.7412, -99.1602	2279.856	19.07	34.634	9.242	0	3
RIVERDALE 0.2 WNW	40.7853, -99.1653	2279.856	19.131	34.634	9.272	0	23
COZAD 7.2 E	40.8658, -99.8494	2474.081	19.318	159.591	11.776	12	0
LEXINGTON 1.1 E	40.78, -99.72	2395.013	10.743	80.523	5.699	4	0
ATLANTA 2 WNW	40.3794, -99.4992	2350.066	24.474	35.576	11.884	5543	0
BERTRAND	40.5283, -99.6353	2520.013	15.301	205.523	10.03	1635	0
CANADAY STEAM PLT	40.6944, -99.7008	2361.877	9.623	47.387	4.786	21	0
ELWOOD 8 S	40.4767, -99.8861	2399.934	25.962	85.444	13.901	1	0



NAIP 2016 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

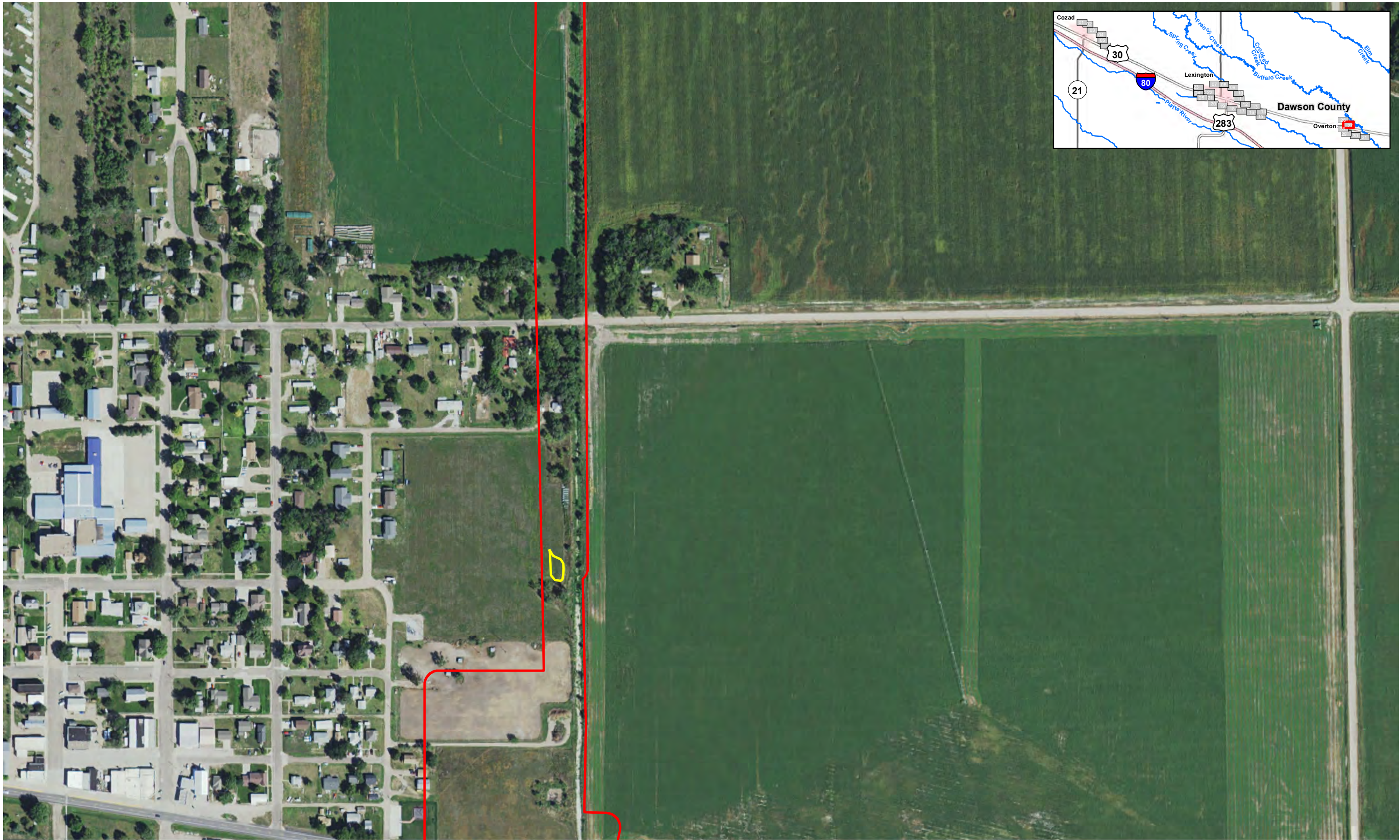
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WETLAND DELINEATION REPORT



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NAIP 2016 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

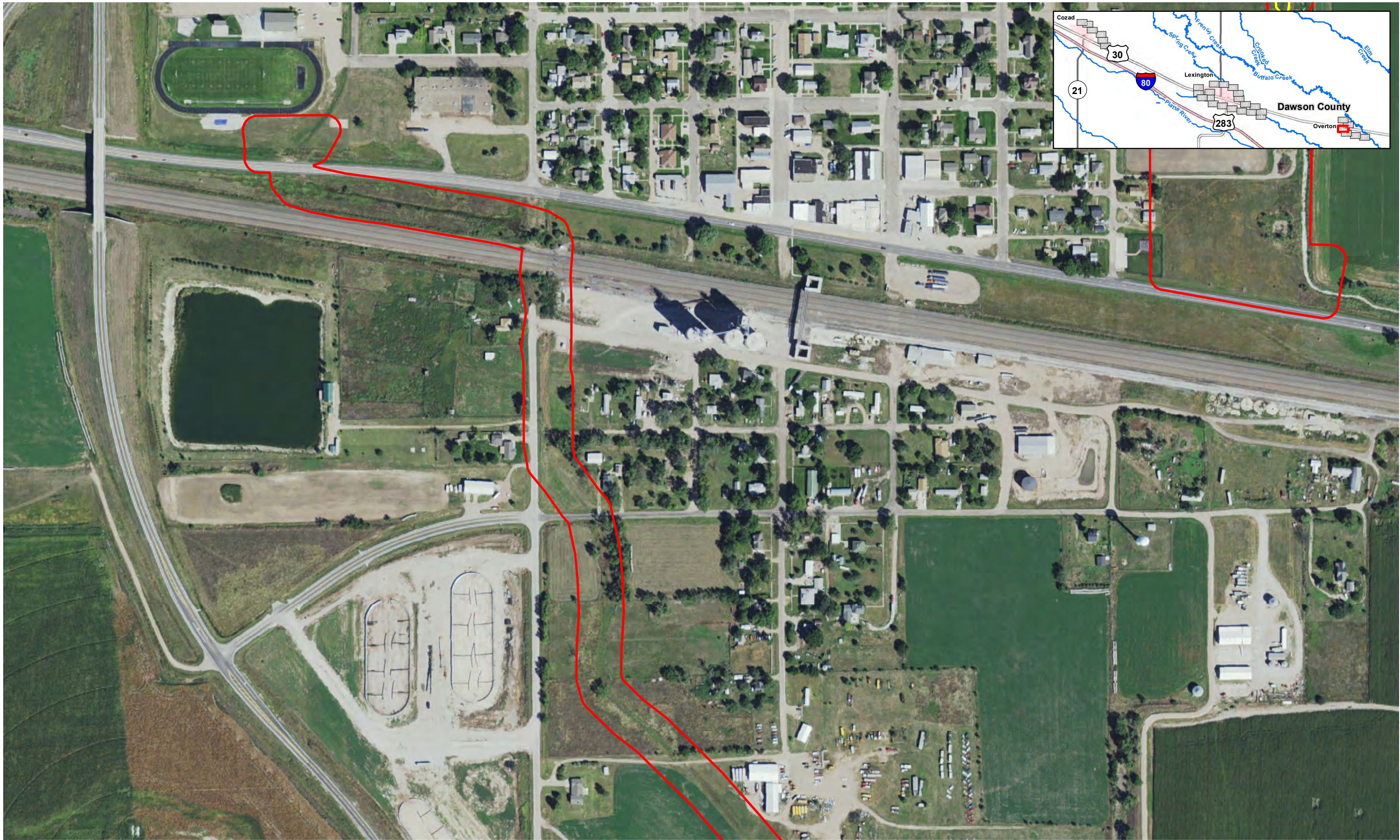
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NAIP 2016 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

