



Photo 59 – View looking west from the west side of 549th Avenue. Photo depicts PEM Wetland S within the roadside ditch.



Photo 60 – View looking south along the west side of 549th Avenue. Photo depicts an upland roadside ditch.



Photo 61 – View looking south along the east side of 549th Avenue. Photo depicts an upland roadside ditch.



Photo 62 – View looking east toward Sample Point 32. Photo depicts PEM Wetland T within the roadside ditch.



Photo 63 – View looking southeast within a property east of 549th Avenue. Photo depicts an upland area adjacent to an access road.



Photo 64 – View looking northeast within a property east of 549th Avenue. Photo depicts an upland area adjacent to an access road.



Photo 65 – View looking south along the east side of 549th Avenue. Photo depicts an upland roadside ditch.



Photo 66 – View looking north along the east side of 549th Avenue. Photo depicts an upland roadside ditch.



Photo 67 – View looking south along the west side of 549th Avenue. Photo depicts an upland roadside ditch.



Photo 68 – View looking north along the west side of 549th Avenue. Photo depicts an upland roadside ditch.



Photo 69 – View looking south near the intersection of 549th Avenue and Highway 13. Photo depicts PEM Wetland U within the roadside ditch.



Photo 70 – View looking south from Sample Point 36. Photo depicts PEM Wetland V within the roadside ditch.



Photo 71 – View looking southeast toward Sample Point 35. Photo depicts PEM Wetland V within the roadside ditch.



Photo 72 – View looking southeast along the south side of Highway 13. Photo depicts an upland roadside ditch.



Photo 73 – View looking southeast along the north side of Highway 13. Photo depicts an upland roadside ditch.



Photo 74 – View looking southeast near the north side of Highway 13. Photo depicts PEM Wetlands W and X along the banks of Unnamed Stream 6.



Photo 75 – View looking northwest from the west side of 549th Avenue. Photo depicts PEM Wetlands W and X along the banks of Unnamed Stream 6.



Photo 76 – View looking north along the west side of 549th Avenue. Photo depicts PEM Wetlands Y and Z along the banks of Unnamed Stream 4.



Photo 77 – View looking north along the west side of 549th Avenue. Photo depicts PEM Wetland AA within the roadside ditch.



Photo 78 – View looking north along the west side of 549th Avenue. Photo depicts PEM Wetlands BB and CC along the banks of Unnamed Stream 4.



Photo 79 – View looking west from PEM Wetland BB. Photo depicts a drainageway. No wetlands were present.



Photo 80 – View looking northwest from PEM Wetland BB. Photo depicts an upland pasture.



Photo 81 – View looking south along the west side of 549th Avenue. Photo depicts PEM Wetlands BB and CC along the banks of Unnamed Stream 4.



Photo 82 – View looking south along the east side of 549th Avenue. Photo depicts PEM Wetland DD within the roadside ditch.



Photo 83 – View looking southeast near Sample Point 41. Photo depicts Unnamed Stream 5 flowing through PEM Wetland DD.



Photo 84 – View looking southeast on the east side of 549th Avenue. Photo depicts PEM Wetlands DD and EE surrounding Unnamed Stream 6.



Photo 85 – View looking southeast on the east side of 549th Avenue. Photo depicts PEM Wetland EE.



Photo 86 – View looking north toward Sample Point 42. Photo depicts PEM Wetland FF within a row-crop field.



Photo 87 – View looking southeast within PEM Wetland FF. Photo depicts the wetland within a row-crop field.



Photo 88 – View looking west from Sample Point 43. Photo depicts the upland area adjacent to PEM Wetland FF.



Photo 89 – View looking southwest along Unnamed Stream 6. Photo depicts PEM Wetland GG along the bank.



Photo 90 – View looking southeast on the north side of Highway 13. Photo depicts an upland roadside ditch.



Photo 91 – View looking north on the north side of Highway 13. Photo depicts PEM Wetlands EE and GG along the banks of Unnamed Stream 6.



Photo 92 – View looking northeast along Unnamed Stream 6. Photo depicts PEM Wetlands DD and GG along the banks.



Photo 93 – View looking southeast on the south side of Highway 13. Photo depicts PEM Wetland HH within the roadside ditch.



Photo 94 – View looking southwest on the south side of Highway 13. Photo depicts PEM Wetland HH.



Photo 95 – View looking east along the northern boundary of PEM Wetland HH. Photo depicts a highly disturbed area next to the wetland.



Photo 96 – View looking north at the northern boundary of PEM Wetland HH. Photo depicts the upland area adjacent to the wetland.



Photo 97 – View looking west from the western boundary of PEM Wetland HH. Photo depicts an access road and the upland area adjacent to the wetland.



Photo 98 – View looking east from the western boundary of PEM Wetland HH. Photo depicts the wetland.



Photo 99 – View looking east from the southwestern boundary of PEM Wetland HH. Photo depicts the wetland.



Photo 100 – View looking south along Unnamed Stream 7. Photo depicts PEM Wetlands HH and II along the banks.



Photo 101 – View looking west along Unnamed Stream 7. Photo depicts PEM Wetlands HH and II along the banks.



Photo 102 – View looking east along Unnamed Stream 7. Photo depicts PEM Wetlands HH and II along the banks.



Photo 103 – View looking south within a property north of 854th Road. Photo depicts an upland pasture.



Photo 104 – View looking north from the north side of 854th Road. Photo depicts an upland pasture.



Photo 105 – View looking south from Sample Point 48. Photo depicts the upland area adjacent to PEM Wetland II.



Photo 106 – View looking south within a property north of 854th Road. Photo depicts an upland pasture.



Photo 107 – View looking west from the south side of Highway 13. Photo depicts PEM Wetlands HH and II on the banks of Unnamed Stream 7.



Photo 108 – View looking west from Sample Point 50. Photo depicts the upland area adjacent to PEM Wetland II.



Photo 109 – View looking northwest on the south side of Highway 13. Photo depicts the upland area adjacent to PEM Wetlands HH and II.



Photo 110 – View looking northeast on the north side of Highway 13. Photo depicts PEM Wetlands JJ and KK along the banks of Unnamed Stream 7.



Photo 111 – View looking southeast along Unnamed Stream 7. Photo depicts PEM Wetland KK along the bank.



Photo 112 – View looking north along Unnamed Stream 7. Photo depicts PEM Wetland KK along the bank.



Photo 113 – View looking southwest along Unnamed Stream 7. Photo depicts the OHWM of the stream and PEM Wetland KK.



Photo 114 – View looking northwest along Unnamed Stream 7. Photo depicts PEM Wetland KK along the banks.



Photo 115 – View looking southeast along the north side of Highway 13. Photo depicts an upland roadside ditch.



Photo 116 – View looking northwest along Unnamed Stream 6. Photo depicts PEM Wetland GG along the south bank of the stream.



Photo 117 – View looking southeast between Unnamed Stream 6 and Unnamed Stream 7. Photo depicts an upland pasture.



Photo 118 – View looking southeast from the berm south of Unnamed Stream 6. Photo depicts an upland pasture.



Photo 119 – View looking west toward Sample Point 53. Photo depicts PEM Wetland LL.



Photo 120 – View looking west toward PEM Wetland MM. Photo depicts the wetland within an old sand volleyball pit.



Photo 121 – View looking east toward Sample Point 55. Photo depicts PEM Wetland NN within an old sand volleyball pit.



Photo 122 – View looking east toward PEM Wetland OO. Photo depicts the wetland within an old sand volleyball pit.



Photo 123 – View looking west along PEM Wetland LL. Photo depicts the wetland within a swale.



Photo 124 – View looking west along the southern boundary of the study area. Photo depicts the upland area adjacent to PEM Wetland LL.



Photo 125 – View looking southeast from the berm to the south of Unnamed Stream 6. Photo depicts an upland pasture.



Photo 126 – View looking east along the berm south of Unnamed Stream 6.



Photo 127 – View looking north along Unnamed Stream 6. Photo depicts PEM Wetlands DD and GG along the stream.



Photo 128 – View looking southeast from the berm south of Unnamed Stream 6. Photo depicts an upland pasture.



