

Environmental Assessment

**Wildcat Hills Outdoor Heritage Center
Wildcat Hills State Recreation Area Scotts
Bluff County, Nebraska**

**Prepared by
US Fish & Wildlife Service
and
Nebraska Game & Parks Commission**

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CHAPTER 1: PROJECT SUMMARY, PURPOSE AND NEED

1.1 PROJECT SUMMARY

Location: Wildcat Hills State Recreation Area

County: Scotts Bluff

Nearest town: Gering, Nebraska

Coordinates of center of project: 41° 24' 19.80", -103° 40' 24.41"

Township/Range/Section: Portions of the S½ of the NW¼ & NW¼ of the SW¼ of Section 16 & the SE¼ of the NE¼ of Section 17 , Township 20N, Range 55W

The Nebraska Game and Parks Commission (NGPC) proposes to construct an Outdoor Heritage Education Center at the Wildcat Hills State Recreation Area located approximately 10 miles south of the City of Gering, Nebraska, which is part of the Scottsbluff Micropolitan Statistical Area.

The Outdoor Heritage Education Center will consist of a shooting range complex that will be utilized for educational classes, safety training, shooting sports activities, etc. The proposed complex will consist of:

- a Rim Fire Shooting Range
- an Air Rifle Range within a steel building
- an Archery Range
- a Trap Range
- a Restroom facilities (CXT pit toilet)
- a Parking area with concrete access road

The rifle range will be constructed with side berms and an end/impact berm. If possible, material from the berms will come from leveling the ranges. A slight slope away from the firing line and to the side will be constructed to facilitate drainage. Baffles will be positioned down range to maintain a "no blue sky" view.

A side and end/impact berm will also be constructed at the archery range. The side berm will be constructed on the west side of the range. No side berm is necessary for the east side of the range due to the facility design and surrounding land use.

No berms will be constructed for the trap range and the air rifle range will be located inside a metal building.

Due to the growing concern about lead contamination associated with shooting ranges, the NGPC will address lead contamination through the implementation of a lead management program for the facility. Best Management Practices for Lead Outdoor Shooting Ranges as written by the EPA (EPA, 2005) will be implemented. Soil testing will be done for soil alkalinity and the area will be limed to maintain property pH, and water quality monitoring will be conducted at the surface runoff outfall(s).

The perimeter of the facility will be fenced with proper signage posted and flags will be flown when the range is in use.

Funding for this project will come from federal aid administered through the U. S. Fish and Wildlife Service, the NGPC, and donations from other entities including the NRA and local businesses. This project is estimated to cost 1.5 million dollars.

Management of the education center will be conducted by the NGPC.

1.2 PURPOSE

The purpose of the proposed project is to provide outdoor education activities to the community; provide shooting sport activities, classes, safety training, etc. to the community; to provide a safe and established shooting area to the community; and to provide a safe shooting area within the Wildcat Hills recreation area that can be monitored from the visitor's center. The current shooting area (open seasonally) is not visible from the visitor's center, has safety issues, and as such, is being permanently closed.

Expected results and benefits will be to provide shooting opportunities and education for the public in an area where such opportunities are limited. The education center will provide opportunities for firearms and archery education, training, marksmanship practice, sight-in, and shooting/archery events.

1.3 NEED

The Wildcat Hills State Recreation Area is located in one of the most populous counties (Scotts Bluff) in western Nebraska (approximately 37,000) and also in Banner County. Here, opportunities for firearms and archery shooting are limited. It should be noted that the facility will likely also serve adjacent counties and portions of eastern Wyoming where shooting opportunities are also limited.

The Wildcat Hills State Recreation Area is owned and operated by the NGPC. The NGPC is in the formal process of approving the Outdoor Education Center master plan designed by the firm Joseph R Hewgley & Associates and the NGPC. As such, the NGPC strongly supports this project, and has no major objections.

There are currently no public outdoor archery, handgun, and rifle ranges in the area of the proposed project. According to Mr. Russ McKeehan (Wildcat Hills State Recreation Area Superintendent) and research, there are no such facilities in the panhandle area and the closest outdoor shooting areas are a trap range and an outdoor shooting area, south and north of the City of Mitchell, respectively. The only other public shooting area found in the Scottsbluff Micropolitan Area was an indoor pistol range in Gering, Nebraska. There is a shooting area (open seasonally) in the Wildcat Hills Recreation Area; however, this area is being permanently closed due to safety concerns, misuse, etc. which are due to the site's location being unobservable from the visitor's center.

Shooting sports supporters in the area have long voiced a need for this kind of facility which will allow marksmanship practice in addition to the hunter and general firearms education. This site will provide a convenient location for classes and events as it is easily accessible from Highway 71.

In addition to the use of the range as a training facility, the range can be used to sight in guns and for marksmanship practice. At the present time, in the area of the proposed site, established shooting areas are very limited and this activity takes place in various settings, thus safety is a concern as private land and state park areas that are undeveloped are often used. This range will provide a safe, confined, controlled, supervised environment for this activity.

As previously stated, the NGPC will operate and maintain the facility.

1.4 BACKGROUND

Hunting and shooting sports are a very important part of Nebraska's economy and is a tradition for many Nebraskans. The state continues to try to capture interest in new hunters by promoting hunter safety courses in communities across the state.

According to Nebraska law, hunters between the ages of 12 and 29 must complete a firearms education class to hunt with a firearm or crossbow and a separate bow hunter education class to hunt with a bow and arrow. In addition, a legacy program is required for some hunters over the age of 30.

1.5 FUNDING

Funding for the majority of this project will come from federal aid administered through the US Fish and Wildlife Service (USFWS) and to a lesser extent by the NGPC. In addition, a smaller portion of funding will be provided by donations from the NRA and local entities.

1.6 PROJECT DETERMINATION

The NGPC and the USFWS will select one of the alternatives analyzed in this document and the USFWS representative will determine, based on the facts and recommendations herein, whether this Environmental Assessment (EA) is adequate to support a Finding of No Significant Impact (FONSI) decision, or whether an Environmental Impact Statement (EIS) will need to be prepared.

CHAPTER 2: ALTERNATIVES

2.1 ALTERNATIVE 1 - PREFERRED ACTION

The preferred action includes development of the Outdoor Heritage Education Center in the Wildcat Hills State Recreation Area as described in the project summary. As previously stated, the facility will consist of a rimfire shooting range, an air rifle range with a steel building, an archery range, a trap range, a CXT pit toilet, and a parking area with a concrete access road.

The rimfire range will be constructed with side berms, an end/impact berm, and baffling to create a no blue sky view. If possible, material from the berms will come from leveling the ranges. The final layer of fill would be screened for rocks before being incorporated into the berm. If excavation at the site does not provide enough suitable fill material for berm construction, suitable clean fill material will be sourced (purchased if necessary) locally in the most cost effective manner. This material would most likely come from the Scottsbluff/Gering area located approximately 10 miles north of the site in the North Platte River Valley.

The archery range will be constructed with a side berm on the west side, an end/impact berm, and baffling to create a no blue sky view. No side berm is necessary on the east side of this range due to the facility design and surrounding land use. If possible, material from the berms will come from leveling the ranges. The final layer of fill will be screened for rocks before being incorporated into the berm. As with the rimfire range, if additional fill is needed, clean fill will likely be sourced from the Scottsbluff/Gering area.

No berms will be constructed as part of the trap range and the air rifle range will be located indoors. The trap range will have a trap house and pellet size will be restricted to #9 shot for safety reasons.

The building constructed for the air rifle range will be a pre-engineered 50 by 56 foot (approximately) steel building with insulation, lighting, and heat. At this time, it is planned to have drinking water hauled in and restroom facilities will be provided by a CXT pit toilet.

The range will allow muzzle-loading firearms, high caliber rifles, air rifles, pistols, bows, and crossbows at appropriate ranges. All shotgun gauges will be allowed at the trap and skeet course; however, as stated above, pellet size will be limited to #9. Fifty caliber and larger firearms, fully automatic firearms, and tracer/armor-piercing ammunition will be prohibited.

Target frames, target sheets and clay targets will be available on-site, and will be supplied solely through the education center facility.

The NGPC will take proactive measures in regard to pollution control by implementing a lead management program at the range. The program will be based on Best Management Practices for Lead Outdoor Shooting Ranges written by the EPA (EPA, 2005). Practices implemented will include using earth berms, monitoring soil pH, and remediating as necessary by liming the soils. A lead removal program, based on number of rounds fired, will be carried out by a reclamation contractor. If necessary, water quality monitoring will be conducted in the natural drainage outfall located southeast of the proposed facility.

The perimeter of the facility will be fenced and signed for safety purposes. In addition, flags will be flown on the range when in use.

Gentle slopes will be constructed as and where necessary to facilitate proper drainage. If necessary, disturbed areas will be seeded with plant varieties that are less palatable to wildlife, deer in particular, to minimize erosion. As necessary, all areas within the ranges and the shot fall area for the shotgun field will be mowed to facilitate lead reclamation. These square areas will be reseeded, as necessary, following the reclamation process. Grading on the shotgun field will be monitored to ensure that buildup of clay targets does not create areas that would hold water.

This project is not expected to require the closure, removal, relocation, etc. of existing trails or other amenities. It should be noted that a small camping area does exist north of the proposed site and multipurpose trails exist further north of the camping area. Due to the project construction design (i.e. berms and no blue sky) safety issues are not expected to arise; however, if safety issues do prove to be a concern, the campground area and other area(s) of concern will be closed, relocated, replaced, etc. (as practicable) to compensate for the proposed project.

Although Alternatives 1 and 2 were the only other alternatives considered, the best location for the shooting area (Alternative 1) was determined based on natural site topography, current park use and layout including proximity to the visitor's center, and accessibility to the public.

2.2 ALTERNATIVE 2 - NO ACTION

With this action, no development would take place and the location of the proposed project would be allowed to continue succession to a more natural state and at this time, recreational use or land/wildlife management remains unspecified.

The main effect of Alternative 2 would be a continuation of public dissatisfaction at not having a safe, public, outdoor location for recreational shooting. Table 1 summarizes the alternatives.

Table 1: Comparison of Alternatives

	Recreation	Safety	Socioeconomic
Alternative 1 (Preferred Action)	<p>Provide firearm and archery shooting ranges for the general public.</p> <p>Provide a venue for education/training classes and groups</p>	<p>Provide safe, controlled area to shoot archery and firearms.</p> <p>Establishes a safe hunting/firearms /Outdoor community through training and education.</p> <p>Provides a safe shooting environment via bullet containment with constructed berms & no blue sky, supervision from the visitor's center, and easy access an established highway.</p> <p>Contains bullets within a controlled area that is managed according to EPA regulations.</p>	<p>Bring an additional segment of users to Park and a new flow of revenue direct and indirect from a variety of shooting sportsman.</p> <p>Provides an additional recreational activity to an area where such activities are limited.</p>
Alternative 2 (No Action)	<p>Does not provide any recreational shooting opportunities and further restricts shooting opportunities to the general public in an area where such opportunities are already limited.</p>	<p>Does not provide an acceptable venue to conduct educational classes/firearms training.</p> <p>Continued scattered use of back country for sighting in firearms and recreational shooting with no bullet containment or environmental management.</p>	<p>This alternative would not generate any socioeconomic benefits.</p>

CHAPTER 3: AFFECTED ENVIRONMENT

3.1 PHYSICAL ENVIRONMENT

The Wildcat Hills State Recreation Area is located in Scotts Bluff and Banner Counties, Nebraska, approximately 10 miles south of the City of Gering. However, the area of the proposed project is located within Scotts Bluff County. The site is Wildcat Hills Escarpment which consists of rugged buttes and grassland. Since the proposed project is located in a rural location, there are no air quality concerns, nor should the range cause any to arise.

The Murphy Ranch Nature Conservancy and Buffalo Creek Wildlife Management Areas are located east of the proposed site and the Bead Mountain Ranch is located northeast of the proposed site. Between Bead Mountain Ranch and the Wildcat Hills Recreation Area (2,800 feet northeast to 7,400 feet north to north-northeast) several residential dwellings are present.

Based on the fact that the proposed facility is to have a “no blue sky design”, the primary issue of concern is expected to be noise. With use of the EPA environmental guidance for shooting ranges, no environmental impacts are anticipated to the surrounding areas. There are no wetlands or surface water bodies in the immediate area of the site. The nearest wetlands are located approximately 1.8 miles north and southwest of the proposed project site. The nearest river/stream is Pumpkin Creek, which at its closest point is located 3.4 miles south-southeast of the proposed project site. It should also be noted that the North Platte River is located approximately 9 miles northeast of the proposed site. In addition, several ephemeral streams exist as tributaries to both drainage valleys. Maps depicting the wetlands areas and water bodies are included in Appendix A.

It should be noted that an actual wetlands delineation was not requested nor completed. The wetlands information included in this report is based on the National Wetlands Inventory information available to the public.

The proposed location for the Preferred Action includes portions of the S $\frac{1}{2}$ of the NW $\frac{1}{4}$ & NW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 16 & the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 17, Township 20N, Range 55W.

The current shooting area, which will close with the selection of either alternative, is located at the east entrance to the Wildcat Hills Recreation Area by the State Patrol Radio Tower.