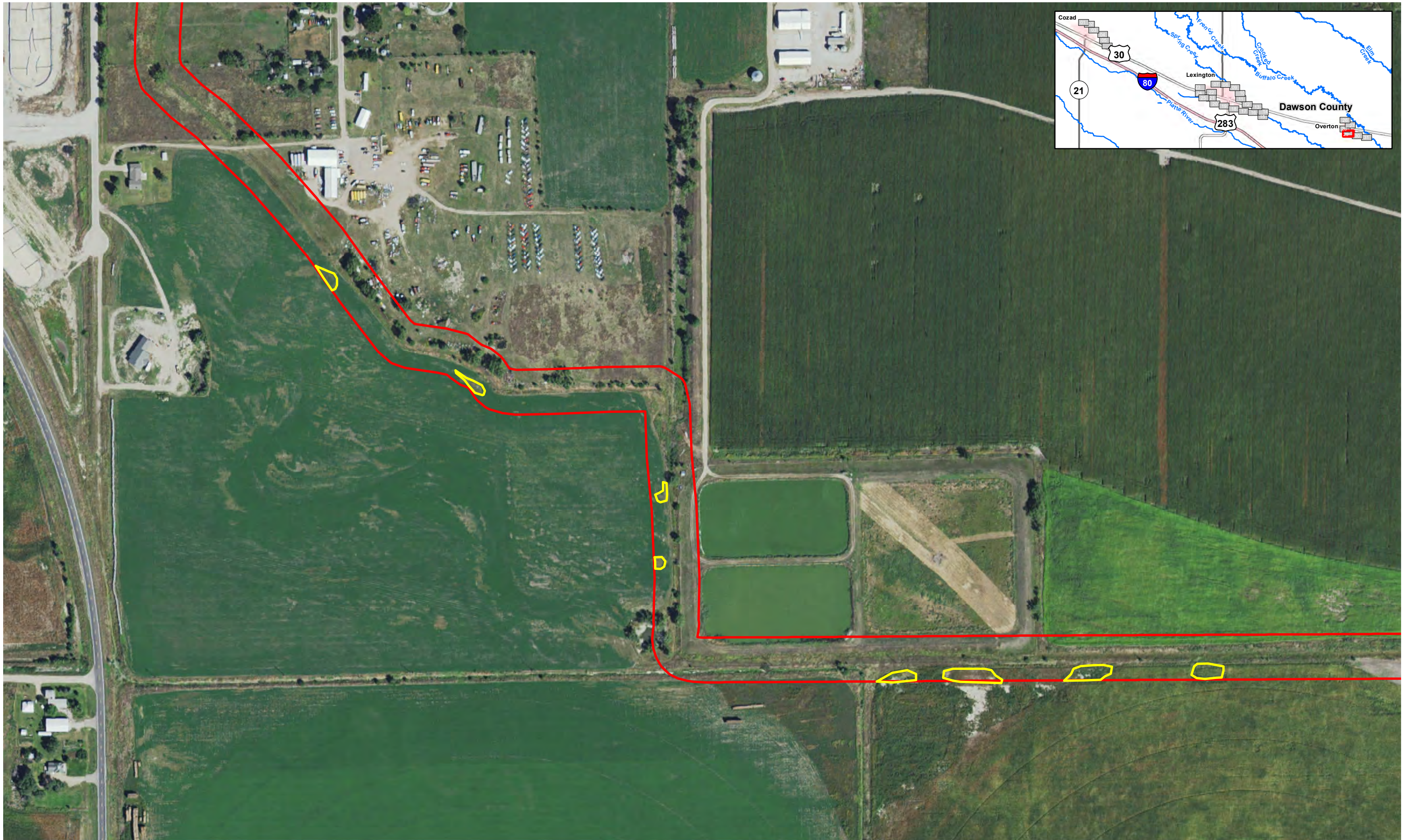
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NAIP 2016 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

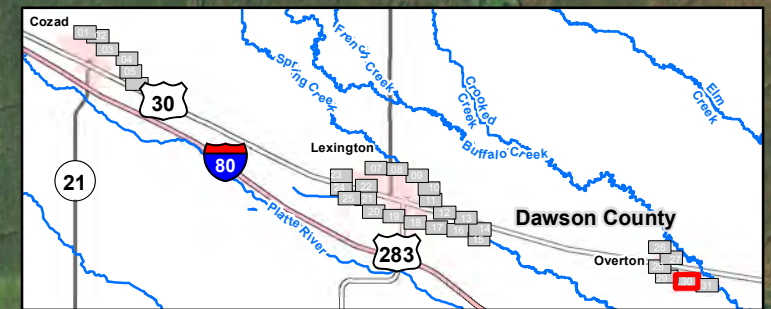
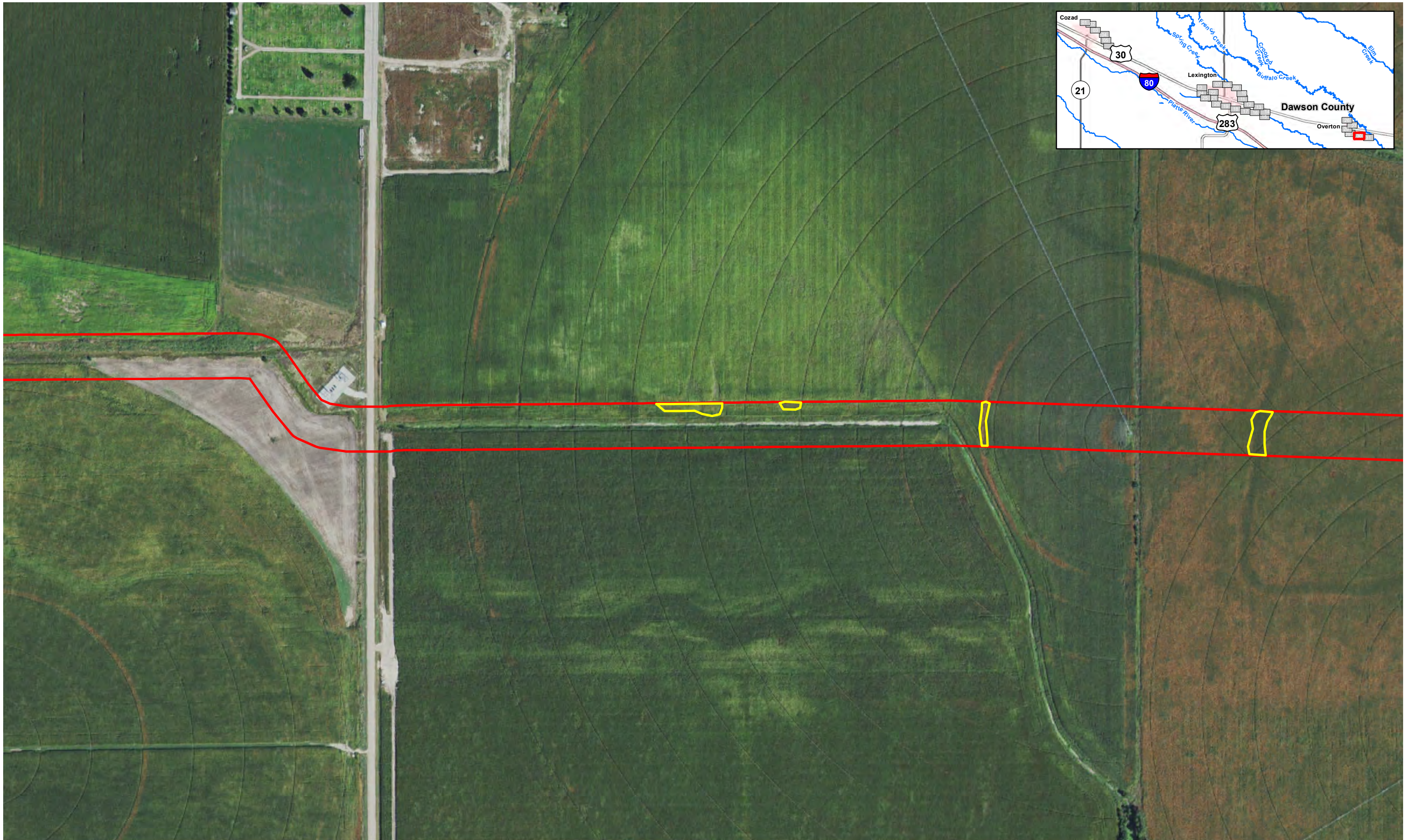
FIGURE 4 PAGE 29 OF 31