Photo 129 – View looking west along Unnamed Stream 6. Photo depicts PEM Wetlands DD and GG along the stream.



Photo 130 – View looking south along the west side of County Road 33C. Photo depicts an upland roadside ditch.



Photo 131 – View looking east from the east side of County Road 33C. Photo depicts Unnamed Stream 6 with PEM Wetlands PP and QQ along the banks.



Photo 132 – View looking north along Unnamed Stream 6. Photo depicts PEM Wetland PP along the banks.



Photo 133 – View looking south along Unnamed Stream 6. Photo depicts PEM Wetland RR along the banks.



Photo 134 – View looking south along the west side of County Road 33C. Photo depicts an upland roadside ditch.



Photo 135 – View looking north along Unnamed Stream 6. Photo depicts PEM Wetland RR along the banks.



Photo 136 – View looking east along Unnamed Stream 6. Photo depicts PEM Wetland RR along the banks.



Photo 137 – View looking west along Unnamed Stream 6. Photo depicts PEM Wetland RR along the banks.



Photo 138 – View looking southwest along Unnamed Stream 6. Photo depicts PEM Wetland RR along the banks.



Photo 139 – View looking northeast from Sample Point 59. Photo depicts the area where Unnamed Stream 6 confluent with the North Fork Elkhorn River.



Photo 140 – View looking southeast from Sample Point 61. Photo depicts the upland/wetland boundary of PEM Wetland RR.



Photo 141 – View looking north along the west side of N Mill Street. Photo depicts an upland ditch.



Photo 142 – View looking south along the west side of N Mill Street. Photo depicts PEM Wetland SS within the roadside ditch.



Photo 143 – View looking east from the east side of N 1st Street. Photo depicts Unnamed Stream 8 with PEM Wetland TT along the banks.



Photo 144 – View looking north along the east side of N 1st Street. Photo depicts an upland roadside ditch.



Photo 145 – View looking west from the west side of N Mill Street. Photo depicts PEM Wetland TT.



Photo 146– View looking east from the east side of N Mill Street. Photo depicts PUB Wetland VV bordered by PEM Wetland UU.



Photo 147 – View looking south along the east side of N Mill Street. Photo depicts the entrance to the city park.



Photo 148 – View looking northwest toward Sample Point 62. Photo depicts PUB Wetland WW bordered by PEM Wetland UU.



Photo 149 – View looking southeast along Unnamed Stream 8. Photo depicts the OHWM of the stream and PEM Wetland XX.



Photo 150 – View looking south along the northwest edge of Pierce Lake. Photo depicts the upland/wetland boundary of PEM Wetland DDD.



Photo 151 – View looking east along the southwest edge of Pierce Lake. Photo depicts the upland/wetland boundary of PEM Wetland ZZ.



Photo 152 – View looking northeast along the south edge of Pierce Lake. Photo depicts an upland area adjacent to the lake.



Photo 153 – View looking northeast. Photo depicts PUB Wetland YY bordered by PEM Wetland XX.



Photo 154 – View looking west within PEM Wetland XX.



Photo 155 – View looking east toward Sample Point 63. Photo depicts PEM Wetland XX.



Photo 156 – View looking east from Sample Point 64. Photo depicts the upland area adjacent to PEM Wetland XX.



Photo 157 – View looking northwest within the city park. Photo depicts a baseball field.



Photo 158 – View looking east along the north side of E Main Street. Photo depicts PEM Wetland AAA.



Photo 159 – View looking east along the south side of E Main Street. Photo depicts a residential area.



Photo 160 – View looking west along the south side of E Main Street. Photo depicts a residential area.



Photo 161 – View looking west along PFO Wetland BBB. Photo depicts the upland/wetland boundary.



Photo 162 – View looking southwest from Sample Point 65. Photo depicts the boundary of PFO Wetland BBB and PEM Wetland CCC.



Photo 163 – View looking west from the eastern boundary of PEM Wetland XX. Photo depicts the wetland within a drainageway.

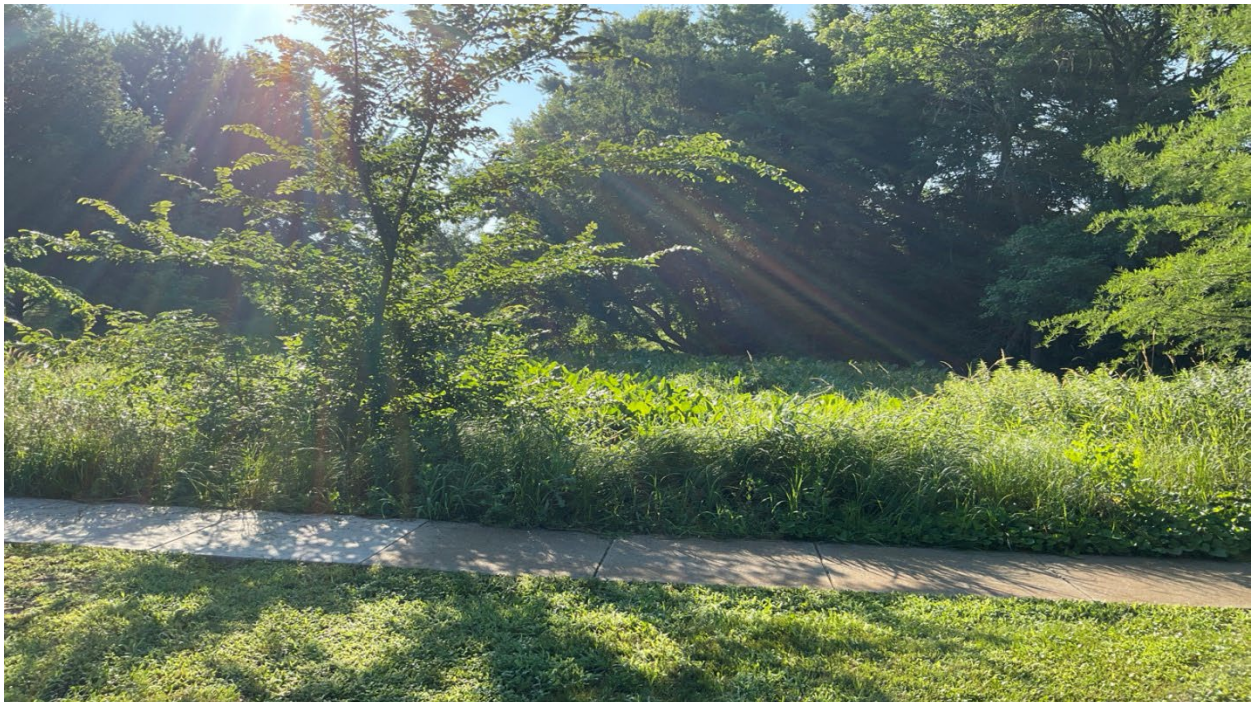


Photo 164 – View looking east from the western boundary of PEM Wetland CCC. Photo depicts the wetland within a drainageway.



Photo 165 – View looking west along Unnamed Stream 8. Photo depicts the OHWM and PEM Wetland CCC.



Photo 166 – View looking west from the levee west of the North Fork Elkhorn River. Photo depicts PEM Wetland CCC.



Photo 167 – View looking west from the levee west of the North Fork Elkhorn River. Photo depicts Unnamed Stream 8.



Photo 168 – View looking northwest from the southeast side of Pierce Lake. Photo depicts an upland area along the bank of the lake.



Photo 169 – View looking northwest from sample Point 66. Photo depicts the upland/wetland boundary of PEM Wetland DDD.



Photo 170 – View looking northeast from Sample Point 68. Photo depicts the confluence of the North Fork Elkhorn River and Yankton Slough.



Photo 171 – View looking north along the west bank of the North Fork Elkhorn River. No wetlands were present along the bank.



Photo 172 – View looking south along the west bank of the North Fork Elkhorn River. No wetlands were present along the bank.



Photo 173 – View looking east from the top of the levee. Photo depicts Unnamed Stream 8 with PEM Wetlands EEE and FFF along the banks.



Photo 174 – View looking east toward Sample Point 69. Photo depicts the upland/wetland boundary of PEM Wetland EEE.



