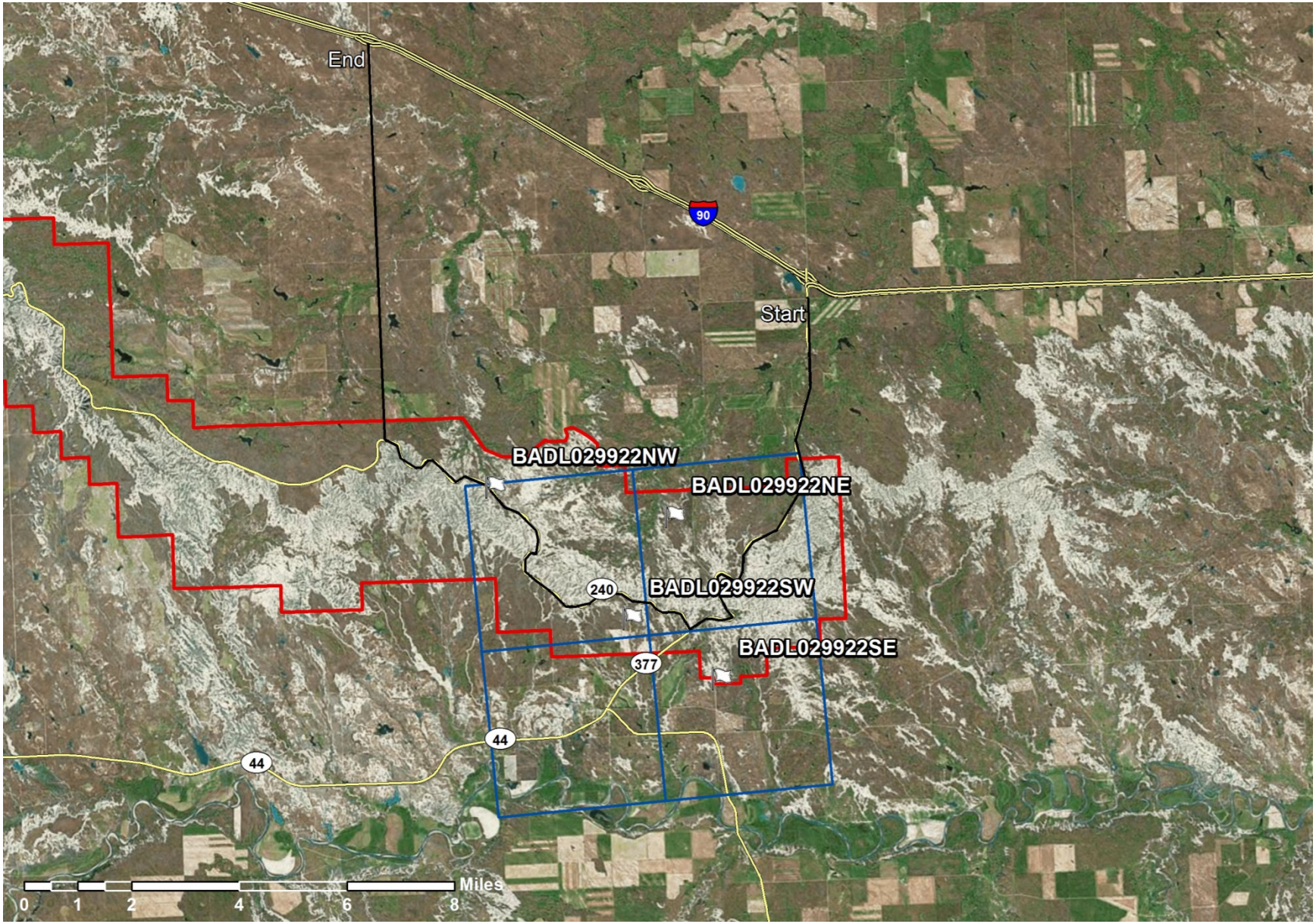
Northern Great Plains Network

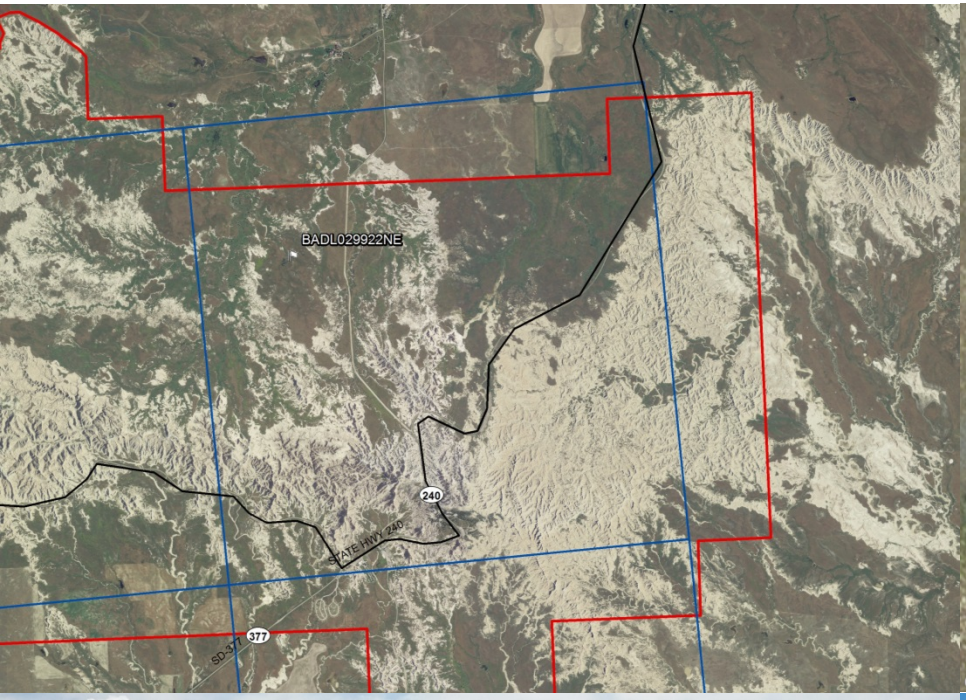
NABat Bat Monitoring Stations and Road Survey Routes 2014-16

- This document is intended to facilitate analysis and revisiting of Network bat monitoring stations established 2014-16. This document excludes stations that did not use the NABat sampling frame (those stations are described in a companion document).
- This document also includes the routes driven for the NABat road surveys (black lines on the maps).
- The results from the monitoring can be found in *Licht, D.S. 2017. Acoustic surveys of bats at Northern Great Plains Parks and Preliminary Results from 2014-16. Natural Resource Report, Fort Collins CO* and subsequent reports.
- For more information or to comment on the stations contact the National Park Service Northern Great Plains Inventory & Monitoring Network in Rapid City, South Dakota.

BADL029922 Cell



BADL029922NE



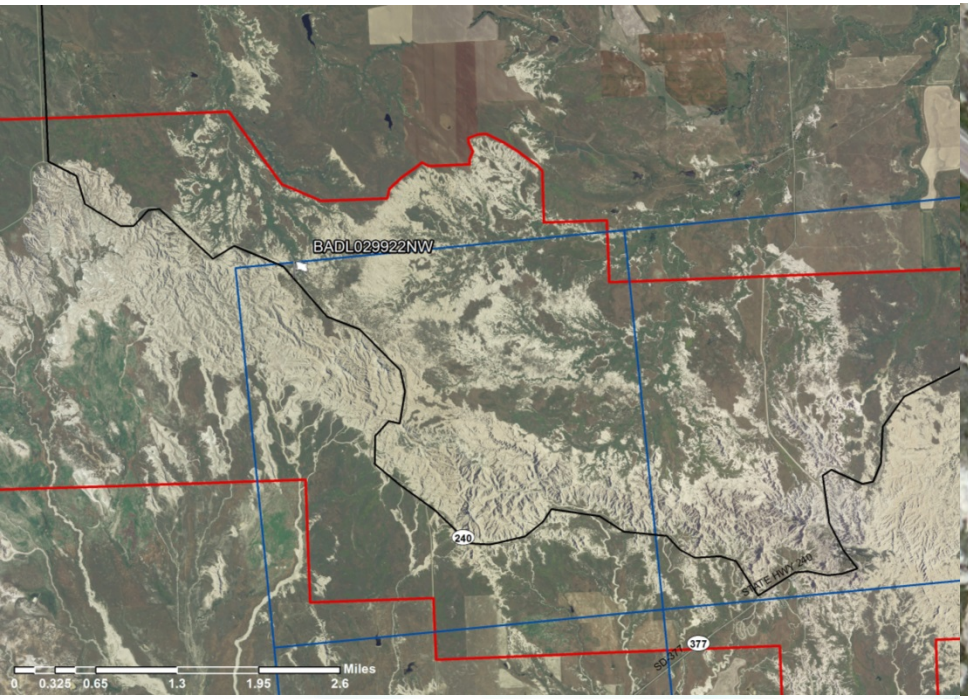






<u>Old Park Road Stock Pond (43.777992 -101.952849).</u> Site cannot be seen from road. Park at road and go due west, once you get to rise you can see treetops to the west. Place tripod in spot of bare ground on dike on north side of pond.

BADL029922NW



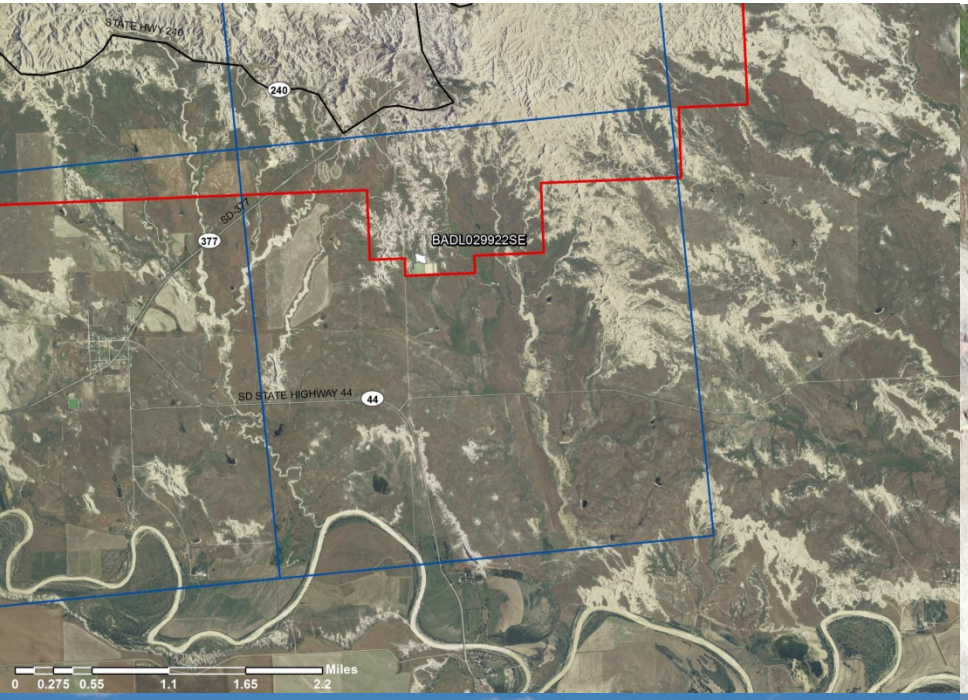






Scattered Cottonwoods (43.787712 -102.019096). Park next to bare ground between two trees next to road. Station is in flat area of poorly drained soil. Site can be partially seen from road, but is not highly noticeable.

BADL029922SE



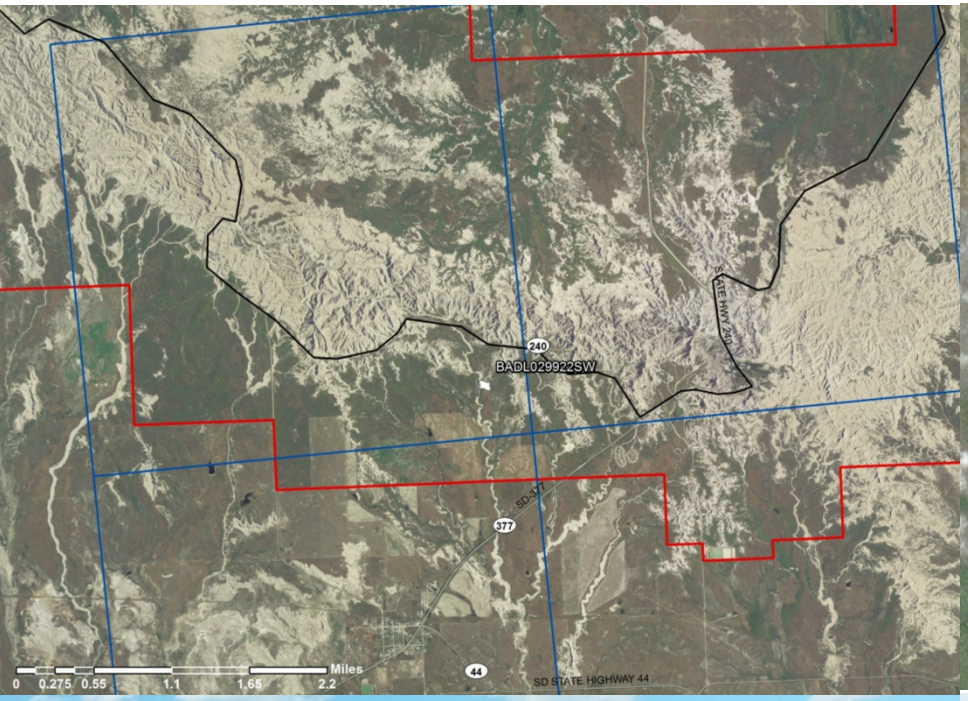






Sewage Lagoon (43.733746 -101.937546). Park at gate to sewage ponds and walk along fence. On small rise just north of first sewage pond. Park horses may have access to area and could knock unit over.

BADL029922SW



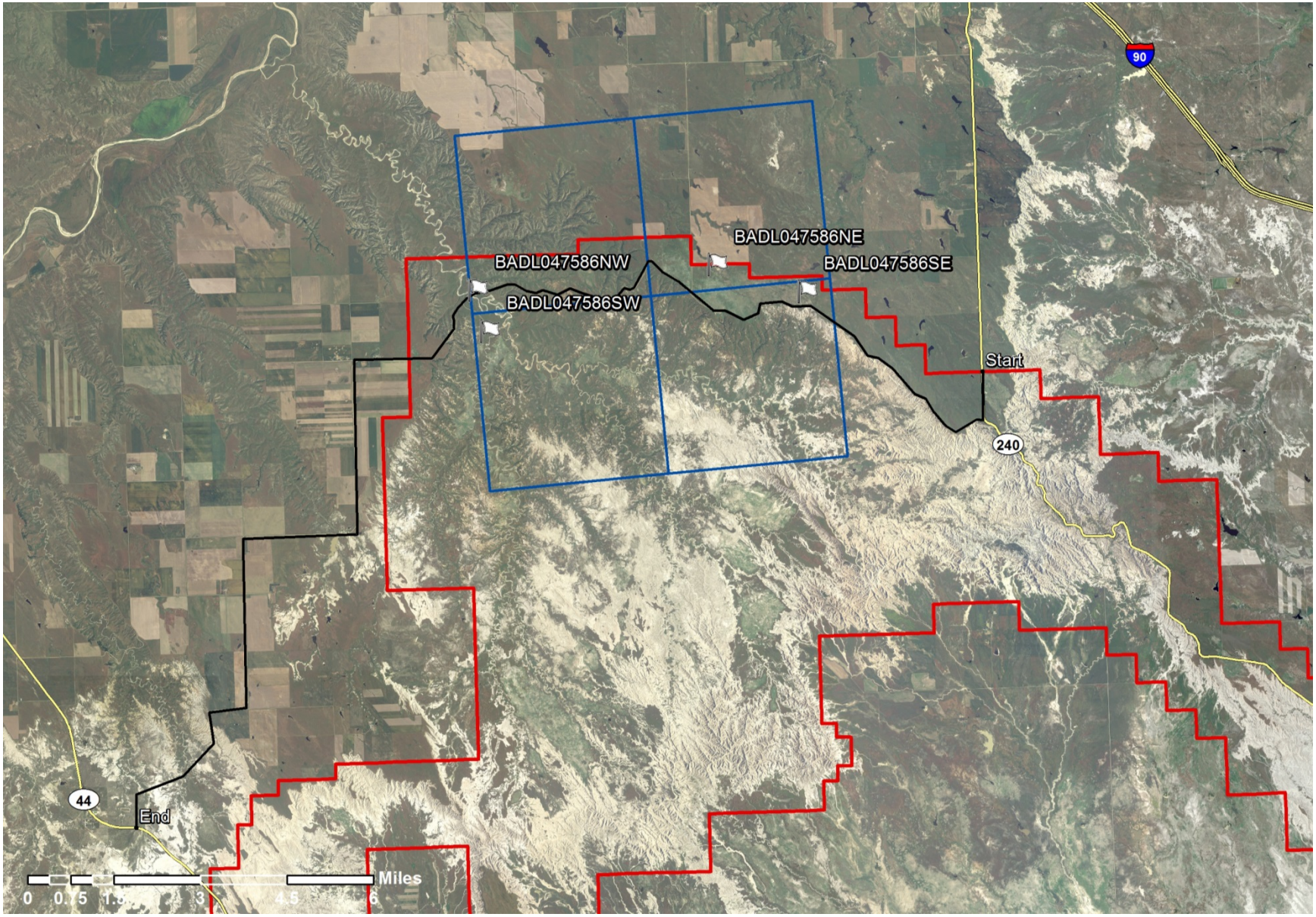




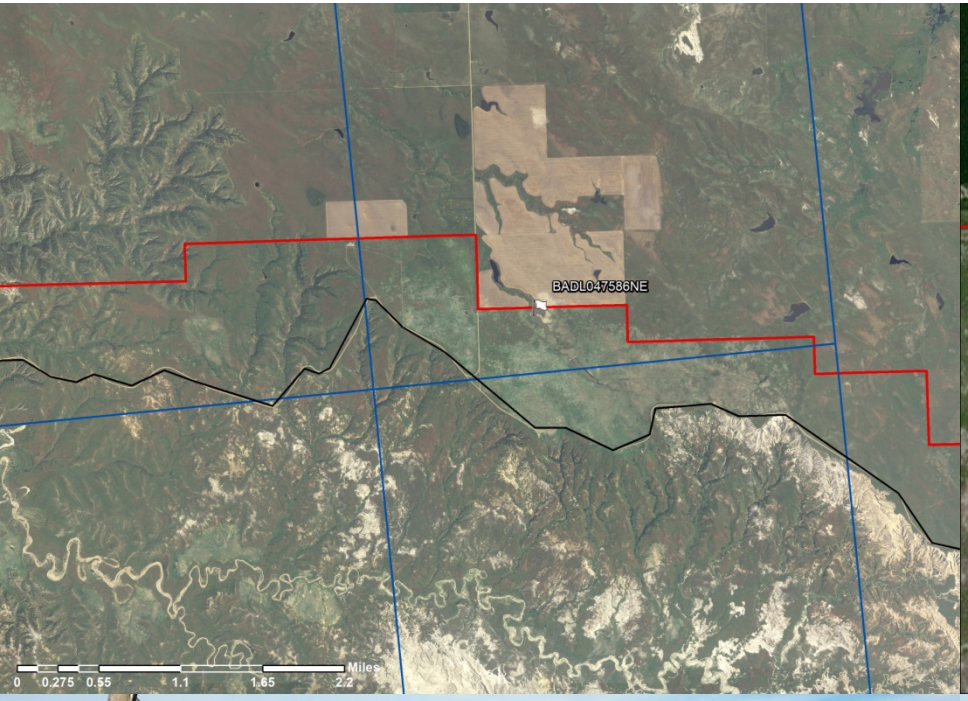


<u>Saddle Pass Creekbed (43.751022 -101.969948).</u> Park in hiking trail parking area and go south. Fairly long walk. Follow drainage to site. Site is lower terrace of floodplain (although associated with SW quadrant site is actually in NW quadrant).

BADL 047586 Cell



BADL047586NE



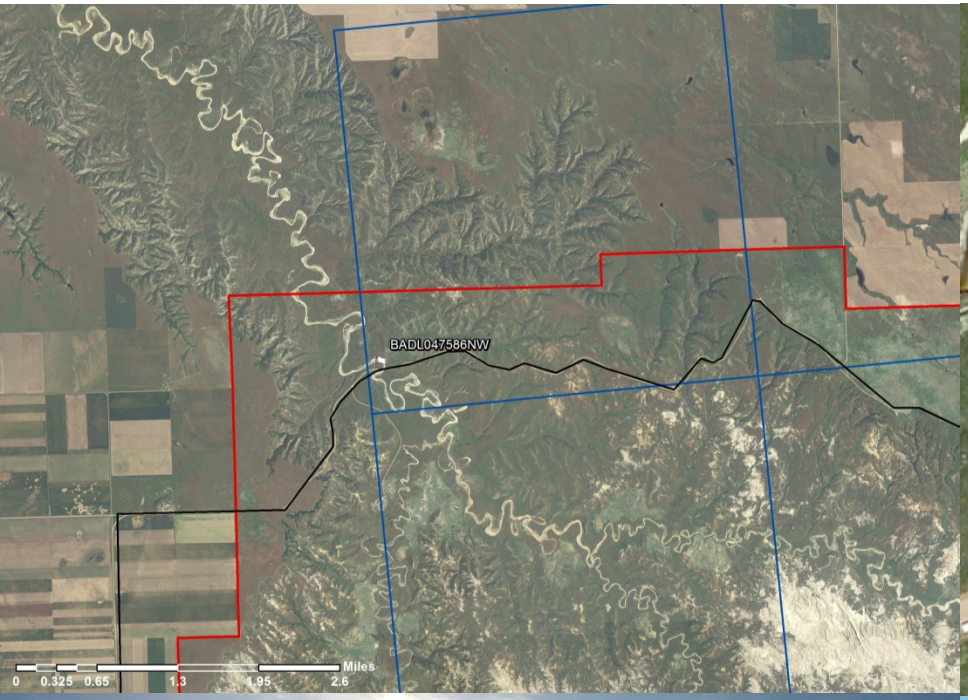






Big Roberts Wetland (43.915089 -102.330368). Can drive trail through prairie dog town and along fence to site. Go just past small tree. Place tripod as close to fence as possible to minimize disturbance from bison.

BADL047586NW



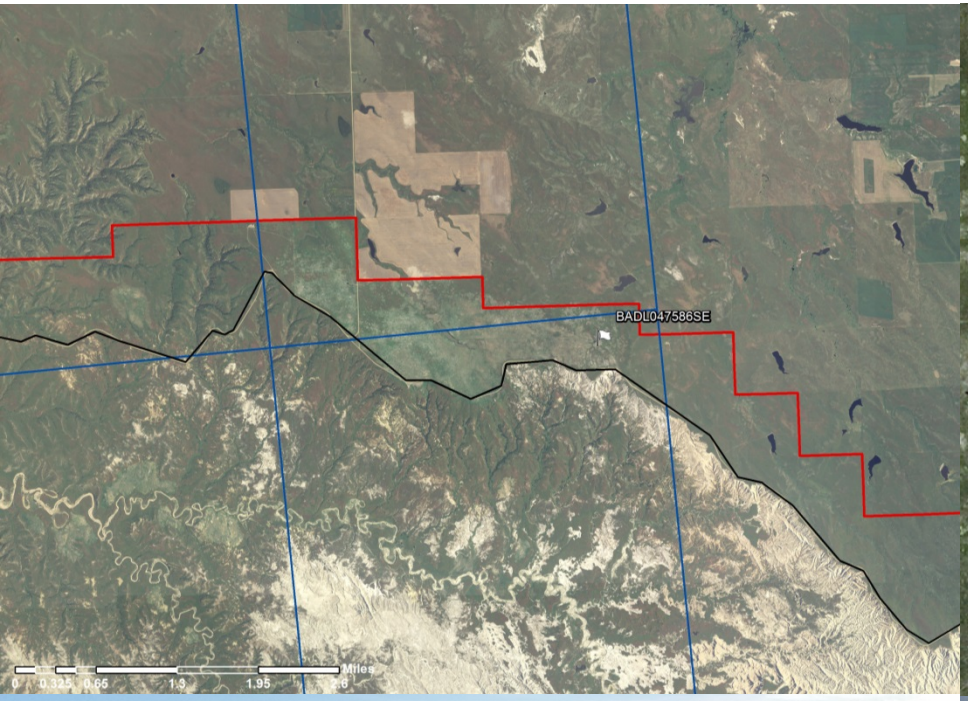






Sage Creek Bridge (43.910648 -102.413773). Park by Sage Creek Road bridge. Station is somewhat between two large cottonwood trees. Place tripod in sagebrush to minimize disturbance from bison.