3.1.1 Soils

Alternative – 1 Preferred Action– At the proposed project location the soil types consists of the Tassel-Busher-Rock outcrop complex (approximately 50%) and the Duroc loam (approximately 50%) (Appendix 7). The Tassel-Busher-Rock outcrop complex is described as highly erodible land that has a high runoff potential when thoroughly wet. Water movement through the unit is restricted to very restricted. The Duroc loam is described as a gently sloping highly friable unit with moderately low runoff potential. Water transmission through the unit is unimpeded. No pH data was provided in the soil descriptions.

These soils will be disrupted for construction of the proposed facility and also utilized in construction of the berms if possible.

Alternative 2 – No Action – Soils in the area of the proposed project (described above) would remain in place with no disruption.

3.1.2 Topography

Alternative - 1 Preferred Action– In the proposed project area the ground surface slopes to the east (trap range and sight-in range), southeast (archery range,), or south (air rifle range and rim fire range). All of the drainage ultimately flows to the natural drainage channel southeast of the project area. The natural topography of the site in conjunction with borrow pits along roadways north, west, and south of the proposed site will prevent surface runoff from migrating onto the shooting range.

The ranges are laid out in a sloping field. The highest point is located along the northern boundary of the project area. The western portion of the project area slopes to the south and the eastern portion of the project area slopes to the east and southeast. Beyond the northern boundary of the proposed project is a Stage Hill Road. On the other side of the road is a valley north of the western portion of the proposed project area and a ridge north of the eastern portion of the proposed project area. This ridge is lower than the area of the subject property. On the ridge is a small camping area and multipurpose trails are present throughout the recreation area to the north.

The ranges are situated so that the direction of fire for the rim fire range is north to northeast into the natural topography. The ridgeline forms a natural berm which will aid in the construction of the shooting range. Cut and fill activities will be conducted to construct berms, level range areas, erect the air rifle building, etc. Design consideration will take advantage of the natural topography to limit excavation and fill activities. With this alternative, the current shooting area will be allowed to return to a more natural state and shooting will no longer be allowed.

Alternative 2 - No Action– With this alternative the topography of the proposed project area would remain as it currently exists.

3.2 BIOLOGICAL ENVIRONMENT

3.2.1 Vegetation

The Wildcat Hills Recreation Area is located in the Shortgrass Prairie Ecosystem. According to the NGPC's website, Tier 1 At-risk plant species in this area include Dog-parsley and Matted Prickly-phlox. There is no known Dog-parsley or Matted Prickly-phlox known to be growing in the proposed project area.

Alternative - 1 Preferred Action–The proposed project will be constructed on former grazing area which was once utilized to graze buffalo. This area has not been grazed for some time and the fencing required to contain buffalo has since been partially removed. Vegetation in the project area primarily consists of prairie grass, buffalo grass, bluestem grass, and yucca. These same species in addition to ponderosa pine and/or mountain mahogany are the predominant plant species surrounding the project area. If necessary, mowing will be conducted to maintain the shooting range and discourage tree encroachment.

Alternative 2 - No Action– With this alternative, vegetation in the proposed project area would remain as it currently exists.

3.2.2 Federal Threatened and Endangered Species

PG&E reviewed lists and maps of threatened and endangered species in Nebraska (compiled by NGPC, http://outdoornebraska.ne.gov/wildlife/programs/nongame/Endangered_Threatened.asp). Based on this review, no known federally threatened or endangered species are known to exist in the

area of the proposed project. The review did identify Scotts Bluff County as containing whooping crane (federally endangered) habitat area; however, no suitable whooping crane habitat is located in the area of the proposed project.

A response letter from the NGPC stating “no effect” in regard to an inquiry of potential project effects to threatened and endangered species in the area of the site is included in Appendix F.

3.2.3 State Threatened and Endangered Wildlife Species

PG&E reviewed lists and maps of threatened and endangered species in Nebraska (compiled by NGPC, http://outdoornebraska.ne.gov/wildlife/programs/nongame/Endangered_Threatened.asp). Based on this review, the area of the proposed project is in the habitat area of the swift fox (state endangered); however, there are no animals or dens known to exist at the proposed project site. Furthermore, the proposed project area is not well-suited habitat due to its current state of development and proximity to Highway 71. In addition, the review identified Scotts Bluff County as containing River Otter (state threatened) habitat and whooping crane (state endangered) habitat; however, no suitable river otter or whooping crane habitat is located in the area of the proposed project.

A response letter from the NGPC stating “no effect” in regard to an inquiry of potential project effects to threatened and endangered species in the area of the site is included in Appendix F.

3.2.4 Wildlife

The Wildcat Hills Recreation area is habitat to a wide variety of wildlife, atypical to Nebraska, and similar to the ecology of the Laramie Mountains approximately 60 miles west. Animal species occurring in the area include: white tail and mule deer, pronghorn antelope, elk, big horn sheep, coyote, mountain lion, bobcat, skunk, rabbit, squirrel, several rodent species, several snake species, raptors, owl, turkey, and numerous other bird species including a large variety of song birds. According to the Nebraska Natural Legacy Project, several Tier 1 At Risk species occur in the Wildcat Hills Recreation Area. Excluding the aforementioned threatened and endangered species, this list includes: fringe-tailed myotis, bighorn sheep, bella’s vireo, brewer’s sparrow, burrowing owl, short-eared owl, long-billed curlew, pinyon jay, regal fritillary, plains topminnow, and sagebrush lizard.

3.3 LAND USE

The Wildcat Hills Recreation Area is a multiuse recreational area. Activities, offered include camping, hiking, biking, horseback riding, wildlife watching, hunting (limited), and shooting (limited) are offered. The Wildcat Hills Recreation Area consists of about 1,094 acres.

As mentioned in Section 3.1, residential dwellings are present 2,800 feet northeast to 5,235 feet northeast and 7,400 feet north to north-northeast of the proposed project area.

Alternative - 1 Preferred Action– Currently the site of the proposed project has no specialized recreational use. The area is no longer utilized to graze buffalo and the fencing required to contain buffalo has been partially removed. Since the removal of the buffalo, the area has been allowed to go back to a natural state. This area is within the state recreation area, is visible from the visitor’s center, and is easily accessible from the Stage Hill Road leading to the visitor’s center.

Adjacent land use for wildlife management and conservation, public use, and residential purposes (between the Wildcat Hills Recreation Area and Bead Mountain Ranch) is not expected to change due to the “no blue sky” design to be incorporated into the

shooting range; however, it is uncertain whether or not noise generated from the proposed area will be a concern (addressed below).

Alternative 2 - No Action– With this alternative, the area of the proposed site and adjacent properties will remain the as they currently exist, with the area of the proposed project returning to a more natural state since grazing ceased.

3.4 CULTURAL/HISTORIC RESOURCES

No known cultural/historic resources are known to exist on the site of the proposed project. The Nebraska State Historic Preservation Office has reviewed the project and has no objection to the project. It should be noted that there is a cabin and old foundation located north of the proposed project area. According to the NGPC, these features have little historic value as the foundation is all that remains of the feature once present in this spot and the cabin was moved to its current location from another area. At this time, project plans involve leaving the two features in their current state and location. The response from the Nebraska State Historic Preservation Office is included in Appendix F.

3.5 NOISE

Noise levels for the proposed site and currently existing shooting area are low, since these areas are undeveloped. Shooting/hunting does occur at and in the vicinity of the Wildcat Hills Recreation Area, and gunfire may be occasionally heard throughout the area. In some portions of the recreation area, traffic noise from Highway 71 is also heard.

Alternative - 1 Preferred Action– With the preferred action, additional noise will be generated by use of firearms at the shooting range. However, the proposed location is further (across two ridges) from the housing located northeast of the proposed site (approximately 2,800 feet to closest residence) than the currently existing shooting area and will incorporate baffles into the design to help reduce noise. To determine the actual decibel levels observed from firearm use in the proposed project location, a sound study would be necessary.

Noise issues may also be a concern for wildlife in the area; however, the proposed location of the project is adjacent to Highway 71 which due to noise and vehicle traffic, is already a disturbance to wildlife in the immediate area. Increased noise generated by the project has the potential to disturb and or ward off wildlife, but to determine to what degree, an in-depth study would be necessary.

Alternative 2 - No Action– With this alternative, there will be no shooting areas in the recreation area and as such no noise issues.

3.6 RECREATION

Alternative - 1 Preferred Action– Multipurpose trails and a campground exist north of the proposed site location. Due to the proposed “no blue sky” construction, no loss of recreation resources are expected due to the construction of the proposed shooting range and the current features are expected to remain in place. According to NGPC, if any concerns were to arise, amenity removal, replacement, modification, etc. would be conducted in the best interest of the recreation area to a practicable extent.

Wildlife watching and hunting as recreation could also be affected by the proposed facility. However, due to the proposed location (near the highway and visitor’s center), noise would be the primary concern as these activities are not generally conducted in the immediate area of the proposed site. Noise is addressed in Section 3.5.

Alternative 2 - No Action– This alternative would not provide or affect any recreational benefits.

3.7 SAFETY

Alternative - 1 Preferred Action– No safety issues are expected to arise due to the implementation of the proposed project due to its “no blue sky design;” however, as mentioned above, multipurpose trails and a campground exist north (down-fire) of the proposed site location. The main item of concern is the rimfire range where the fireline is northeast towards a primitive campsite and trail. The archery range fireline is also towards the same campsite and trail while the trap range fireline is east-northeast towards an unoccupied area. According to NGPC, the “no blue sky design” will prevent projectiles from leaving the shooting area and if safety issues were to arise from the implementation of the shooting range, amenity removal, replacement, modification, etc. would be conducted in the best interest of the recreation area to a practicable extent. NGPC believes that this alternative would be expected to increase safety at the recreation area by moving shooting activities to an area that can be monitored from the visitor’s center, is easily accessible, and has established shooting areas.

The line of fire in relation to the trails present at the Wildcat Hills Recreation Area is depicted on an aerial photograph in Appendix B.

Alternative 2 - No Action– There are no expected safety concerns with this alternative as it will not provide any established shooting areas. Any safety concerns that may arise from this alternative would be due to unauthorized shooting at the recreation area due to a lack of an established shooting area.

3.8 LOCAL SOCIOECONOMIC CONDITIONS

The closest city is Gering, Nebraska, located approximately 10 miles south of the Wildcat Hills Recreation Area. Gering is part of the Scottsbluff Micropolitan Area which has a population of approximately 37,700. A small community exists in the Wildcat Hills, approximately 3,700 feet northeast of the visitor’s center at the closest point.

Alternative - 1 Preferred Action–This alternative contributes both directly and indirectly to the local economy. Park users, in general, purchase park permits, consume gas, food and lodging, and various goods as do hunters during hunting seasons; all adding to the local economy. In addition, revenue from the sale of targets, clay pigeons, etc. will help provide funding for maintenance and operation of the shooting range.

Alternative 2 - No Action– This alternative would not contribute to the local economy.

CHAPTER 4: ENVIRONMENTAL CONSEQUENCES

4.1 PHYSICAL ENVIRONMENT

4.1.1 Soils

Alternative - 1 Preferred Action–Soils on the proposed site will be disturbed to level the range. As previously mentioned, the soil types present are the Tussel-Busher-Rock outcrop complex and the Duroc loam. If practicable, cut material will be piled and compacted into the side and end berms. Dirt to be used as top layer will be screened for rocks. Topsoil will be stockpiled, and returned to the finished surface of the floor of the range and the berms. Open areas will then be seeded. No berms will be built at the shotgun range, and no soil disturbance is anticipated except for the construction of the firing line and trap/skeet house(s). Any bare areas will be reseeded as necessary.

The NGPC is aware that concerns about lead bullets and shot contamination could arise due to operation, and if the area were eventually closed. In order to be proactive, and to lessen the potential of lead contamination, management according to Best Management Practices for Lead at Outdoor Shooting Ranges (EPA, 2005), will be followed. Specifically, soil pH levels will be checked periodically and lime will be added to the soil (if necessary) to maintain a pH of 6.5 to 8.5. Records of the number of clay targets launched and approximate rounds fired shall be kept and reclamation activities will be carried out when necessary (approximately 800,000 clay targets and 80,000 round per firing lane). In addition, stormwater runoff will be monitored for pollution control.

Alternative 2 - No Action– No soil disturbance will occur with this alternative as no construction activity or shooting will take place.

4.1.2 Topography

Alternative - 1 Preferred Action–Shooting areas within the proposed project area will be leveled or finished at a one percent slope away from the firing line. Side berms and end berms will be constructed for the firing lines. Drainage from the areas would be expected to remain the same as they currently exist (described in Section 3.1.2)

Alternative 2 - No Action– Topography would not change and storm water drainage would remain the same in the proposed project area.

4.1.3 Cumulative Effects

Since the proposed project is located within the Wildcat Hills Recreation Area, the development of the proposed project will maintain a park-like setting for outdoor education and recreation and cumulative effects would be expected to be minimal.

Development of the proposed project would use a currently unutilized portion of the recreation area and increase the recreational value of the recreation area. Minimal impacts are anticipated to the physical environment in the immediate area.