Photo 175 – View looking north from the north side of E Main Street. Photo depicts the east bank of the North Fork Elkhorn River. No wetlands were present along the bank.



Photo 176 – View looking south near Sample Point 71. Photo depicts the west bank of the North Fork Elkhorn River. No wetlands were present along the bank.



Photo 177 – View looking northeast toward Sample Point 71. Photo depicts a depression near the North Fork Elkhorn River. No wetlands were present.



Photo 178 – View looking east along E Nebraska Street. Photo depicts a residential area.



Photo 179 – View looking west from the levee west of the North Fork Elkhorn River. Photo depicts Unnamed Stream 9 with PEM Wetlands GGG and HHH along the banks.



Photo 180 – View looking south from the levee west of the North Fork Elkhorn River. Photo depicts Unnamed Stream 9 with PEM Wetlands GGG and HHH along the banks.



Photo 181 – View looking north from Sample Point 73. Photo depicts Unnamed Stream 9 with PEM Wetlands GGG, HHH, and III along the banks.



Photo 182 – View looking southwest near Sample Point 75. Photo depicts Unnamed Stream 9.



Photo 183 – View looking east from the levee. Photo depicts Unnamed Stream 9 with PEM Wetlands JJJ and KKK along the banks.



Photo 184 – View looking north along the west bank of the North Fork Elkhorn River. No wetlands were present along the bank.



Photo 185 – View looking south along the west bank of the North Fork Elkhorn River. No wetlands were present along the bank.



Photo 186 – View looking south along the west bank of the North Fork Elkhorn River. No wetlands were present along the bank.



Photo 187 – View looking west toward Sample Point 78. Photo depicts a swale near the levee. No wetlands were present.



Photo 188 – View looking north from Sample Point 79. Photo depicts the west bank of the North Fork Elkhorn River. No wetlands were present.



Photo 189 – View looking west from Sample Point 79. Photo depicts the confluence of the North Fork Elkhorn River and Willow Creek.



Photo 190 – View looking northeast along the north bank of Willow Creek. Photo depicts the OHWM. No wetlands were present.



Photo 191 – View looking southwest along the north bank of Willow Creek. Photo depicts the OHWM. No wetlands were present.



Photo 192 – View looking west near Sample Point 82. Photo depicts PEM Wetland LLL.



Photo 193 – View looking east along the north bank of Willow Creek. Photo depicts the OHWM. No wetlands were present.



Photo 194 – View looking west along the north bank of Willow Creek. Photo depicts the OHWM. No wetlands were present.



Photo 195 – View looking south from the northern boundary of the study area. Photo depicts a forested area. No wetlands were present.



Photo 196 – View looking northwest from Sample Point 83. Photo depicts PEM Wetland MMM.



Photo 197 – View looking northwest near Sample Point 84. Photo depicts Unnamed Stream 10 with PEM Wetlands NNN and OOO along the banks.



Photo 198 – View looking southeast from the levee. Photo depicts Unnamed Stream 10 with PEM Wetlands NNN and OOO along the banks.



Photo 199 – View looking south from Sample Point 86 within PEM Wetland PPP. Photo depicts the confluence of Unnamed Stream 11 and Willow Creek.



Photo 200 – View looking southeast along Unnamed Stream 11. Photo depicts the stream bordered by PEM Wetlands PPP and QQQ.



Photo 201 – View looking southeast along Unnamed Stream 11. Photo depicts the stream with PEM Wetland RRR below the OHWM.



Photo 202 – View looking south from the north edge of Unnamed Pond 2. Photo depicts PEM Wetland SSS along the edge of the pond.



Photo 203 – View looking east from the west edge of Unnamed Pond 2. Photo depicts PEM Wetland SSS along the edge of the pond.



Photo 204 – View looking northwest toward Sample Point 89. Photo depicts PEM Wetland SSS.



Photo 205 – View looking northeast on the west side of Highway 13. Photo depicts PEM Wetland TTT along Willow Creek.



Photo 206 – View looking north along the boundary of the study area. Photo depicts Unnamed Pond 3 bordered by PEM Wetland TTT.



Photo 207 – View looking west from Sample Point 93. Photo depicts the upland/wetland boundary of PEM Wetland UUU.



Photo 208 – View looking southeast along Willow Creek. Photo depicts the upland/wetland boundary of PEM Wetland UUU.



Photo 209 – View looking west along Willow Creek. Photo depicts the upland/wetland boundary of PEM Wetland VVV.



Photo 210 – View looking east from the east side of S 1st Street. Photo depicts PEM Wetland SSS within a ditch.



Photo 211 – View looking east from 550th Avenue. Photo depicts Willow Creek and PEM Wetland VVV.



Photo 212 – View looking northwest from Sample Point 94. Photo depicts PEM Wetland WWW.



Photo 213 – View looking northeast from the boundary of the study area. Photo depicts Willow Creek.



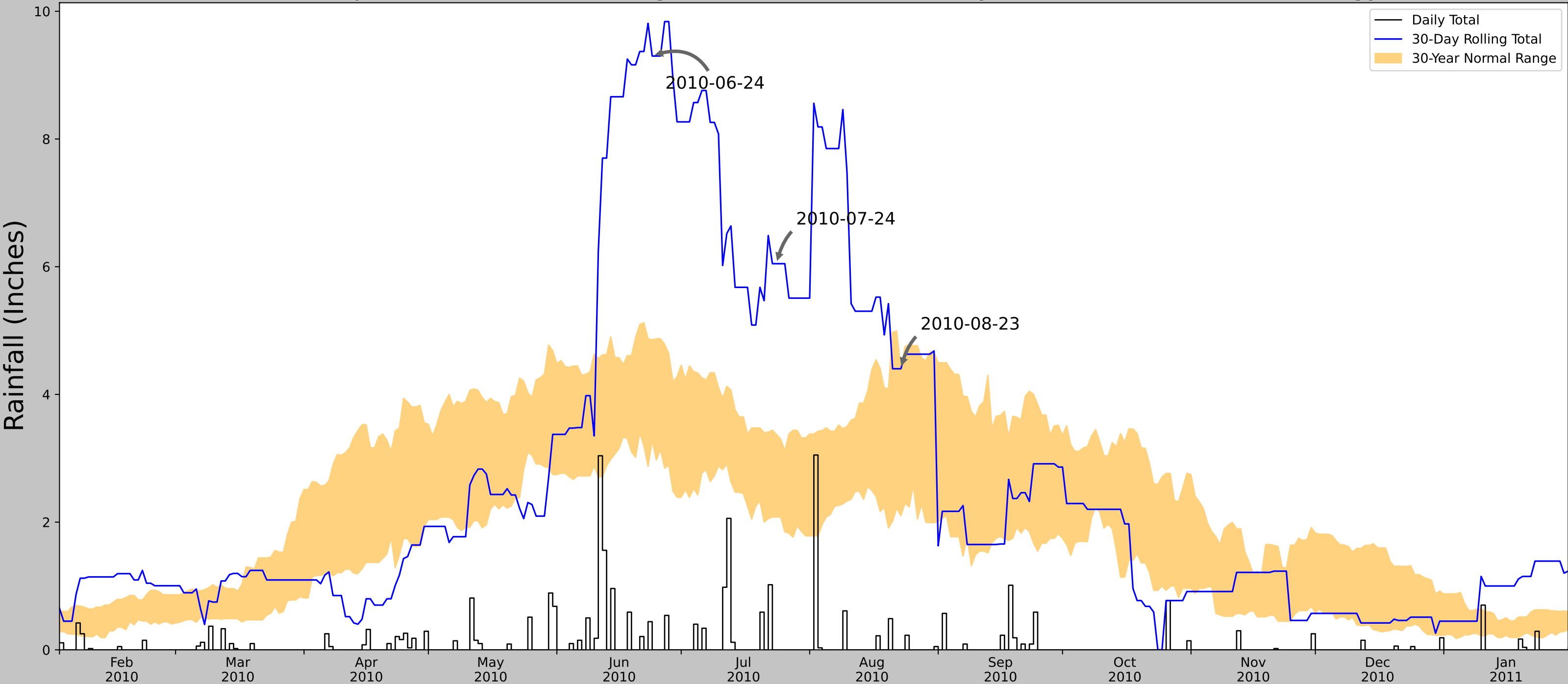
Photo 214 – View looking west from Sample Point 97. Photo depicts PEM Wetland XXX.