BADL047586SE



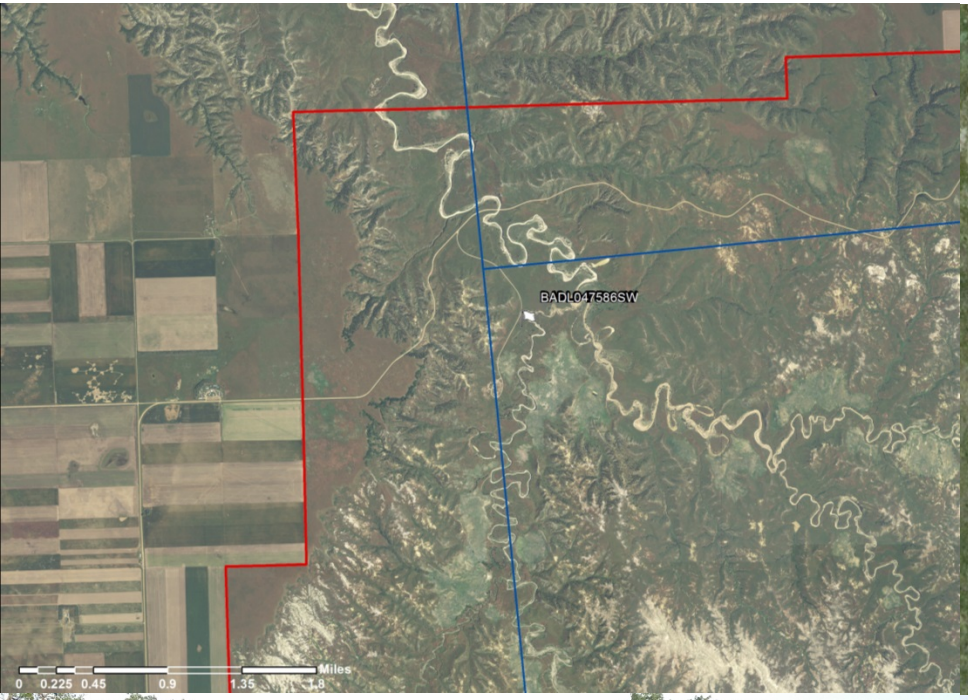






<u>Pond East End Roberts (43.907616 -102.299492).</u> Drive along fence line and turn left (west) when pond is seen. Locate tripod on east side of pond. High potential for disturbance by bison. If bison are nearby maybe come back later to deploy.

BADL047586SW



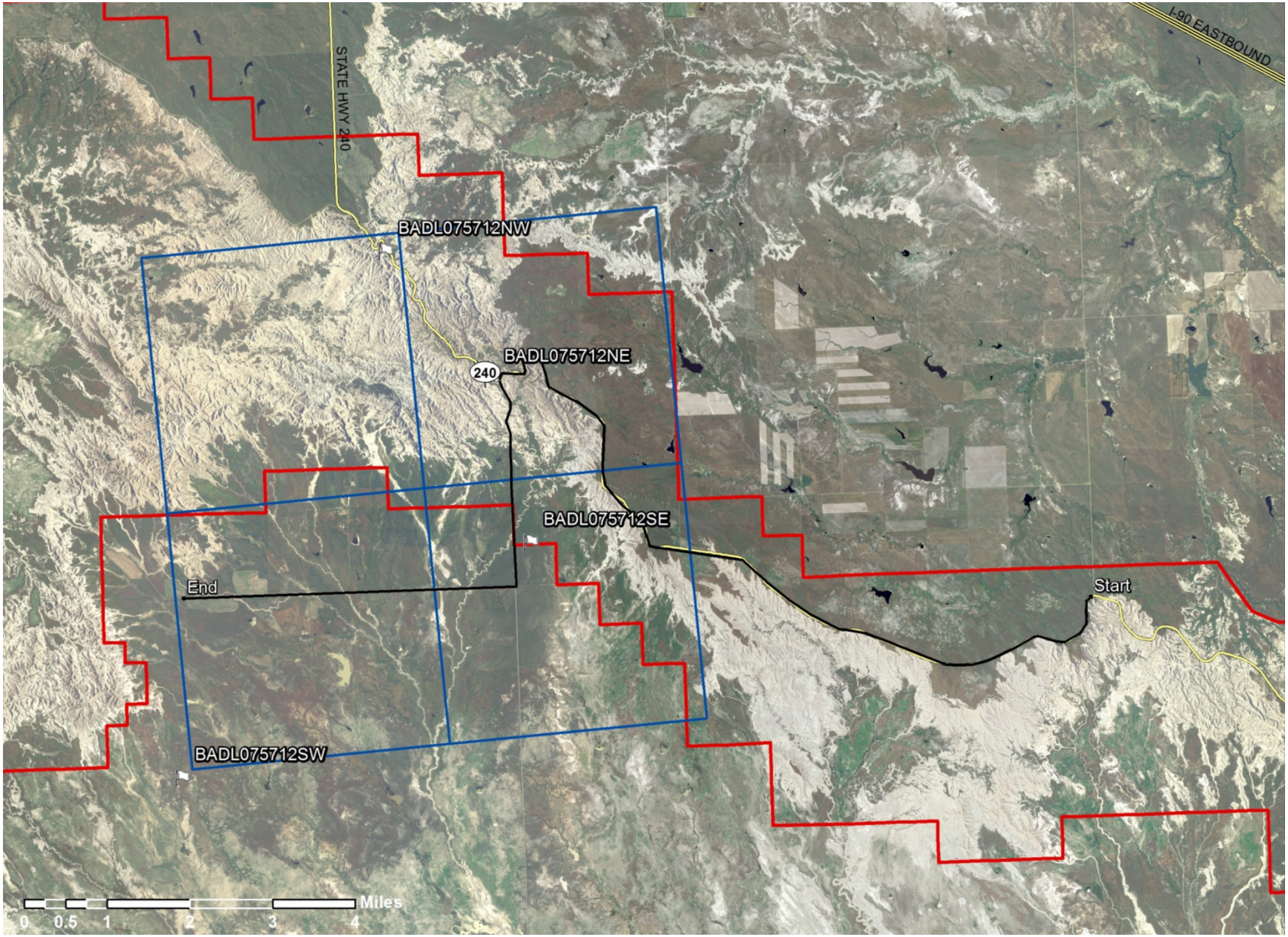




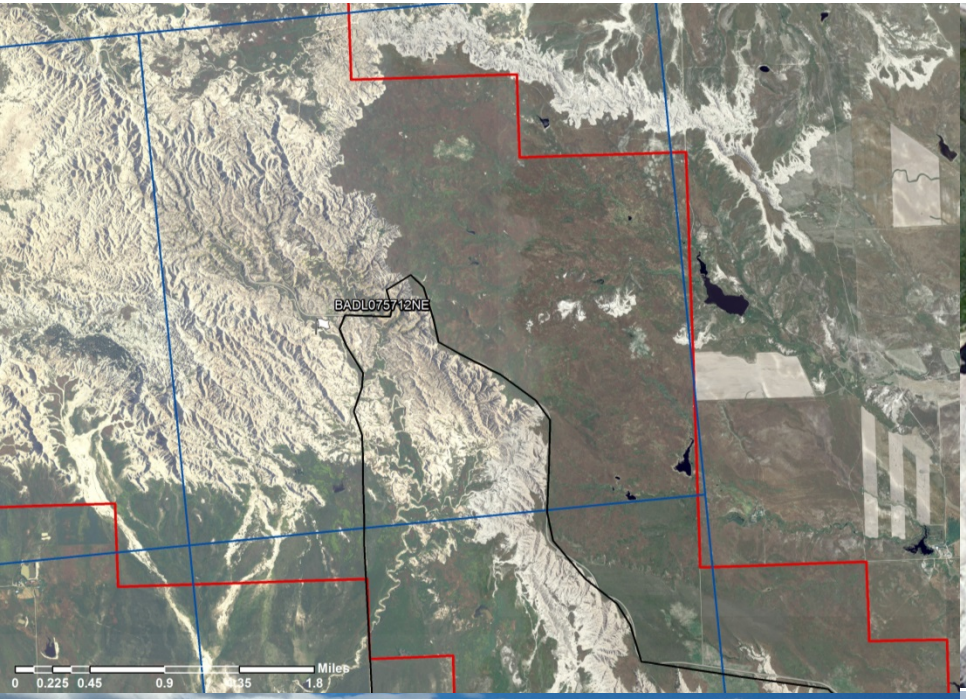


Sage Creek Campground (43.900200 -102.410160). Park where campground road comes closest to Sage Creek tributary. Overlooks tributary. Place in bottom of slightly wooded draw to minimize disturbance from bison.

BADL0775712 Cell

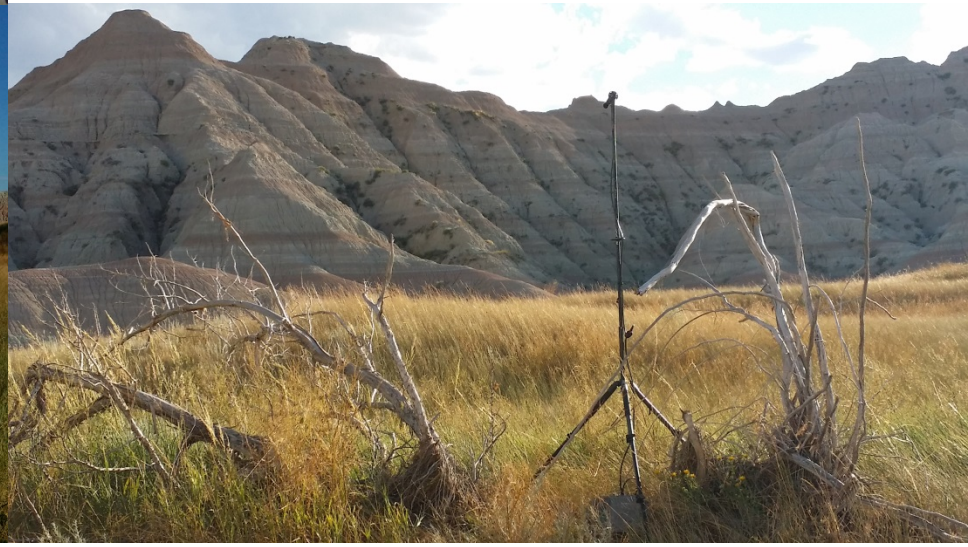


BADL075712NE



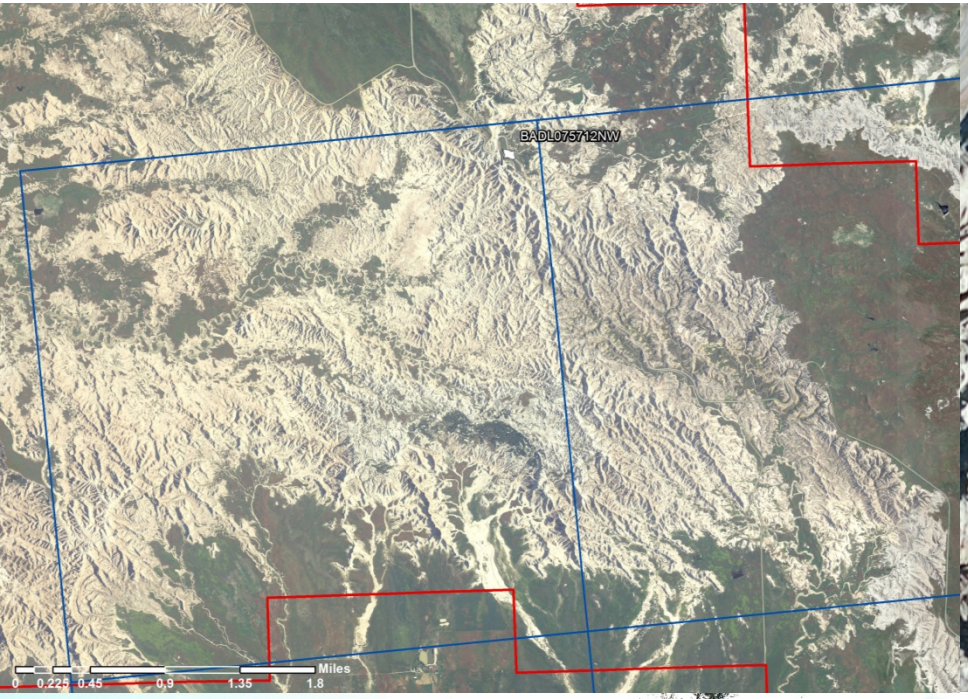






Junction Conata Basin Road (43.842853 -102.203313). Park about 0.15 miles west of junction of park road and Conata Base Road. Site can be seen from road, but is not highly noticeable. Place tripod in middle of dead wood next to drainage.

BADL075712NW



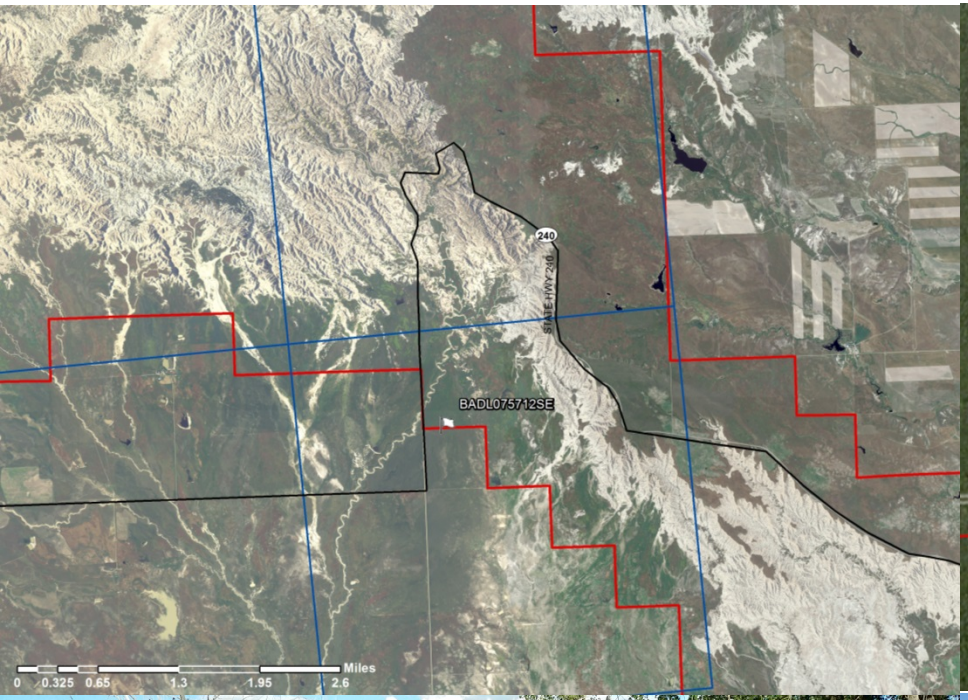






Ancient Hunters Overlook (43.865744 -102.227876). Park at Ancient Hunters Overlook. Site can be seen from road but is not highly noticeable if tripod is placed in shrubs.

BADL075712SE



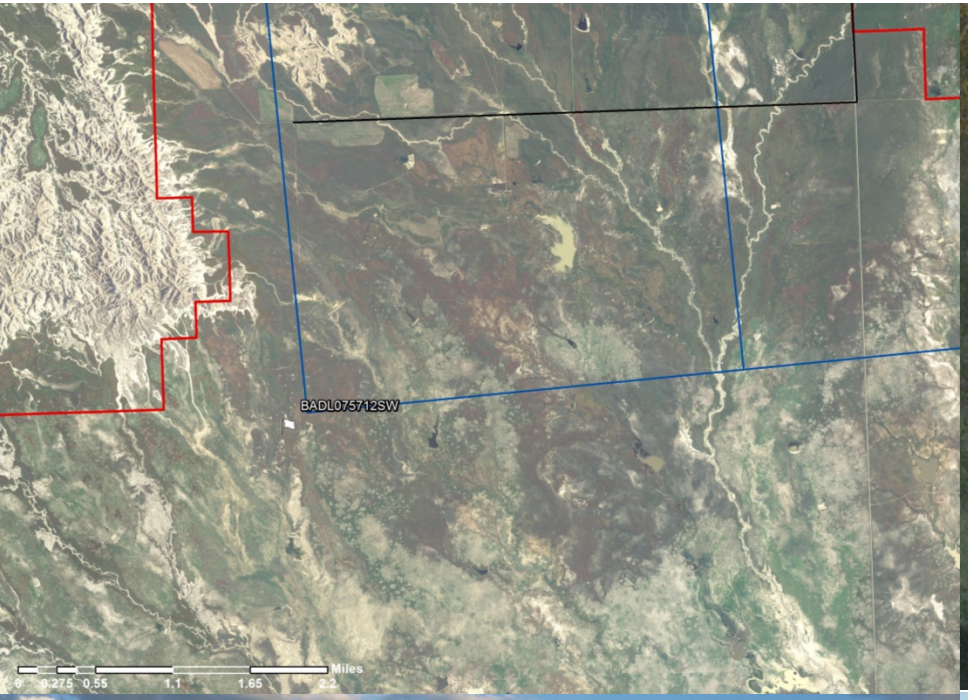






Dry Stock Pond (43.814102 -102.195152). Drive trail east from Conata Basin Road on trail that parallels park boundary. Jump fence to access site. Place on top of dike. Pond is dry in most years.

BADL075712SW



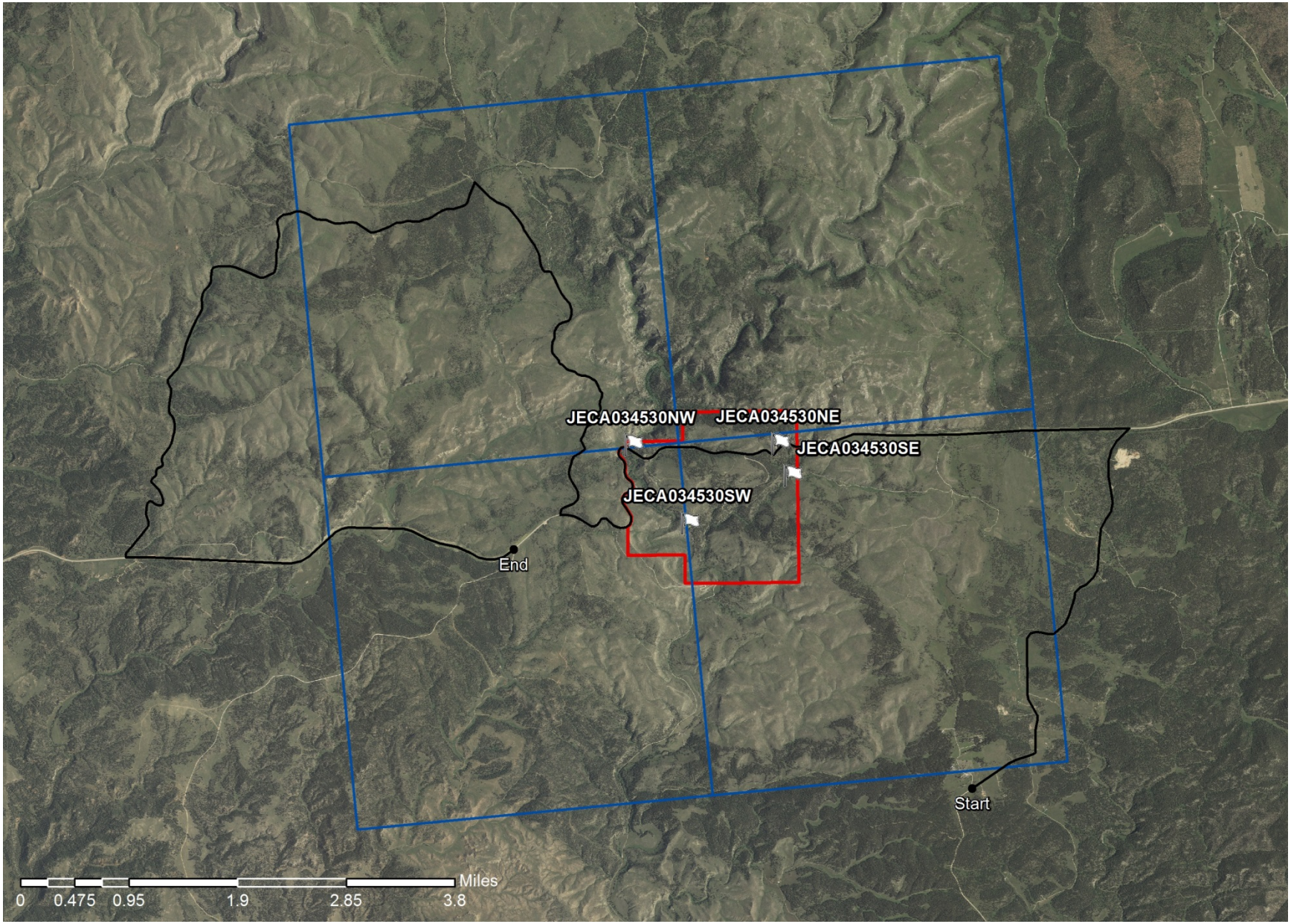




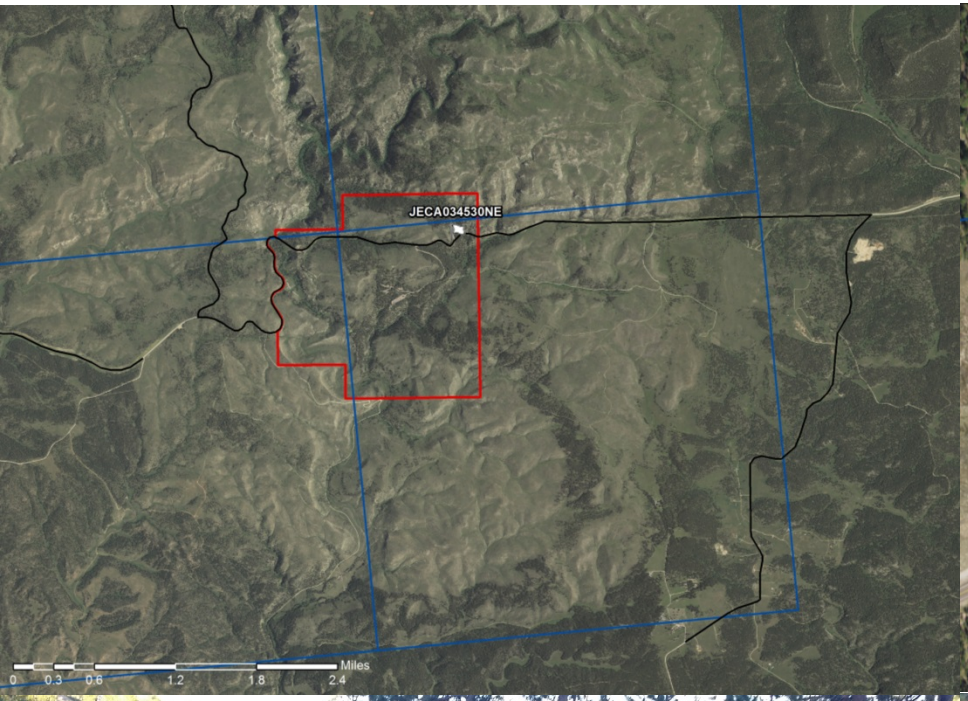


National Grassland Wetland (43.775116 -102.281097). Drive trail south about 2.1 miles from Huether Road. Station is actually just south of cell.