4.2 BIOLOGICAL ENVIRONMENT

4.2.1 Vegetation

Alternative - 1 Preferred Action– Currently there are no trees that would need to be cleared from the proposed shooting range area. Areas disturbed by construction will be reseeded to permanent vegetation and the areas within the berms (at a minimum) would be reseeded to permanent vegetation conducive to mowing and lead reclamation, and, if necessary, to a species that is less attractive to wildlife in the area. The trap range area will developed and maintained in the same manner.

Mowing will occur on all ranges, and the areas of the safety zone. Grass on these areas will be cut regularly during the breeding seasons (April 15 - July 15) to ensure that the site does not attract migratory or non-migratory birds.

Alternative 2 - No Action– The proposed project area will be kept as it currently exists with minimal maintenance. No disruption of vegetation (other than currently exists) is expected.

4.2.2 Federal Threatened and Endangered Species

Alternative - 1 Preferred Action– There are no federal threatened or endangered species habitats located in the area of the proposed project. As such, development of the area will not affect federal threatened or endangered species.

Alternative 2 - No Action– There are no federal threatened or endangered species habitats located in the proposed project area. As such, Alternative 2 will not affect threatened or endangered species.

4.2.3 State Threatened and Endangered Wildlife Species

Alternative - 1 Preferred Action– There should be no effect to any state threatened or endangered species from the preferred alternative as the proposed construction area has been developed and does not provide prime swift fox habitat due to its proximity to the visitor's center and Highway 71 and is not located in river otter or whooping crane habitat.

A fence will be constructed around the perimeter of the project area, primarily for safety reasons, but it will also act as a deterrent to wildlife, mainly deer, from entering the area. Fencing will be a standard height (approximately five feet). Effects of the loss of this habitat should be minimal, since ample habitat with less disturbance is available in the recreation area and surrounding areas.

Alternative 2 - No Action–There should be no effect to any state threatened or endangered species not already occurring. The area of the proposed project will go back to a more natural state. Native grass and perennial vegetation growth may attract deer and other wildlife to this area; however, it is likely that the proximity of the area to Highway 71 will prevent wildlife from occupying the area. In addition, tree encroachment may occur in this area if not maintained.

4.2.4 Wildlife

Alternative - 1 Preferred Action– Although the Wildcat Hills Recreation Area provides habitat for several species of animals, no significant loss of habitat is expected to occur due to the construction of the proposed site due to the fact that the site is located in an area adjacent to Highway 71 near the visitor's center in a developed portion of the recreation area and more suitable habitat is available in the immediate area. Furthermore, the area of the proposed site is partially fenced (restricting wildlife) as it was once used to graze buffalo.

Noise would likely be the main concern involving wildlife; however, as previously mentioned, a noise study would be necessary determine the degree of disturbance in different areas.

Alternative 2 - No Action– There would be no affects to wildlife not already occurring with this action.

4.2.5 Cumulative Effects

Alternative - 1 Preferred Action - Should result in minimal impacts since this proposed project location is located within the Wildcat Hills Recreation Area and overall development will continue to maintain a park-like setting for outdoor recreation.

Alternative 2 - No Action - There would be no expected changes in impacts from the current activities.

4.3 LAND USE

Alternative - 1 Preferred Action– A net positive impact is anticipated by NGPC. Use of the area will change from non-specialized/unutilized use to much more intensive use as a shooting range/education center. This project will provide shooting and outdoor education opportunities for the public in an area where such opportunities are limited.

According to NGPC, if necessary, the aforementioned camping area and trails will be removed, replaced, relocated, etc. to a practicable extent; however, no overall changes in land use are anticipated.

Adjacent land use is also expected to remain the same. The proposed project would not be expected to affect the adjacent land use, including the area of residential dwellings, due to topography, distances and directions of adjacent properties, and the design of the shooting range.

Alternative 2 - No Action– Land use will remain the same.

4.4 CULTURAL/HISTORIC RESOURCES

Alternative - 1 Preferred Action– No impacts are anticipated. If historic/archeological resources are encountered during construction or operation, all operations will cease, and the State Historic Preservation Office will be consulted before any work or operation is resumed.

NGPC inquired with the NSHPS in regard to historical/archeological resources in the proposed area. In a letter dated April 28, 2014, the NSHPS indicated that based on the information provided, there will be no affects to historic properties. This letter is included in Appendix F.

Alternative 2 - No Action– No impacts will occur.

4.5 NOISE

Alternative - 1 Preferred Action– Noise levels will increase with the construction and use of the shooting range. A sound study was not conducted as part of the proposed project as NGPC representatives do not believe that the use of the proposed shooting range will bring forth any noise issues. Although in closer proximity to the visitor's center than the currently existing shooting area (now closed), facility design (berms, baffles, etc.) will help deter sound. The currently existing shooting area can be heard from the visitor's center so the sound concerns here would most likely be due to increased shooting activity and proximity to the visitor's center. NGPC representatives do not believe that the use of the proposed shooting range will affect the housing community in the Wildcat Hills as the proposed site location is located further away (beyond two additional ridges) than the currently existing shooting area. In addition, it should be noted that the area of the proposed project receives traffic noise from the adjacent highway. As already mentioned, a noise study would be necessary to determine the actual decibel levels observed in the surrounding areas.

Alternative 2 - No Action– With this alternative there would be no shooting area at the park. As such, noise concerns are not an issue.

4.6 RECREATION

Alternative - 1 Preferred Action– The range will be open to the public during established hours yet to be set. Daily hours of operation will be adjusted according to daylight hours and majority user preferences. As the proposed project location is within the Wildcat Hills Recreation Area, development will maintain a park-like setting for outdoor recreation and cumulative effects should be minimal.

Alternative 2 - No Action– With the no action alternative, there will be no to very limited shooting/archery recreation opportunities at the Wildcat Hills Recreation Area.

4.7 SAFETY

Alternative - 1 Preferred Action– The shooting range will provide a positive impact to safety in the area. It will provide a safe and established location for archery and firearms shooting and education classes/events.

A large safety zone will be established for the facility and the entire area will be fenced. Flags will be flown on the fence when the range is in use. Shooting will be conducted in a controlled environment with bullet containment and no blue sky design.

With this action, the existing shooting area would be placed out of use, easing safety concerns associated with the existing area.

Alternative 2 - No Action–There are no expected safety concerns with this alternative as it will not provide any established shooting areas. Any safety concerns that may arise from this alternative would be due to unauthorized shooting at the recreation area due to a lack of an established shooting area.

4.8 LOCAL SOCIOECONOMIC CONDITIONS

Alternative - 1 Preferred Action–The shooting range will provide a positive impact due to increased use of the area. Locally, shooters will increase sales of gas, food, and lodging. More dispersed increases in sales of ammunition, guns and accessories would reasonably be expected to occur for area sporting goods and gun stores. Target and ammunition sales at the proposed facility will also generate revenue to be used for maintenance and upkeep of the facility.

Alternative 2 - No Action– This alternative would not have any socioeconomic benefits.

CHAPTER 5: COORDINATION AND CONSULTATION - AGENCIES

The NGPC is required to obtain approval of the shooting range from the USFWS and has worked closely with them on this project, incorporating their suggestions and requirements. To date, they have no objections to the project.

NGPC contacted the Nebraska State Historical Society to inquire about historical and cultural resources in the area of the proposed project. In a letter dated April 28, 2014, the Nebraska State Historical Society stated that, based on the information provided, there would be no affected historic properties. The response letter is included in Appendix F.

NGPC contacted the NGPC Wetlands Reserve Program in regard to the presence of wetlands in the project area. No concerns were expressed as the project area is not located within a floodplain and no wetlands are present at the site. The response letter is included in Appendix F.

NGPC contacted the NGPC Environmental Analyst in regard to the presence of endangered or threatened species in the proposed site location. No concerns were expressed with the development of the proposed project. The response letter is included in Appendix F.

CHAPTER 6: PUBLIC INVOLVEMENT PROCESS

A public copy of the Draft EA was made available for public comment upon approval from the USFWS. A 30 day notice will be required and the Service will coordinate the distribution of the draft out to the public via a news release.

Commission staff in the area have contacted many key people within the area including key partners, organizations and has highlighted this project in the publicly open "Plan for Meeting Shooting Range Needs of Nebraska." Commission administration and local staff feel the level of public discussion has been adequate for this project. All public discussion by local staff in the area has been met with support.

CHAPTER 7: PUBLIC COMMENT PROCESS

The availability of the draft Environmental Assessment was announced in a news release, distributed in western Nebraska in various newspapers. No comments were received from the public on the project.

CHAPTER 8: PREPARERS

Levi Allbaugh (Professional Geologist, Panhandle Geotechnical & Environmental, Inc.)
Lyle Huston, Nebraska Game and Parks Commission
Jeff Rawlins, Nebraska Game and Parks Commission
Tammy Snieder, Nebraska Game and Parks Commission
Otto Jose, USFWS, Region 6, Wildlife and Sport Fish Restoration Program

CHAPTER 9: WORKS CITED

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Maps http://outdoornebraska.ne.gov/wildlife/programs/nongame/Endangered_Threatened.asp
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<http://outdoornebraska.ne.gov/wildlife/programs/legacy/pdfs/Tier%20I%20List.pdf>

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United States Fish and Wildlife Service. Wetlands Database Layer (available through ArcGIS 10.2.2).

United States Geological Survey. National Hydrography Dataset Layer (available through ArcGIS 10.2.2).

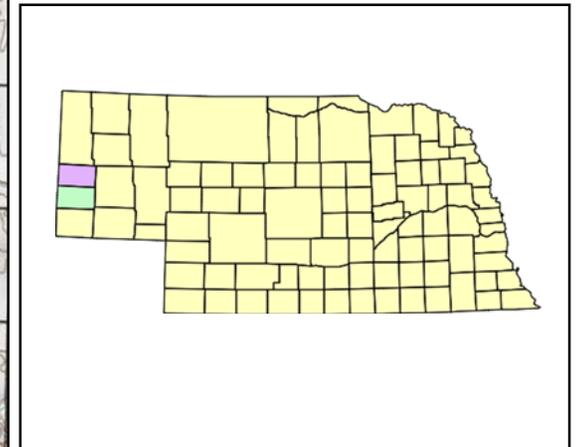
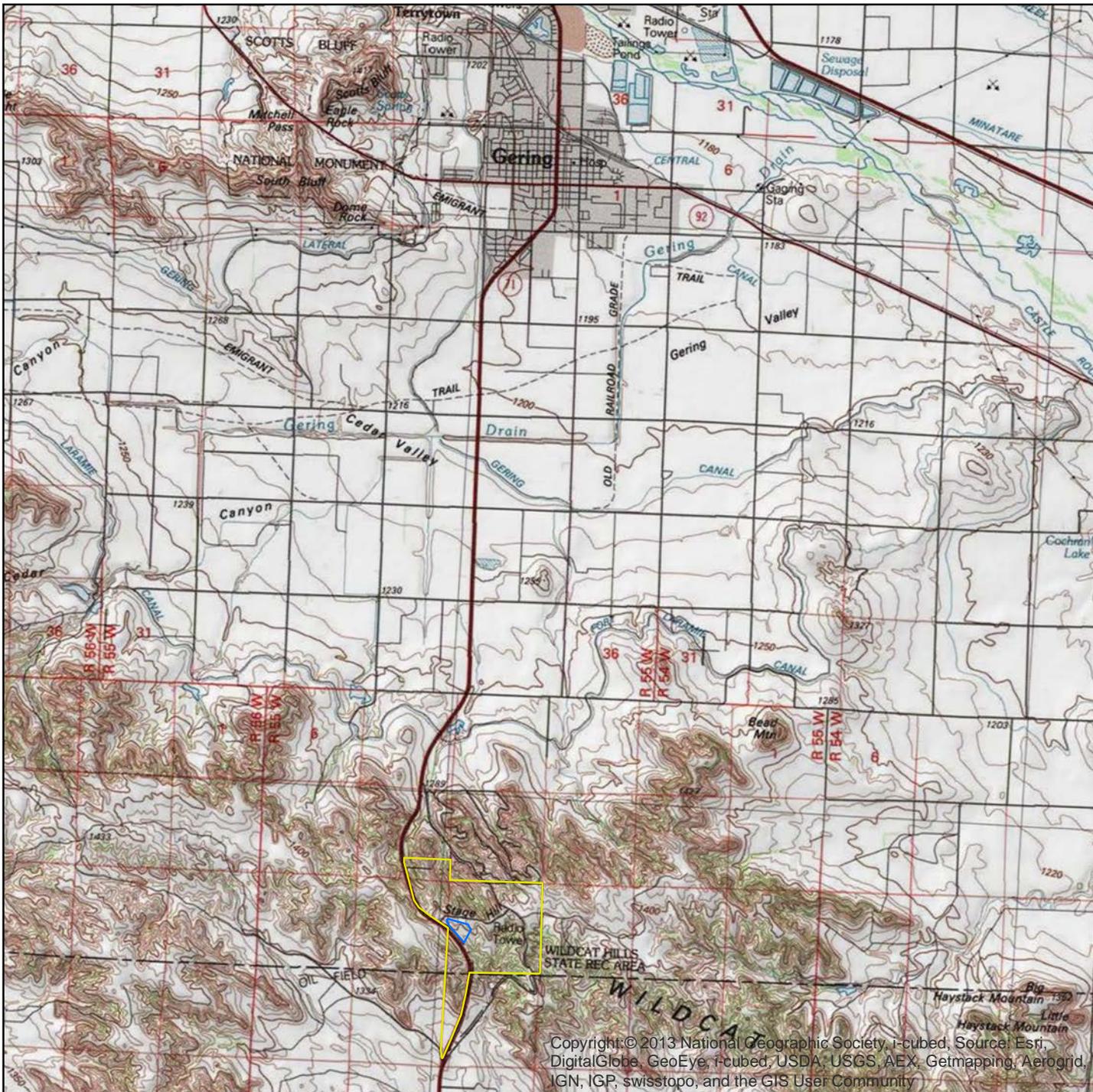
Appendix A

