

DPA S91 – Existing Environmental and Engineering Conditions Overview

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Environmental Conditions

NEPA impacts on your project will depend on your plan. For this specific DPA, the following should be considered. This list is not meant to be exhaustive, but suggestive.

Please note that links were current as of the date of public posting of this document but may have changed.

Section 106 Resources

- There are **no** National Historic Trails that intersect the DPA
- There are multiple National Register of Historic Places resources within the DPA
- 10 Tribes have interest in Gage, Jefferson, Pawnee, and Richardson Counties
 - o Apache Tribe of Oklahoma
 - o Cheyenne and Arapaho Tribes, Oklahoma
 - o Iowa Tribe of Kansas and Nebraska
 - o Iowa Tribe of Oklahoma
 - o Omaha Tribe of Nebraska
 - o Otoe-Missouria Tribe of Indians, Oklahoma
 - o Pawnee Nation of Oklahoma
 - o Sac & Fox Nation of Missouri in Kansas and Nebraska
 - o Sac & Fox Nation, Oklahoma
 - o Sac & Fox Tribe of the Mississippi in Iowa

Biological Resources

- Federally Listed Species Range
 - o Little Brown Bat – Under Review
 - o Monarch Butterfly – Proposed Threatened
 - o Northern Long-eared Bat – Endangered
 - o Regal Fritillary – Proposed Threatened
 - o Rufa Red Knot – Threatened
- State Listed Species Range
 - o Northern Long-Eared Bat – Endangered
 - o Timber Rattlesnake – Threatened
 - o Western Massasauga – Threatened
 - o Western Prairie Fringed Orchid – Threatened
- **No** critical habitat identified

Wetlands

- Yes

Floodplain

- There are multiple flood hazard zones in the DPA
 - o Zone A (1% Annual Chance Flood Hazard)
 - o Zone AE (1% Annual Chance Flood Hazard)
 - o Zone AE (Regulatory Floodway)
 - o Zone X (0.2% Annual Chance Flood Hazard)

Prime Farmland

- Yes

Hazardous Materials

- There are multiple regulated facilities within the DPA

Environmental Justice

- There are environmental justice populations within the DPA
 - o Low Income Populations

Water Resources

- Cub Creek is a 303d water body
 - o Impaired for aquatic life, caused by pesticides
- Cub Creek Lake is a 303d water body
 - o Impaired for aquatic life, caused by nutrients
 - o Impaired for recreation use, caused by pathogens
- Big Blue River is a 303d water body
 - o Impaired for aquatic life, caused by metals other than mercury, pesticides
 - o Impaired for recreation use, caused by pathogens
- Big Indian Creek: Some sections are a 303d water body, and some sections are **not** a 303d water body
 - o Impaired for aquatic life, caused by pesticides, metals other than mercury
 - o Impaired for recreation use, caused by pathogens
- Wolf Wildcat Lake is a 303d water body
 - o Impaired for aquatic life, caused by mercury
- Mission Creek: Some sections are a 303d water body, and some sections are **not** a 303d water body
 - o Impaired for aquatic life, caused by pesticides, metals other than mercury, nutrients, turbidity, cause unknown impaired biota
 - o Impaired for recreation use, caused by pathogens
 - o Impaired for drinking water use, caused by metals other than mercury
- Mayberry Lake (WMA) is a 303d water body
 - o Impaired for aquatic life, caused by mercury
- North Fork Big Nemaha River is **not** a 303d water body
 - o Impaired for recreation use, caused by pathogens
- Long Branch Creek is a 303d water body
 - o Impaired for aquatic life, cause unknown
 - o Impaired for recreation use, caused by pathogens
- Humboldt City Lake is **not** a 303d water body
 - o Not fully assessed
- South Fork Big Nemaha River is a 303d water body
 - o Impaired for aquatic life, caused by metals other than mercury, nutrients, pesticides, cause unknown impaired biota
 - o Impaired for recreation use, caused by pathogens
 - o Impaired for drinking water use, caused by metals other than mercury
- The DPA has nine Wellhead Protection Areas

- Village of Plymouth (NE3109503)
- Village of DeWitt (NE3115101)
- City of Beatrice (NE3106705)
- Village of Odell (NE3106708)
- City of Wymore (NE3106710)
- Village of Liberty (NE3106701)
- Village of Table Rock (NE3113308)
- City of Pawnee City (NE3113305)
- Village of Dawson (NE3114703)

Classified Lands

- There are five NGPC Properties within the DPA
 - Mayberry WMA
 - Table Rock WMA
 - South Fork WMA
 - Four-Mile Creek WMA
 - Lores Branch WMA
- There are two National Levee Database areas within the DPA
 - Big Blue River Levee – Beatrice, NE
 - Indian Creek Levee – Beatrice, NE 1
- There is one Federal Real Property within the DPA
- There are eight Federal Permitting Areas within the DPA
 - NPS – 7 Areas
 - USFWS – Farm Service Agency Interest of NE

Agencies that will be required

- Nebraska SHPO (Deputy SHPO, Michael Sothan)
 - hn.hp@nebraska.gov
 - Approximate 30-day review period
 - May require cultural/historical surveys
- US Fish and Wildlife (Region 6)
 - Nebraskaes@fws.gov
 - Approximate 30-day review period
 - May require completion of BA package
- US Army Corps of Engineers (Omaha District)
 - ne404reg@usace.army.mil
 - Approximate 30-day response time
- US Department of Agriculture Natural Resources Conservation Service (Assistant State Soil Scientist, Elizabeth Gray)
 - elizabeth.gray@usda.gov
- Nebraska Game and Parks Commission
- Nebraska Department of Environment and Energy
 - NDEE.Assistance@nebraska.gov
- Nebraska Department of Natural Resources (Environmental Specialist, John Miller)
 - john.j.miller@nebraska.gov

Engineering Conditions

County

- Gage
- Pawnee
- Richardson

City/Village

- Beatrice

Highways

- Highway 4: NDOT Permit Required
- Highway 77: NDOT Permit Required
- Highway 99: NDOT Permit Required
- Highway 136: NDOT Permit Required

Railroads

- BNSF

Levees and Dams

- Big Blue River Levee – Beatrice, NE
- Indian Creek Levee – Beatrice, NE 2

Pipelines

- Amarillo
- Market Area
- McPherson
- North System Pipeline
- West Leg

Agencies that will be required

- Gage County
- Pawnee County
- Richardson County
- City of Beatrice
- NDOT District 1 (Permit Officer, Cierra Catlin)
 - o cierra.catlin@nebraska.gov
- BNSF Railroad
- Amarillo Pipeline
 - o Natural Gas Pipeline Co. of America (KMI)
- Market Area Pipeline
 - o Northern Natural Gas Co.
- McPherson Pipeline
 - o NuStar Pipeline Operating Partnership L.P.
- North System Pipeline
 - o Oneok NGL Pipeline, LLC
- West Leg Pipeline
 - o Enterprise Products Operating LLC