JECA034530 Cell



JECA034530NE



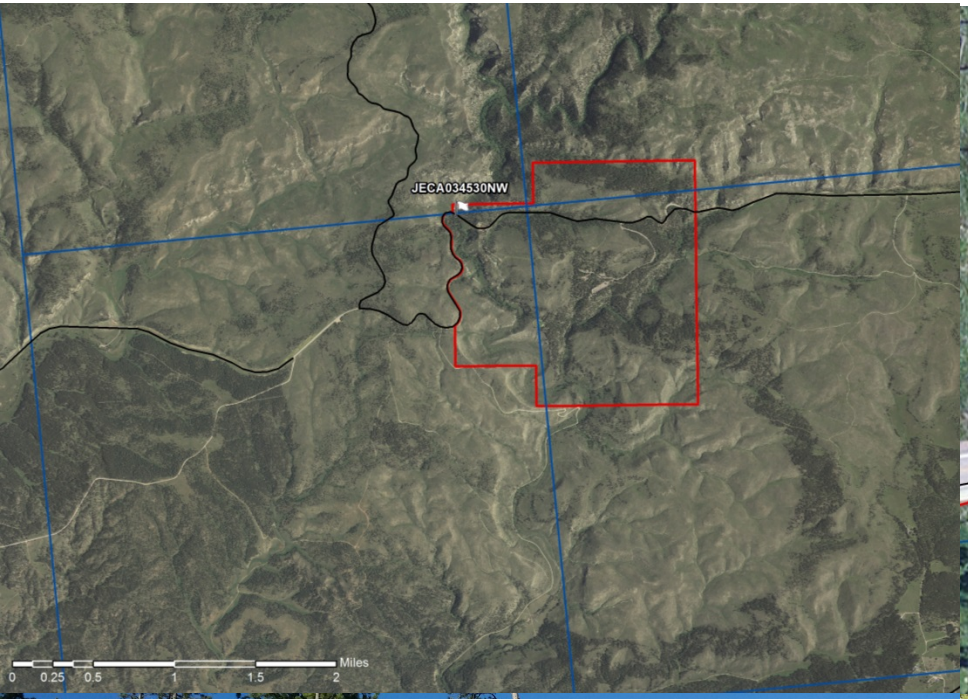


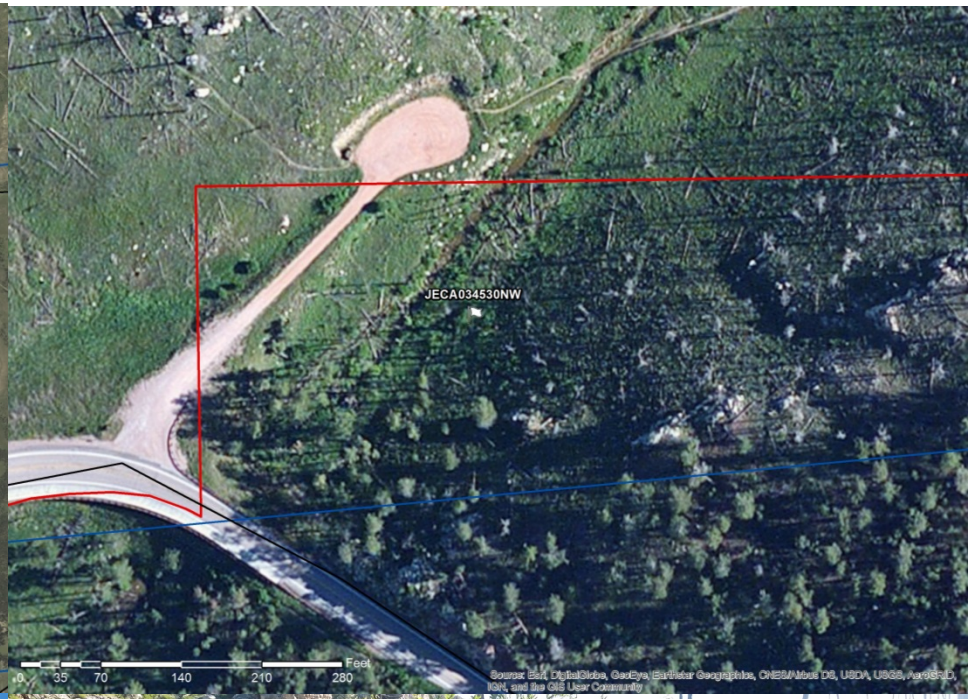




Highway Shoulder (43.737828 -103.819627). In disturbed area that was part of old highway route.

JECA034530NW



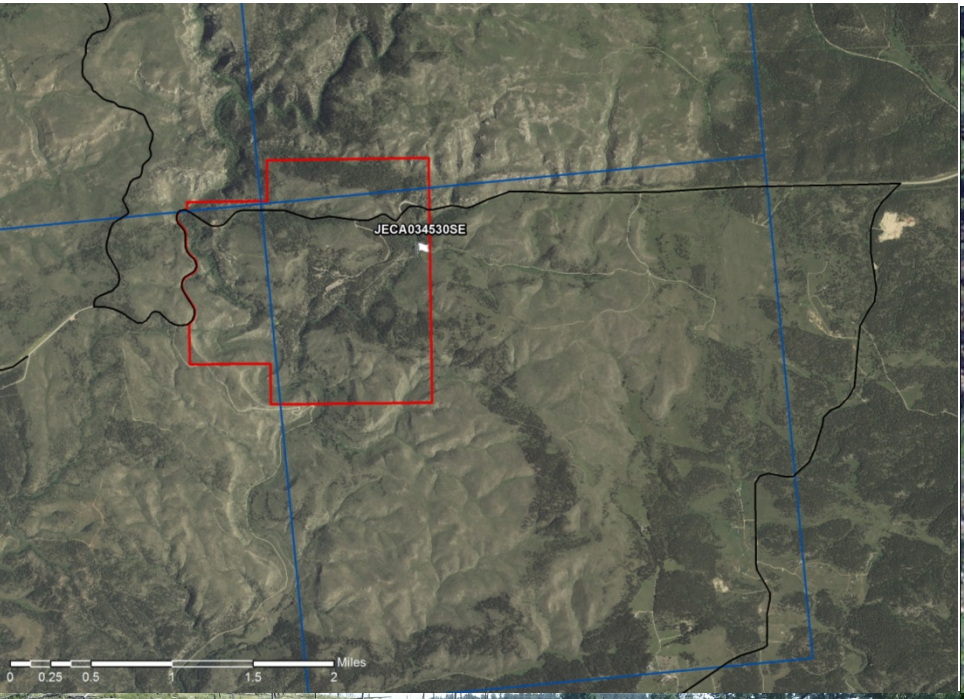






Hells Canyon (43.737917 -103.845278). At bottom of drainage just east of trail to parking area.

JECA034530SE



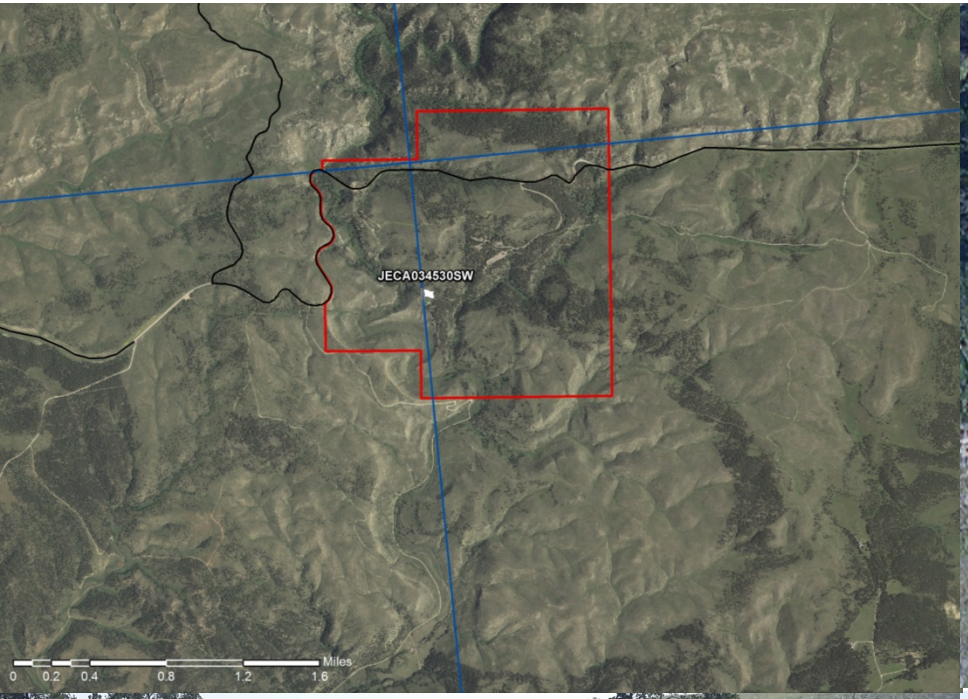


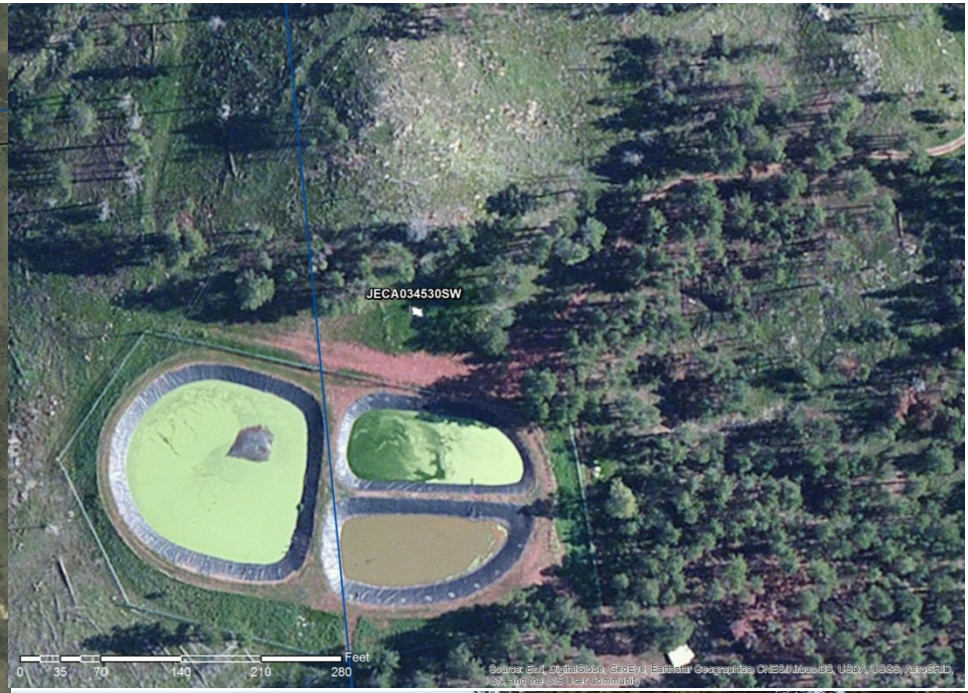




Lithograph Canyon (43.733763 -103.817510). On grassy slope just north of trail.

JECA034530SW



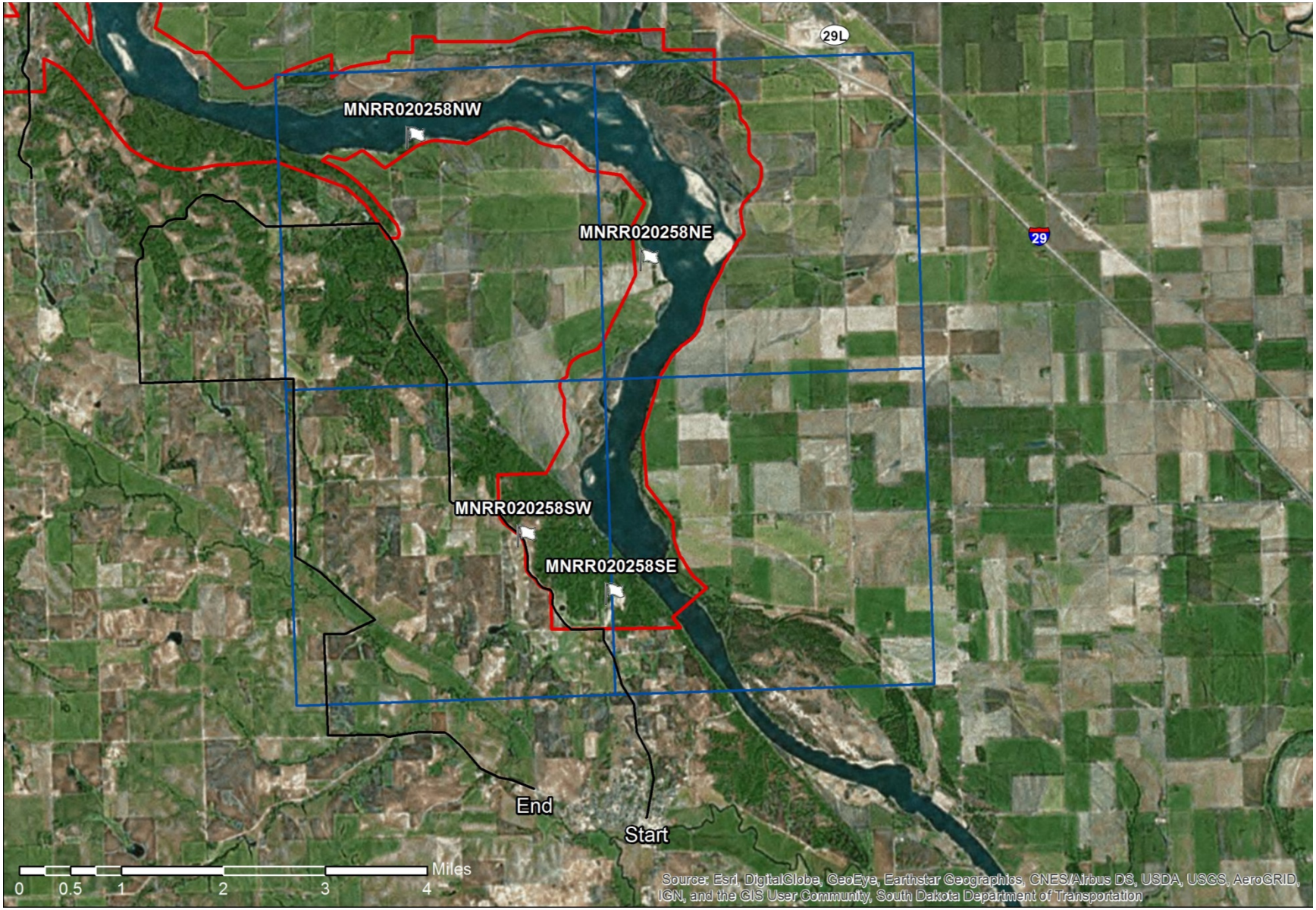






<u>Sewage Lagoon (43.727922 -103.835592).</u> On grassy slope north of sewage lagoon. Place over log.

MNRR020258 Cell



MNRR020258NE



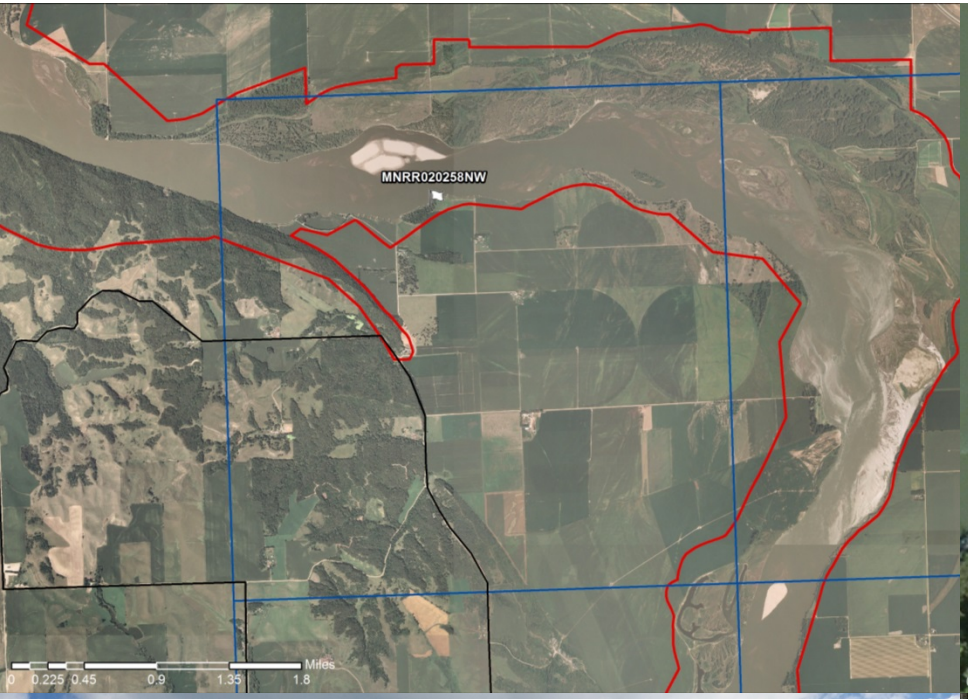






Elk Point WMA (42.641708 -96.702743). Located in Elk Point Wildlife Management Area managed by the State of Nebraska. Contact is Russ Hamer. Road might be blocked by gate. Landowner said okay to drive or walk on road.

MNRR020258NW



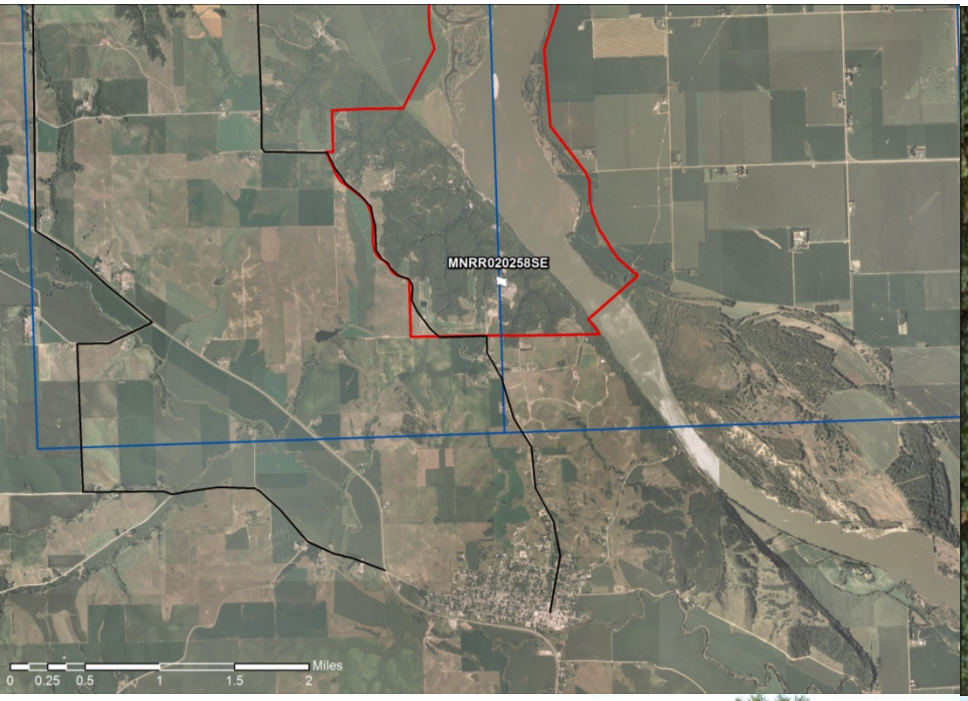




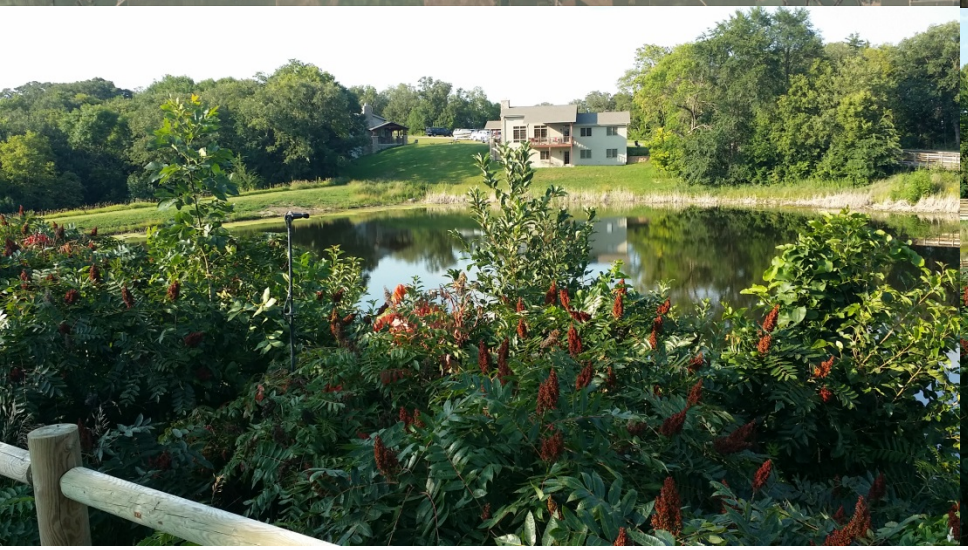


Boat Ramp (42.659980 -96.747032). Located along Missouri River. Unit of Ponca State Park. Contact is Jeff Fields (jeff.fields@nebraska.gov).

MNRR020258SE



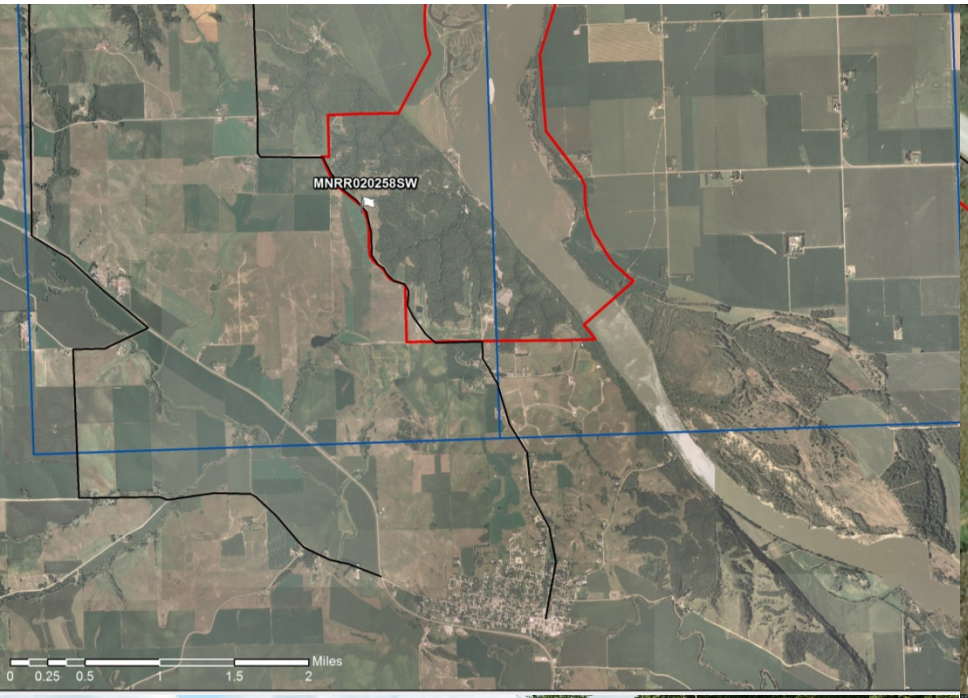






Park Wetland & Buildings (42.594549 -96.711170). On main unit of Ponca State Park in developed area. Contact is Jeff Fields (jeff.fields@nebraska.gov).