TOPOGRAPHIC MAPS

Wildcat Hills Recreation Area

Proposed Outdoor Heritage Center TOPOGRAPHIC MAP

-  Wildcat Hills Rec Area Boundary
-  Approximate Proposed Project Area



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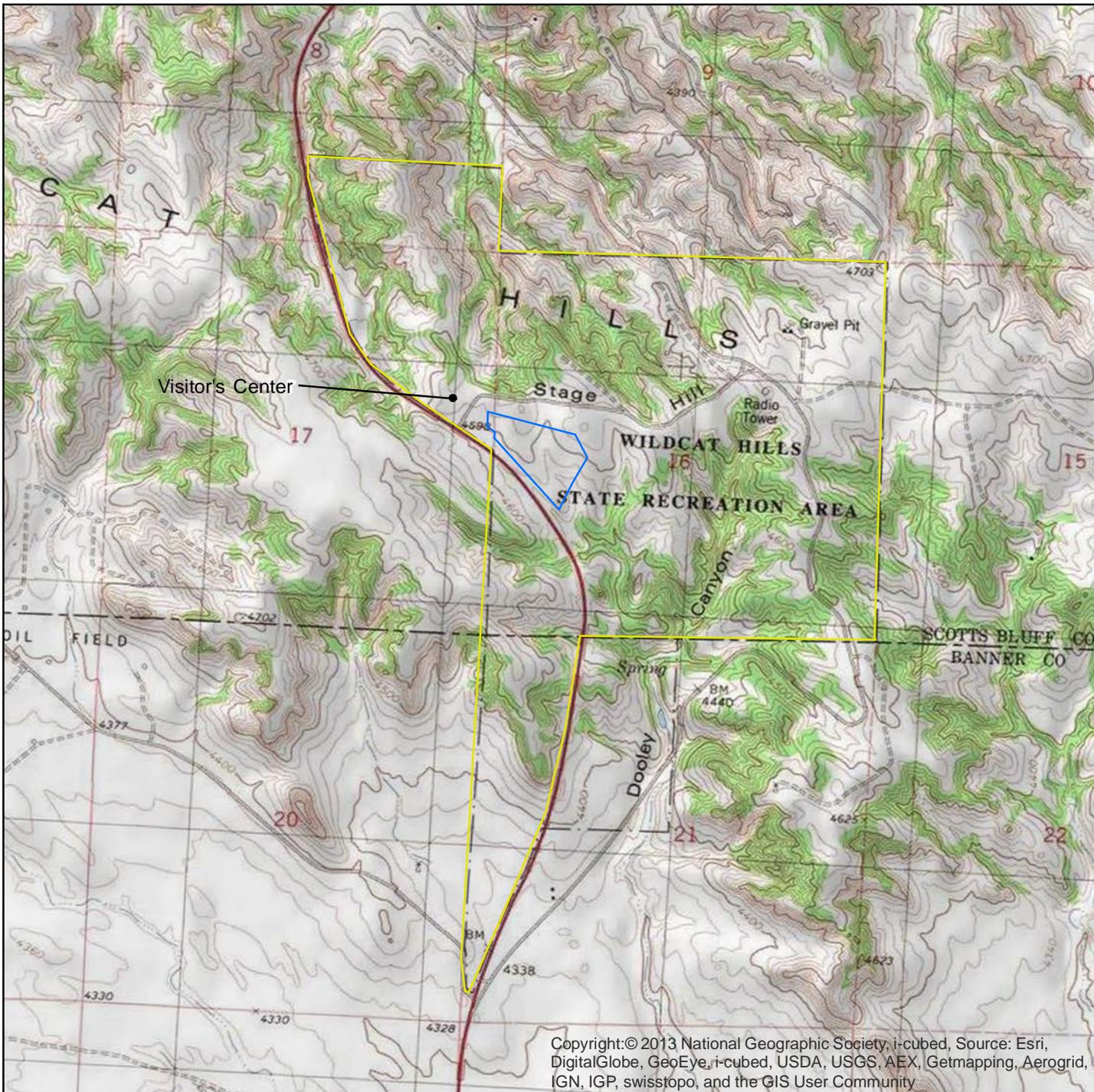
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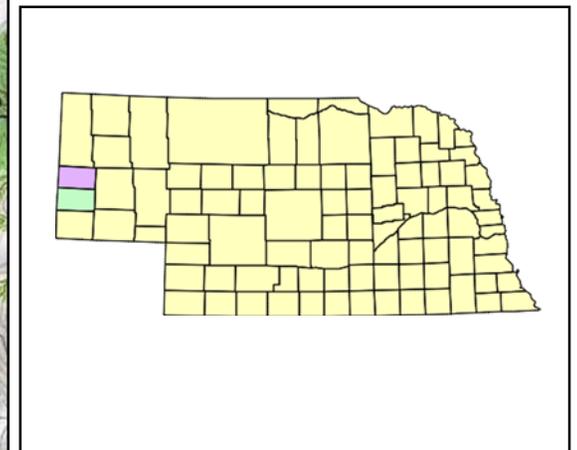
Wildcat Hills Recreation Area

Proposed Outdoor Heritage Center

TOPOGRAPHIC MAP



- Wildcat Hills Rec Area Boundary
- Approximate Proposed Project Area



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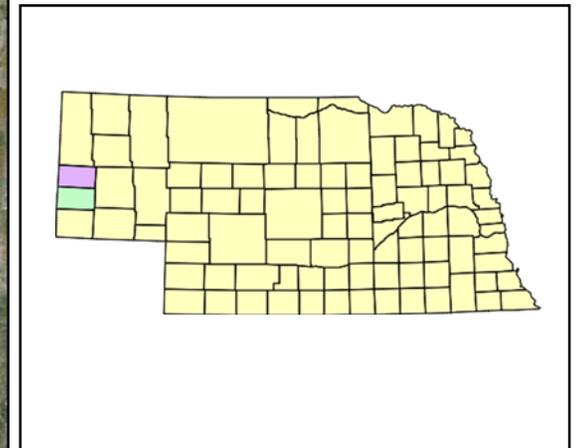
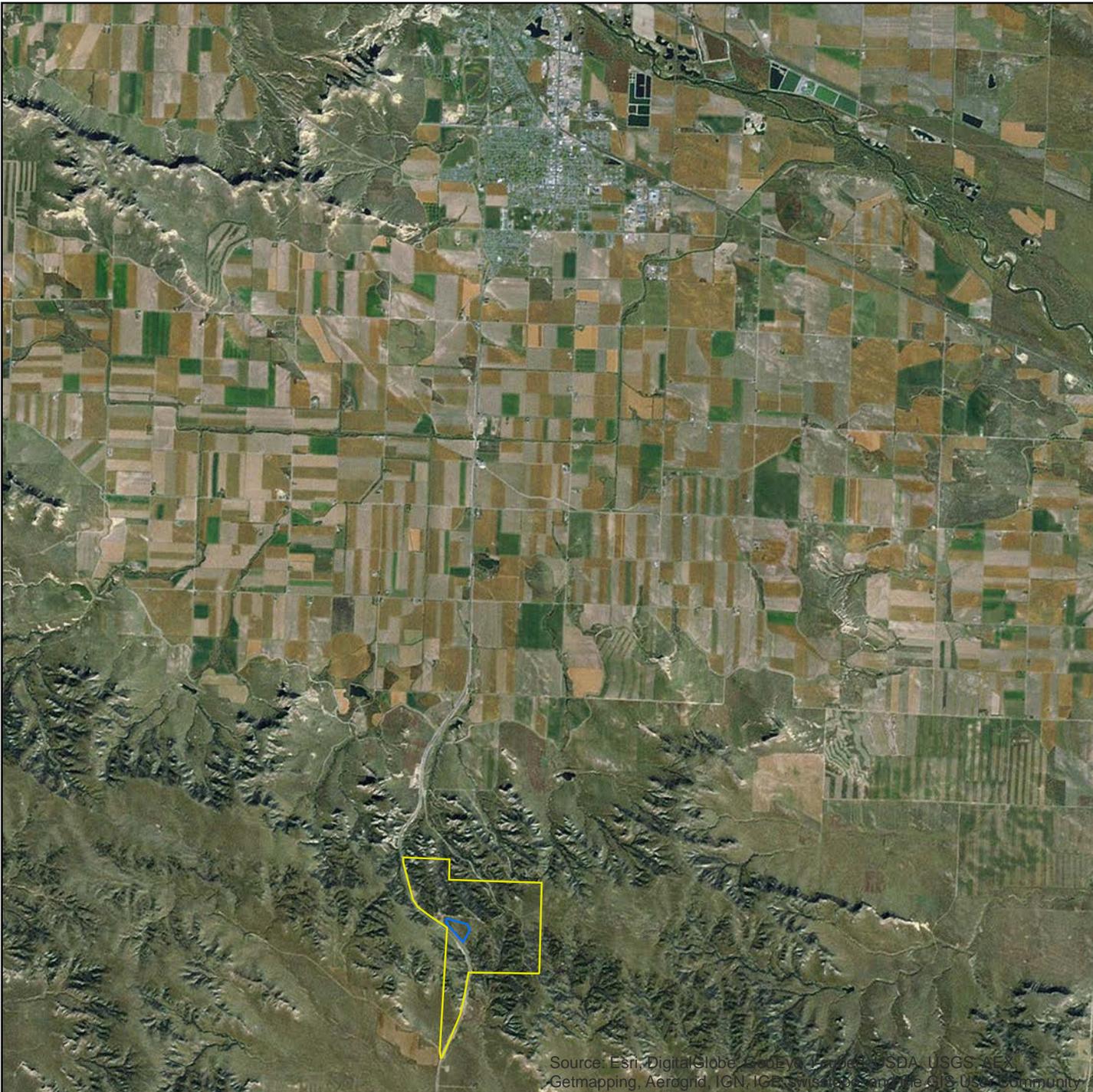
Appendix B
AERIAL PHOTOGRAPHS

Wildcat Hills Recreation Area

Proposed Outdoor Heritage Center

AERIAL PHOTOGRAPH

-  Wildcat Hills Rec Area Boundary
-  Approximate Proposed Project Area



Source: Esri, DigitalGlobe, GeoEye, Earthstar (USDA), USGS, AeroGRID, IGN, ICB, Swisstopo, and the GIS User Community