Appendix C: USACE Wetland Determination Data Forms

Copies of forms are available upon request. Please contact Melissa Baier at melissa.baier@usda.gov for copies of the wetland determination data forms.

Appendix D: Farmed Wetland Analysis

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



Coordinates	42.202020, -97.524090
Observation Date	2010-08-23
Elevation (ft)	1573.584
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
2010-08-23	2.100787	4.398425	4.401575	Wet	3	3	9
2010-07-24	2.079134	3.372441	6.047244	Wet	3	2	6
2010-06-24	3.274803	4.854331	9.299213	Wet	3	1	3
Result							Wetter than Normal - 18



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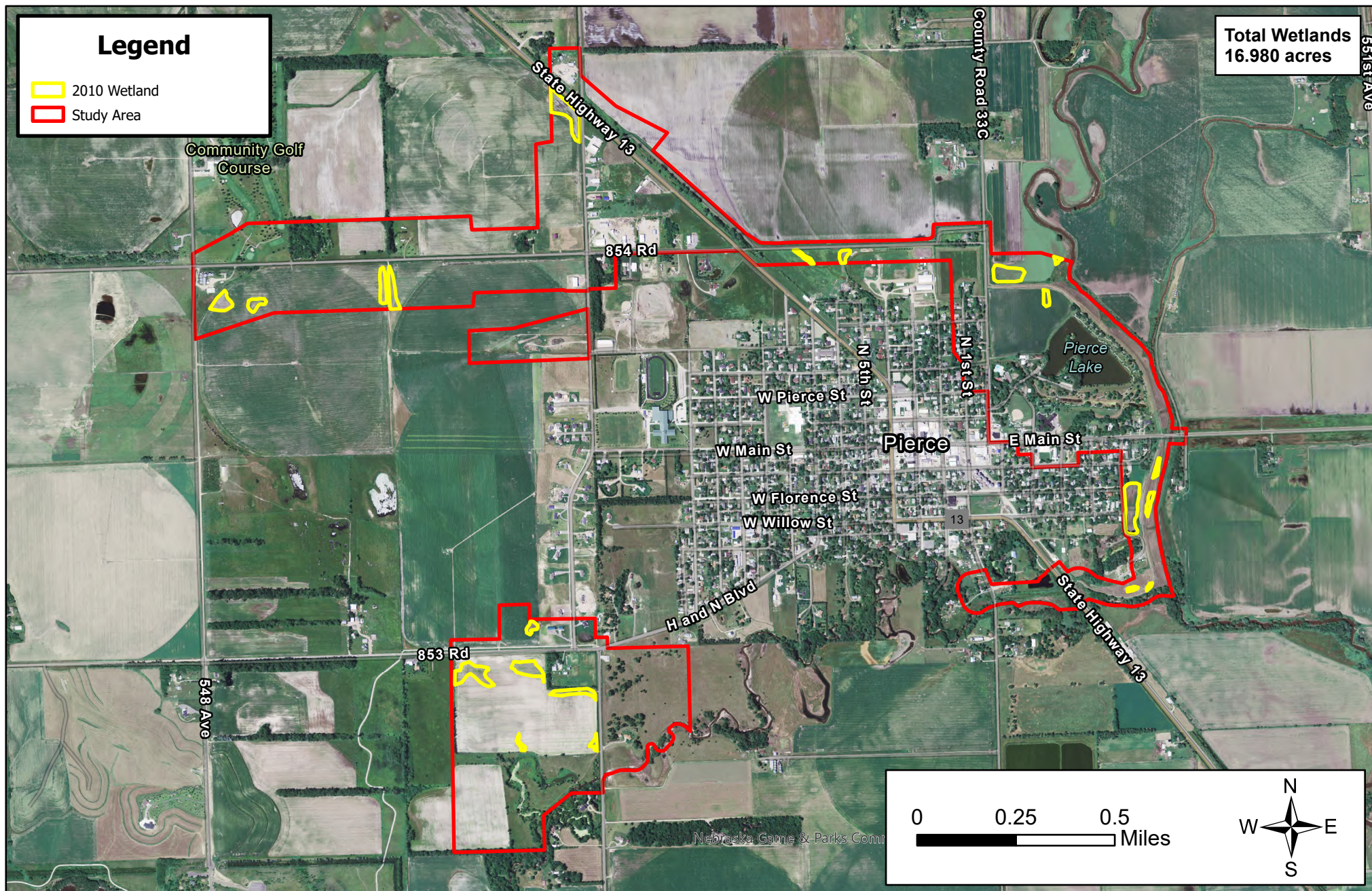
Figures and tables made by the
Antecedent Precipitation Tool
Version 2.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center



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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
PIERCE	42.1986, -97.5172	1575.131	0.425	1.547	0.192	6245	90
PIERCE 2.6 NNE	42.2342, -97.5104	1630.906	2.484	55.775	1.256	30	0
OSMOND	42.3569, -97.5969	1649.934	11.672	74.803	6.126	4927	0
RANDOLPH 6 S	42.2944, -97.3647	1774.934	10.23	199.803	6.647	120	0
NORFOLK KARL STEFAN MEM AP	41.98, -97.4336	1562.008	15.7	13.123	7.271	31	0



Created By: K. Boden
Date: 7/29/2024
Software: ArcGIS Pro 3.3.0
File: North Fork Elkhorn WFPO.aprx

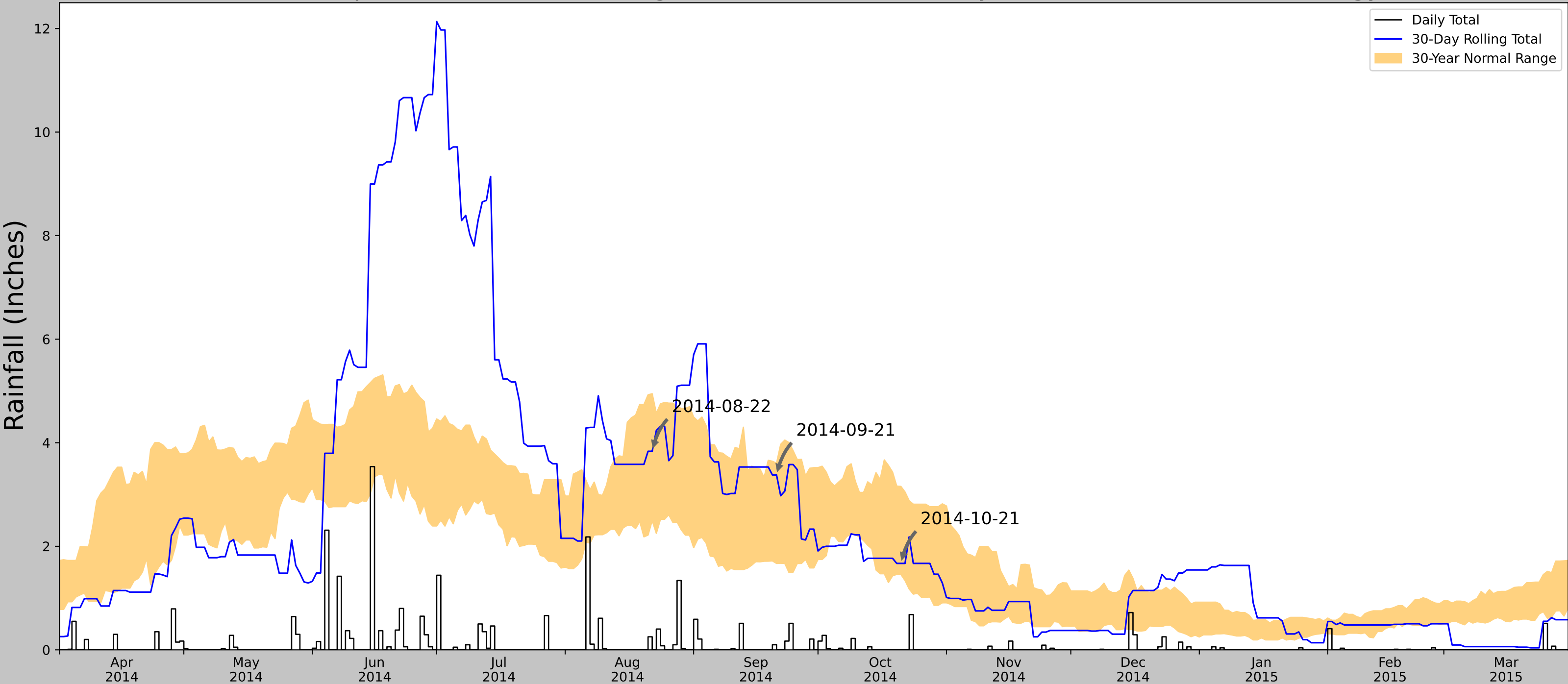
LENRD North Fork Elkhorn River WFPO Pierce