MNRR020258SW



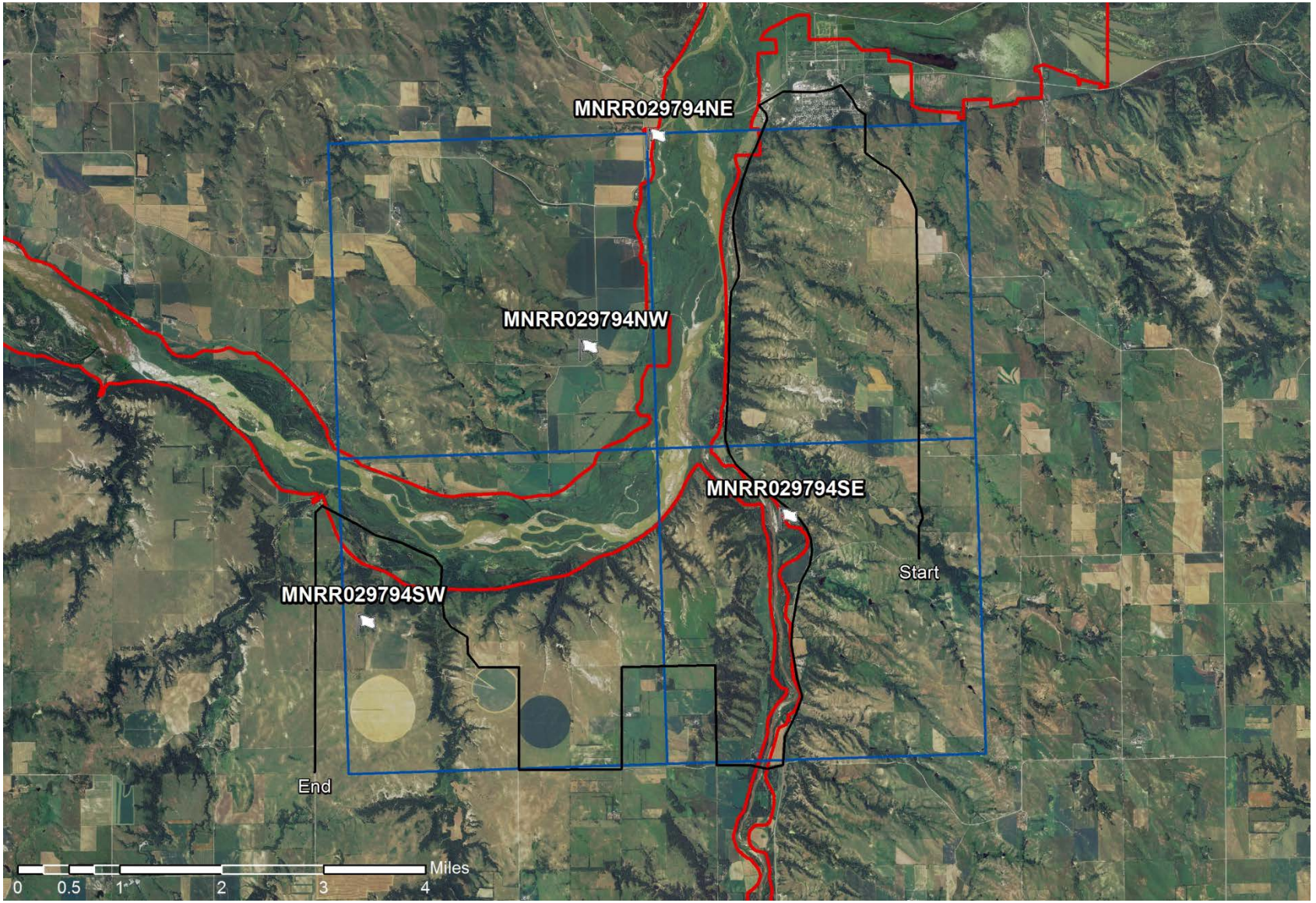




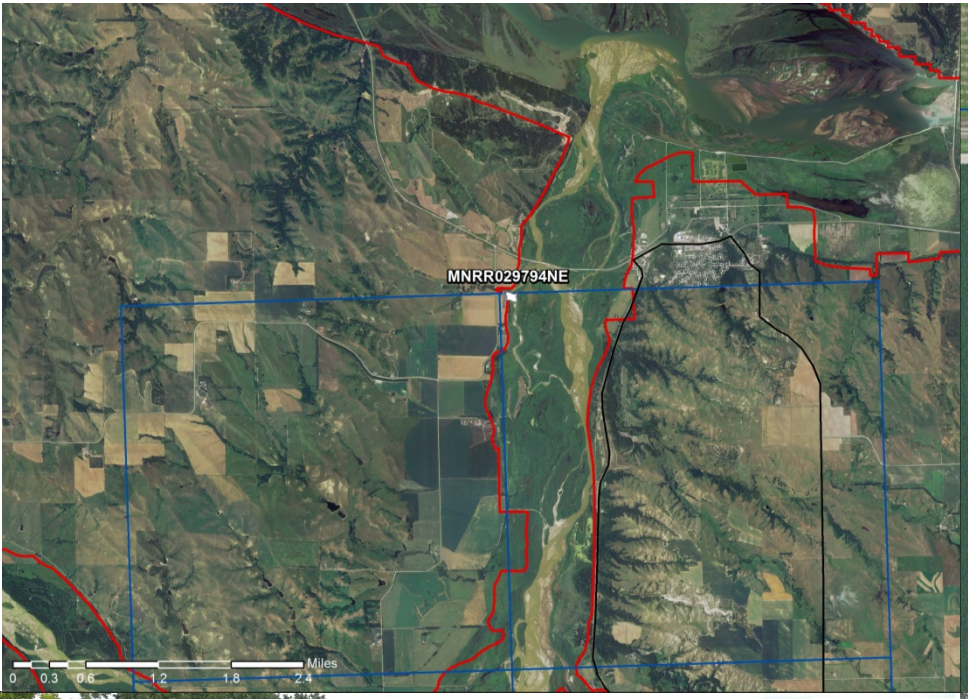


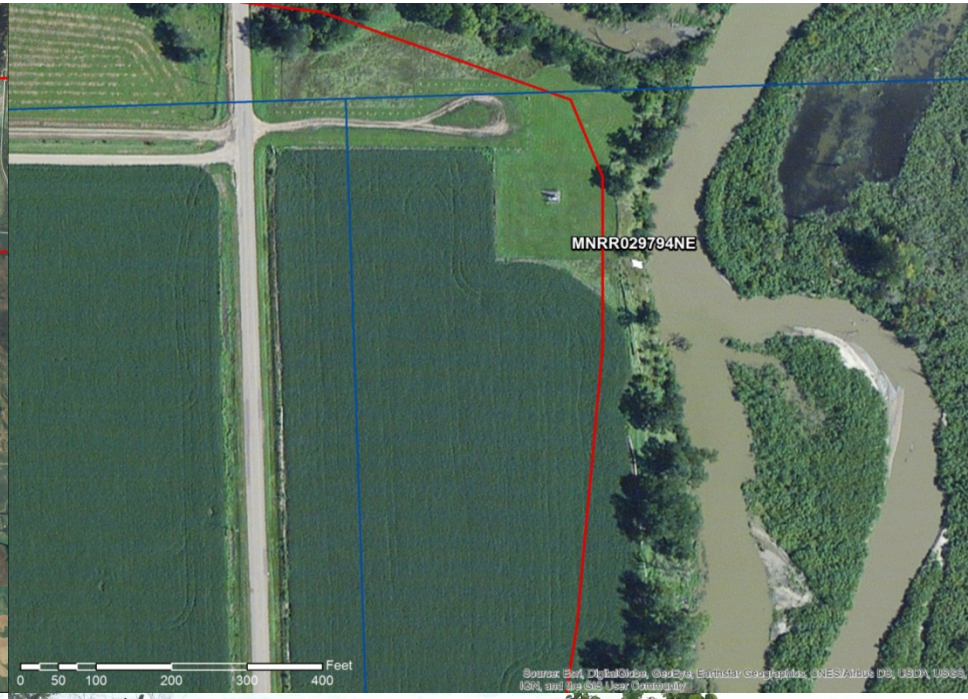
Watertower (42.603058 -96.727714). Watertower can be seen in the distance. Main unit of Ponca State Park. Contact is Jeff Fields (jeff.fields@nebraska.gov).

MNRR029794 Cell



MNRR029794NE



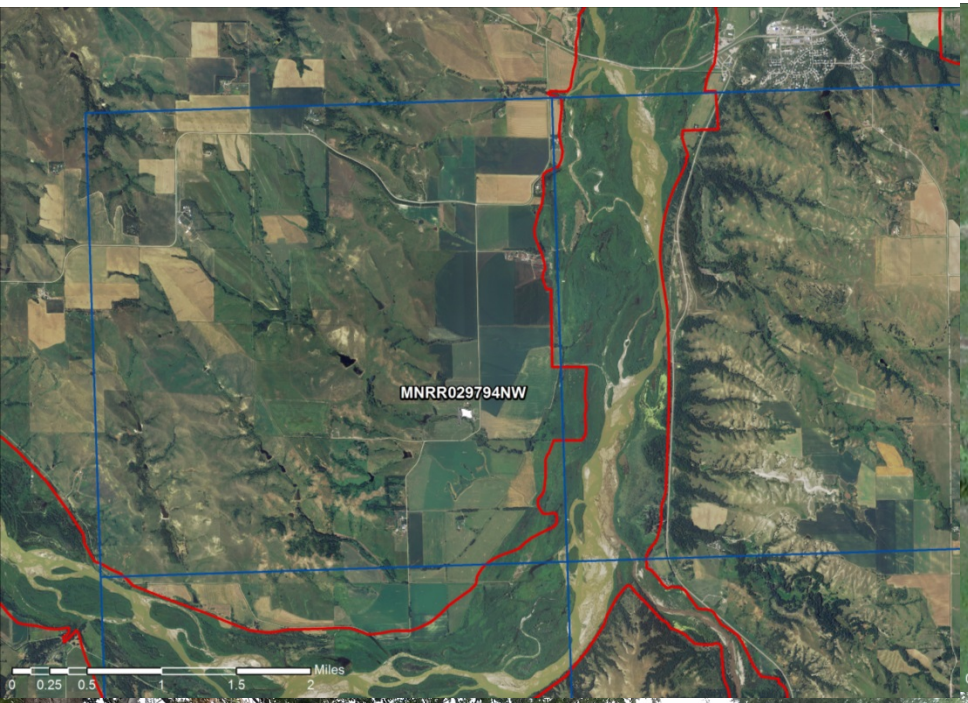






Mormon Monument (42.744045 -98.062874). Park in parking area for Mormon Monument and walk down to river bank.

MNRR029794NW



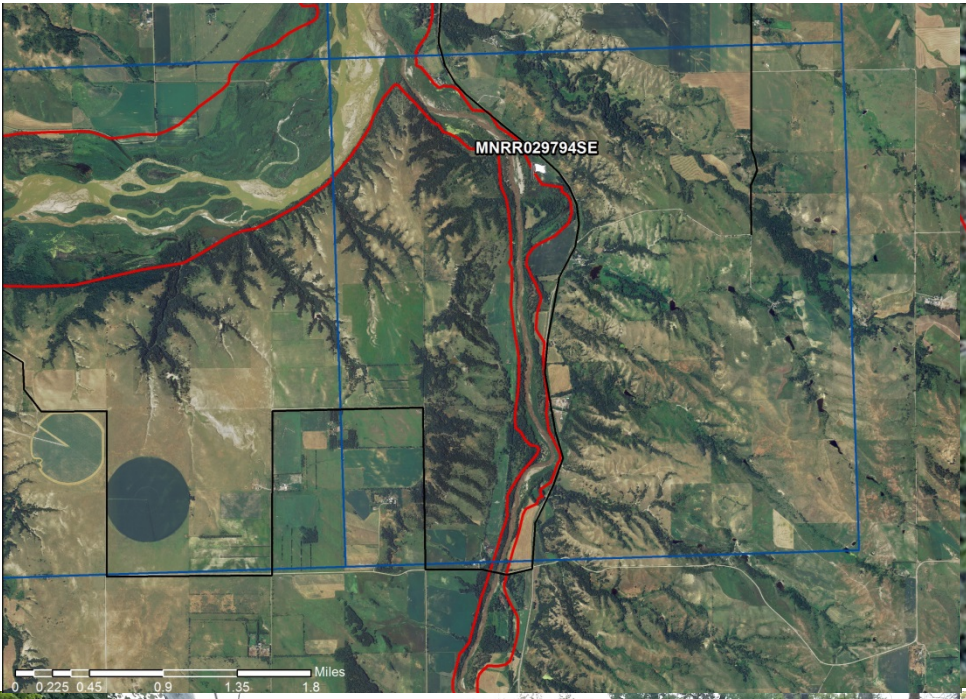






Ponca Headquarters (42.714199 -98.076385). On property of Ponca Tribe. Contact is Julia Sage, Environmental Manager for Tribe (402 857-3391: jsage@poncatribe-ne.org).

MNRR029794SE



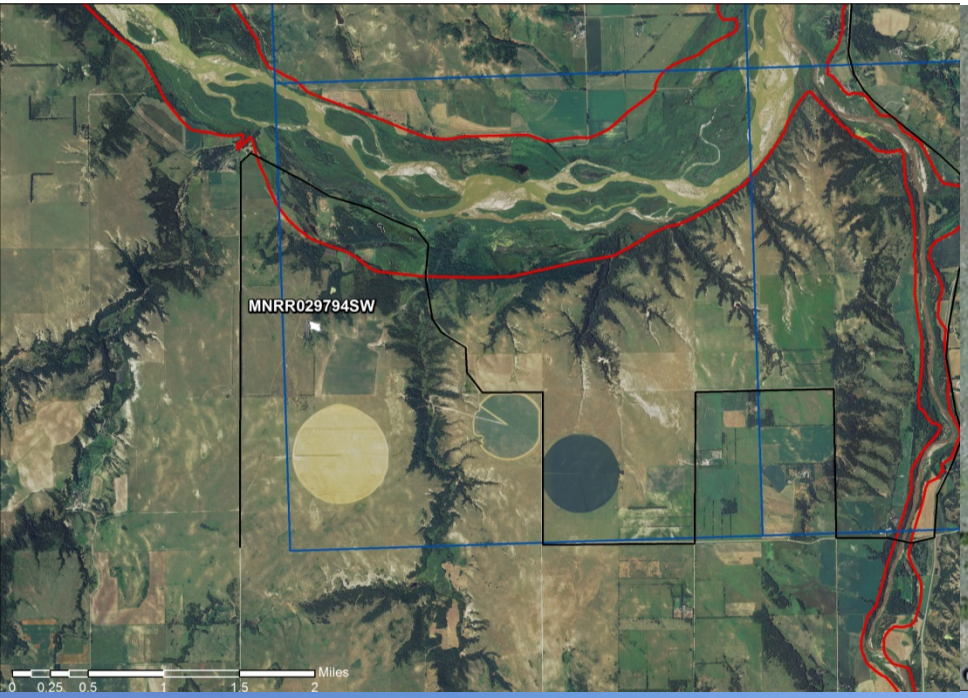






Hay Field (42.689915 -98.038261). On property of Jesse Krupicka (402 857-3885). Beware of poison ivy.

MNRR029794SW



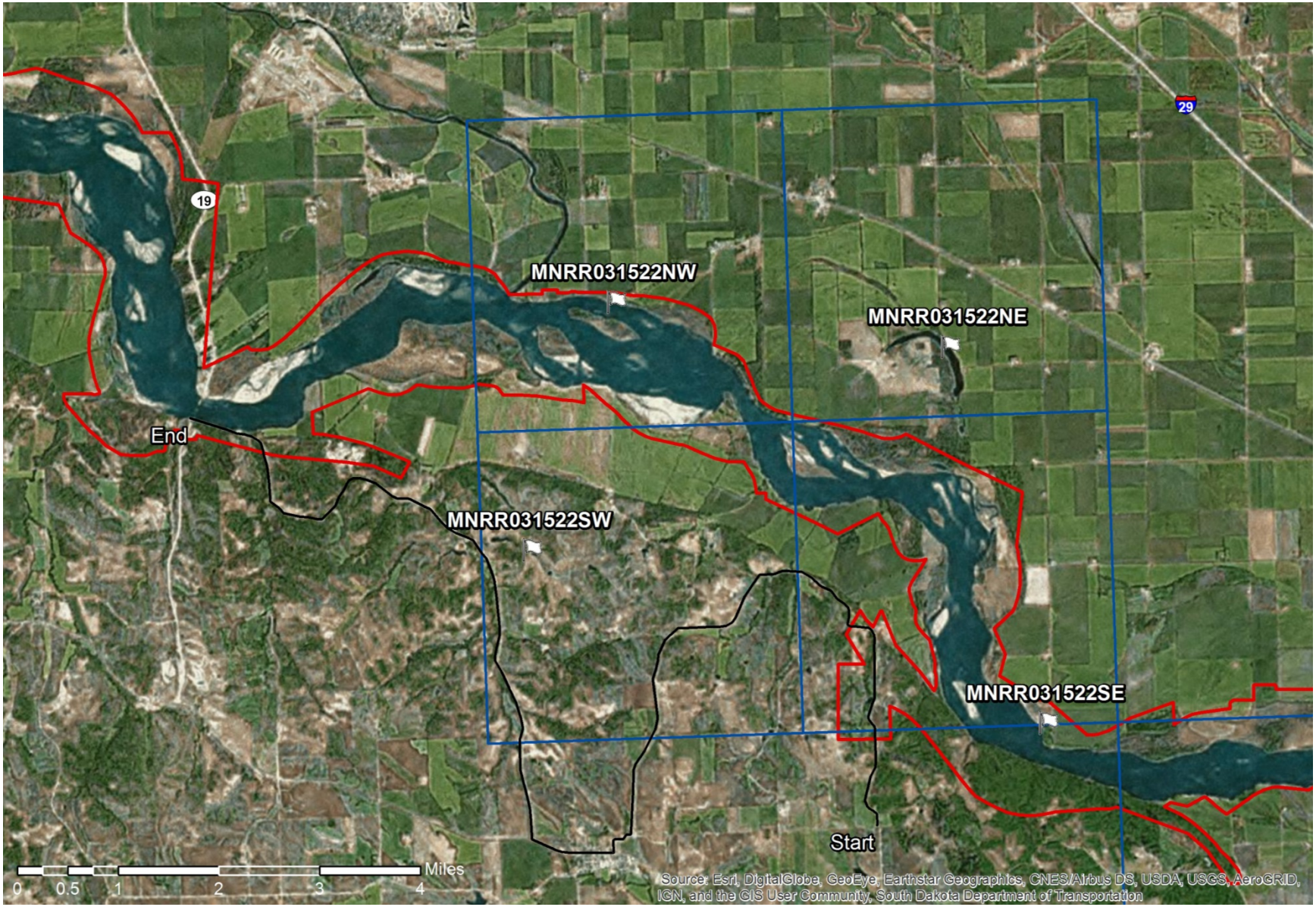






Bohemia WMA (42.675487 -98.119857). On Bohemia Wildlife Management Area owned by State of Nebraska. Established in 2016. We have permission to drive onto property. Contact is Lucas Negus (402 893-2559).

MNRR031522 Cell



MNRR031522NE



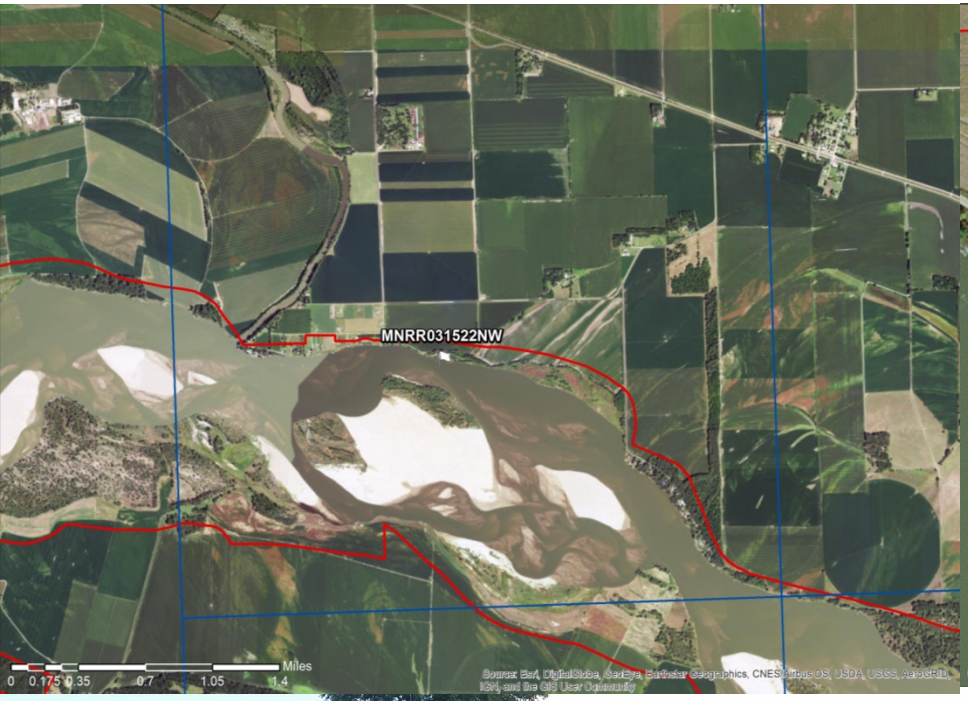






Burbank Lake (42.723850 -96.804442). Place unit on steep vegetated slope below road.

MNRR031522NW



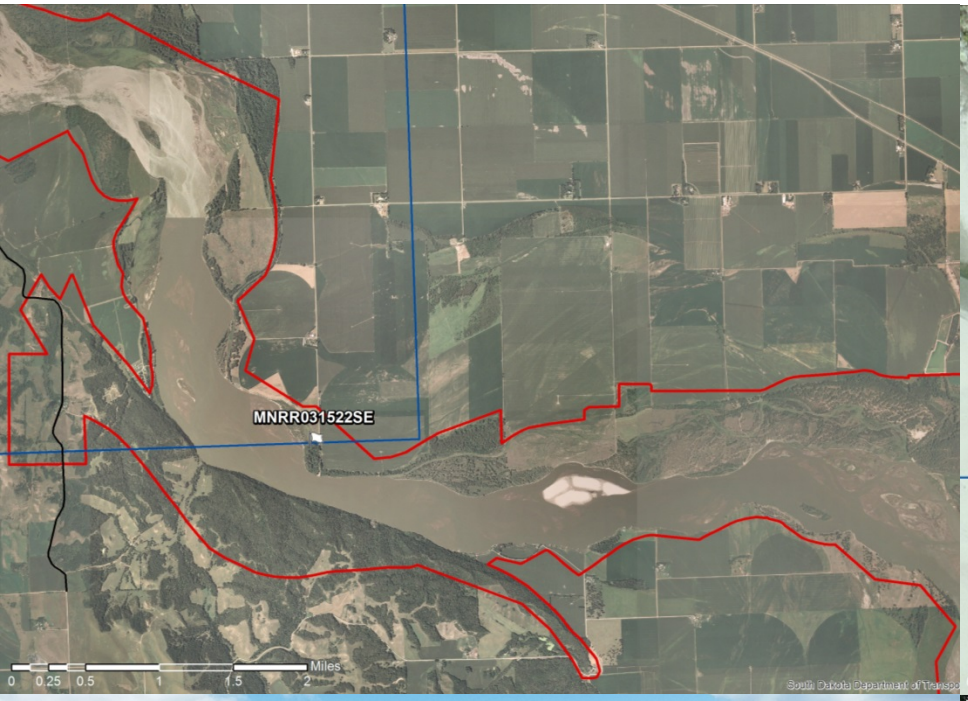






Missouri River Bank (42.731488 -96.869317). On private property, believed owned by Richard Bennett. Lives on property in trailer next to vegetable garden.