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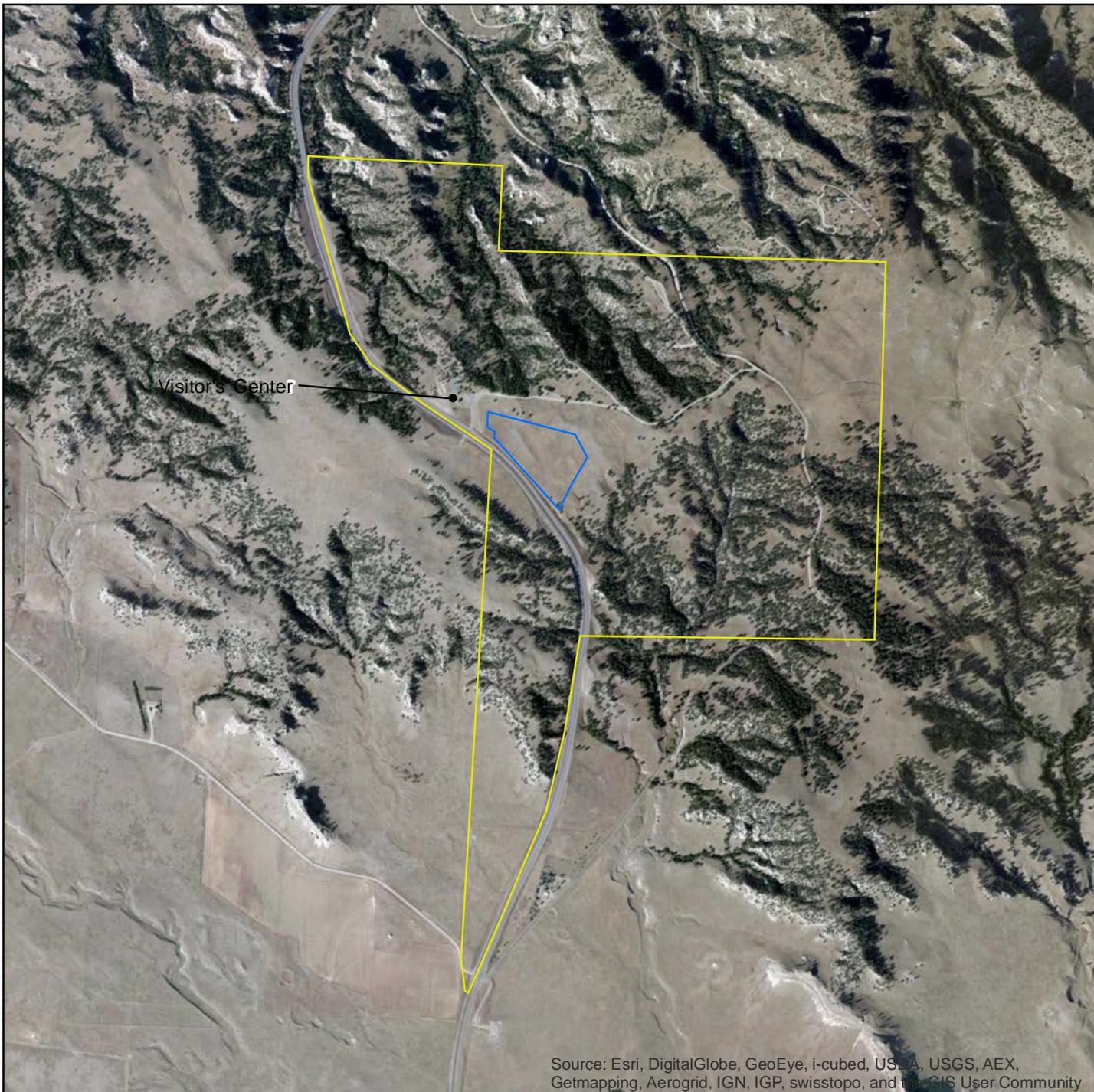
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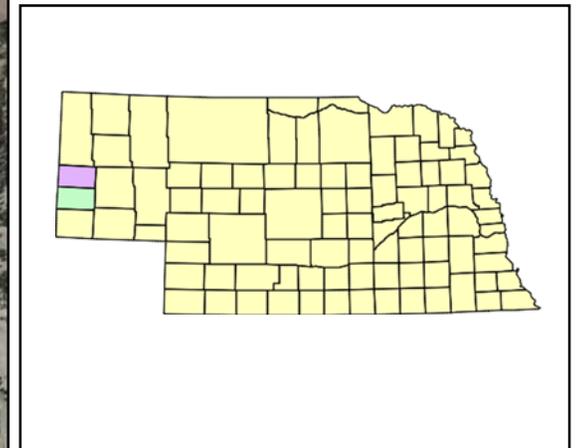
Wildcat Hills Recreation Area

Proposed Outdoor Heritage Center

AERIAL PHOTOGRAPH



- Wildcat Hills Rec Area Boundary
- Approximate Proposed Project Area



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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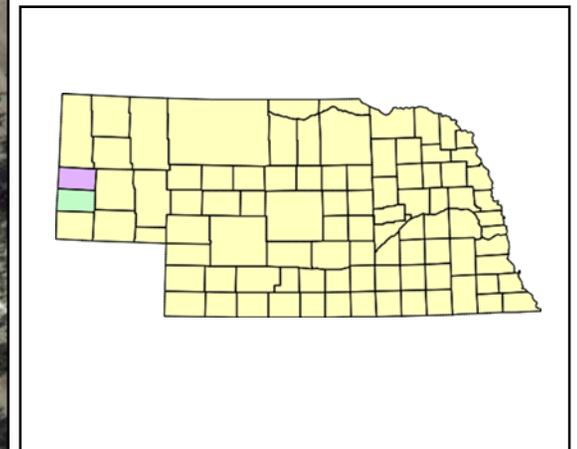
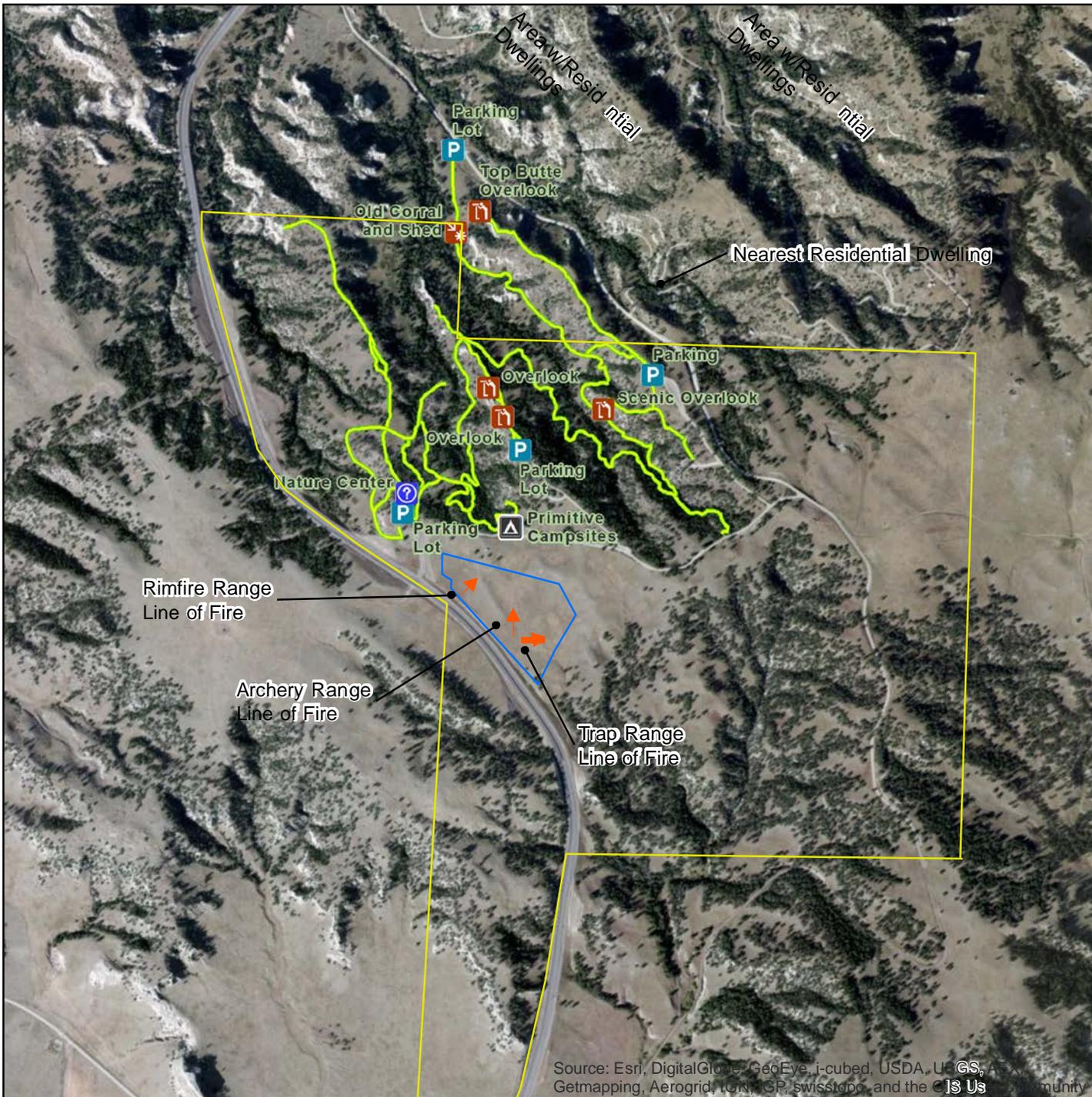
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&

Wildcat Hills Recreation Area

Proposed Outdoor Heritage Center

Trails & Amenities Map

—▶ Line of Fire

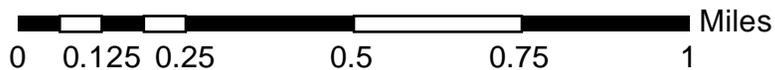


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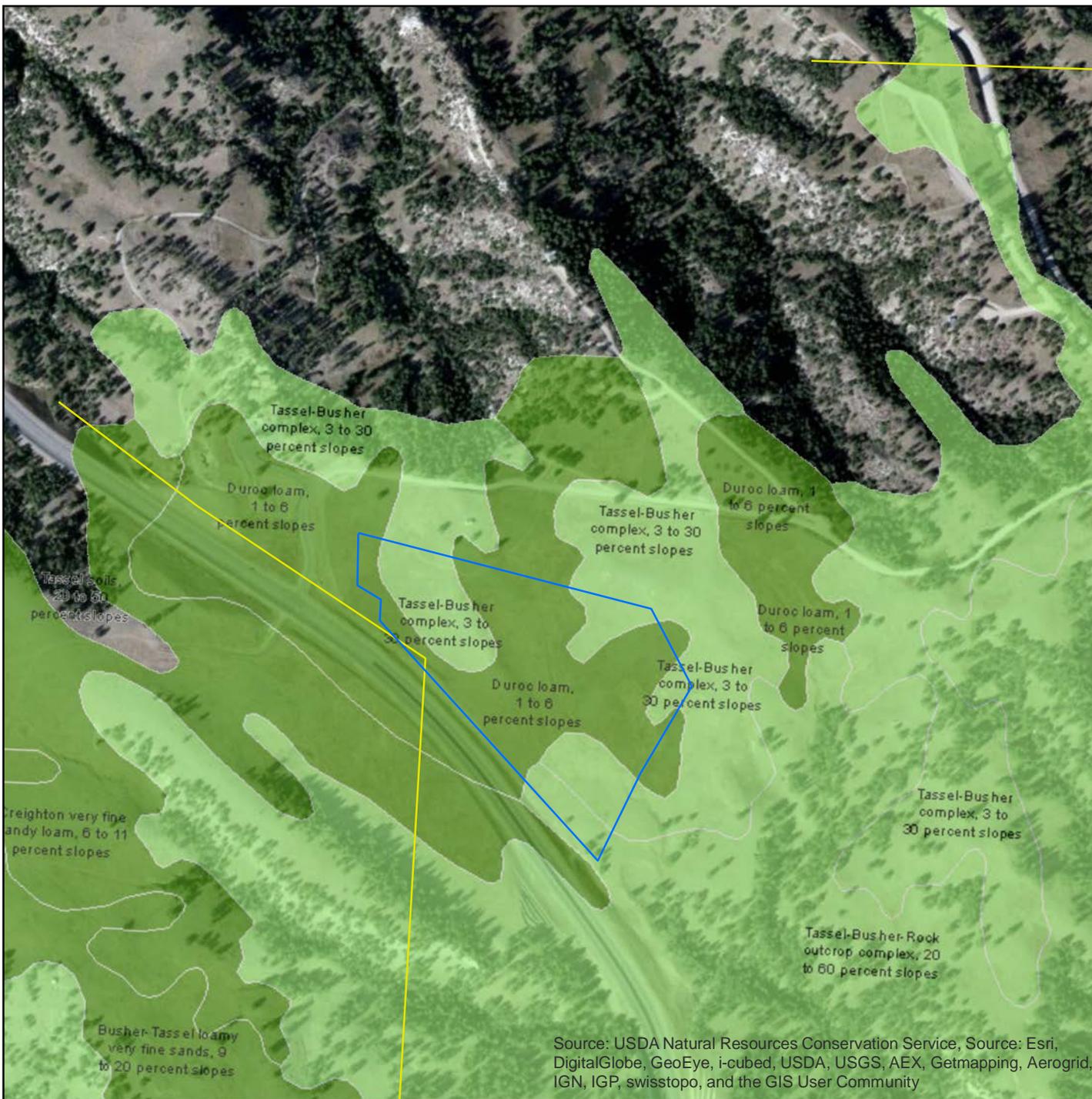
Appendix C

SOL TYPE MAP

Wildcat Hills Recreation Area

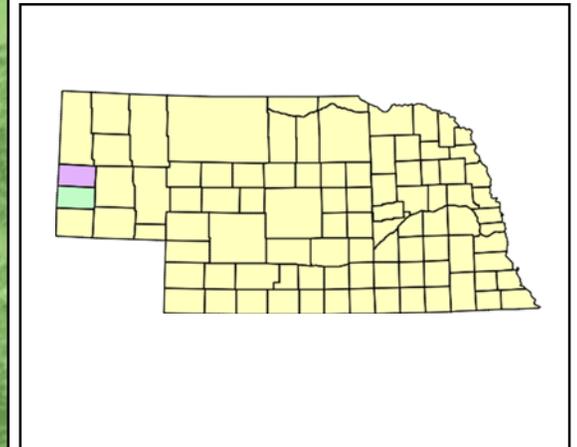
Proposed Outdoor Heritage Center SOIL TYPE MAP

- Wildcat Hills Rec Area Boundary
- Approximate Proposed Project Area



Source: USDA Natural Resources Conservation Service, Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