WETLAND DELINEATION REPORT



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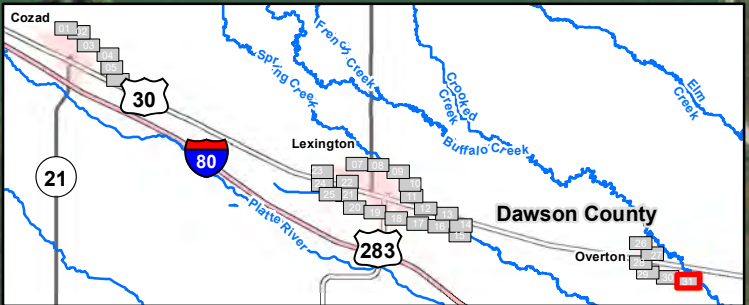
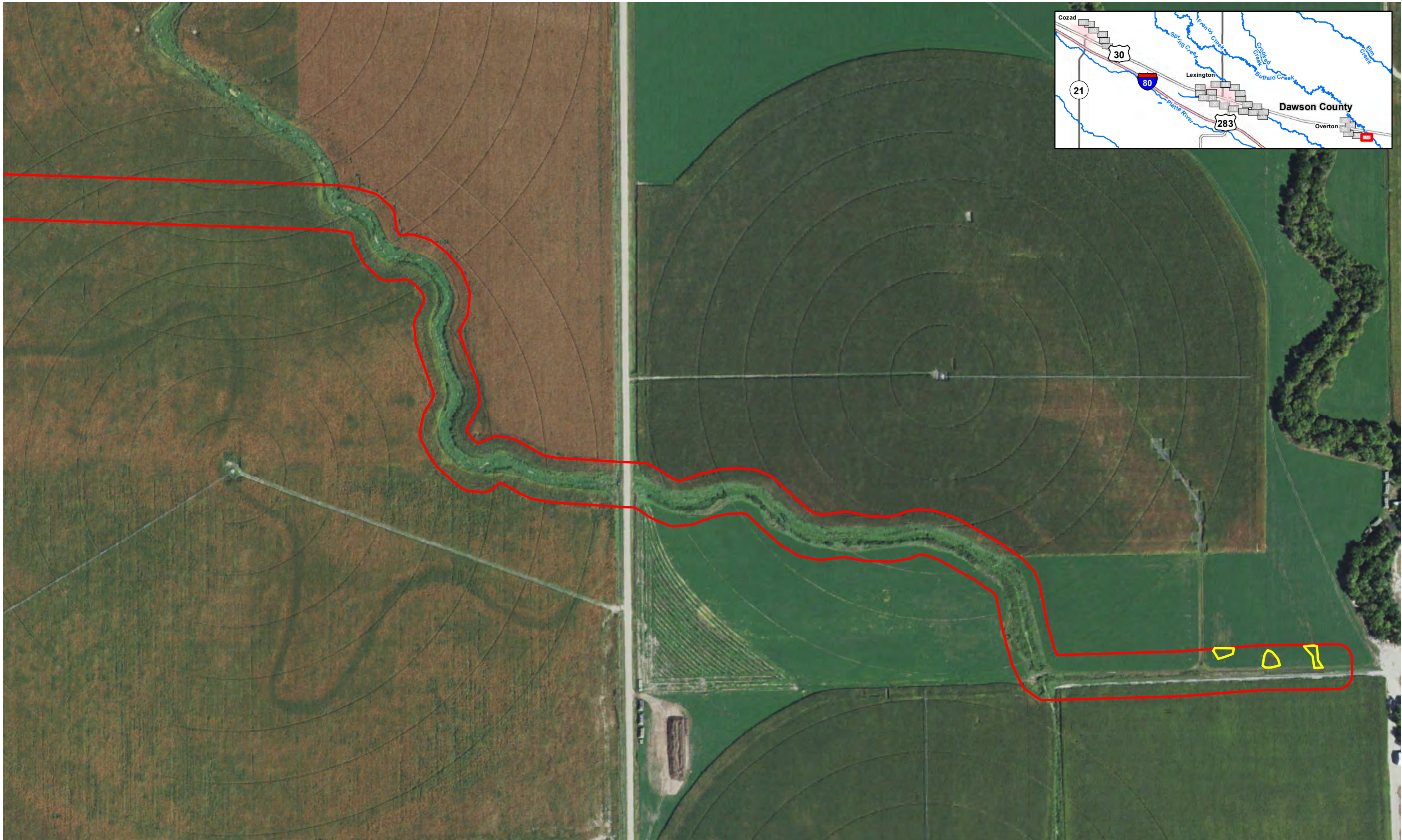
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NAIP 2016 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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NAIP 2016 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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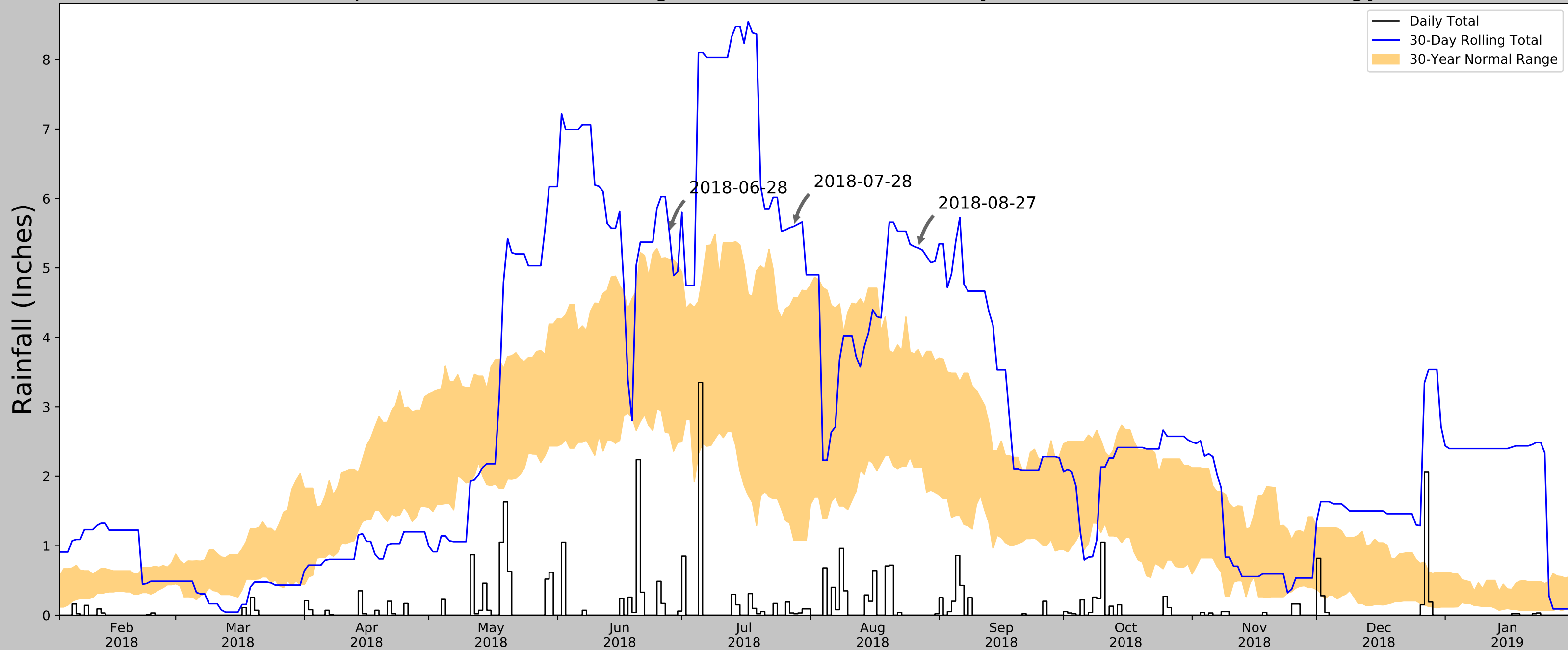
WETLAND DELINEATION REPORT



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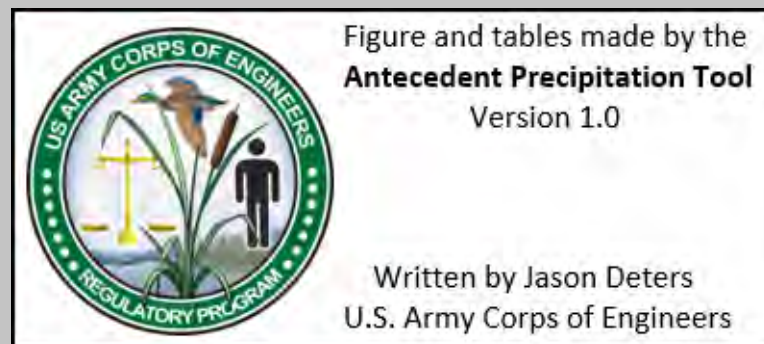
Study Area

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	40.7331, -99.5243
Observation Date	2018-08-27
Elevation (ft)	2314.49
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2018-08-27	2.122441	3.820866	5.287402	Wet	3	3	9
2018-07-28	1.079921	4.57126	5.598425	Wet	3	2	6
2018-06-28	2.622835	5.12126	5.507874	Wet	3	1	3
Result							Wetter than Normal - 18



Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
MILLER 0.5 SE	40.9223, -99.3868	2384.843	14.919	70.353	7.763	4657	89
ELM CREEK 2.2 WSW	40.6995, -99.4062	2270.013	6.606	44.477	3.267	4	0
KEARNEY 5.0 WNW	40.7412, -99.1602	2279.856	19.07	34.634	9.242	8	0
RIVERDALE 0.2 WNW	40.7853, -99.1653	2279.856	19.131	34.634	9.272	195	1
COZAD 7.2 E	40.8658, -99.8494	2474.081	19.318	159.591	11.776	14	0
LEXINGTON 1.1 E	40.78, -99.72	2395.013	10.743	80.523	5.699	4	0
ATLANTA 2 WNW	40.3794, -99.4992	2350.066	24.474	35.576	11.884	4829	0
BERTRAND	40.5283, -99.6353	2520.013	15.301	205.523	10.03	1619	0
CANADAY STEAM PLT	40.6944, -99.7008	2361.877	9.623	47.387	4.786	21	0
COZAD 2S	40.8592, -99.9789	2473.097	25.324	158.607	15.412	1	0
ELWOOD 8 S	40.4767, -99.8861	2399.934	25.962	85.444	13.901	1	0



NAIP 2018 IMAGERY - WET CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY

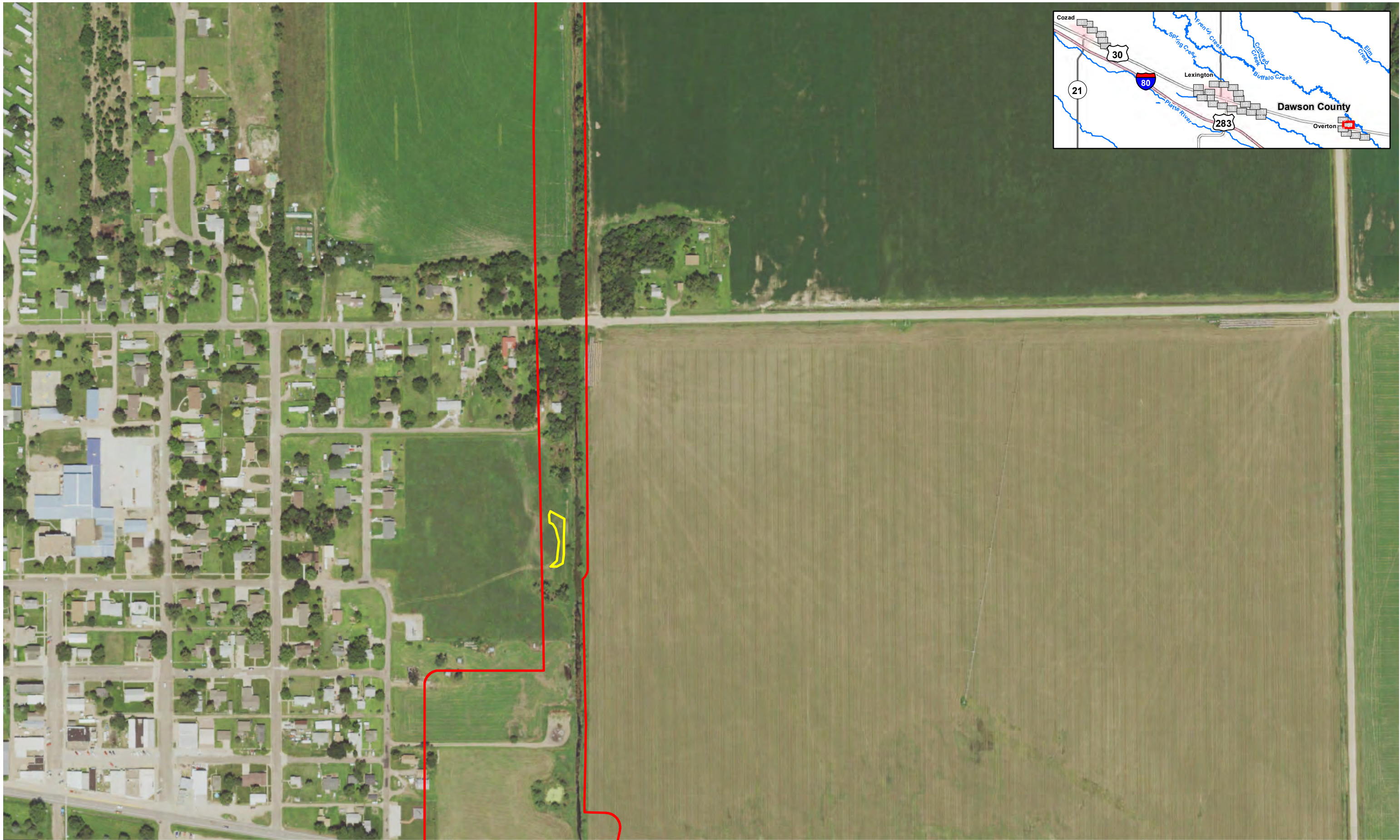
FIGURE 4 PAGE 26 OF 31

WETLAND DELINEATION REPORT



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NAIP 2018 IMAGERY - WET CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY

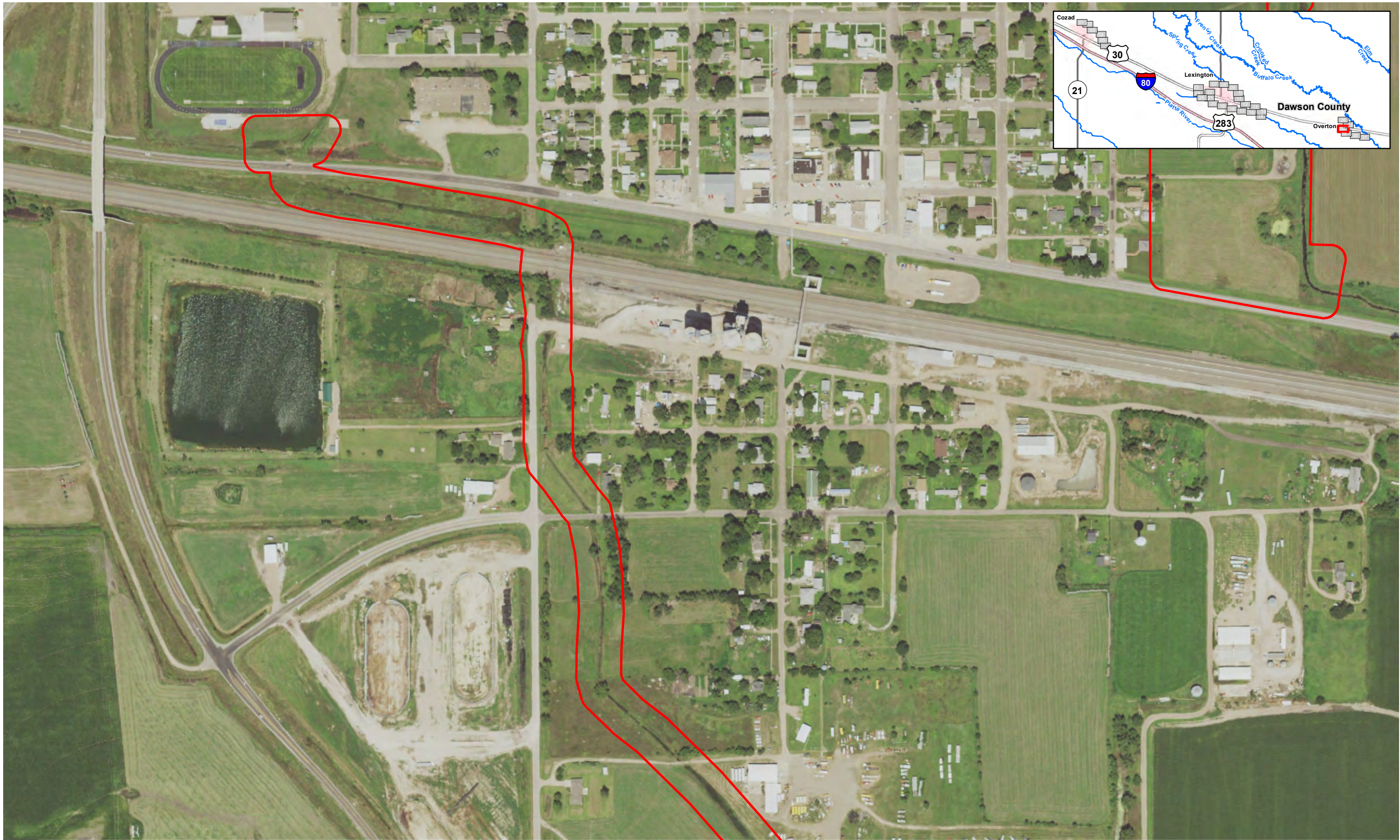
FIGURE 4 PAGE 27 OF 31

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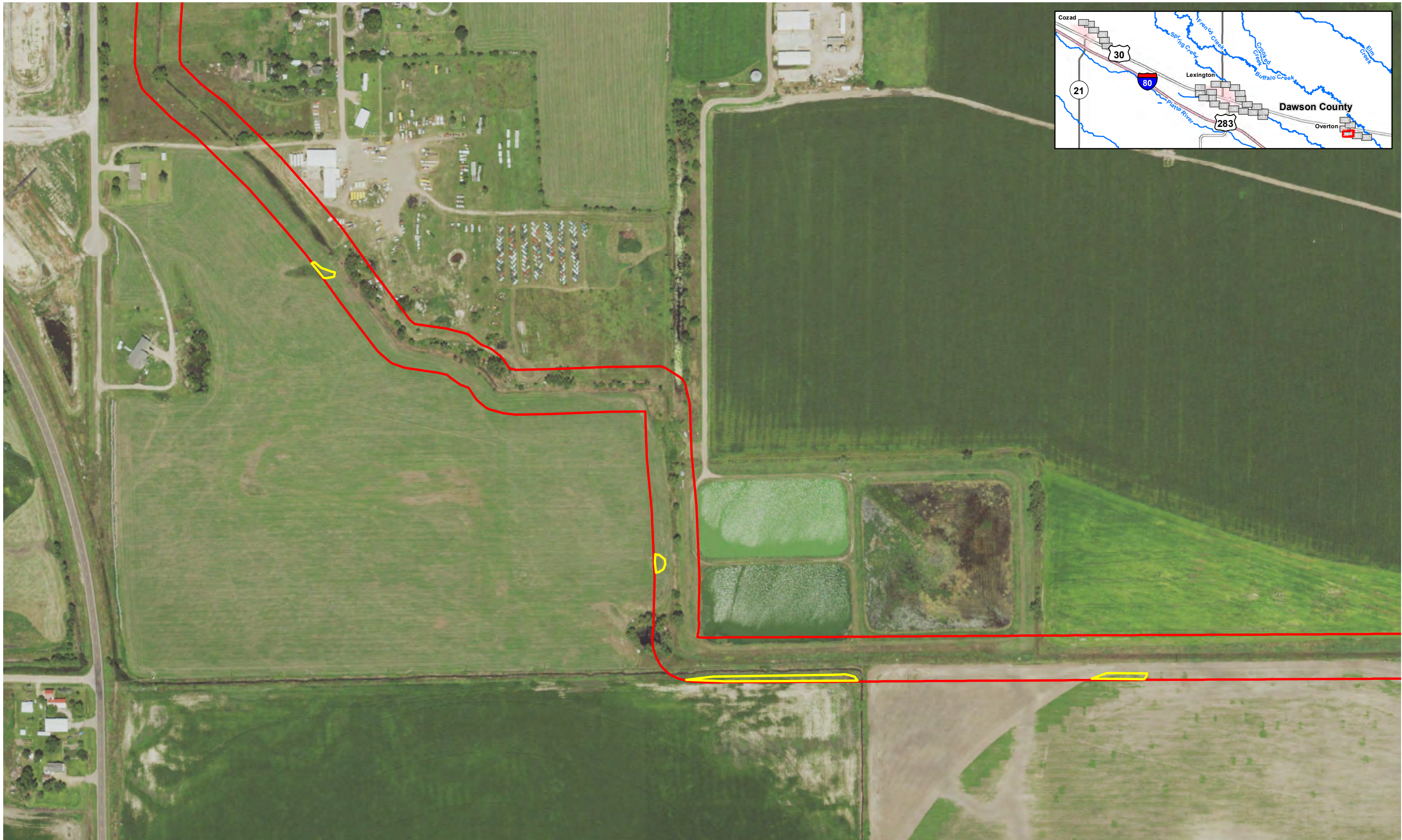
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NAIP 2018 IMAGERY - WET CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY

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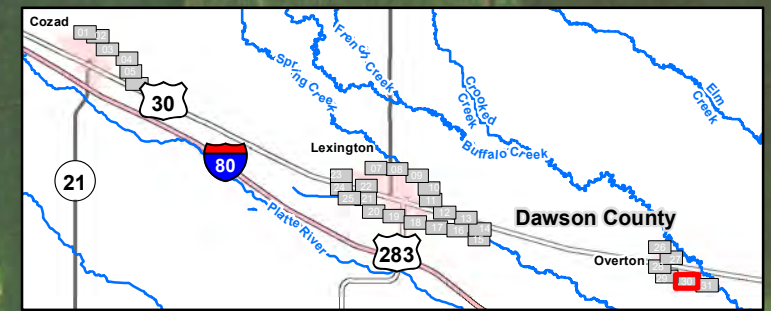
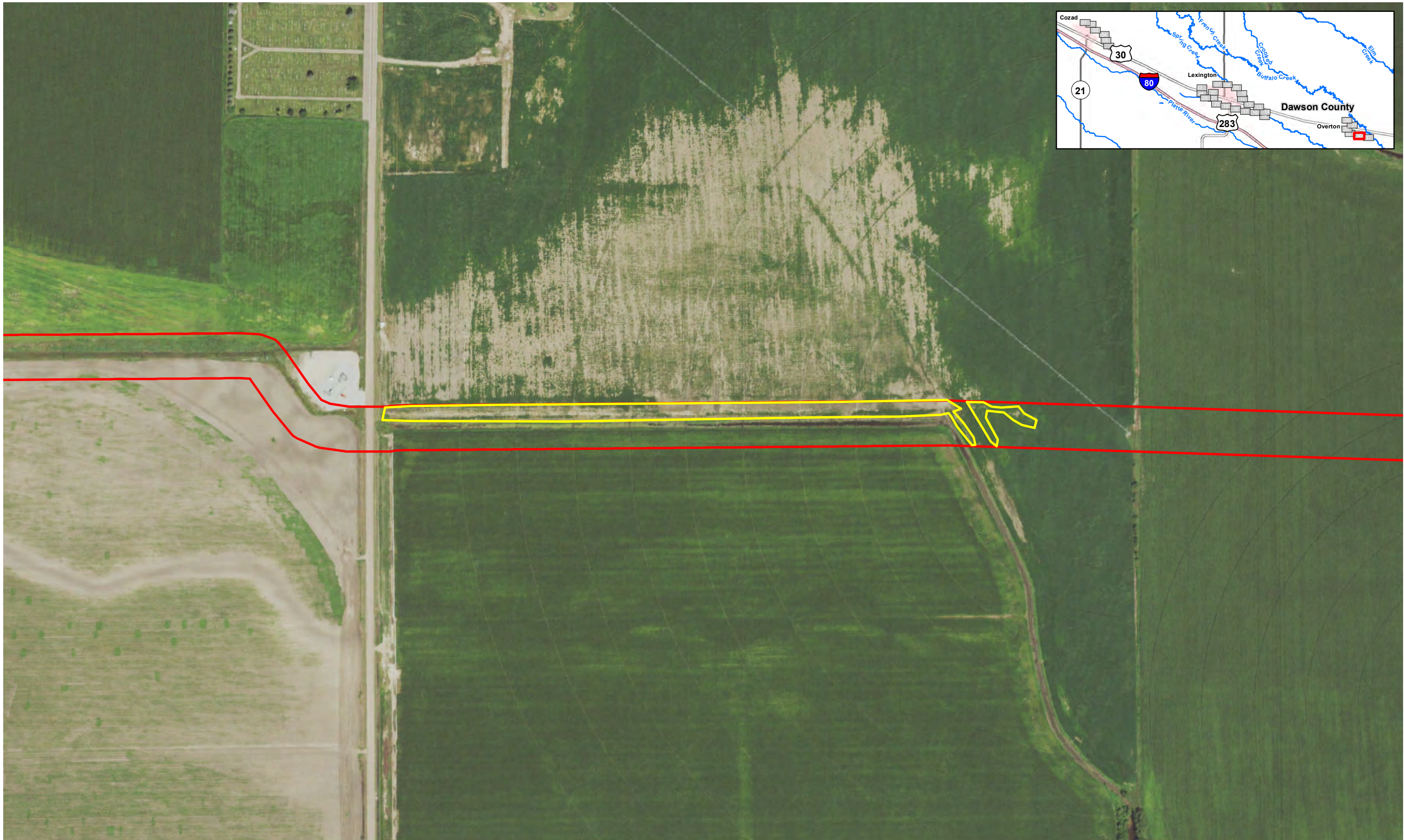
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NAIP 2018 IMAGERY - WET CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY

FIGURE 4 PAGE 29 OF 31

WETLAND DELINEATION REPORT



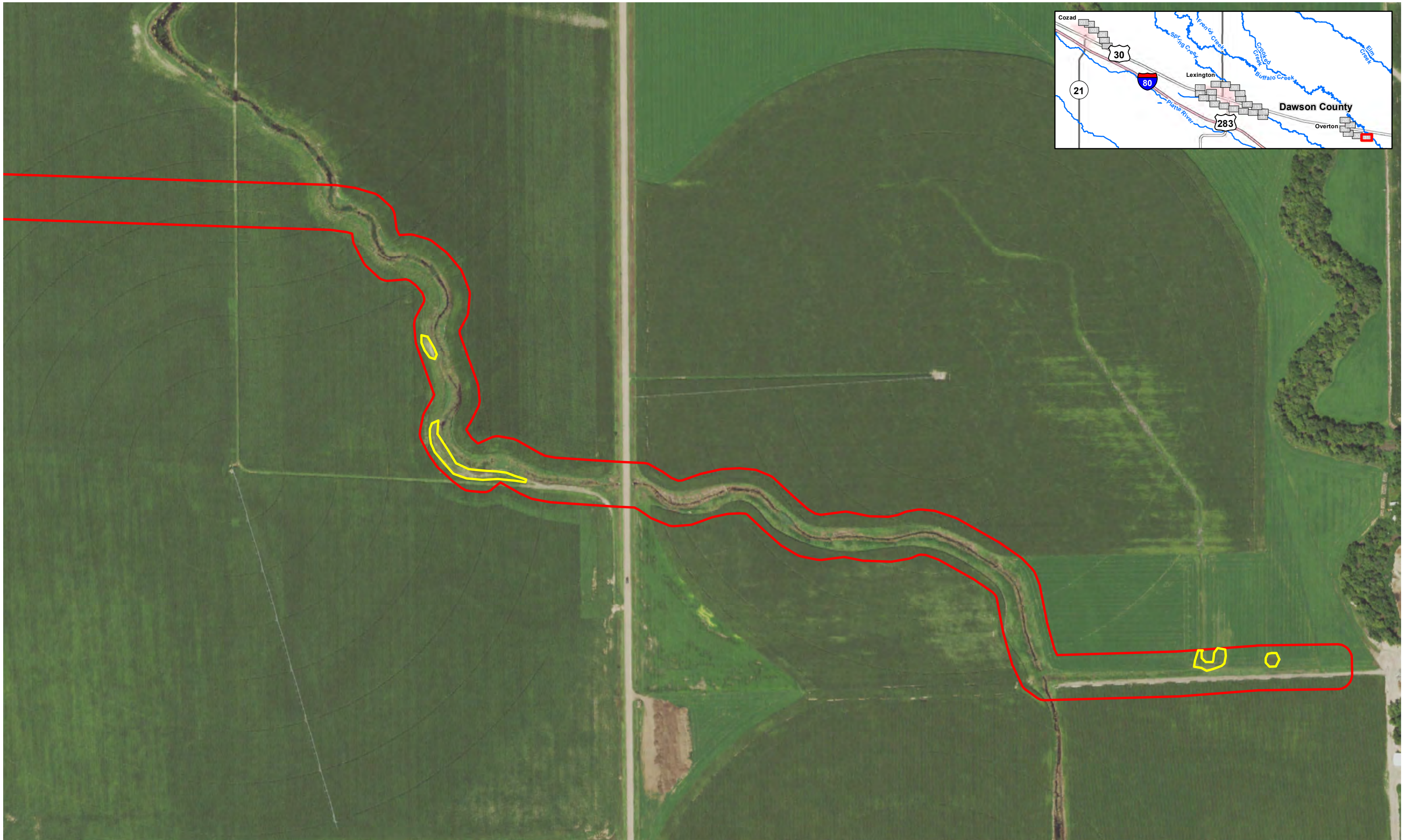
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NAIP 2018 IMAGERY - WET CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY

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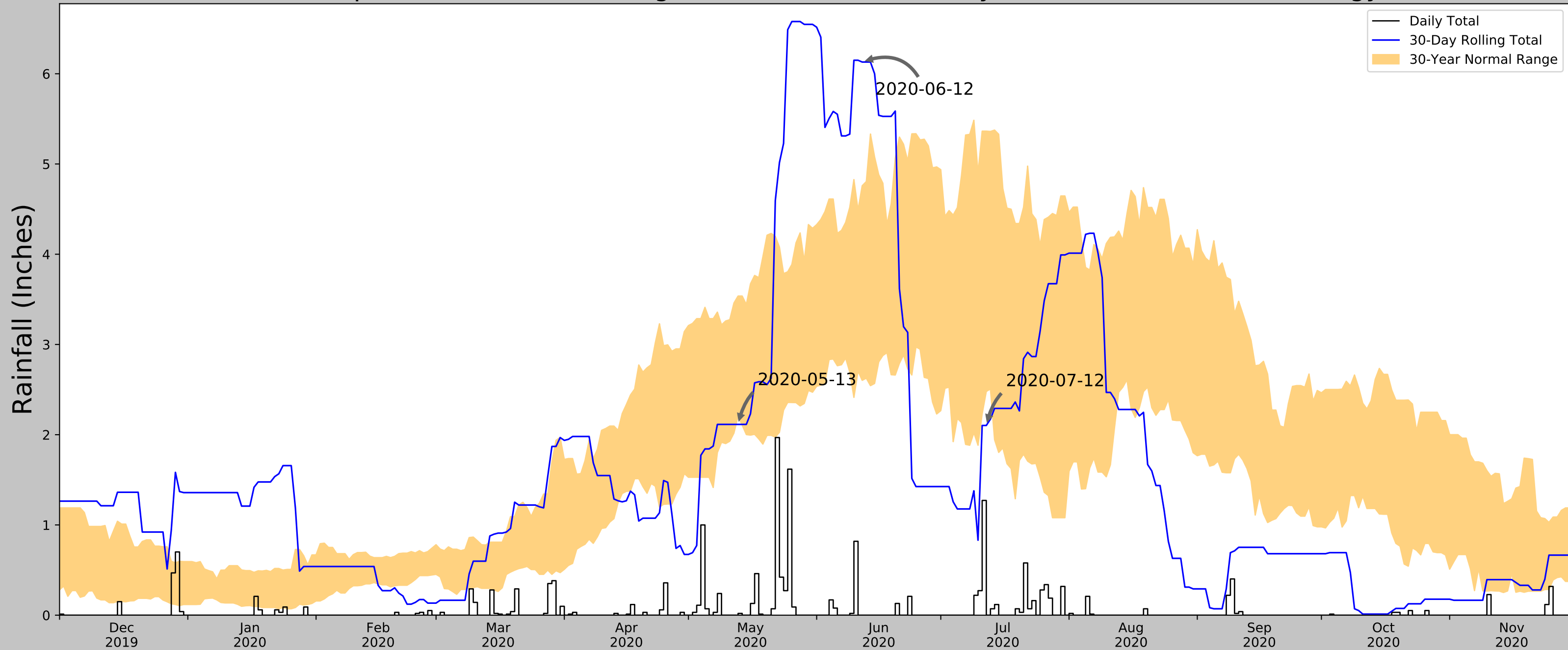
NAIP 2018 IMAGERY - WET CONDITIONS
SPRING / BUFFALO CREEK WATERSHED STUDY



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Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	40.7331, -99.5243
Observation Date	2020-07-12
Elevation (ft)	2314.49
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Dry Season