MNRR031522SE



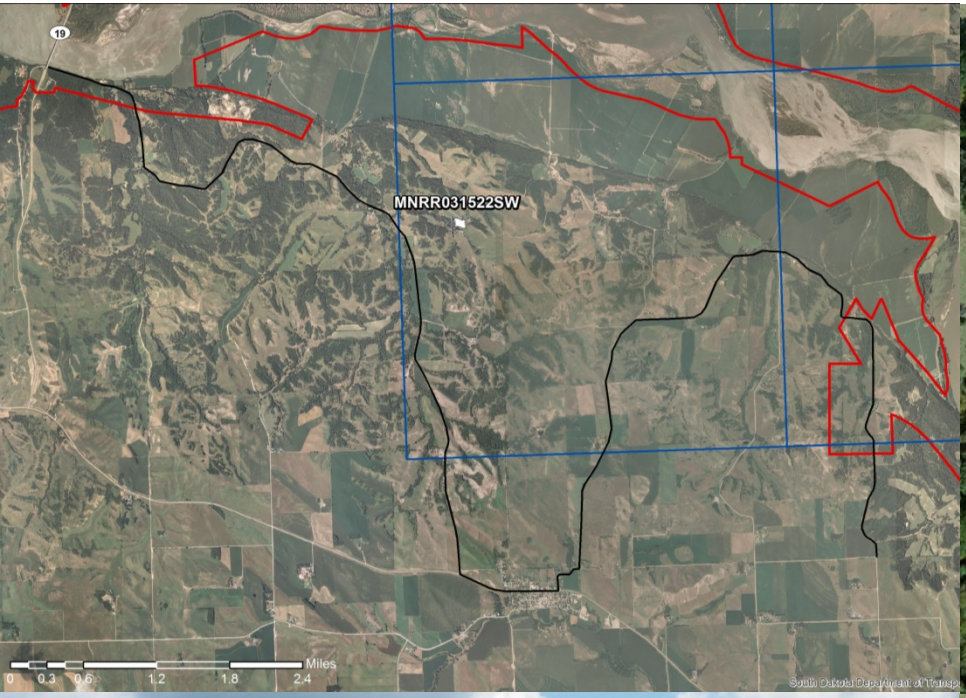






State WMA Beach Access (42.669472 -96.787201). On South Dakota Game Fish & Parks land. Contact is Shane Bertsch (shane.bertsch@state.sd.us).

MNRR031522SW



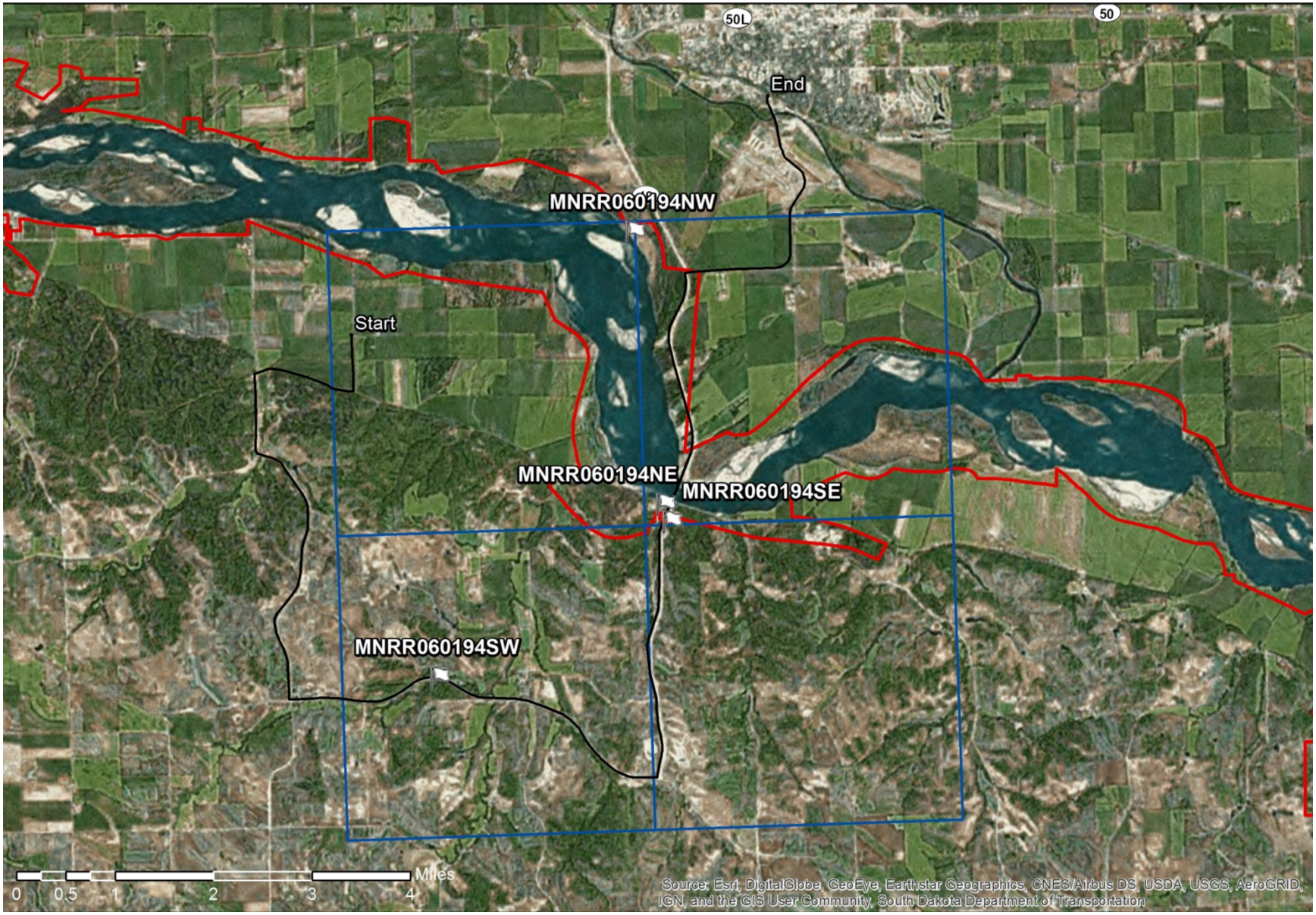




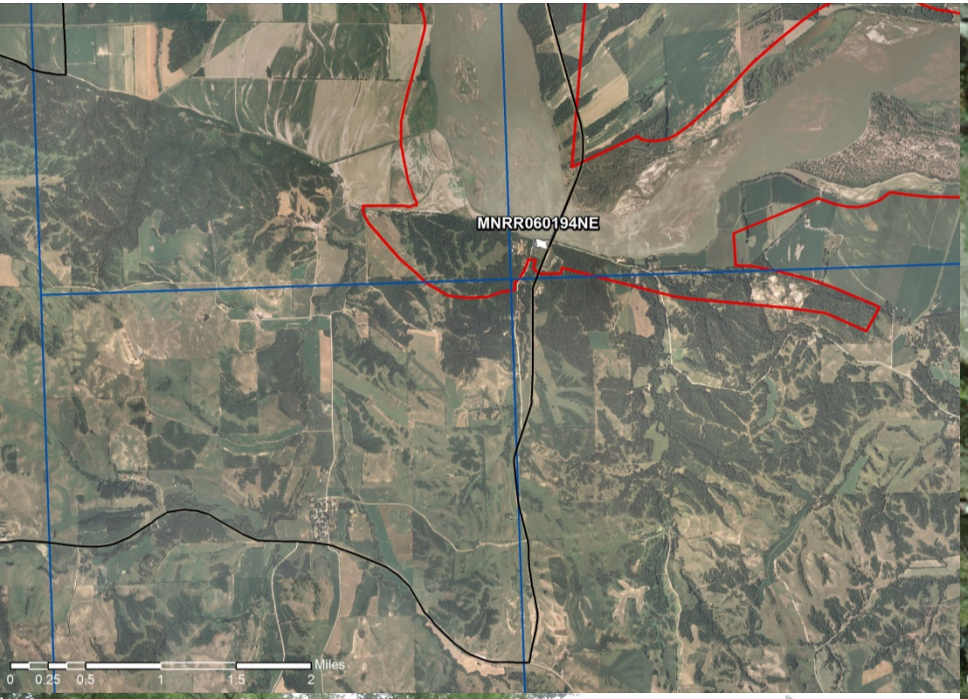


Private Ranch (42.696278 -96.887024). Was property of Janine Stewart. New owner is B. J. Robinson (work cell is 507 340-3979). Street address is 5825 Avenue, Newcastle NE. Park by residence and ask for permission.

MNRR060194 Cell



MNRR060194NE



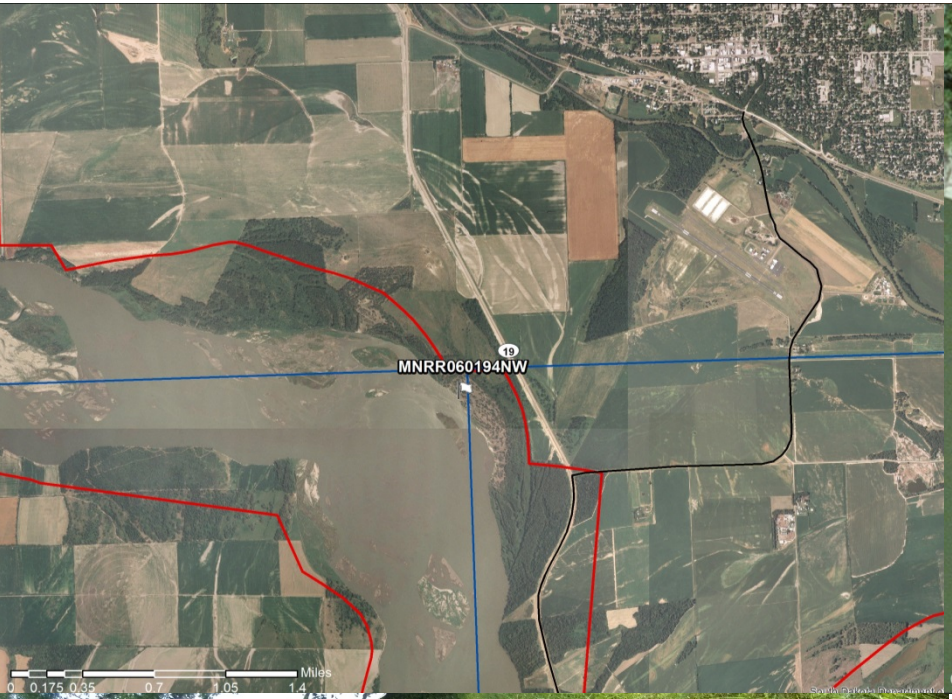






Mulberry Point North (42.715911 -96.954200).

MNRR060194NW



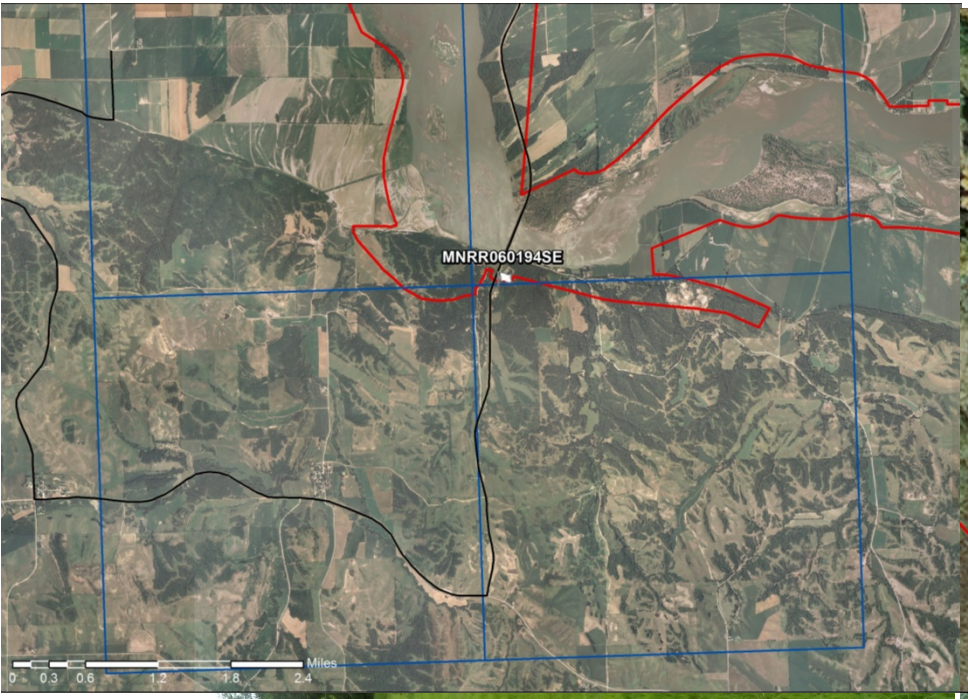






DOD Land by River (42.756008 -96.959008). Contact was Linda Filo (605 290-6479, linda.a.filo@usace.army.mil).

MNRR060194SE









Mulberry Point South (42.713367 -96.952989). On NPS land.

MNRR060194SW



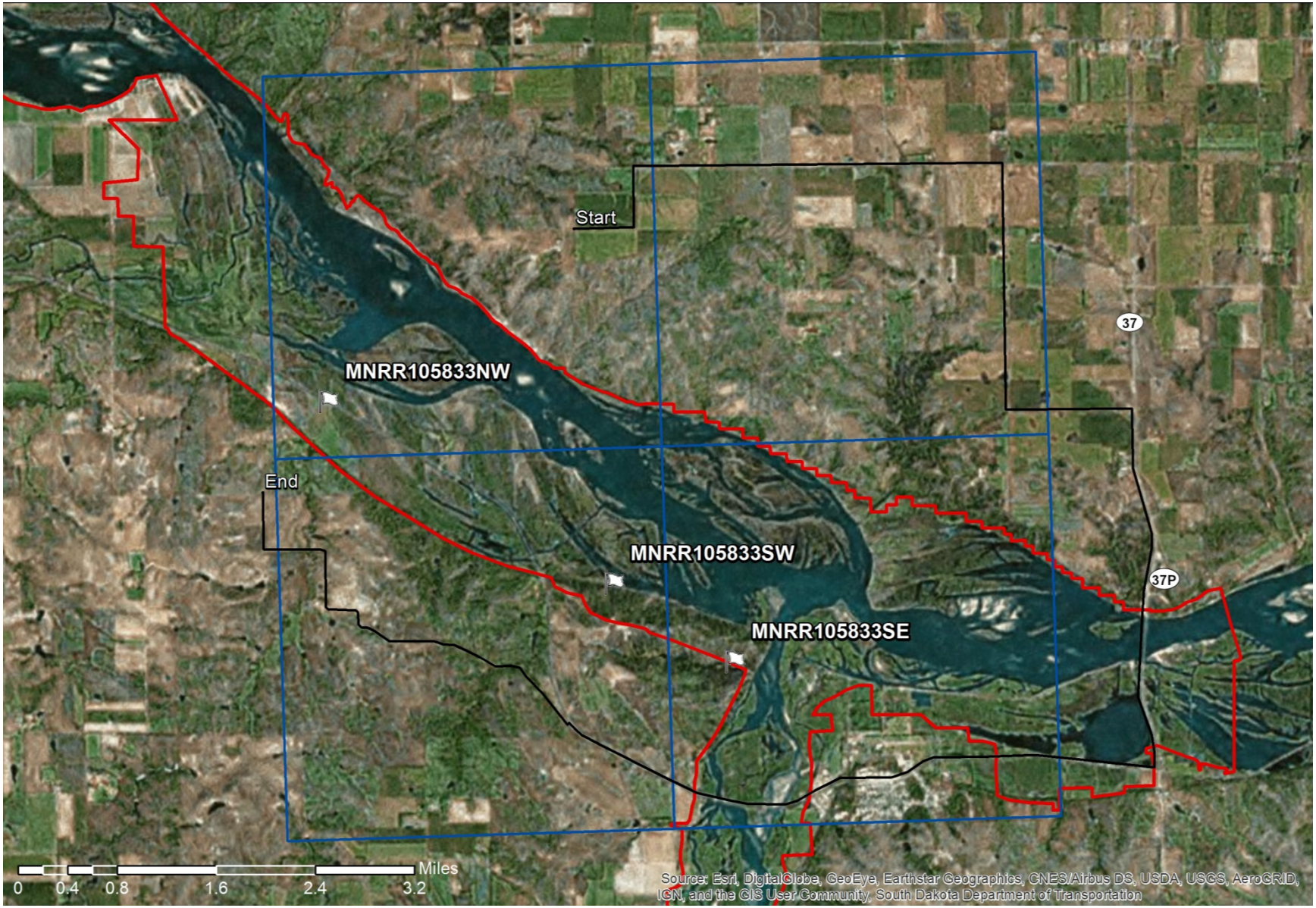




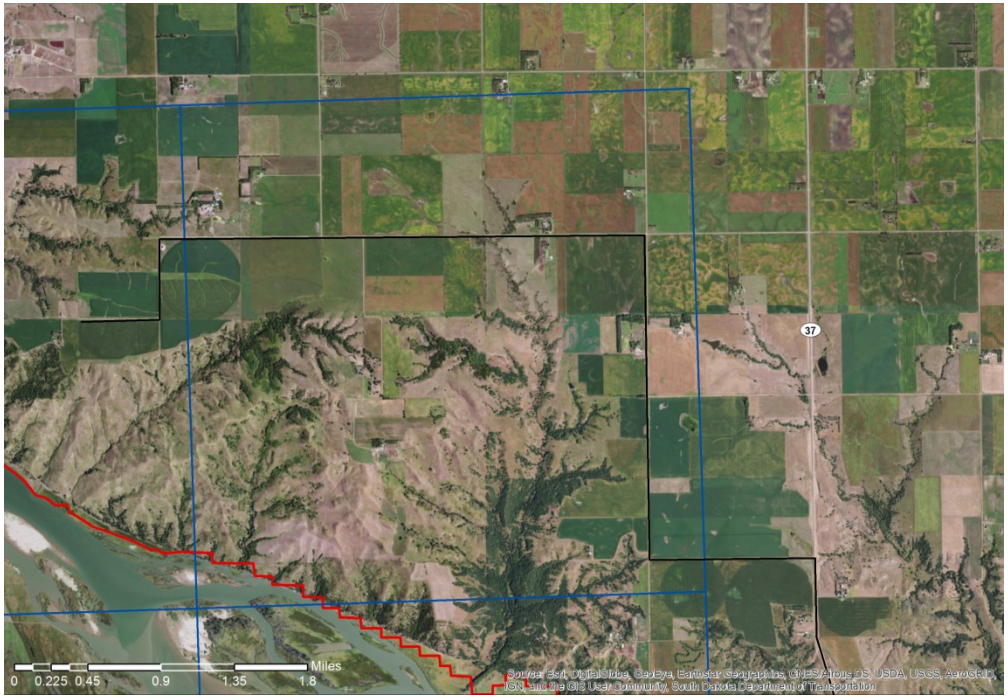


Road Ditch (42.691294 -97.000006). Site was established in 2015.

MNRR105833 Cell

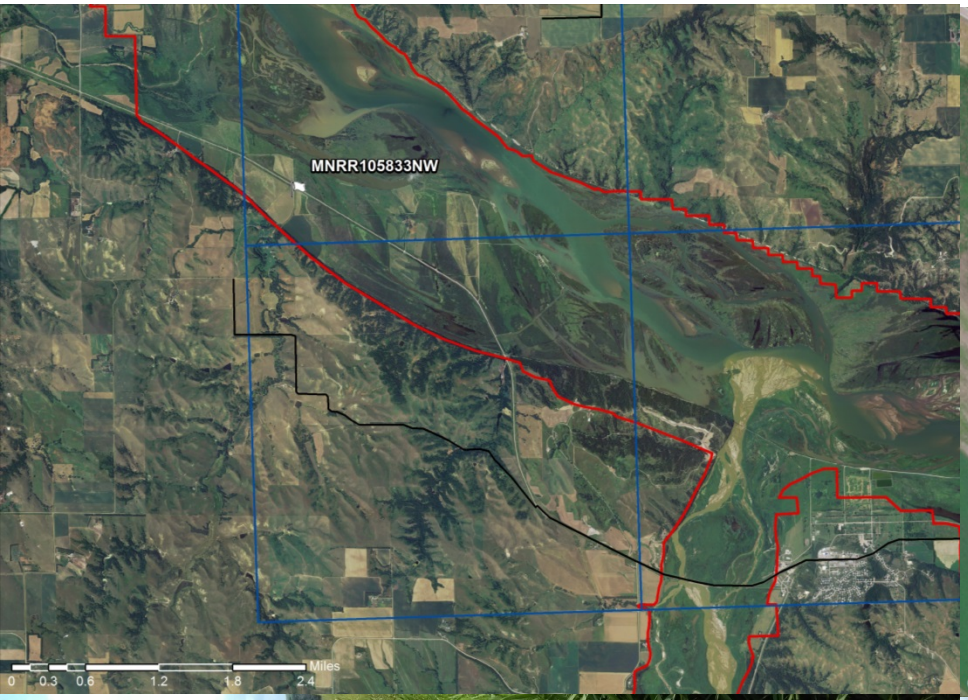


MNRR105833NE



No site established.

MNRR105833NW



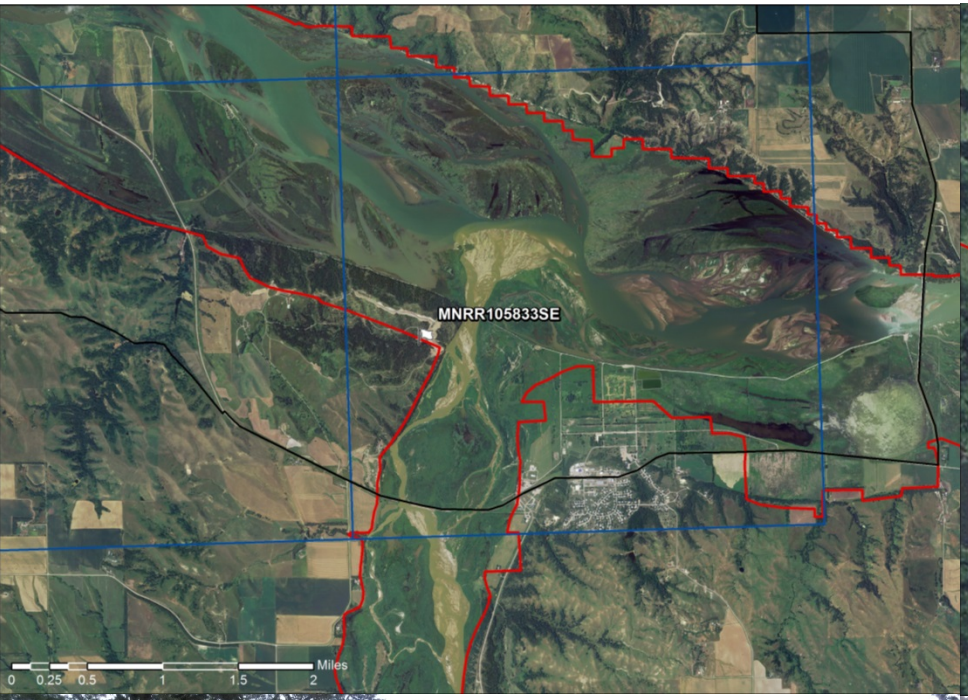


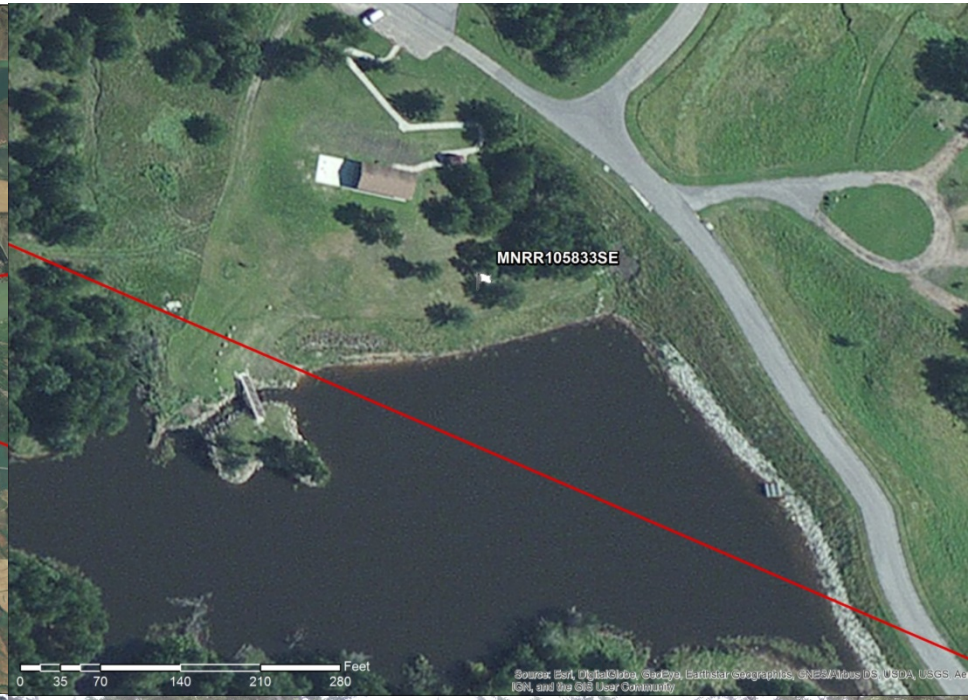




Road in Cropland (42.795150 -98.118872). Site was established in 2015.