Figure 1 - 2010 NAIP Imagery
Pierce County, NE

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



Coordinates	42.202020, -97.524090
Observation Date	2014-10-21
Elevation (ft)	1573.584
Drought Index (PDSI)	Severe 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
2014-10-21	1.45748	3.156299	1.669291	Normal	2	3	6
2014-09-21	1.668898	3.604331	3.377953	Normal	2	2	4
2014-08-22	2.497638	4.946851	3.834646	Normal	2	1	2
Result							Normal Conditions - 12



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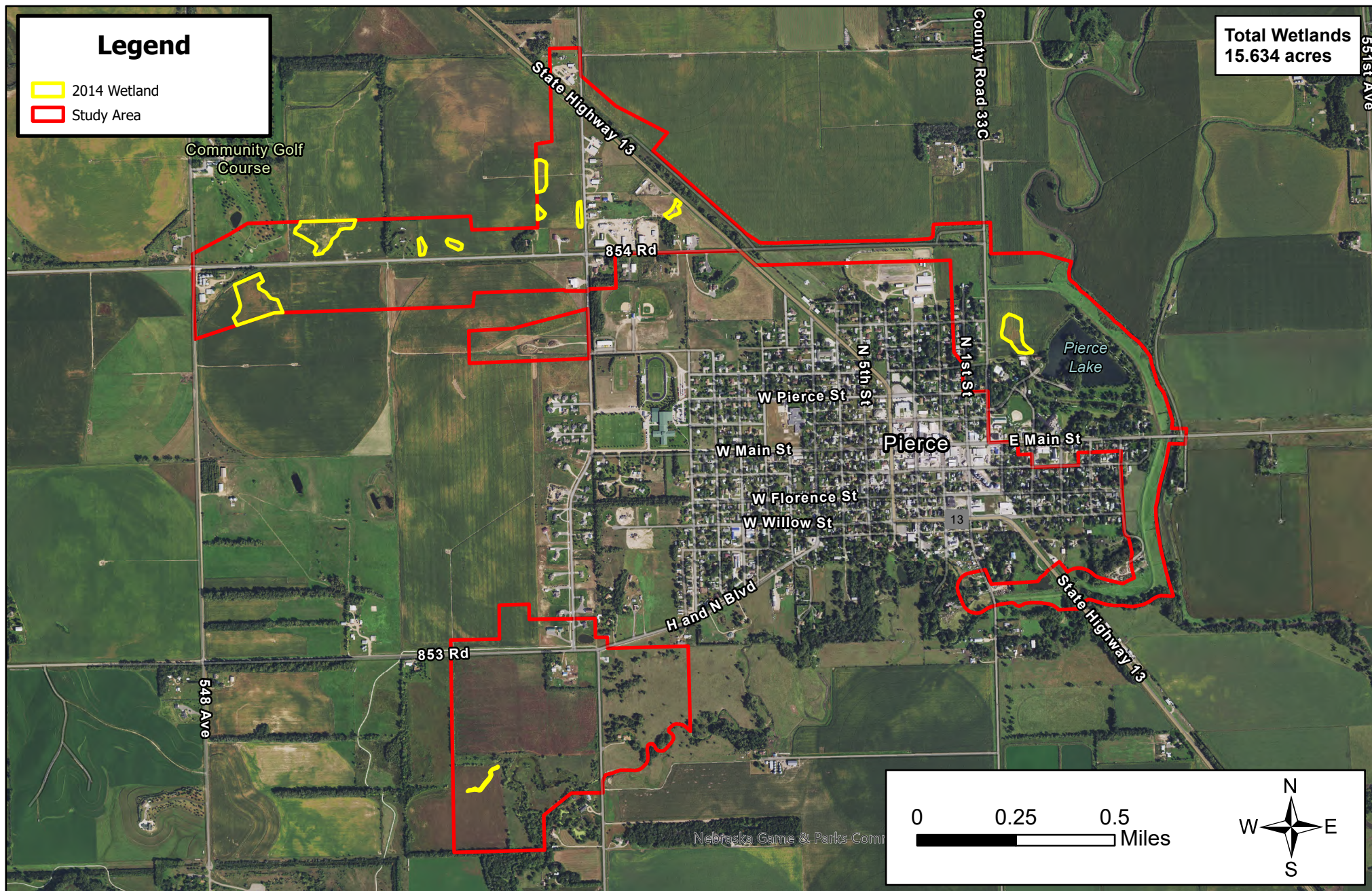
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Development Center



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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
PIERCE	42.1986, -97.5172	1575.131	0.425	1.547	0.192	8066	90
PIERCE 2.6 NNE	42.2342, -97.5104	1630.906	2.484	55.775	1.256	35	0
OSMOND	42.3569, -97.5969	1649.934	11.672	74.803	6.126	3147	0
RANDOLPH 6 S	42.2944, -97.3647	1774.934	10.23	199.803	6.647	78	0
NORFOLK KARL STEFAN MEM AP	41.98, -97.4336	1562.008	15.7	13.123	7.271	27	0



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Software: ArcGIS Pro 3.3.0
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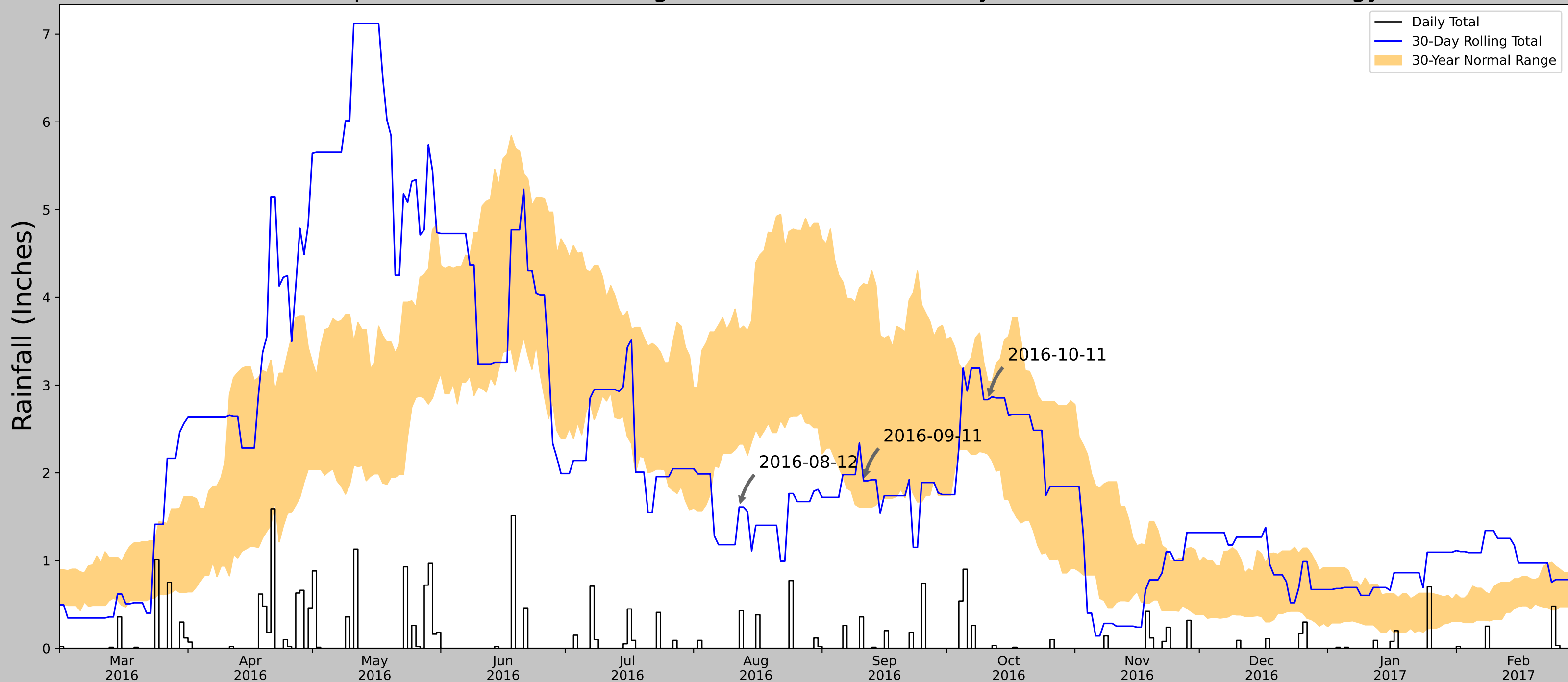
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Figure 2 - 2014 NAIP Imagery
Pierce County, NE