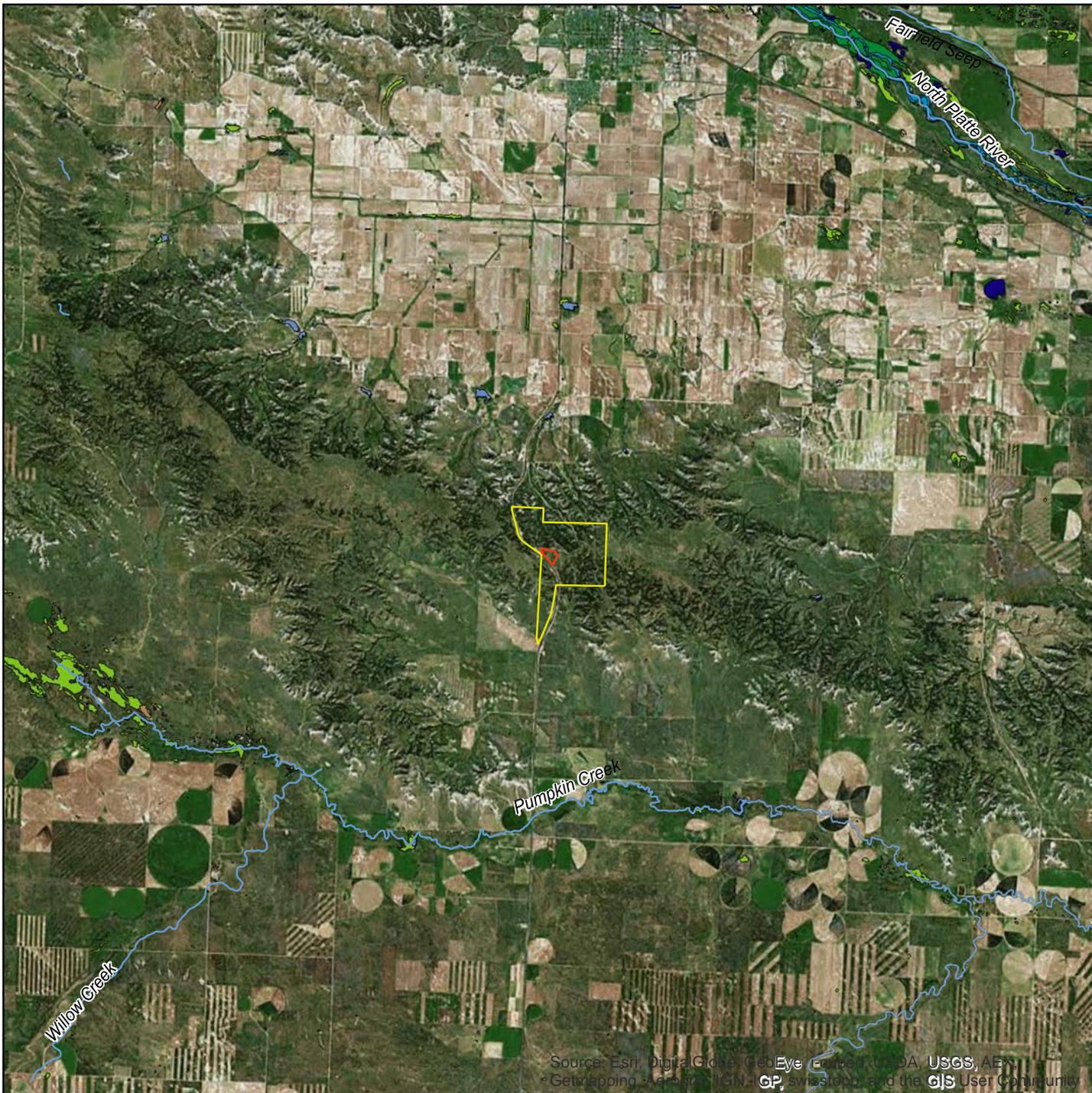
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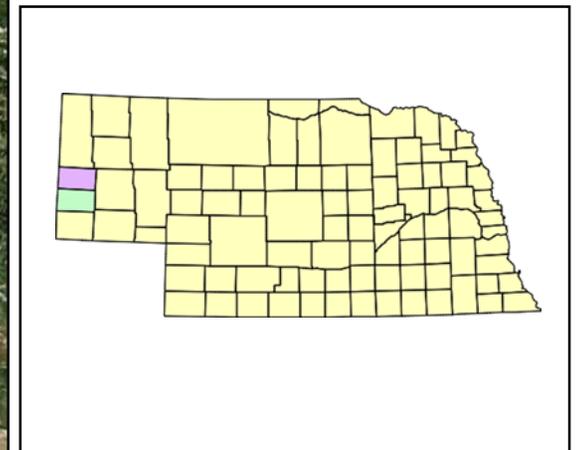
Wildcat Hills Recreation Area

Proposed Outdoor Heritage Center

WETLANDS, RIVERS, & STREAMS MAP

-  Rivers & Streams
-  Approximate Proposed Project Area
-  Wildcat Hills Rec Area Boundary

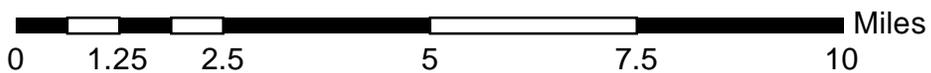
- Wetlands**
-  Estuarine and Marine Deepwater
 -  Estuarine and Marine Wetland
 -  Freshwater Emergent Wetland
 -  Freshwater Forested/Shrub Wetland
 -  Freshwater Pond
 -  Lake
 -  Other
 -  Riverine



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Source: Esri, DigitalGlobe, GeoEye, Earthstar (USA), USGS, AeroGRID, IGN, and the GIS User Community



Wildcat Hills Recreation Area

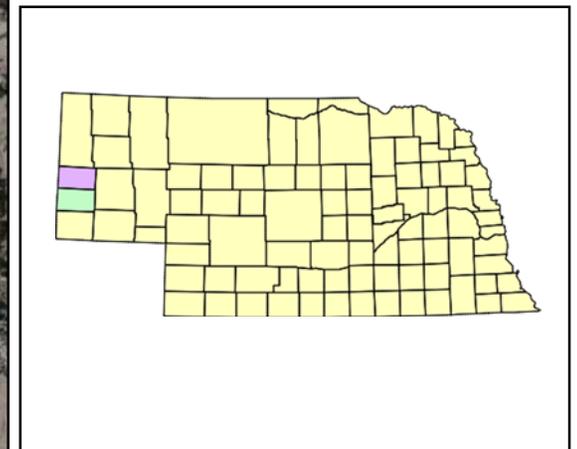
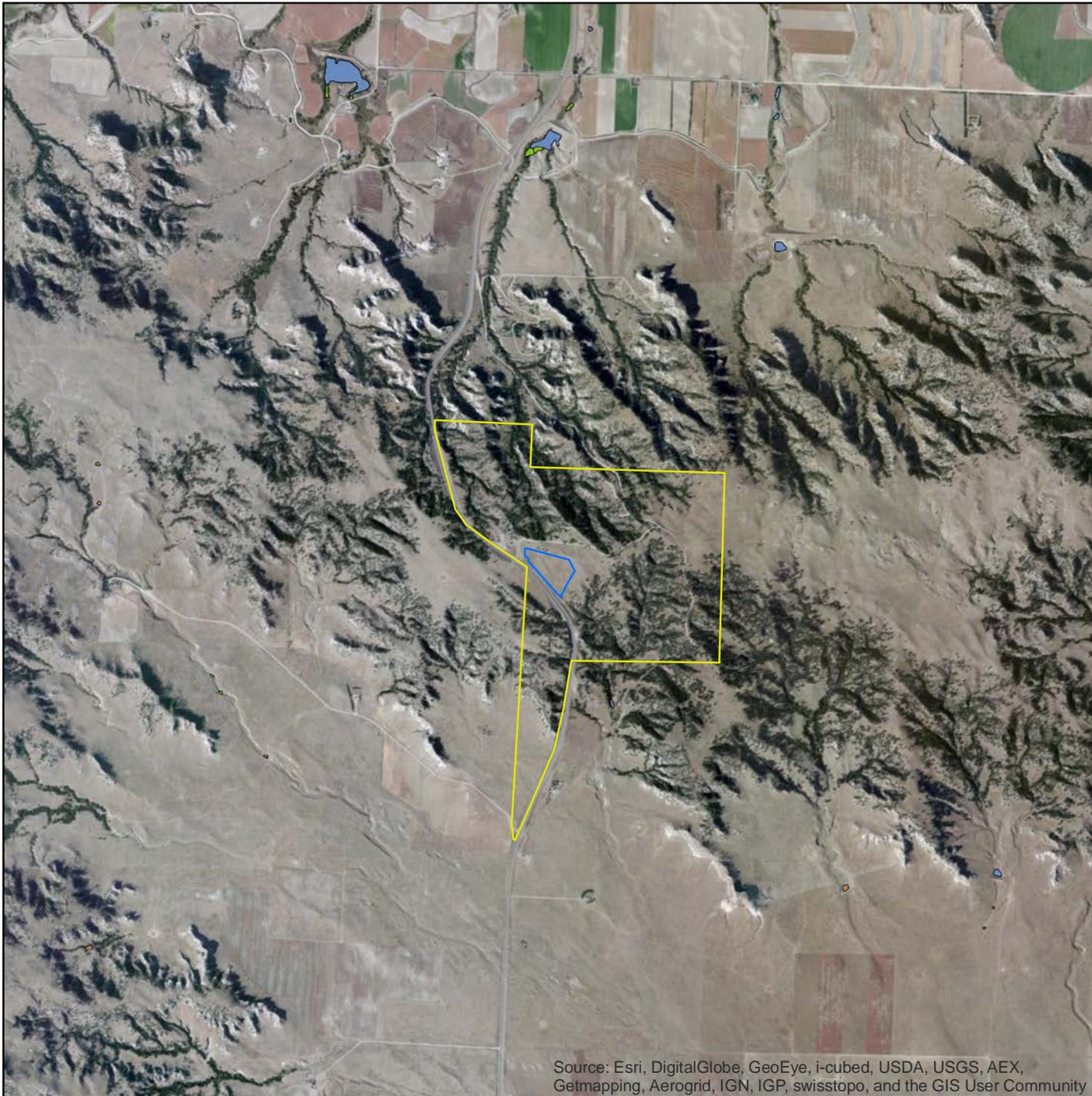
Proposed Outdoor Heritage Center

WETLANDS MAP

- Approximate Proposed Project Area
- Wildcat Hills Rec Area Boundary

WETLANDS

- | | |
|---|---|
|  Estuarine and Marine Deepwater |  Freshwater Pond |
|  Estuarine and Marine Wetland |  Lake |
|  Freshwater Emergent Wetland |  Other |
|  Freshwater Forested/Shrub Wetland |  Riverine |



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



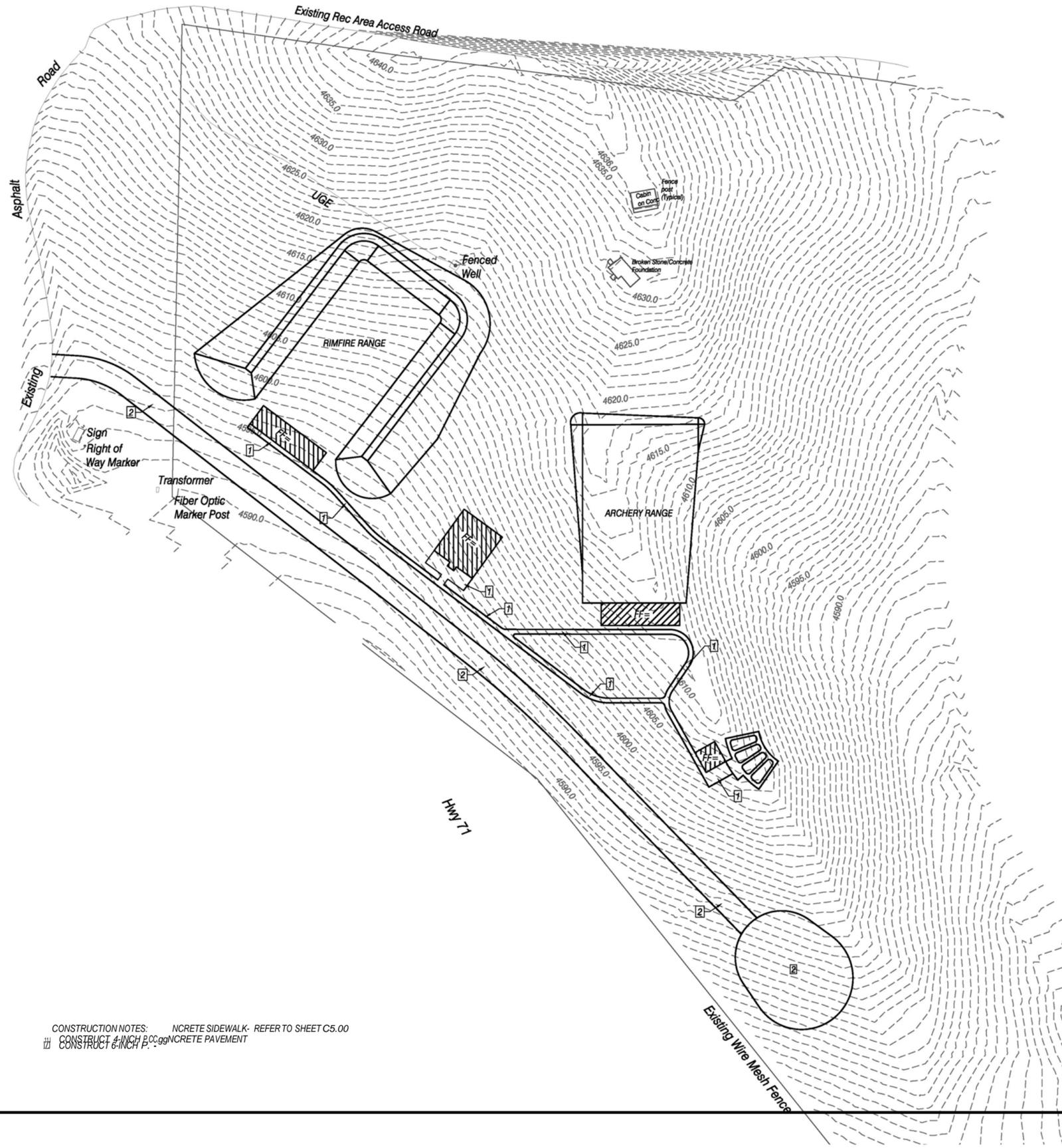
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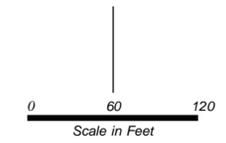
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Appendix D