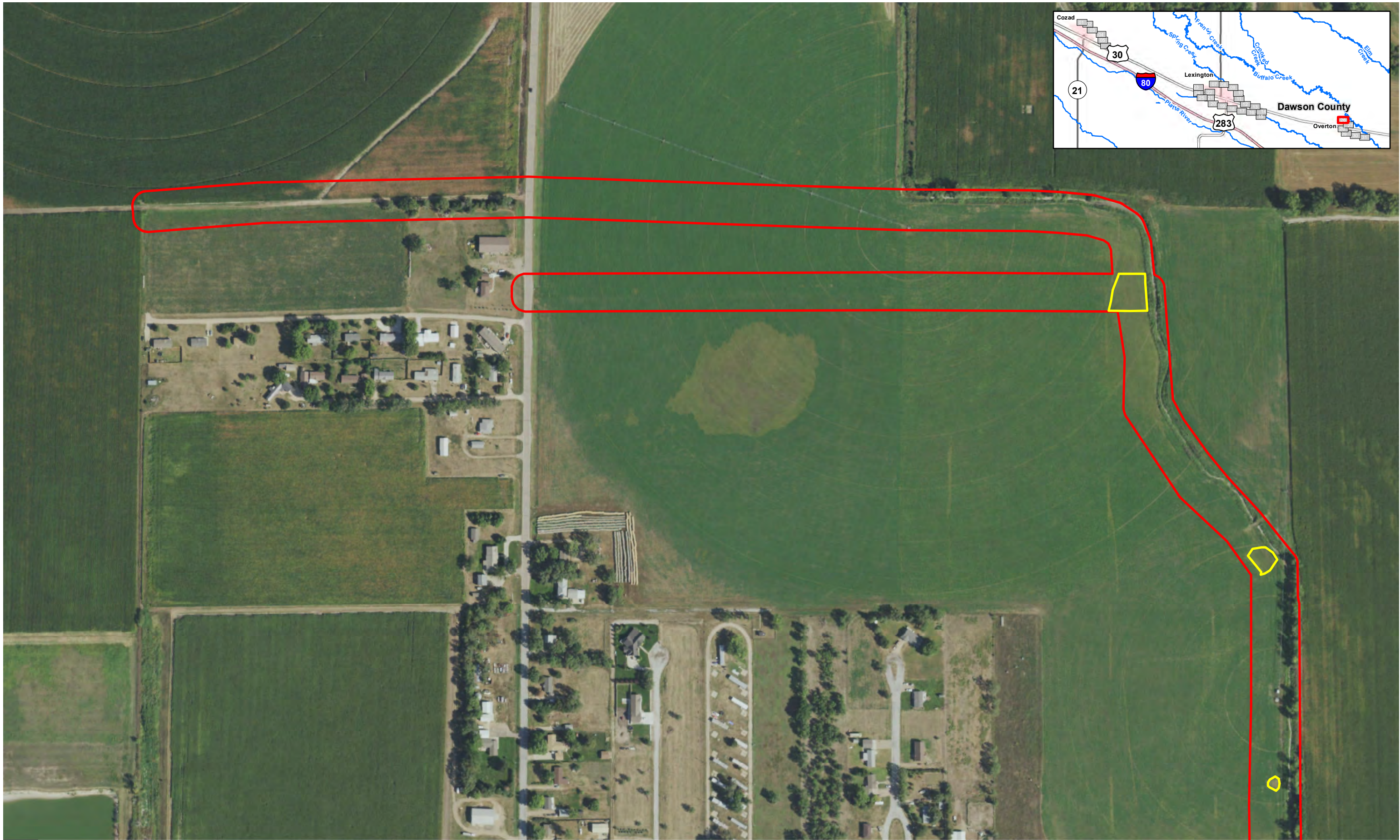
30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2020-07-12	2.479528	5.364173	2.102362	Dry	1	3	3
2020-06-12	2.602362	4.758662	6.129921	Wet	3	2	6
2020-05-13	2.204331	3.536614	2.114173	Dry	1	1	1
Result							Normal Conditions - 10



Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
MILLER 0.5 SE	40.9223, -99.3868	2384.843	14.919	70.353	7.763	5381	88
ELM CREEK 2.2 WSW	40.6995, -99.4062	2270.013	6.606	44.477	3.267	4	0
KEARNEY 5.0 WNW	40.7412, -99.1602	2279.856	19.07	34.634	9.242	8	0
RIVERDALE 0.2 WNW	40.7853, -99.1653	2279.856	19.131	34.634	9.272	201	0
COZAD 7.2 E	40.8658, -99.8494	2474.081	19.318	159.591	11.776	14	0
LEXINGTON 1.1 E	40.78, -99.72	2395.013	10.743	80.523	5.699	4	2
ATLANTA 2 WNW	40.3794, -99.4992	2350.066	24.474	35.576	11.884	4098	0
BERTRAND	40.5283, -99.6353	2520.013	15.301	205.523	10.03	1619	0
CANADAY STEAM PLT	40.6944, -99.7008	2361.877	9.623	47.387	4.786	21	0
COZAD 2S	40.8592, -99.9789	2473.097	25.324	158.607	15.412	1	0
ELWOOD 8 S	40.4767, -99.8861	2399.934	25.962	85.444	13.901	1	0



NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

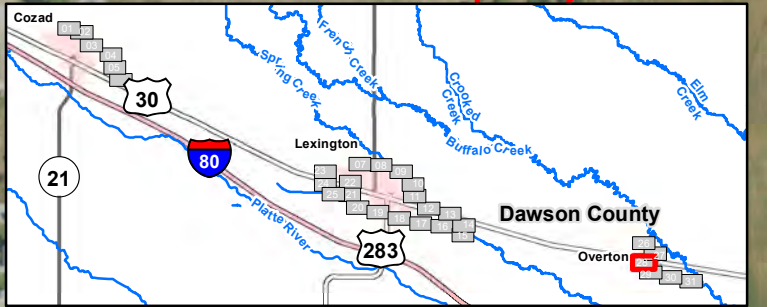
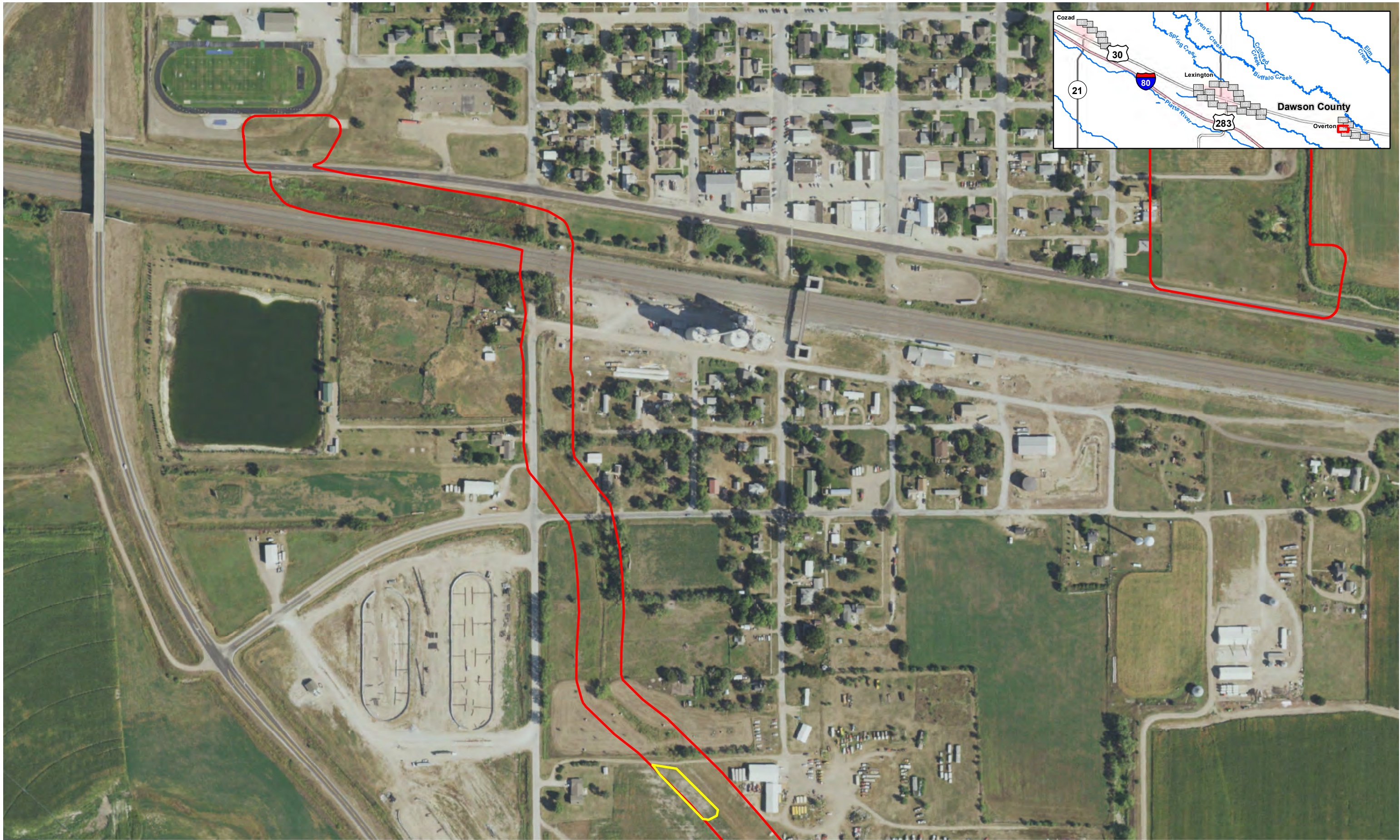
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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