MNRR105833SE



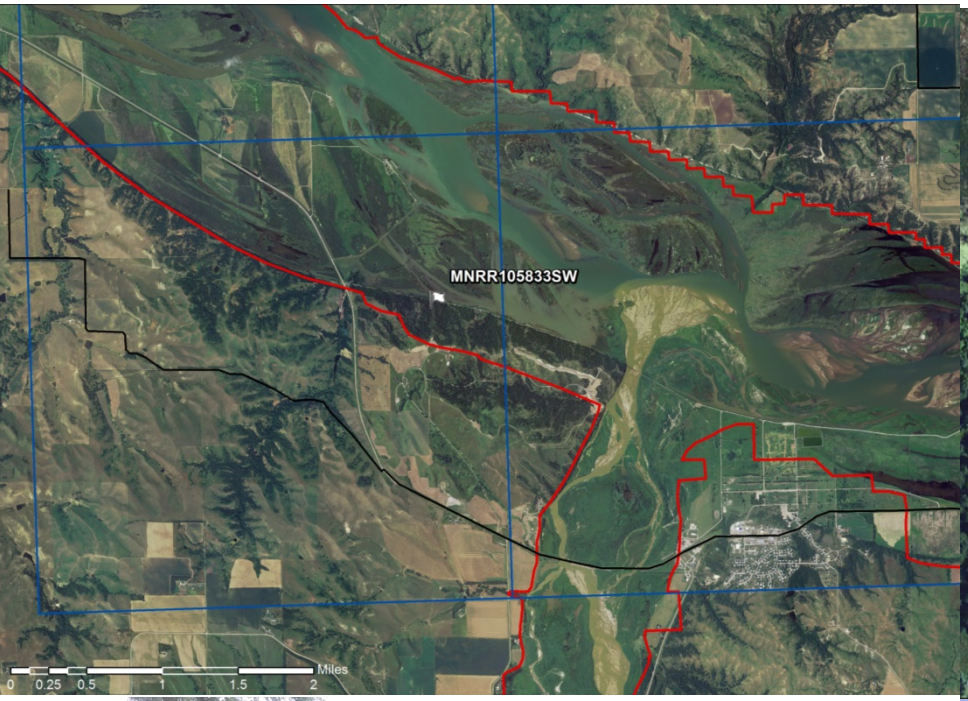






Niobrara SP Pond (42.764267 -98.054803). Site was established in 2015.

MNRR105833SW



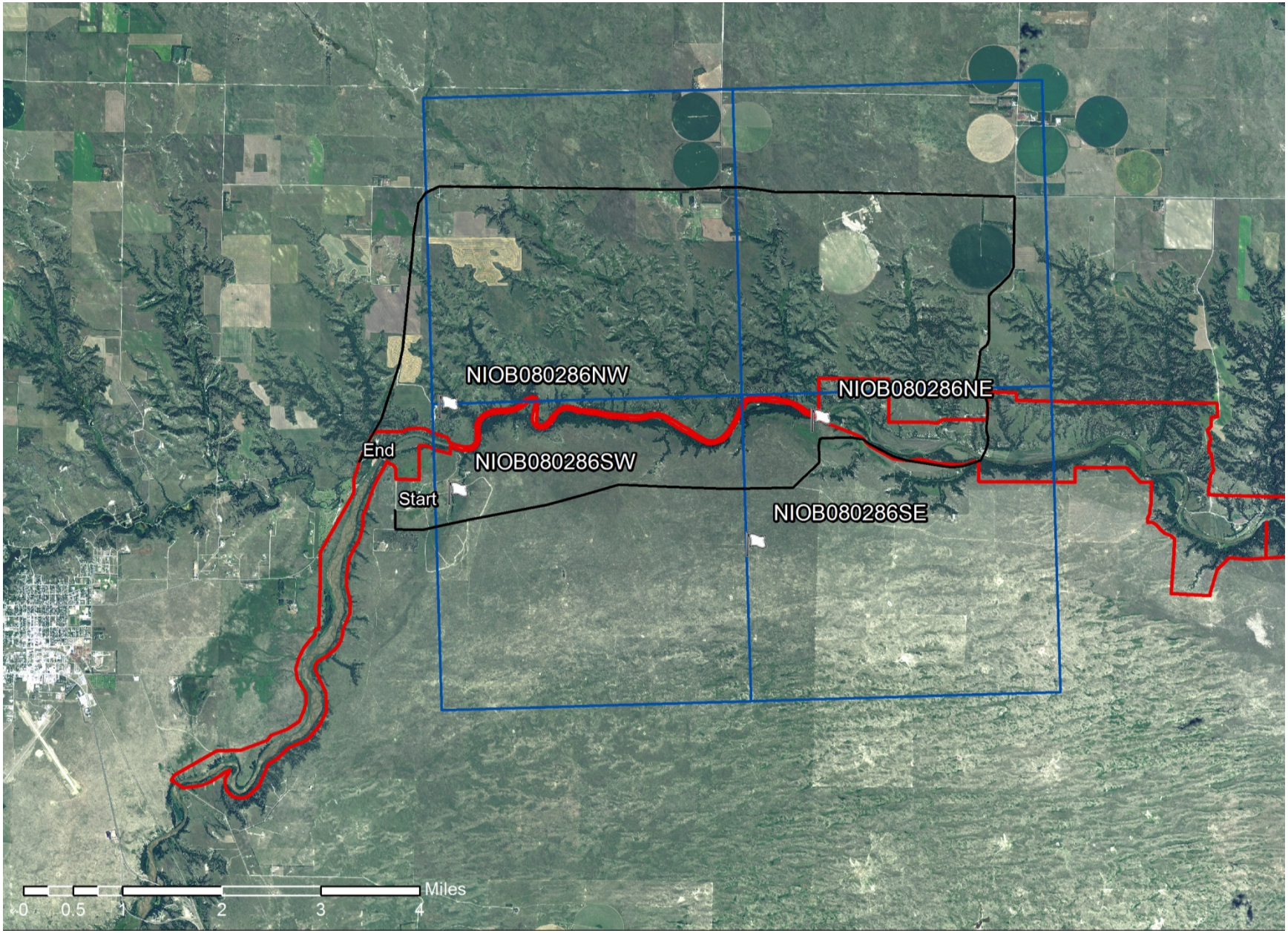




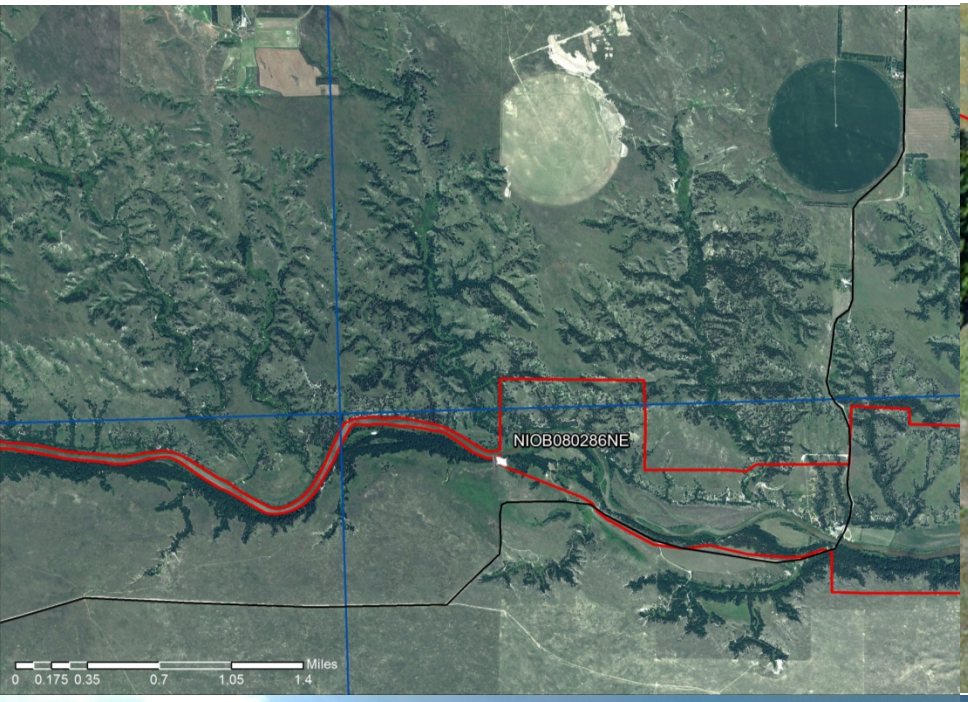


Niobrara SP River (42.773533 -98.073836). Site was established in 2015.

NIOB080286 Cell



NIOB080286NE



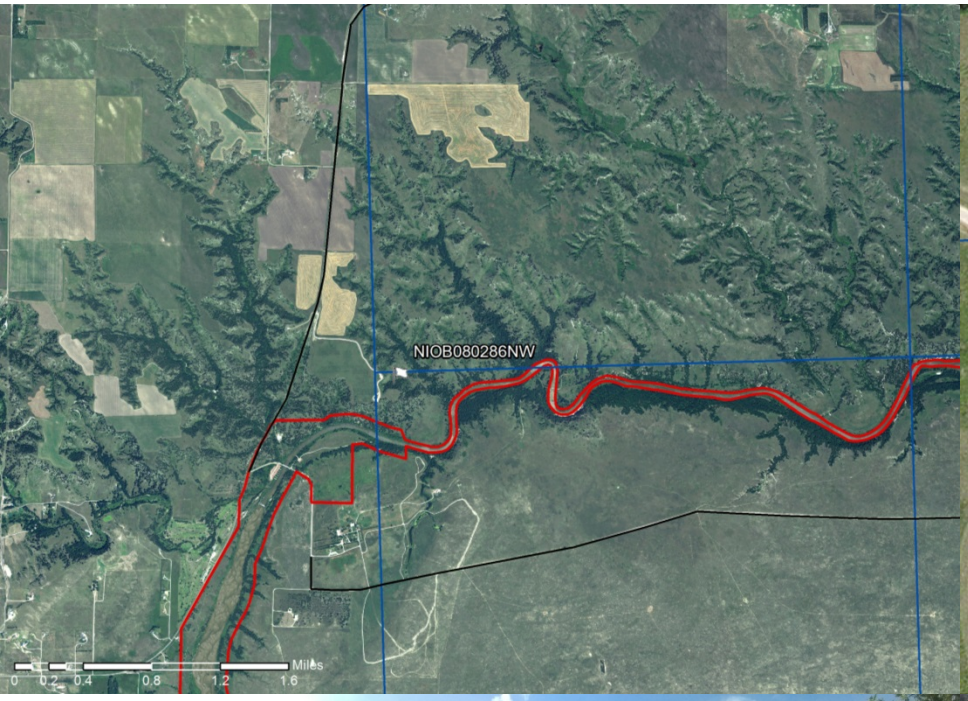






Bluff Over Niobrara River (42.907044 -100.395447). On Fort Niobrara NWR. Site was established in 2015.

NIOB080286NW



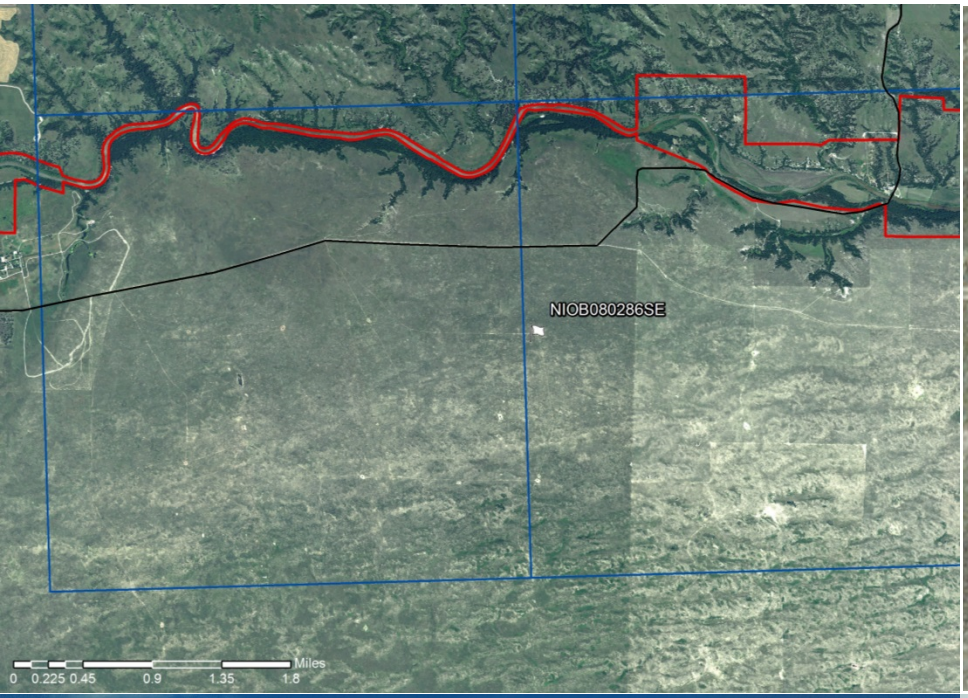






Rolling Hills (42.908164 -100.469550). On Fort Niobrara NWR. Site was established in 2015.

NIOB080286SE



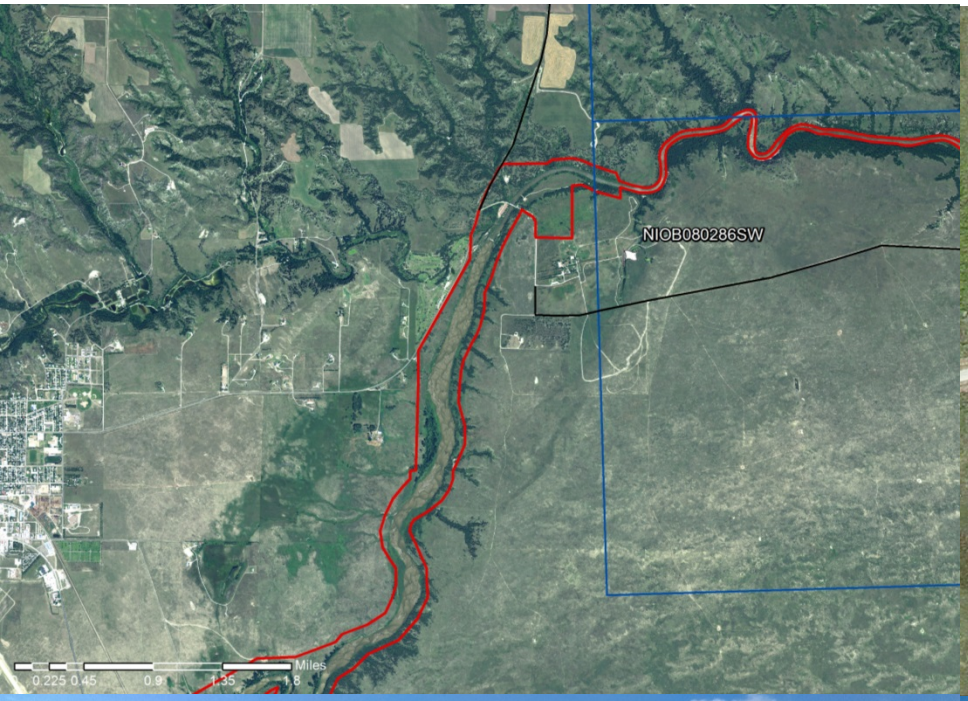


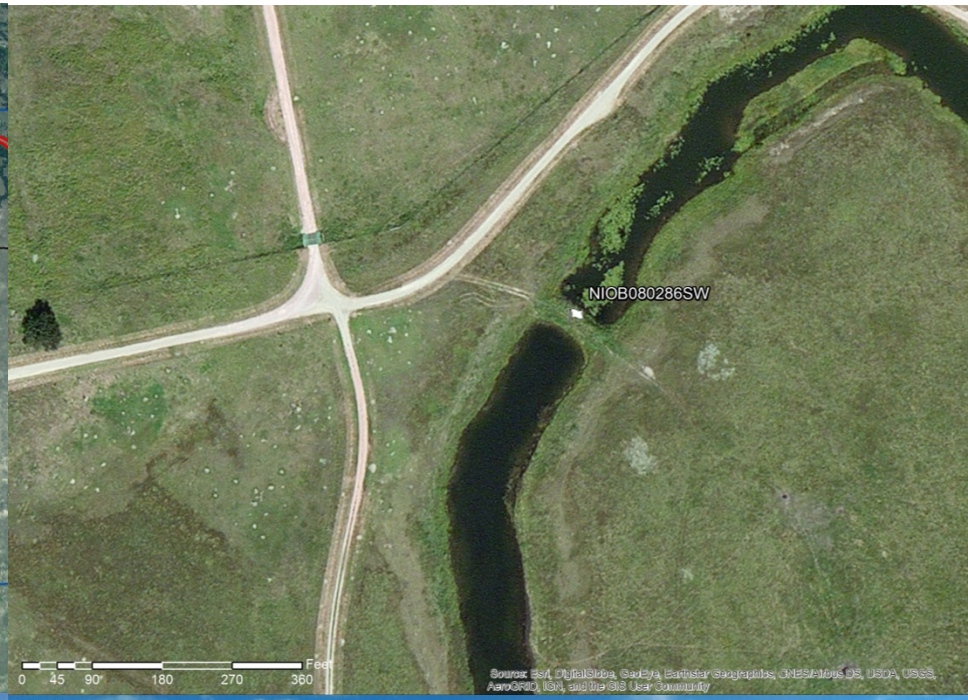




Stock Tank (42.888744 -100.407881). On Fort Niobrara NWR. Site was established in 2015. Station was destroyed by animals in both 2015 and 2016.

NOIB080286SW



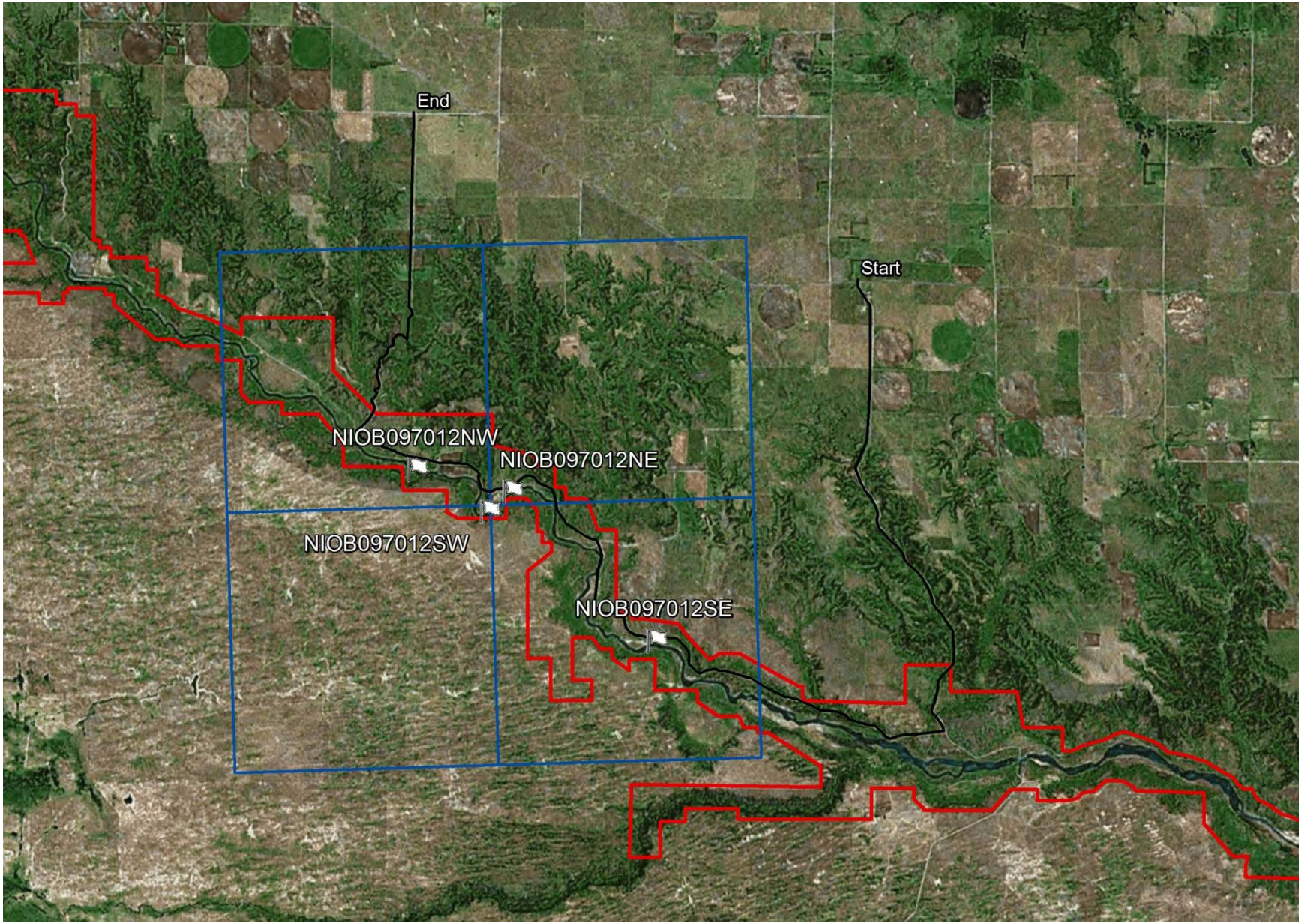




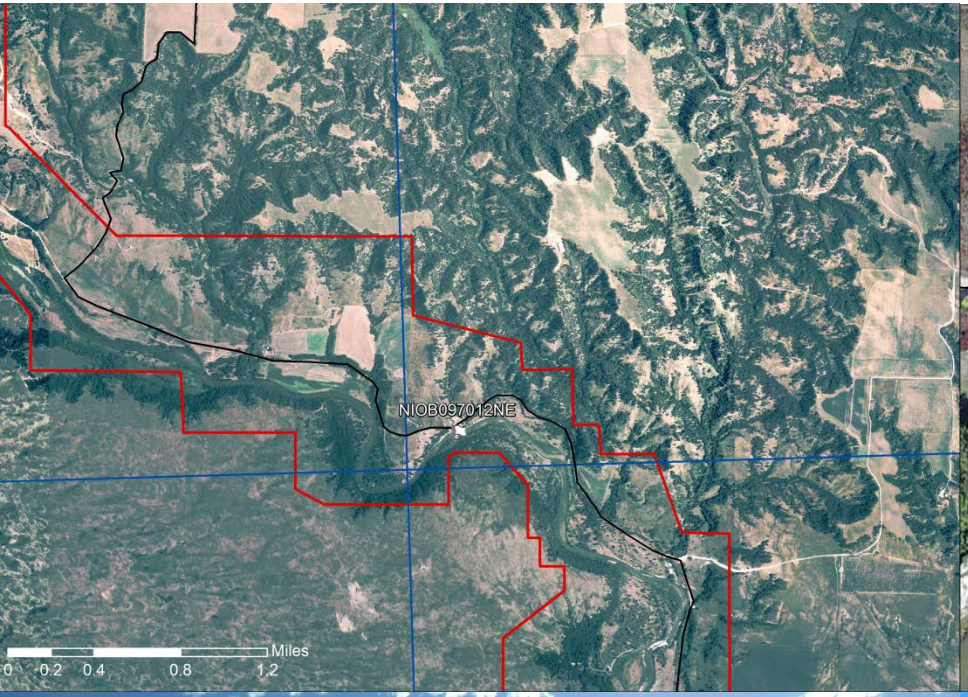


Headquarters Ponds (42.895503 -100.467422). Site was established in 2015.