PROJECT LAYOUT DIAGRAM



CONSTRUCTION NOTES: CONCRETE SIDEWALK- REFER TO SHEET C5.00
 CONSTRUCT 4-INCH CONC. ON CONCRETE PAVEMENT



DESIGN DEVELOPMENT

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STANDARD
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DATE:	12/18/2013
DRAWN:	CLN
REVISIONS	
DATE	DESCRIPTION

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SHEET
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Appendix E
WILDLIFE SPECIES LIST

Estimated Current Ranges of Threatened and Endangered Species: List of Species by County
 Nebraska Natural Heritage Program
 Nebraska Game and Parks Commission
 Version: January 2013

This table of species by county is based on the data product "Range maps for listed species in Nebraska, compiled and edited by the Nebraska Natural Heritage Program, January 2013." The map product was based on documented occurrences of listed species and expert knowledge about the distribution of species and suitable habitat. For a given county-species combination, the range of the given species covers some portion of the county (from all to very little). The individual species range map would need to be reviewed to determine if a particular location within the county is within the species's range. Because range maps are by their nature approximate, a given county-species combination was excluded from this table if the area covered was very small (less than 20 square kilometers). Included in the list are all federal and state listed species. Species Status: FE=Federal Endangered, FT=Federal Threatened, SE=State Endangered, ST=State Threatened.

County	Common Name	Scientific Name	Status
Adams	River Otter	<i>Lutra canadensis</i>	ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Antelope	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	River Otter	<i>Lutra canadensis</i>	ST
	Small White Lady's Slipper	<i>Cypripedium candidum</i>	ST
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Arthur	Whooping Crane	<i>Grus americana</i>	FE, SE
Banner	Mountain Plover	<i>Charadrius montanus</i>	ST
	Swift Fox	<i>Vulpes velox</i>	SE
Blaine	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	Blowout Penstemon	<i>Penstemon haydenii</i>	FE, SE
	Finescale Dace	<i>Phoxinus neogaeus</i>	ST
	Northern Redbelly Dace	<i>Phoxinus eos</i>	ST
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Boone	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	River Otter	<i>Lutra canadensis</i>	ST
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Box Butte	Blacknose Shiner	<i>Notropis heterolepis</i>	SE
	Blowout Penstemon	<i>Penstemon haydenii</i>	FE, SE
	Finescale Dace	<i>Phoxinus neogaeus</i>	ST
	Northern Redbelly Dace	<i>Phoxinus eos</i>	ST
	Swift Fox	<i>Vulpes velox</i>	SE
Boyd	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Lake Sturgeon	<i>Acipenser fulvescens</i>	ST

	Pallid Sturgeon	Scaphirhynchus albus	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Small White Lady's Slipper	Cypripedium candidum	ST
	Sturgeon Chub	Macrhybopsis gelida	SE
	Whooping Crane	Grus americana	FE, SE
Brown	American Burying Beetle	Nicrophorus americanus	FE, SE
	Blowout Penstemon	Penstemon haydenii	FE, SE
	Finescale Dace	Phoxinus neogaeus	ST
	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Northern Redbelly Dace	Phoxinus eos	ST
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Small White Lady's Slipper	Cypripedium candidum	ST
	Western Prairie Fringed Orchid	Platanthera praeclara	FT, ST
	Whooping Crane	Grus americana	FE, SE
Buffalo	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Small White Lady's Slipper	Cypripedium candidum	ST
	Whooping Crane	Grus americana	FE, SE
Burt	American Ginseng	Panax quinquefolium	ST
	Lake Sturgeon	Acipenser fulvescens	ST
	Pallid Sturgeon	Scaphirhynchus albus	FE, SE
	River Otter	Lutra canadensis	ST
	Sturgeon Chub	Macrhybopsis gelida	SE
Butler	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Lake Sturgeon	Acipenser fulvescens	ST
	Pallid Sturgeon	Scaphirhynchus albus	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Sturgeon Chub	Macrhybopsis gelida	SE
	Whooping Crane	Grus americana	FE, SE
Cass	American Ginseng	Panax quinquefolium	ST
	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Lake Sturgeon	Acipenser fulvescens	ST
	Pallid Sturgeon	Scaphirhynchus albus	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Southern Flying Squirrel	Glaucomys volans	ST
	Sturgeon Chub	Macrhybopsis gelida	SE
	Western Prairie Fringed Orchid	Platanthera praeclara	FT, ST
Cedar	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Lake Sturgeon	Acipenser fulvescens	ST
	Pallid Sturgeon	Scaphirhynchus albus	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	Scaleshell Mussel	Leptodea leptodon	FE, SE
	Sturgeon Chub	Macrhybopsis gelida	SE
Chase	Swift Fox	Vulpes velox	SE
	Whooping Crane	Grus americana	FE, SE
Cherry	American Burying Beetle	Nicrophorus americanus	FE, SE
	Blacknose Shiner	Notropis heterolepis	SE

	Blowout Penstemon	Penstemon haydenii	FE, SE
	Finescale Dace	Phoxinus neogaeus	ST
	Northern Redbelly Dace	Phoxinus eos	ST
	River Otter	Lutra canadensis	ST
	Small White Lady's Slipper	Cypripedium candidum	ST
	Swift Fox	Vulpes velox	SE
	Topeka Shiner	Notropis topeka	FE, SE
	Western Prairie Fringed Orchid	Platanthera praeclara	FT, ST
	Whooping Crane	Grus americana	FE, SE
Cheyenne	Mountain Plover	Charadrius montanus	ST
	Swift Fox	Vulpes velox	SE
	Whooping Crane	Grus americana	FE, SE
Clay	Whooping Crane	Grus americana	FE, SE
Colfax	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Lake Sturgeon	Acipenser fulvescens	ST
	Massasauga	Sistrurus catenatus	ST
	Pallid Sturgeon	Scaphirhynchus albus	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Sturgeon Chub	Macrhybopsis gelida	SE
	Whooping Crane	Grus americana	FE, SE
Cuming	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
Custer	American Burying Beetle	Nicrophorus americanus	FE, SE
	Blowout Penstemon	Penstemon haydenii	FE, SE
	Finescale Dace	Phoxinus neogaeus	ST
	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Northern Redbelly Dace	Phoxinus eos	ST
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Small White Lady's Slipper	Cypripedium candidum	ST
	Whooping Crane	Grus americana	FE, SE
Dakota	American Ginseng	Panax quinquefolium	ST
	Lake Sturgeon	Acipenser fulvescens	ST
	Pallid Sturgeon	Scaphirhynchus albus	FE, SE
	Sturgeon Chub	Macrhybopsis gelida	SE
Dawes	Blacknose Shiner	Notropis heterolepis	SE
	Finescale Dace	Phoxinus neogaeus	ST
	Northern Redbelly Dace	Phoxinus eos	ST
	Swift Fox	Vulpes velox	SE
	Whooping Crane	Grus americana	FE, SE
Dawson	American Burying Beetle	Nicrophorus americanus	FE, SE
	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Whooping Crane	Grus americana	FE, SE
Deuel	Swift Fox	Vulpes velox	SE
Dixon	American Ginseng	Panax quinquefolium	ST
	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Lake Sturgeon	Acipenser fulvescens	ST
	Pallid Sturgeon	Scaphirhynchus albus	FE, SE

	Piping Plover	Charadrius melodus	FT, ST
	Scaleshell Mussel	Leptodea leptodon	FE, SE
	Sturgeon Chub	Macrhybopsis gelida	SE
Dodge	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Lake Sturgeon	Acipenser fulvescens	ST
	Massasauga	Sistrurus catenatus	ST
	Pallid Sturgeon	Scaphirhynchus albus	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Sturgeon Chub	Macrhybopsis gelida	SE
Douglas	American Ginseng	Panax quinquefolium	ST
	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Lake Sturgeon	Acipenser fulvescens	ST
	Pallid Sturgeon	Scaphirhynchus albus	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Sturgeon Chub	Macrhybopsis gelida	SE
Dundy	Swift Fox	Vulpes velox	SE
Fillmore	Whooping Crane	Grus americana	FE, SE
Franklin	River Otter	Lutra canadensis	ST
	Whooping Crane	Grus americana	FE, SE
Frontier	American Burying Beetle	Nicrophorus americanus	FE, SE
	Swift Fox	Vulpes velox	SE
	Whooping Crane	Grus americana	FE, SE
Furnas	Swift Fox	Vulpes velox	SE
	Whooping Crane	Grus americana	FE, SE
Gage	Massasauga	Sistrurus catenatus	ST
	Western Prairie Fringed Orchid	Platanthera praeclara	FT, ST
Garden	Blowout Penstemon	Penstemon haydenii	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Swift Fox	Vulpes velox	SE
	Whooping Crane	Grus americana	FE, SE
Garfield	American Burying Beetle	Nicrophorus americanus	FE, SE
	River Otter	Lutra canadensis	ST
	Western Prairie Fringed Orchid	Platanthera praeclara	FT, ST
	Whooping Crane	Grus americana	FE, SE
Gosper	American Burying Beetle	Nicrophorus americanus	FE, SE
	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Swift Fox	Vulpes velox	SE
	Whooping Crane	Grus americana	FE, SE
Grant	Blowout Penstemon	Penstemon haydenii	FE, SE
	Finescale Dace	Phoxinus neogaeus	ST
	Northern Redbelly Dace	Phoxinus eos	ST
	Western Prairie Fringed Orchid	Platanthera praeclara	FT, ST
	Whooping Crane	Grus americana	FE, SE
Greeley	American Burying Beetle	Nicrophorus americanus	FE, SE
	River Otter	Lutra canadensis	ST
	Small White Lady's Slipper	Cypripedium candidum	ST
	Western Prairie Fringed Orchid	Platanthera praeclara	FT, ST

	Whooping Crane	<i>Grus americana</i>	FE, SE
Hall	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Small White Lady's Slipper	<i>Cypripedium candidum</i>	ST
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Hamilton	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Harlan	River Otter	<i>Lutra canadensis</i>	ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Hayes	Swift Fox	<i>Vulpes velox</i>	SE
	Whooping Crane	<i>Grus americana</i>	FE, SE
Hitchcock	Swift Fox	<i>Vulpes velox</i>	SE
	Whooping Crane	<i>Grus americana</i>	FE, SE
Holt	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Small White Lady's Slipper	<i>Cypripedium candidum</i>	ST
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Hooker	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	Blowout Penstemon	<i>Penstemon haydenii</i>	FE, SE
	Finescale Dace	<i>Phoxinus neogaeus</i>	ST
	Northern Redbelly Dace	<i>Phoxinus eos</i>	ST
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Howard	Finescale Dace	<i>Phoxinus neogaeus</i>	ST
	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Small White Lady's Slipper	<i>Cypripedium candidum</i>	ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Jefferson	Massasauga	<i>Sistrurus catenatus</i>	ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Johnson	Massasauga	<i>Sistrurus catenatus</i>	ST
	River Otter	<i>Lutra canadensis</i>	ST
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Kearney	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Keith	Finescale Dace	<i>Phoxinus neogaeus</i>	ST
	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Northern Redbelly Dace	<i>Phoxinus eos</i>	ST
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Swift Fox	<i>Vulpes velox</i>	SE

	Whooping Crane	<i>Grus americana</i>	FE, SE
Keya Paha	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	Blacknose Shiner	<i>Notropis heterolepis</i>	SE
	Finescale Dace	<i>Phoxinus neogaeus</i>	ST
	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Northern Redbelly Dace	<i>Phoxinus eos</i>	ST
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Small White Lady's Slipper	<i>Cypripedium candidum</i>	ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Kimball	Colorado Butterfly Plant	<i>Gaura neomexicana</i> ssp. <i>colora</i>	FT, SE
	Mountain Plover	<i>Charadrius montanus</i>	ST
	Swift Fox	<i>Vulpes velox</i>	SE
Knox	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Lake Sturgeon	<i>Acipenser fulvescens</i>	ST
	Pallid Sturgeon	<i>Scaphirhynchus albus</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Sturgeon Chub	<i>Macrhybopsis gelida</i>	SE
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Lancaster	Salt Creek Tiger Beetle	<i>Cicindela nevadica lincolniana</i>	FE, SE
	Saltwort	<i>Salicornia rubra</i>	SE
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Lincoln	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	Finescale Dace	<i>Phoxinus neogaeus</i>	ST
	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Northern Redbelly Dace	<i>Phoxinus eos</i>	ST
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Swift Fox	<i>Vulpes velox</i>	SE
	Whooping Crane	<i>Grus americana</i>	FE, SE
Logan	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	Blowout Penstemon	<i>Penstemon haydenii</i>	FE, SE
	Finescale Dace	<i>Phoxinus neogaeus</i>	ST
	Northern Redbelly Dace	<i>Phoxinus eos</i>	ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Loup	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	Blowout Penstemon	<i>Penstemon haydenii</i>	FE, SE
	River Otter	<i>Lutra canadensis</i>	ST
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Madison	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Small White Lady's Slipper	<i>Cypripedium candidum</i>	ST
	Topeka Shiner	<i>Notropis topeka</i>	FE, SE
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
McPherson	Blowout Penstemon	<i>Penstemon haydenii</i>	FE, SE