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



Coordinates	42.202020, -97.524090
Observation Date	2016-10-11
Elevation (ft)	1573.584
Drought Index (PDSI)	Severe 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
2016-10-11	2.214567	3.039764	2.834646	Normal	2	3	6
2016-09-11	1.609449	4.155906	1.909449	Normal	2	2	4
2016-08-12	2.328347	3.626378	1.610236	Dry	1	1	1
Result							Normal Conditions - 11



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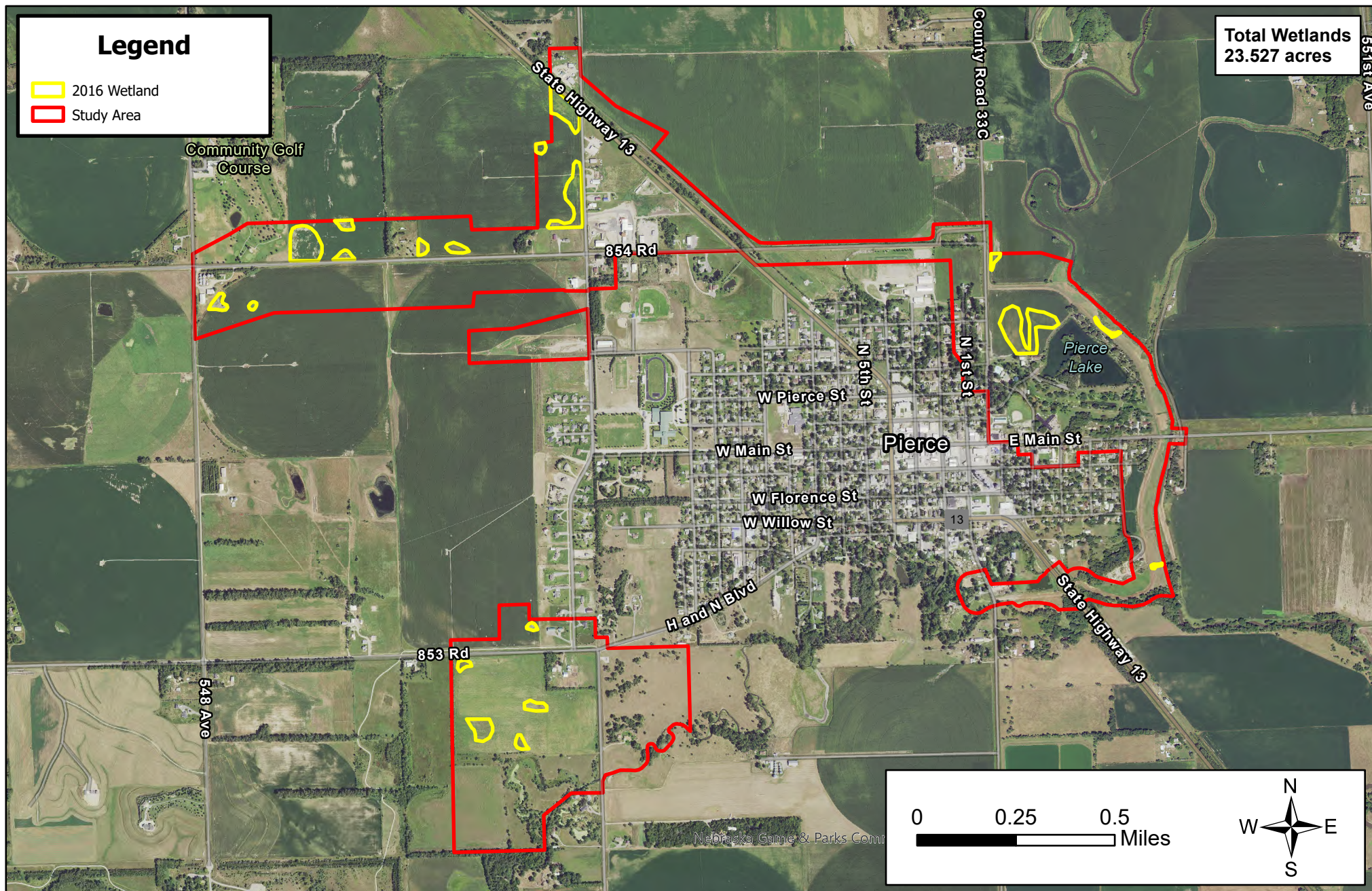
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Development Center



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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
PIERCE	42.1986, -97.5172	1575.131	0.425	1.547	0.192	8794	90
PIERCE 2.6 NNE	42.2342, -97.5104	1630.906	2.484	55.775	1.256	37	0
NORFOLK 4W	42.0289, -97.4855	1544.948	11.837	30.183	5.684	1	0
OSMOND	42.3569, -97.5969	1649.934	11.672	74.803	6.126	2436	0
RANDOLPH 6 S	42.2944, -97.3647	1774.934	10.23	199.803	6.647	58	0
NORFOLK KARL STEFAN MEM AP	41.98, -97.4336	1562.008	15.7	13.123	7.271	27	0



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LENRD North Fork Elkhorn River WFPO Pierce

Figure 3 - 2016 NAIP Imagery
Pierce County, NE



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



Coordinates	42.202020, -97.524090
Observation Date	2018-11-17
Elevation (ft)	1573.584
Drought Index (PDSI)	Extreme wetness
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2018-11-17	0.529134	1.187795	1.283465	Wet	3	3	9
2018-10-18	1.487795	3.698819	2.937008	Normal	2	2	4
2018-09-18	1.712598	3.437795	1.602362	Dry	1	1	1
Result							Normal Conditions - 14