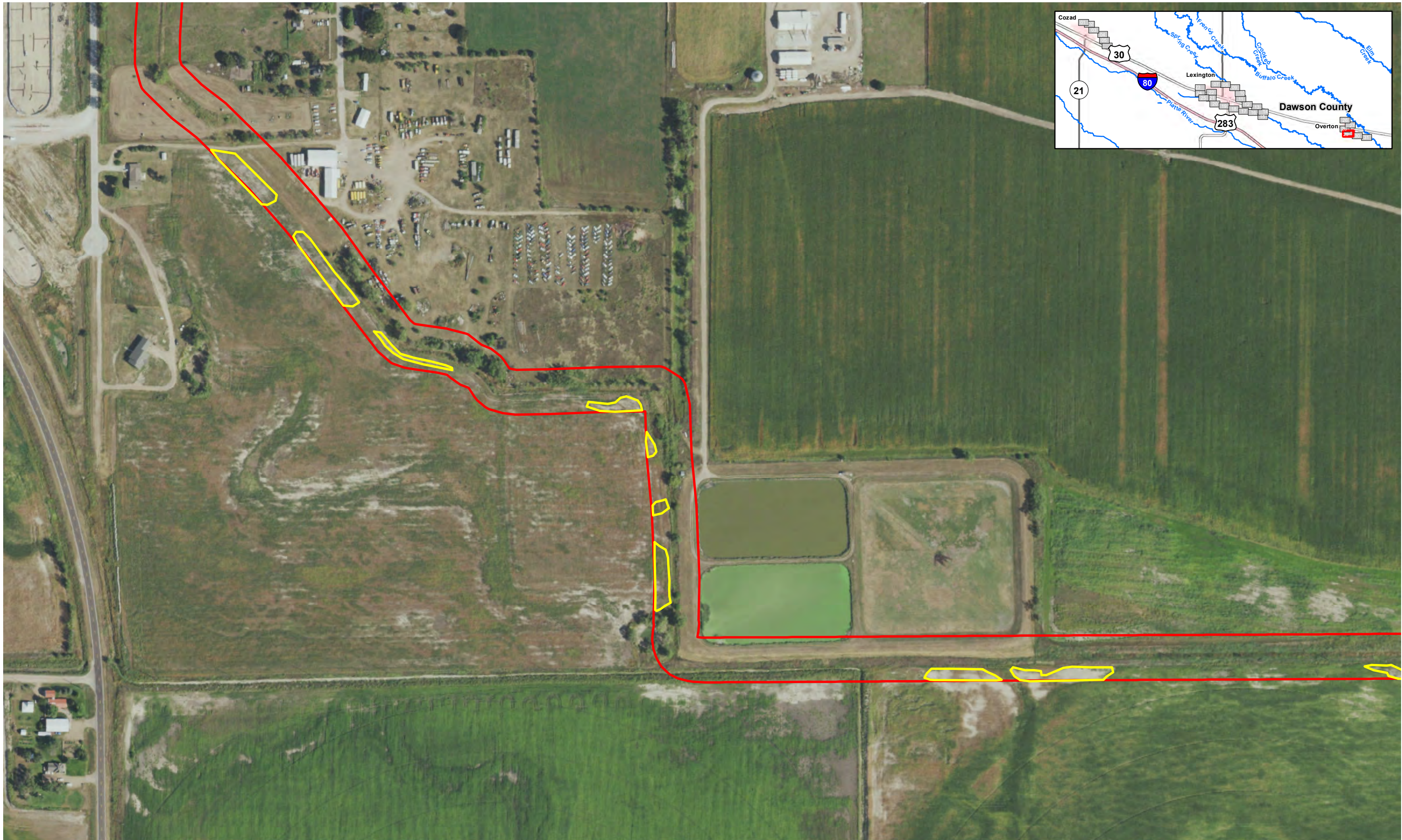
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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

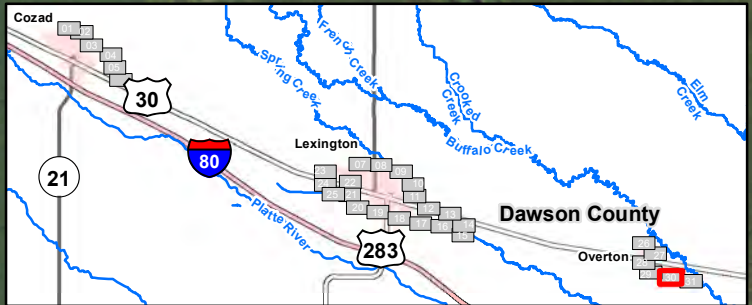
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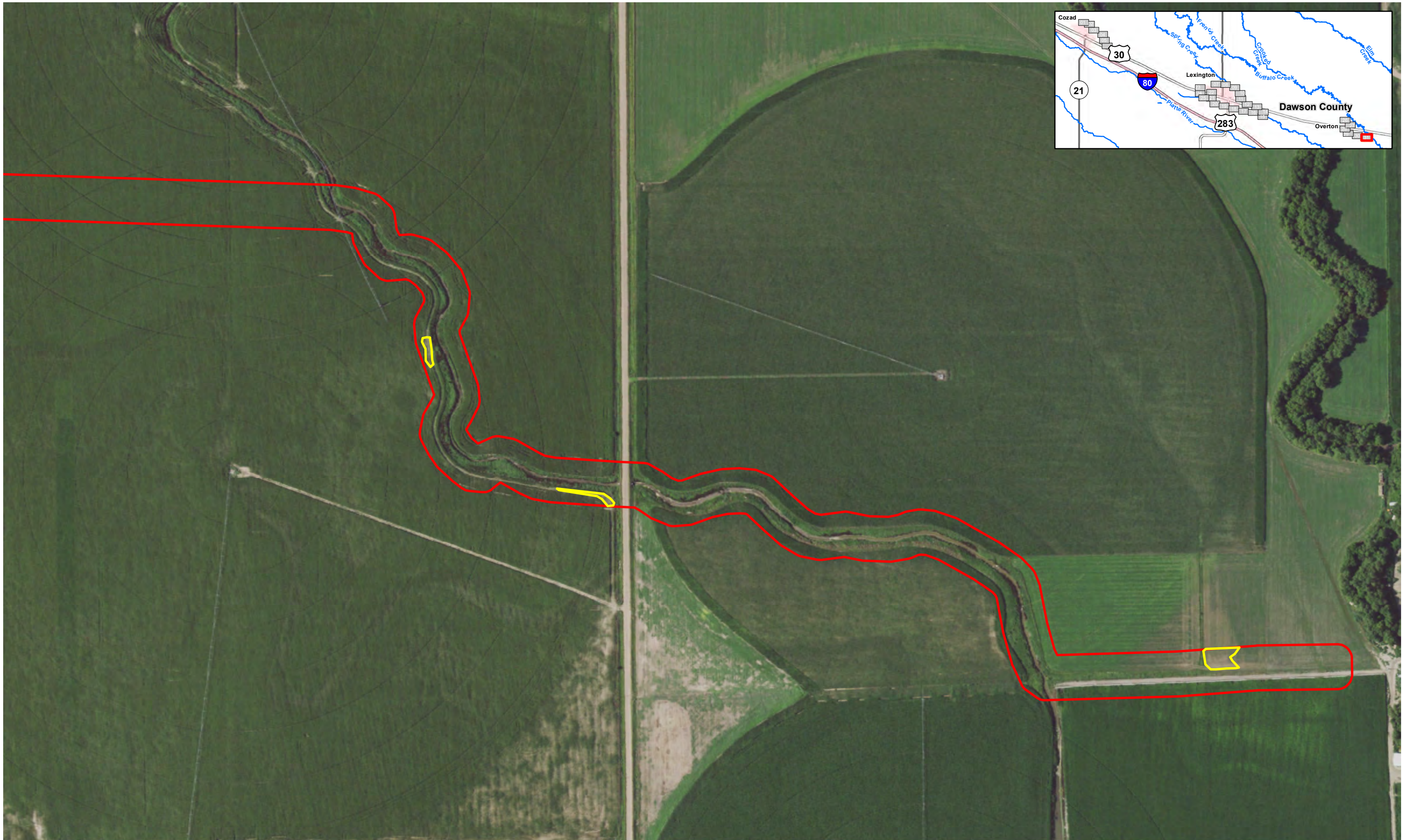
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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

FIGURE 4 PAGE 30 OF 31

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NAIP 2020 IMAGERY - NORMAL CONDITIONS

SPRING / BUFFALO CREEK WATERSHED STUDY

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