NIOB097012 Cell



NOIB097012NE



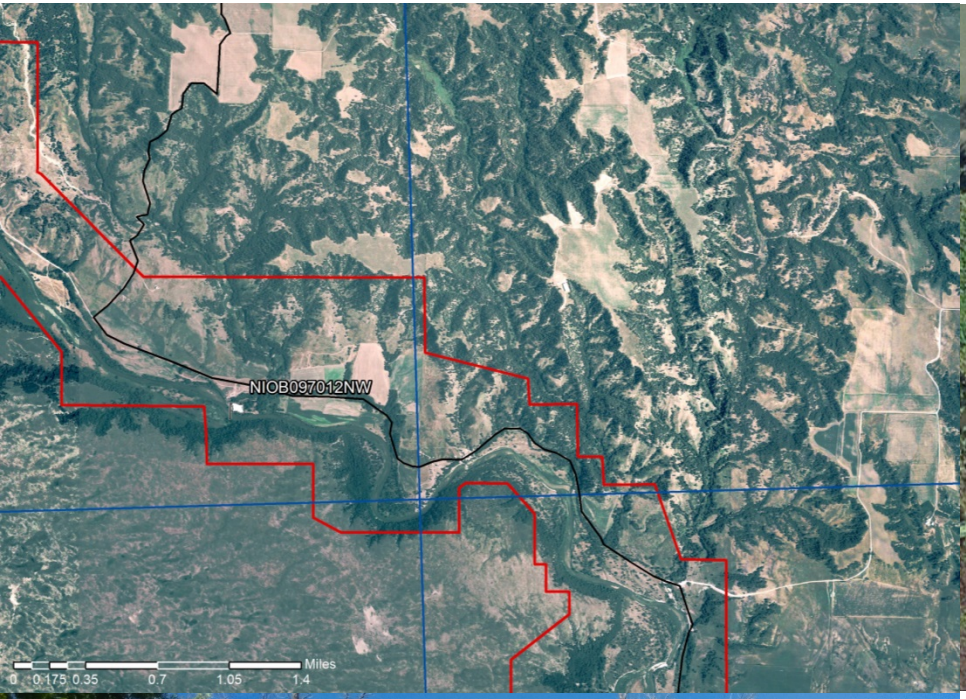






Rocky Ford Rapids (42.831558 -100.154739). Site was established in 2015.

NOIB097012NW



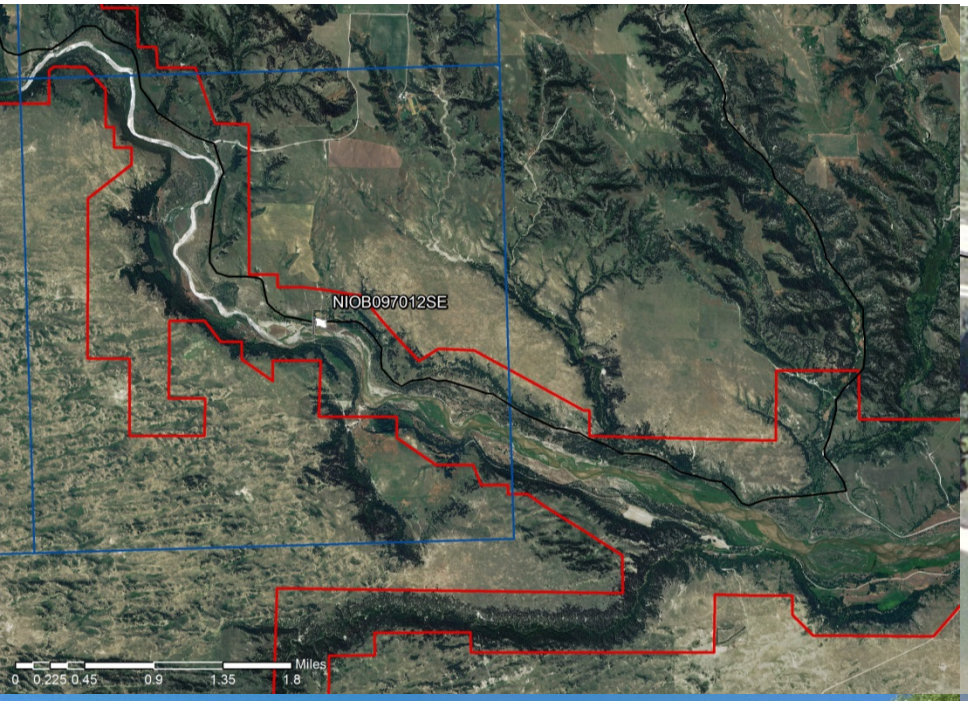






Niobrara River Upstream (42.835158 -100.177108). Site was established in 2015.

NOIB097012SE



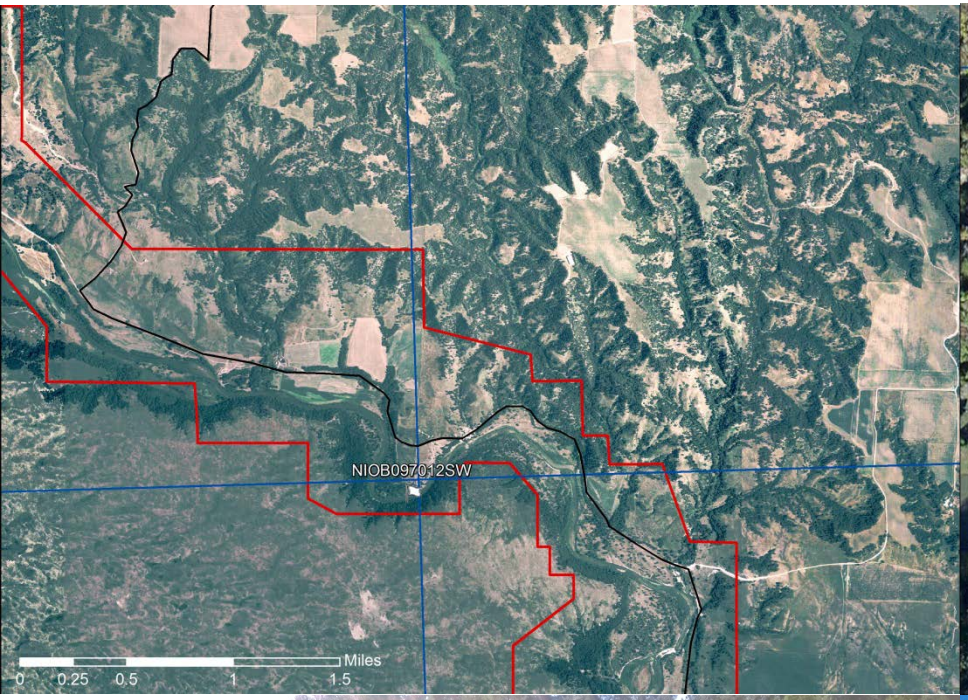






Niobrara River Middle (42.806228 -100.120628). Site was established in 2015.

NOIB097012SW



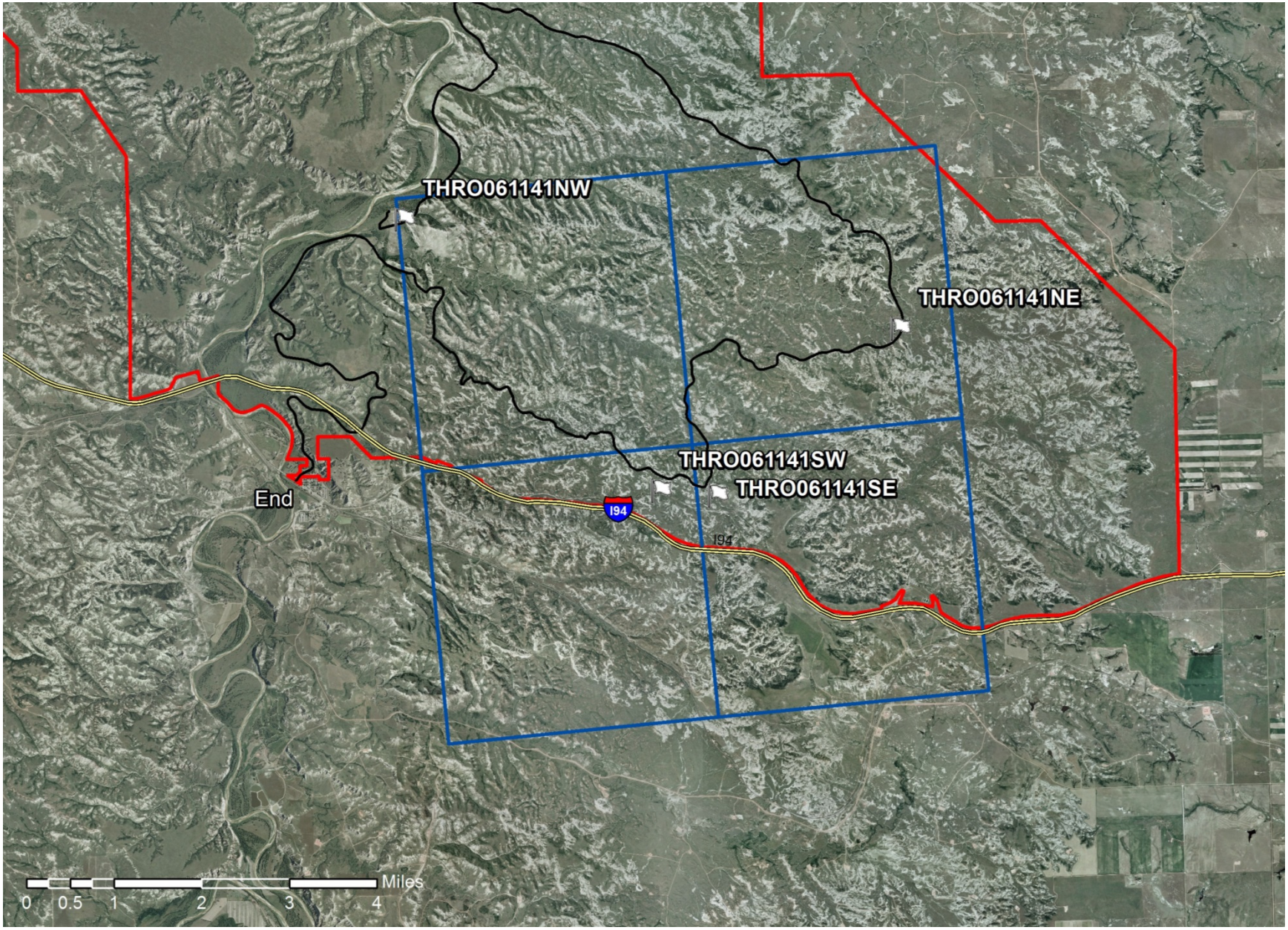




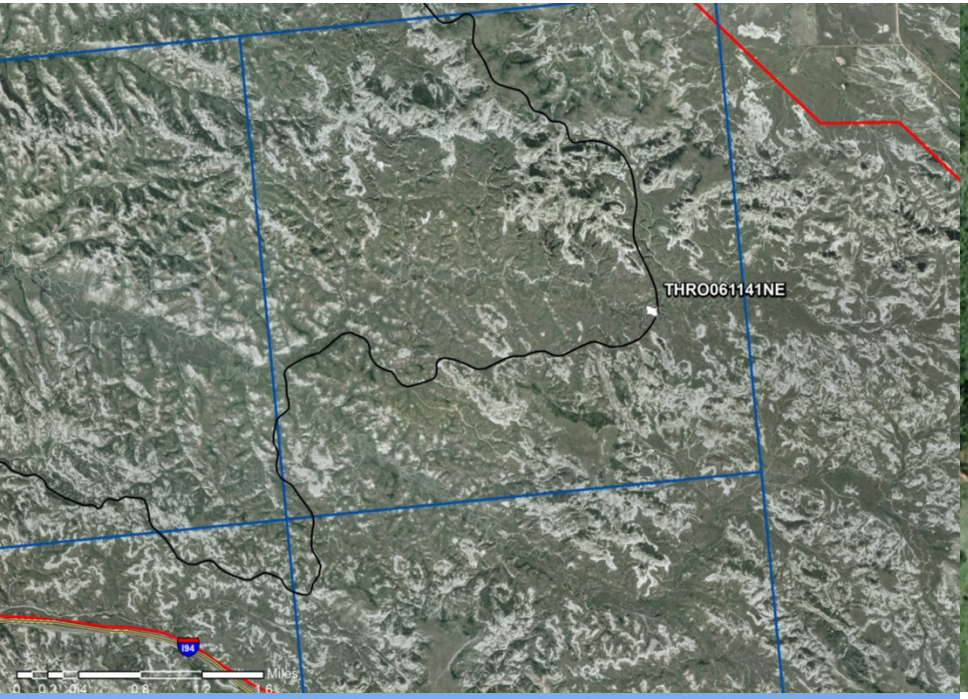


Niobrara River Downstream (42.828117 -100.159889). Site was established in 2015.

THRO061141 Cell



THRO061141NE



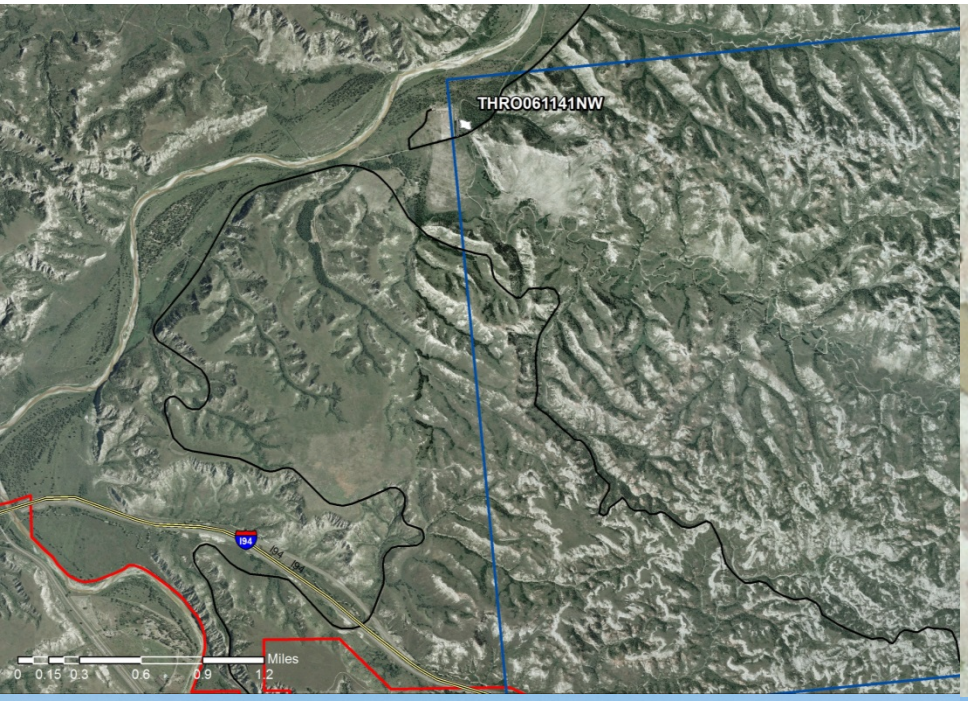






Talkington Trail (46.937984 -103.382111). On high point overlooking draw.

THRO061141NW



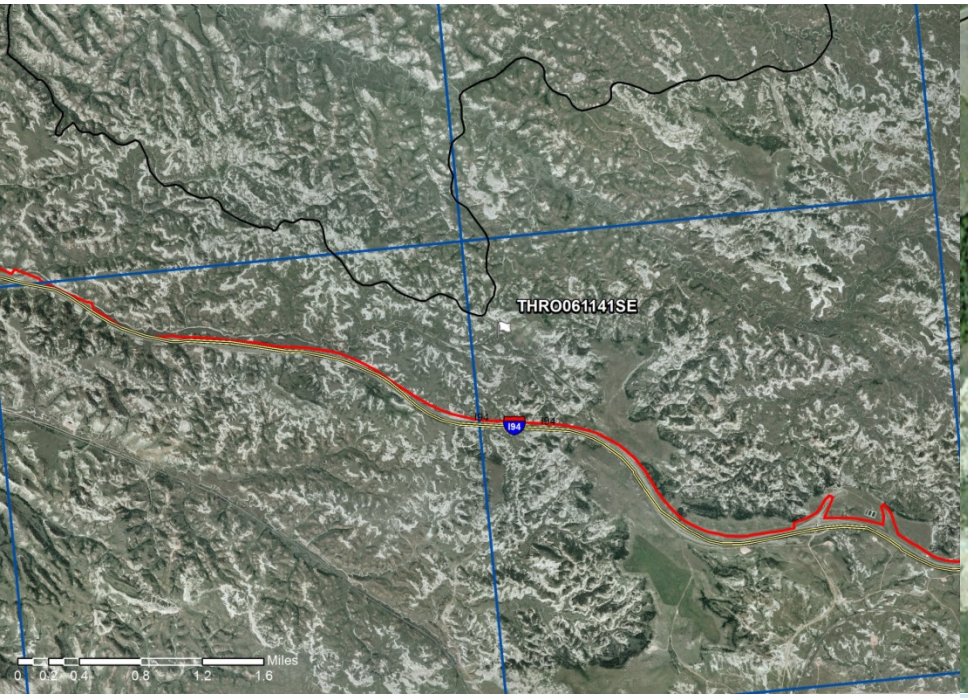






Peaceful Valley Corral (46.957601 -103.501137). Can be seen from road. Next to heavily used trail. Place in down woody debris to minimize disturbance by bison.

THRO061141SE









<u>Open Prairie Next to PD Town (46.911125 -103.427032).</u> On edge of prairie dog town.

THRO061141SW



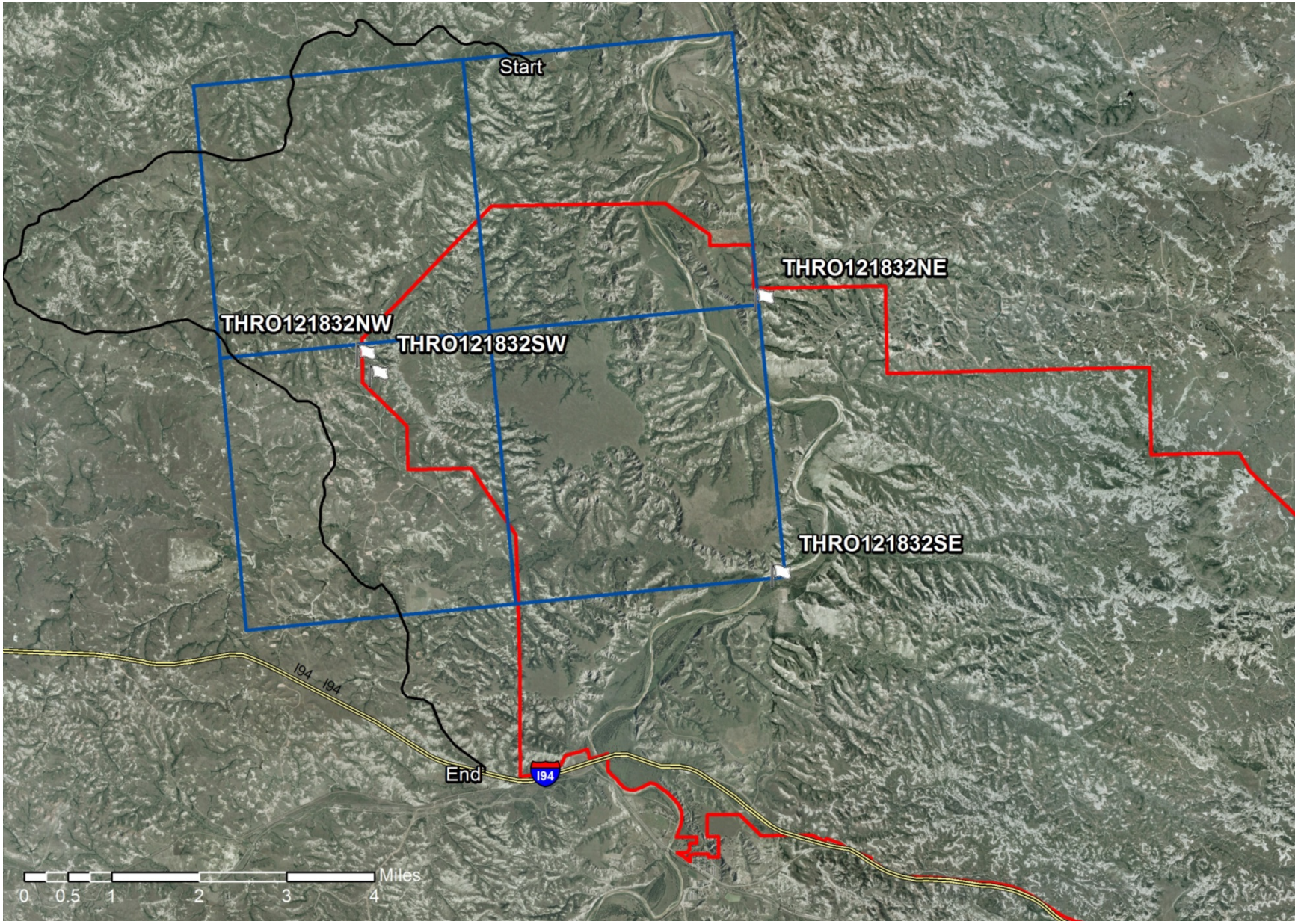




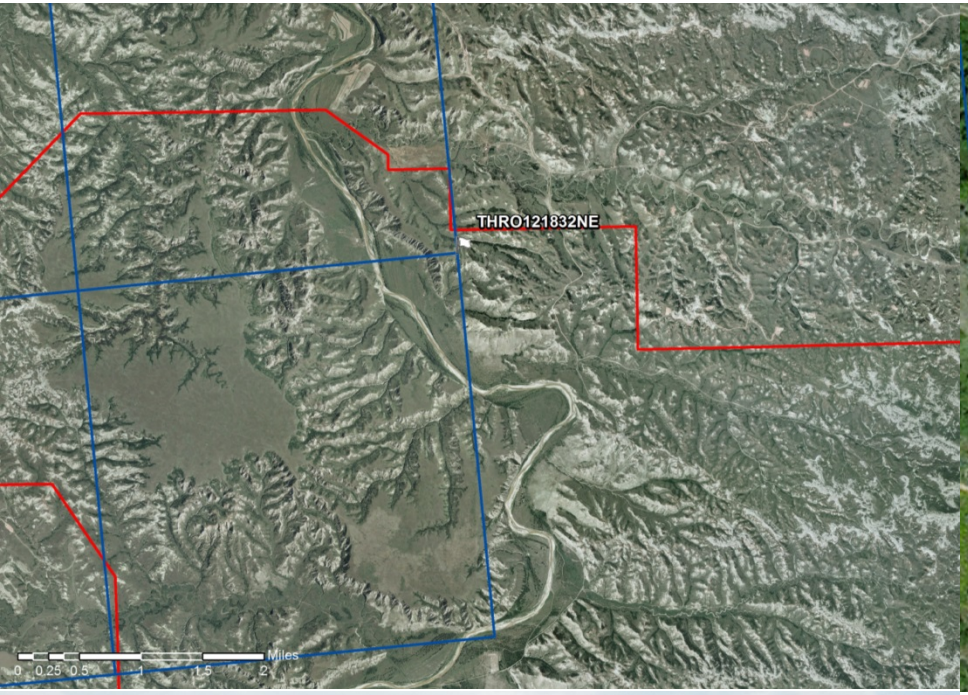


Dry Stream (46.912037 -103.440689). Next to draw.