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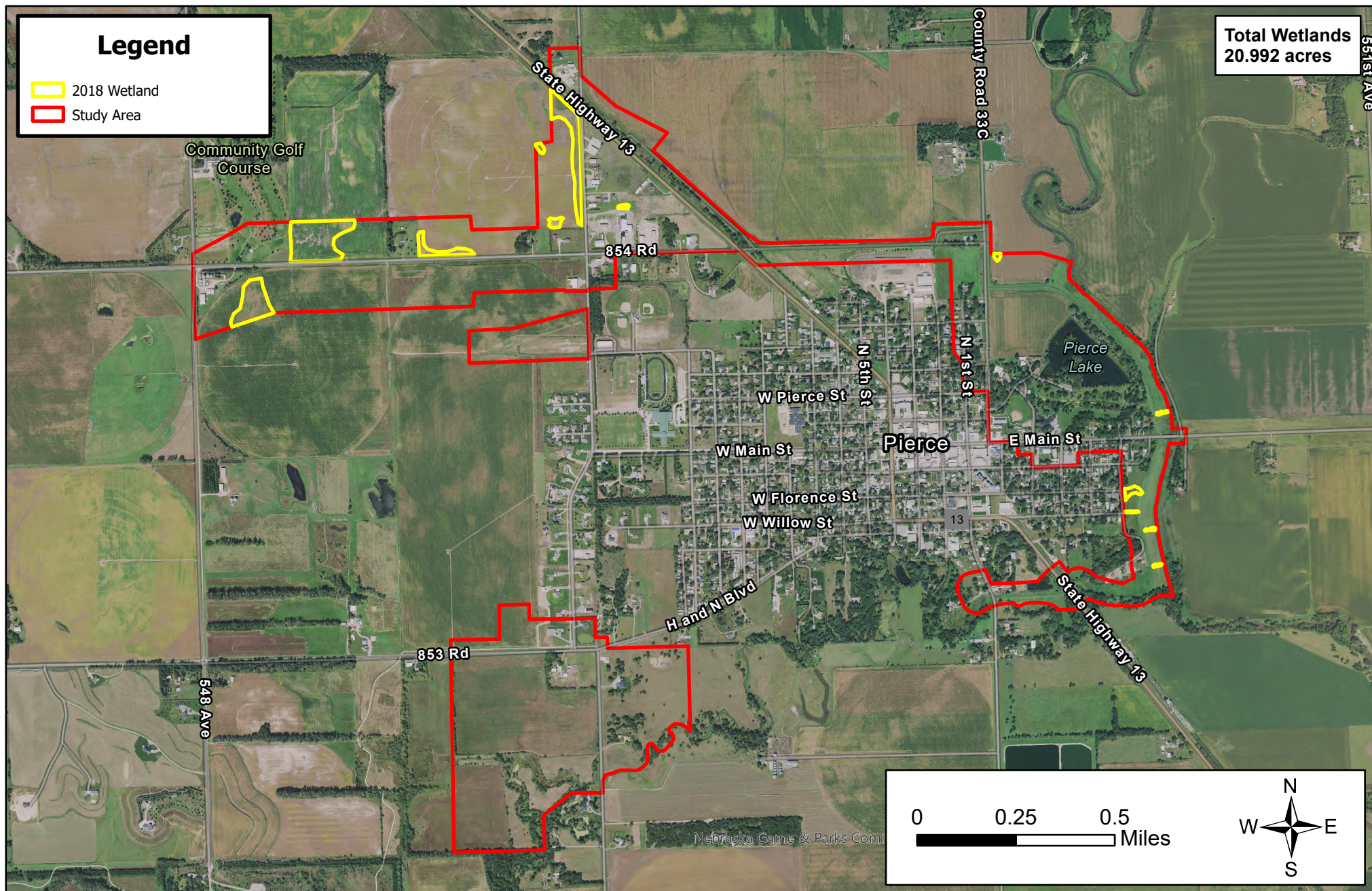
Figures and tables made by the
Antecedent Precipitation Tool
Version 2.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center



ERDC
ENGINEER RESEARCH & DEVELOPMENT CENTER

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
PIERCE	42.1986, -97.5172	1575.131	0.425	1.547	0.192	9524	90
PIERCE 2.6 NNE	42.2342, -97.5104	1630.906	2.484	55.775	1.256	37	0
NORFOLK 4W	42.0289, -97.4855	1544.948	11.837	30.183	5.684	1	0
OSMOND	42.3569, -97.5969	1649.934	11.672	74.803	6.126	1715	0
RANDOLPH 6 S	42.2944, -97.3647	1774.934	10.23	199.803	6.647	49	0
NORFOLK KARL STEFAN MEM AP	41.98, -97.4336	1562.008	15.7	13.123	7.271	27	0



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Date: 7/29/2024
Software: ArcGIS Pro 3.3.0
File: North Fork Elkhorn WFPO.aprx

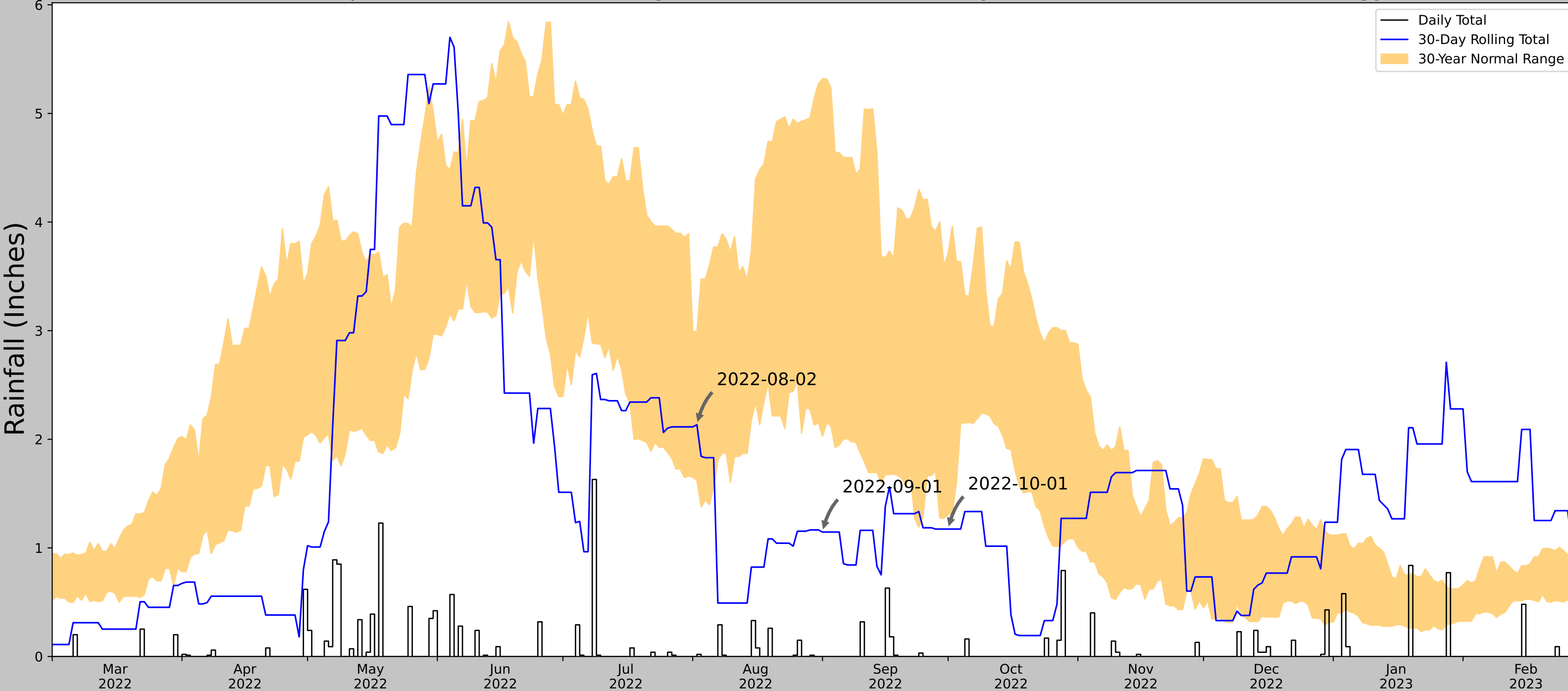
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LENRD North Fork Elkhorn River WFPO Pierce

Figure 4 - 2018 NAIP Imagery
Pierce County, NE



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



Coordinates	42.202020, -97.524090
Observation Date	2022-10-01
Elevation (ft)	1573.584
Drought Index (PDSI)	Extreme 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
2022-10-01	1.307087	3.710236	1.173228	Dry	1	3	3
2022-09-01	2.028347	5.31811	1.145669	Dry	1	2	2
2022-08-02	1.62126	2.99252	2.133858	Normal	2	1	2
Result							Drier than Normal - 7