	Finescale Dace	Phoxinus neogaeus	ST
	Northern Redbelly Dace	Phoxinus eos	ST
	Whooping Crane	Grus americana	FE, SE
Merrick	Finescale Dace	Phoxinus neogaeus	ST
	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Small White Lady's Slipper	Cypripedium candidum	ST
	Whooping Crane	Grus americana	FE, SE
	Morrill	Blowout Penstemon	Penstemon haydenii
River Otter		Lutra canadensis	ST
Swift Fox		Vulpes velox	SE
Whooping Crane		Grus americana	FE, SE
Nance	Finescale Dace	Phoxinus neogaeus	ST
	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Small White Lady's Slipper	Cypripedium candidum	ST
	Whooping Crane	Grus americana	FE, SE
	Nemaha	American Ginseng	Panax quinquefolium
Lake Sturgeon		Acipenser fulvescens	ST
Pallid Sturgeon		Scaphirhynchus albus	FE, SE
River Otter		Lutra canadensis	ST
Southern Flying Squirrel		Glaucomys volans	ST
Sturgeon Chub		Macrhybopsis gelida	SE
Western Prairie Fringed Orchid		Platanthera praeclara	FT, ST
Nuckolls	Whooping Crane	Grus americana	FE, SE
Otoe	American Ginseng	Panax quinquefolium	ST
	Lake Sturgeon	Acipenser fulvescens	ST
	Pallid Sturgeon	Scaphirhynchus albus	FE, SE
	River Otter	Lutra canadensis	ST
	Southern Flying Squirrel	Glaucomys volans	ST
	Sturgeon Chub	Macrhybopsis gelida	SE
	Western Prairie Fringed Orchid	Platanthera praeclara	FT, ST
Pawnee	Massasauga	Sistrurus catenatus	ST
Perkins	Swift Fox	Vulpes velox	SE
	Whooping Crane	Grus americana	FE, SE
Phelps	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Whooping Crane	Grus americana	FE, SE
Pierce	Small White Lady's Slipper	Cypripedium candidum	ST
	Western Prairie Fringed Orchid	Platanthera praeclara	FT, ST
	Whooping Crane	Grus americana	FE, SE
Platte	Interior Least Tern	Sternula antillarum athalassos	FE, SE
	Lake Sturgeon	Acipenser fulvescens	ST
	Pallid Sturgeon	Scaphirhynchus albus	FE, SE
	Piping Plover	Charadrius melodus	FT, ST
	River Otter	Lutra canadensis	ST
	Small White Lady's Slipper	Cypripedium candidum	ST
	Sturgeon Chub	Macrhybopsis gelida	SE
	Western Prairie Fringed Orchid	Platanthera praeclara	FT, ST

	Whooping Crane	<i>Grus americana</i>	FE, SE
Polk	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Red Willow	Swift Fox	<i>Vulpes velox</i>	SE
	Whooping Crane	<i>Grus americana</i>	FE, SE
Richardson	American Ginseng	<i>Panax quinquefolium</i>	ST
	Lake Sturgeon	<i>Acipenser fulvescens</i>	ST
	Massasauga	<i>Sistrurus catenatus</i>	ST
	Pallid Sturgeon	<i>Scaphirhynchus albus</i>	FE, SE
	River Otter	<i>Lutra canadensis</i>	ST
	Southern Flying Squirrel	<i>Glaucomys volans</i>	ST
	Sturgeon Chub	<i>Macrhybopsis gelida</i>	SE
Rock	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	Blowout Penstemon	<i>Penstemon haydenii</i>	FE, SE
	Finescale Dace	<i>Phoxinus neogaeus</i>	ST
	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Northern Redbelly Dace	<i>Phoxinus eos</i>	ST
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Small White Lady's Slipper	<i>Cypripedium candidum</i>	ST
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
	Saline	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>
Whooping Crane		<i>Grus americana</i>	FE, SE
Sarpy	American Ginseng	<i>Panax quinquefolium</i>	ST
	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Lake Sturgeon	<i>Acipenser fulvescens</i>	ST
	Pallid Sturgeon	<i>Scaphirhynchus albus</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Sturgeon Chub	<i>Macrhybopsis gelida</i>	SE
Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST	
Saunders	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Lake Sturgeon	<i>Acipenser fulvescens</i>	ST
	Pallid Sturgeon	<i>Scaphirhynchus albus</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Salt Creek Tiger Beetle	<i>Cicindela nevadica lincolniana</i>	FE, SE
	Saltwort	<i>Salicornia rubra</i>	SE
	Sturgeon Chub	<i>Macrhybopsis gelida</i>	SE
Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST	
Scotts Bluff	River Otter	<i>Lutra canadensis</i>	ST
	Swift Fox	<i>Vulpes velox</i>	SE
	Whooping Crane	<i>Grus americana</i>	FE, SE
Seward	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Sheridan	Blowout Penstemon	<i>Penstemon haydenii</i>	FE, SE
	Finescale Dace	<i>Phoxinus neogaeus</i>	ST
	Northern Redbelly Dace	<i>Phoxinus eos</i>	ST
	River Otter	<i>Lutra canadensis</i>	ST

	Swift Fox	<i>Vulpes velox</i>	SE
	Whooping Crane	<i>Grus americana</i>	FE, SE
Sherman	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Small White Lady's Slipper	<i>Cypripedium candidum</i>	ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Sioux	Finescale Dace	<i>Phoxinus neogaeus</i>	ST
	Northern Redbelly Dace	<i>Phoxinus eos</i>	ST
	River Otter	<i>Lutra canadensis</i>	ST
	Swift Fox	<i>Vulpes velox</i>	SE
	Ute Ladies'-tresses	<i>Spiranthes diluvialis</i>	FT, ST
Stanton	Whooping Crane	<i>Grus americana</i>	FE, SE
	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Small White Lady's Slipper	<i>Cypripedium candidum</i>	ST
	Topeka Shiner	<i>Notropis topeka</i>	FE, SE
Thayer	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Thomas	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	Blowout Penstemon	<i>Penstemon haydenii</i>	FE, SE
	Finescale Dace	<i>Phoxinus neogaeus</i>	ST
	Northern Redbelly Dace	<i>Phoxinus eos</i>	ST
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Thurston	American Ginseng	<i>Panax quinquefolium</i>	ST
	Lake Sturgeon	<i>Acipenser fulvescens</i>	ST
	Pallid Sturgeon	<i>Scaphirhynchus albus</i>	FE, SE
	River Otter	<i>Lutra canadensis</i>	ST
	Sturgeon Chub	<i>Macrhybopsis gelida</i>	SE
Valley	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	River Otter	<i>Lutra canadensis</i>	ST
	Small White Lady's Slipper	<i>Cypripedium candidum</i>	ST
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
Washington	American Ginseng	<i>Panax quinquefolium</i>	ST
	Interior Least Tern	<i>Sternula antillarum athalassos</i>	FE, SE
	Lake Sturgeon	<i>Acipenser fulvescens</i>	ST
	Pallid Sturgeon	<i>Scaphirhynchus albus</i>	FE, SE
	Piping Plover	<i>Charadrius melodus</i>	FT, ST
	Sturgeon Chub	<i>Macrhybopsis gelida</i>	SE
Wayne	Small White Lady's Slipper	<i>Cypripedium candidum</i>	ST
Webster	Whooping Crane	<i>Grus americana</i>	FE, SE
Wheeler	American Burying Beetle	<i>Nicrophorus americanus</i>	FE, SE
	River Otter	<i>Lutra canadensis</i>	ST
	Western Prairie Fringed Orchid	<i>Platanthera praeclara</i>	FT, ST
	Whooping Crane	<i>Grus americana</i>	FE, SE
York	Whooping Crane	<i>Grus americana</i>	FE, SE

Appendix F

RESPONSE LETTERS



April 28, 2014

Lyle L. Huston
Nebraska Game and Parks Commission
2200 N 33rd
Lincoln, NE 68503

RE: HP 1404-150-01 Wildcat Hills SRA Outdoor Heritage Education Center, Scotts Bluff Co.

Dear Mr. Huston:

Thank you for submitting the referenced project proposal for our review and comment. Our comment on this project and its potential to affect historic properties is required by Section 106 of the National Historic Preservation Act of 1966, as amended, and implementing regulations 36 CFR Part 800.

Given the information provided, in our opinion there will be no historic properties affected by the project as proposed. Should any changes in the project be made or in the type of funding or assistance provided through federal or state agencies, please notify this office of the changes before further project planning continues.

Please retain this correspondence and your documented finding in order to show compliance with Section 106 of the National Historic Preservation Act, as amended. If you have any questions, please contact Jill Dolberg at 402-471-4773.

Sincerely,

.

berg

Review and Compliance Coordinator
Nebraska State Historical Society

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Nebraska Game and Parks Commission

Outdoor Education Division

2200 N 33rd, Lincoln, NE 68503

Phone: 402-471-5544/ email: lyle.huston@nebraska.gov

MEMORANDUM

To: Carey Grell, Environmental Analyst

From: Lyle L. Huston, Outdoor Education Specialist

Re: Consultation Concerning Endangered or Threatened Species

Date: May 29th, 2013

Your review of the project described below is requested to comply with State Statute 37-807, R.R.S., 1943, as amended.

Please note your determination below and include a statement of how you want to proceed for all designations of. Sign and date on the lines provided and return to me at the address listed on this memorandum.

Project

Wildcat Hills SRA Outdoor Heritage Education Center, located in the S1/2 NW1/4 and N1/2 SW1/4 of Section 17, T 20N, R55W and the E1/2 NE1/4 of Section 17, T20N R55W, in Scottsbluff County, Nebraska. All proposed range work is in a previously disturbed area, currently being used as a State Recreation Area, open to public access for hunting.

- Development of an Outdoor Heritage Educational Center, similar to the recently developed facility at Platte River State Park. The Wildcat Hills OHEC will feature an outdoor small bore rifle range with targets at 25 and 50 meters, an outdoor target archery range with targets from 5 to 60 yards, an indoor air gun range with adjustable targets from 0 to 10 meters and an outdoor standard ATA trap range with a 5 stand sporting clays range.

If you have any questions or need more information, please contact me at your convenience.

Determination: 1 No effect 2 May affect 3 Needs further study

Statement:

Date

Game and Parks Commission

Environmental Analyst

Huston, Lyle

From: LaGrange, Ted
Sent: Monday, April 14, 2014 9:34 AM
To: Huston, Lyle
Subject: FW: Federal Aid wetland review for Killdeer WMA rifle range

Ted LaGrange
Wetland Program Manager
Nebraska Game and Parks Commission
P.O. Box 30370
Lincoln, NE 68503
Phone: (402) 471-5436
Fax: (402) 471-5528
ted.lagrange@nebraska.gov

Visit us on the web at www.NebraskaWetlands.com

From: LaGrange, Ted
Sent: Wednesday, January 08, 2014 10:04 AM
To: Huston, Lyle
Subject: Federal Aid wetland review for Killdeer WMA rifle range

Lyle,

I have completed a federal aid wetland review of the project to construct a rifle sight-in range at Killdeer WMA. Based on the information provided, it is my opinion that this project will not negatively impact wetlands. If you need additional input or review, please let me know. Thanks!

Ted LaGrange
Wetland Program Manager
Nebraska Game and Parks Commission
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Levi Allbaugh

From: Huston, Lyle <Lyle.Huston@nebraska.gov>
Sent: Monday, April 28, 2014 3:05 PM
To: Levi Allbaugh
Subject: FW: Federal Aid Wetland Review for proposed Wildcat Hills Outdoor Heritage Education Center

From: LaGrange, Ted
Sent: Monday, April 21, 2014 2:11 PM
To: Huston, Lyle
Subject: FW: Federal Aid Wetland Review for proposed Wildcat Hills Outdoor Heritage Education Center

Lyle,

Here is the Wildcat Hills wetland review.

Ted LaGrange
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From: LaGrange, Ted
Sent: Tuesday, July 02, 2013 3:56 PM
To: Huston, Lyle
Subject: Federal Aid Wetland Review for proposed Wildcat Hills Outdoor Heritage Education Center

I have completed a federal aid wetland review of the project to construct an Outdoor Heritage Education Center at Wildcat Hills SRA. Based on the information provided, it is my opinion that this project will not negatively impact wetlands. If you need additional input or review, please let me know. Thanks!

Ted LaGrange
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