THRO012832 Cell



THRO121832NE



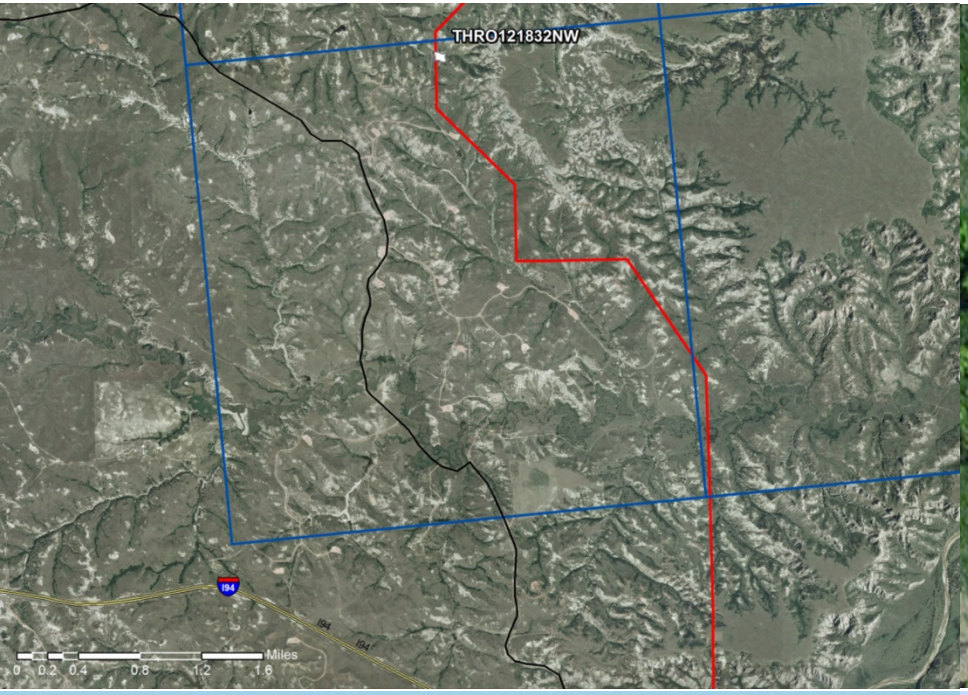






Remote Horse Corral (47.006977 -103.507011). Just west of horse corral. Place in shrubs to minimize disturbance from animals.

THRO121832NW



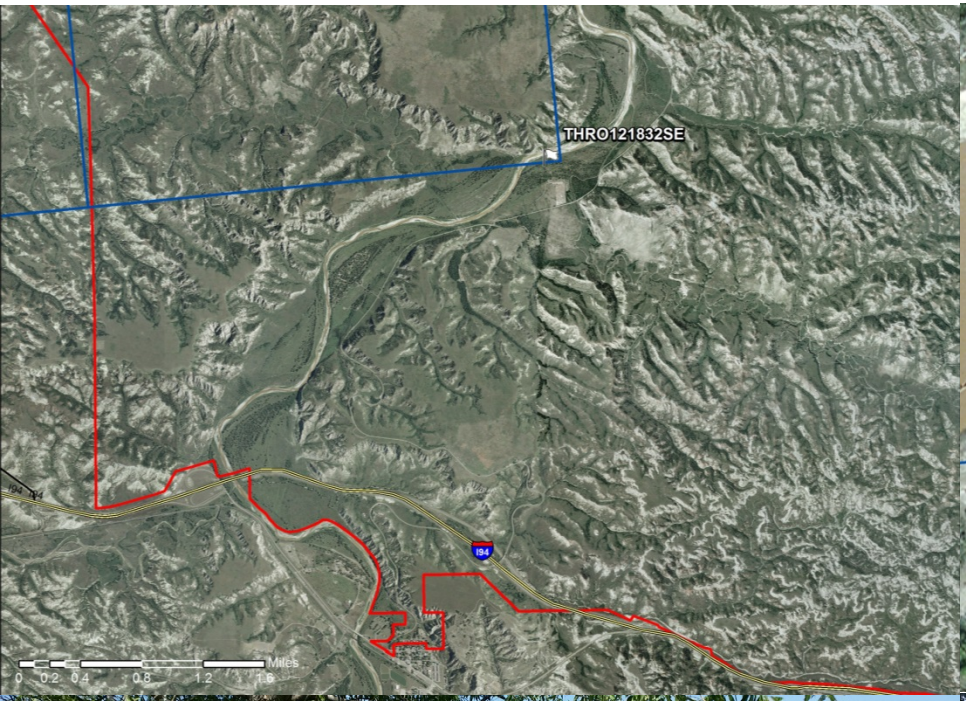


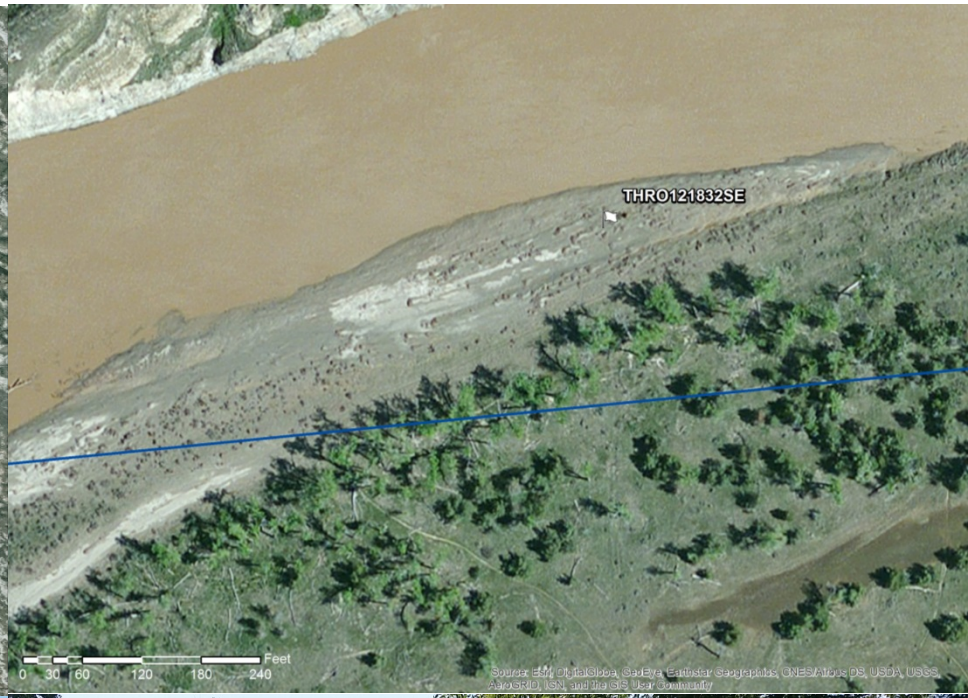




West Fence Boundary (46.998959 -103.603653). Park at entrance gate to wilderness area. Once through gate go north along fence. Place unit in shrubs next to boundary fence.

THRO121832SE



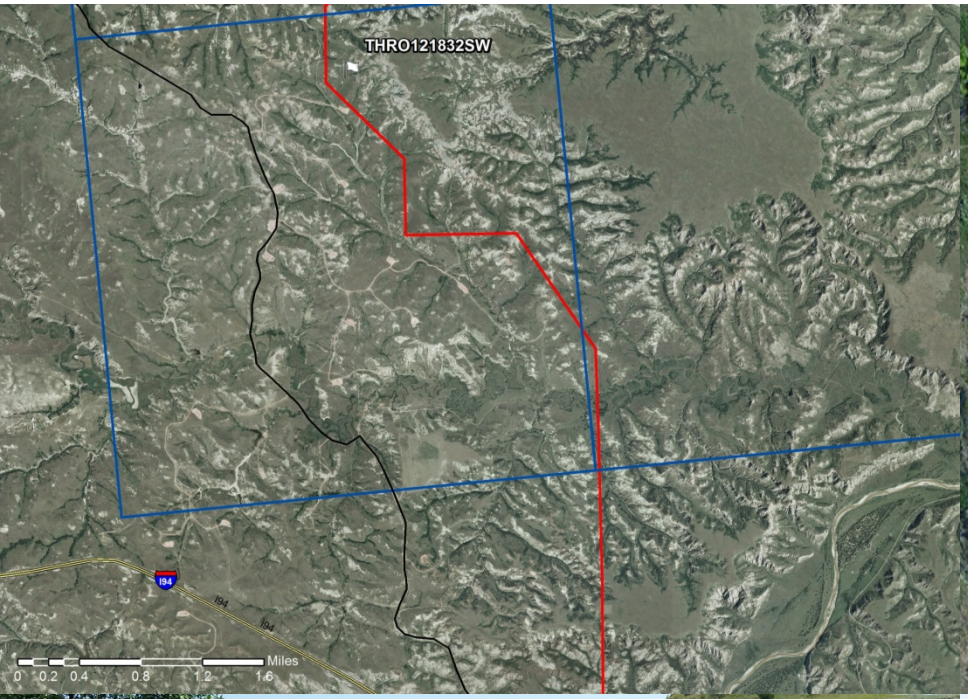






Lone Tree in Floodplain (46.961380 -103.504249). Park in ranch parking area. Walk to river floodplain. Place by lone tree in the floodplain.

THRO121832SW



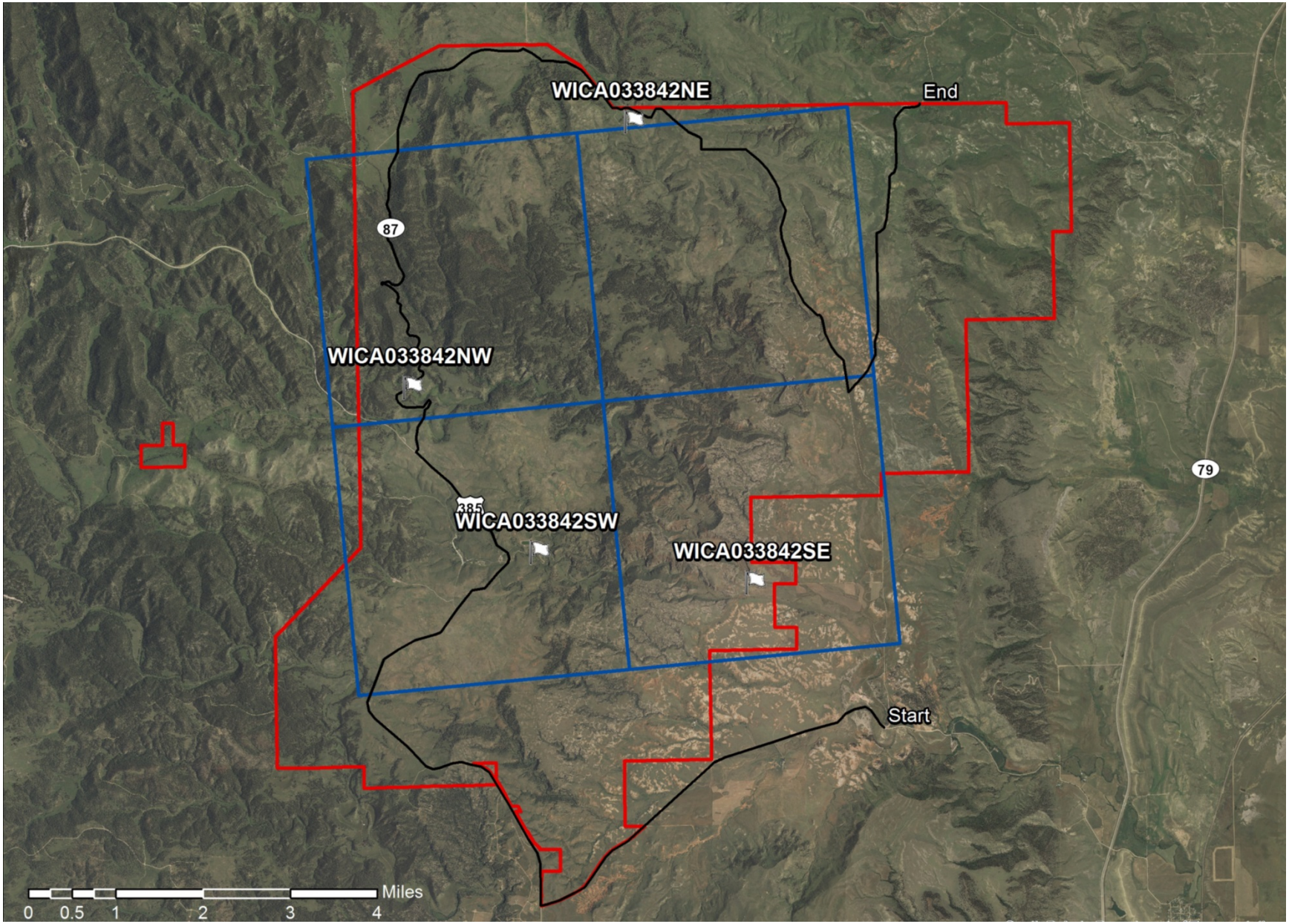




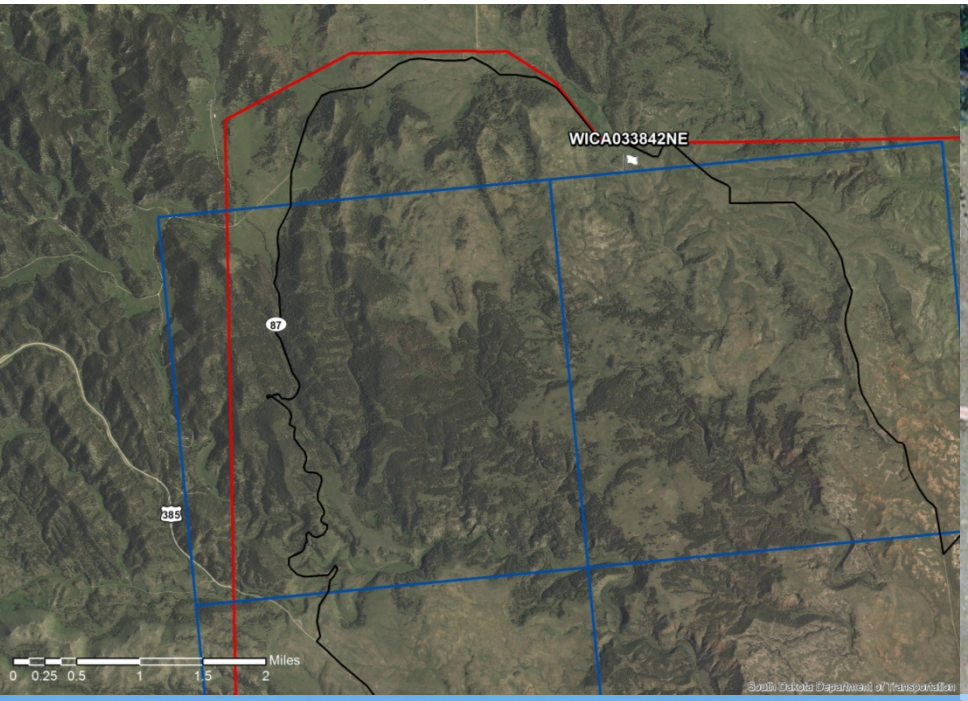


Open Prairie (46.995590 -103.600594). Park at parking area entrance to wilderness area. Once through gate follow trail for short distance then go south.

WICA033842 Cell



WICA033842NE



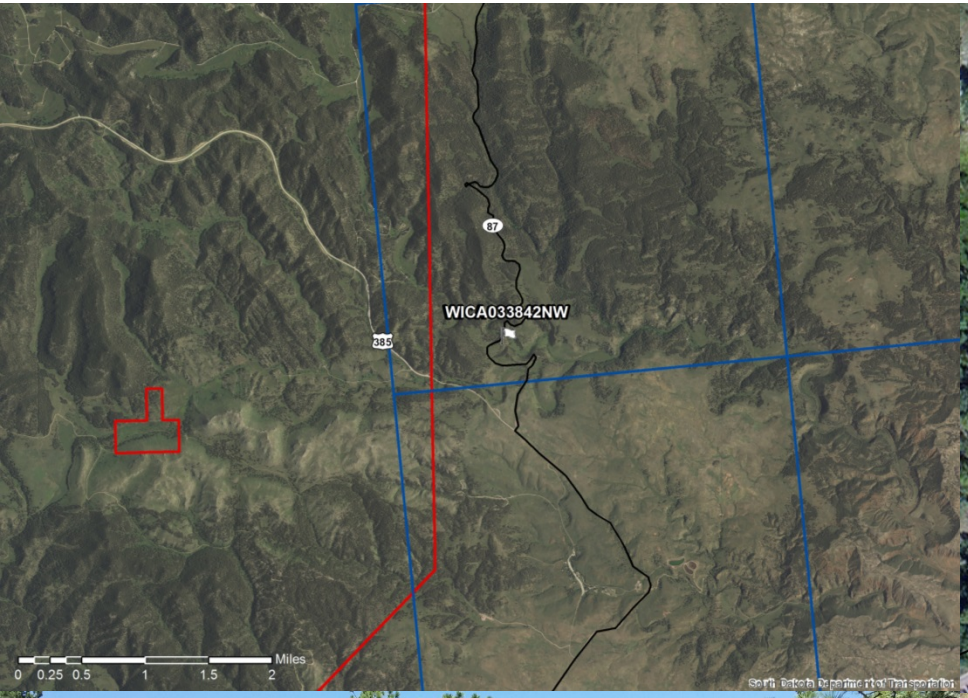






<u>Bison Corrals (43.627434 -103.437057).</u> Located at corner of fence. Place right next to fence to minimize disturbance by animals.

WICA033842NW



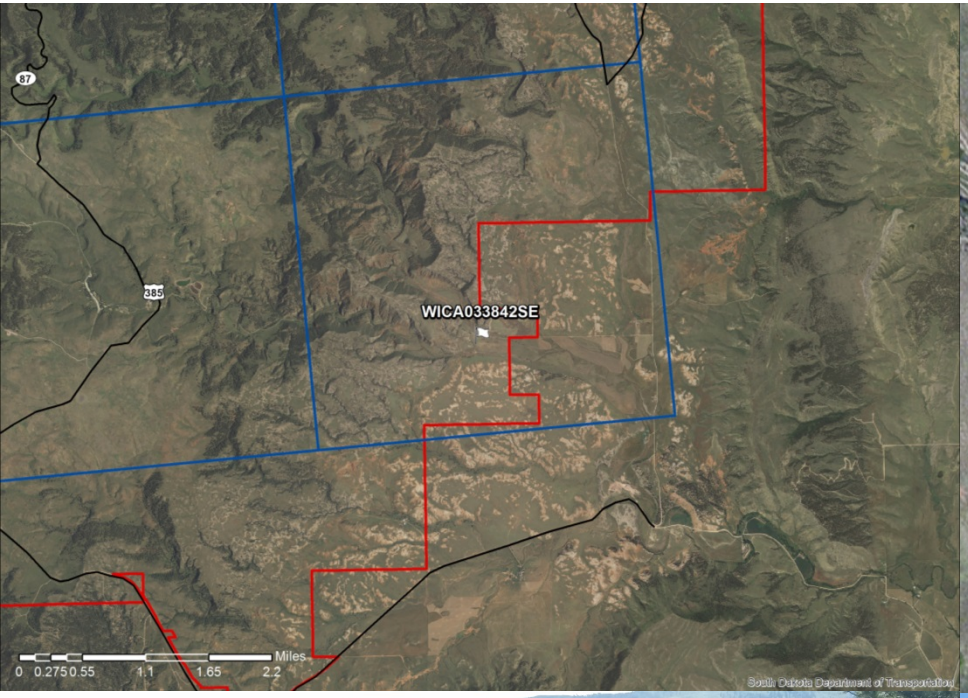






Highway 87 Bridge (43.583927 -103.488830). On bluff overlooking canyon.

WICA033842SE



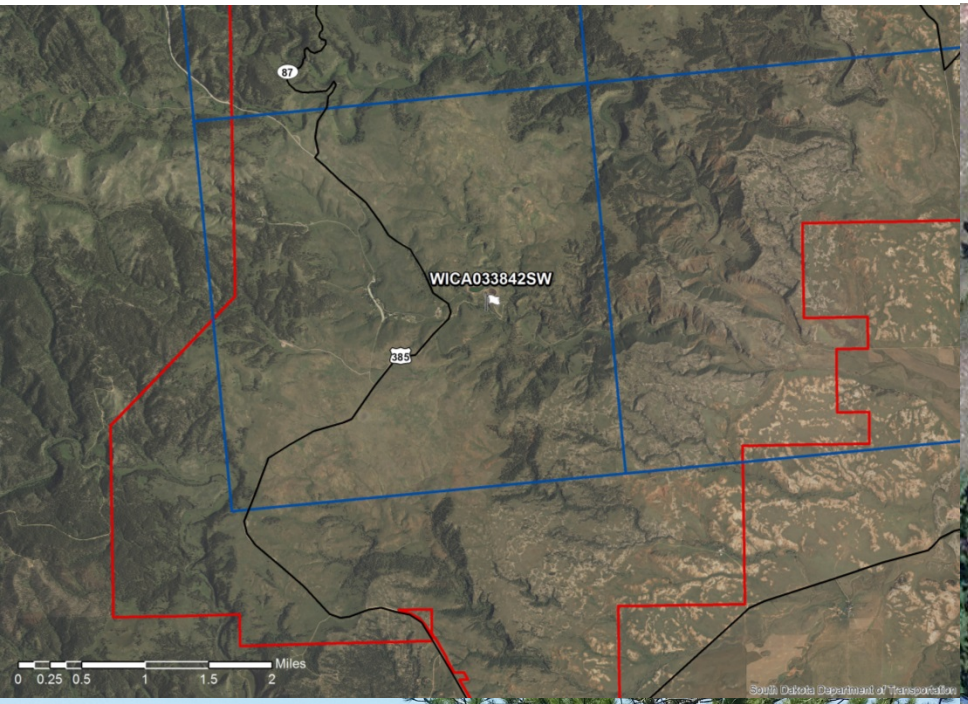


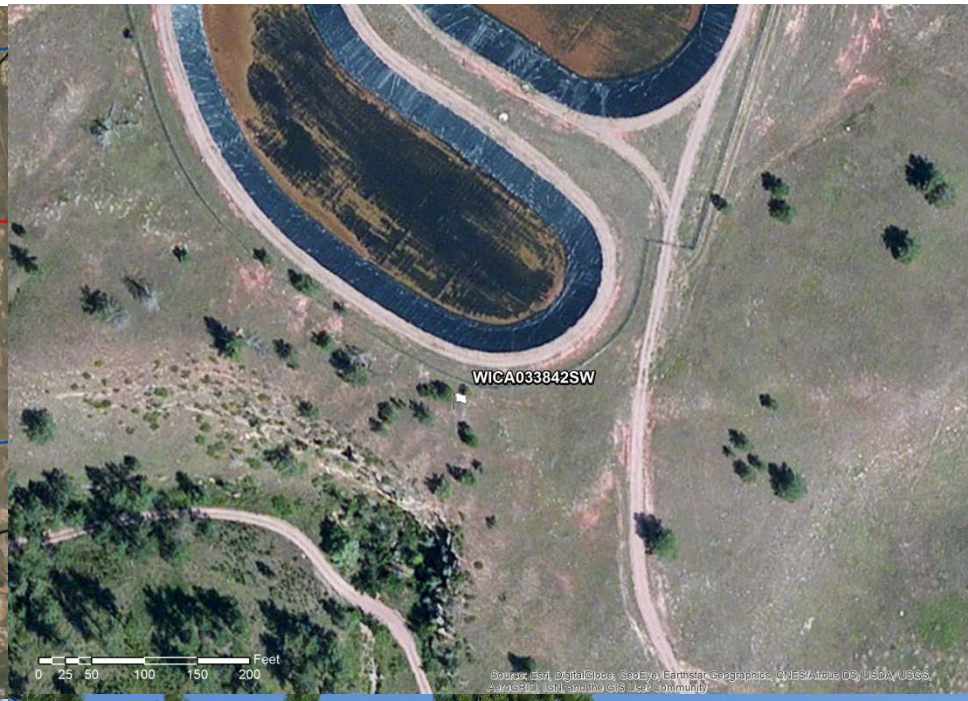




<u>New Property Farmstead (43.550434 -103.411453).</u> Park at gate and walk trail, or stop at headquarters and get keys. On bluff.

WICA033842SW









Sewage Lagoon (43.556086 -103.460707). Park at parking area and walk Wind Canyon trail or get key to unlock gate and drive to site.

End