**US Army Corps
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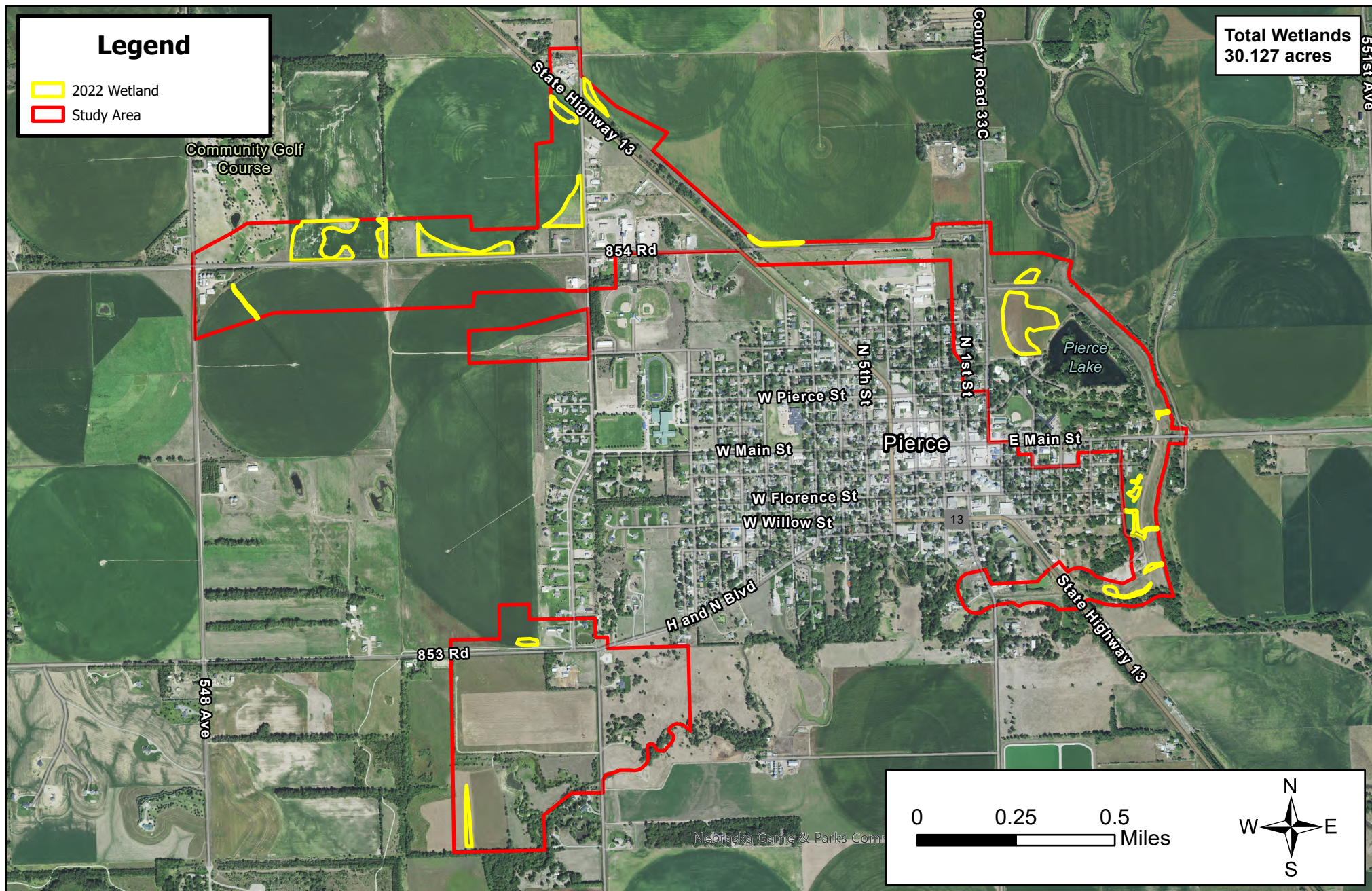
Figures and tables made by the
Antecedent Precipitation Tool
Version 2.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center



ERDC
ENGINEER RESEARCH & DEVELOPMENT CENTER

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
PIERCE	42.1986, -97.5172	1575.131	0.425	1.547	0.192	10957	90
PIERCE 2.6 NNE	42.2342, -97.5104	1630.906	2.484	55.775	1.256	40	0
NORFOLK 4W	42.0289, -97.4855	1544.948	11.837	30.183	5.684	26	0
OSMOND	42.3569, -97.5969	1649.934	11.672	74.803	6.126	327	0
RANDOLPH 6 S	42.2944, -97.3647	1774.934	10.23	199.803	6.647	3	0



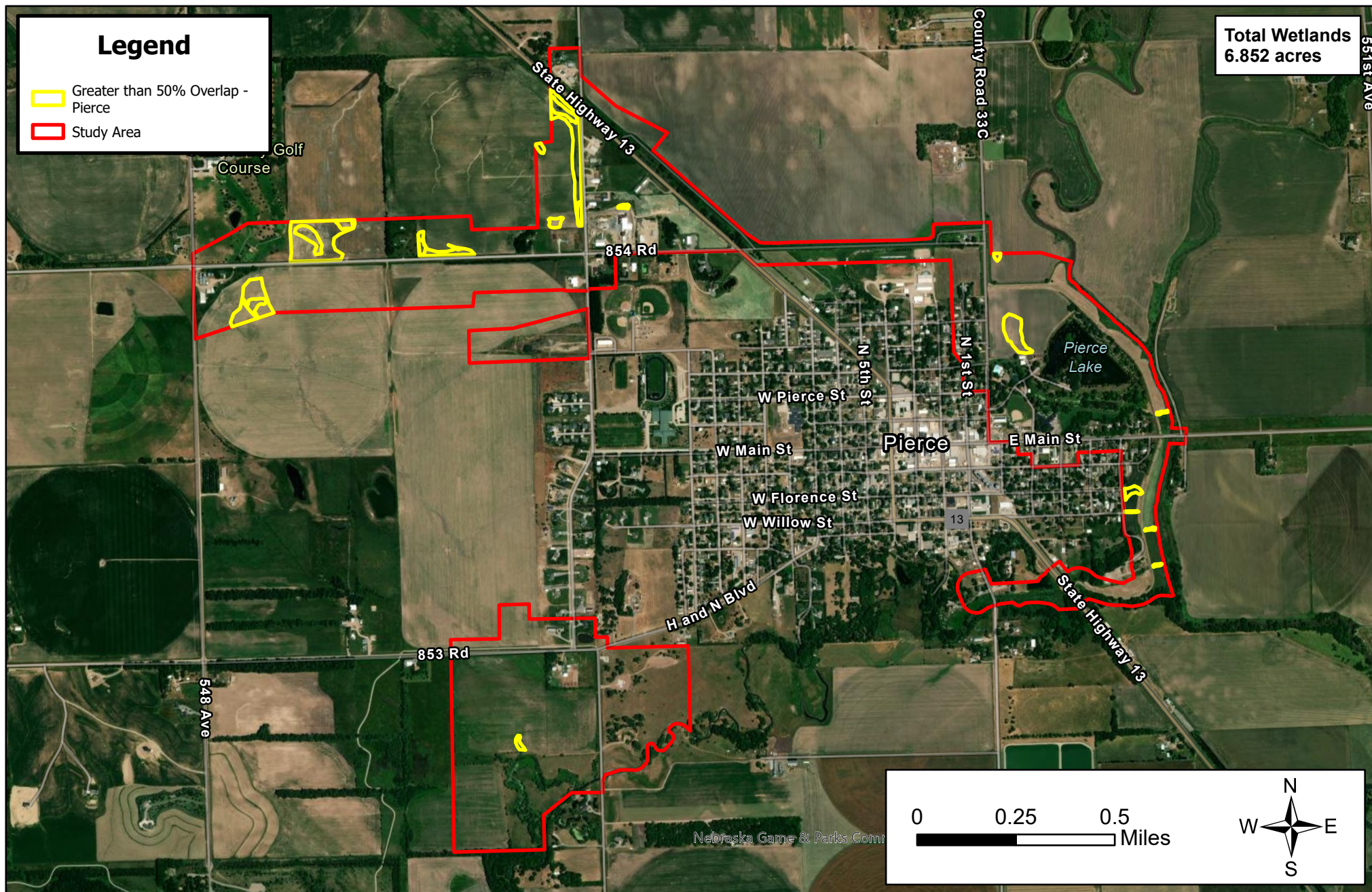
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Date: 7/29/2024
Software: ArcGIS Pro 3.3.0
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Figure 5 - 2022 NAIP Imagery
Pierce County, NE





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Figure 6 - Greater than 50% Overlap
Pierce County, NE

