
APPENDIX A: BACKGROUND INFORMATION

- USFWS Official Species List – 12/7/2023
- USFWS Consistency Letter – 12/7/2023
- Threatened, Endangered, Proposed, Candidate Species and Critical Habitat Affect Determination Table
- NRCS Web Soil Survey Farmland Classification Exhibit – 12/12/2023
- EJScreen Community Report – 12/2023



United States Department of the Interior



FISH AND WILDLIFE SERVICE
North Dakota Ecological Services Field Office
3425 Miriam Avenue
Bismarck, ND 58501-7926
Phone: (701) 250-4481 Fax: (701) 355-8513

In Reply Refer To:

December 07, 2023

Project Code: 2024-0023967

Project Name: Stanley Municipal Airport - Proposed New Turf Crosswind Runway

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through IPaC by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at: <https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see [Migratory Bird Permit | What We Do | U.S. Fish & Wildlife Service \(fws.gov\)](#).

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
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OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

North Dakota Ecological Services Field Office

3425 Miriam Avenue

Bismarck, ND 58501-7926

(701) 250-4481

PROJECT SUMMARY

Project Code: 2024-0023967
Project Name: Stanley Municipal Airport - Proposed New Turf Crosswind Runway
Project Type: Airport - New Construction
Project Description: The project proposes to build a new turf crosswind runway. The purpose of the proposed project is to provide adequate wind coverage for all aircraft that use the Airport on a regular basis, to satisfy near-term user needs, and to meet FAA airport design standards. Without a new crosswind runway, the Airport is not able to provide the recommended 95 percent wind coverage for the aircraft that regularly use the Airport.

The proposed project would include land acquisition. The runway would be located entirely on existing Airport property; however, the Runway Protection Zone (RPZ) would be partially located in the proposed land acquisition parcel. Federal guidance includes trapezoidal areas called RPZs located off each end of a runway. The purpose of an RPZ is to protect people and property on the ground in the event of an aircraft accident, and to provide ready access for emergency vehicles responding to an accident.

The project is proposed to begin construction in late spring/early summer 2024. Specific project components would include earthwork (excavation and placement of on-site borrow), storm pipe installation, asphalt pavement and aggregate base course for the primary runway intersection, modification of existing electrical, installation of crosswind runway hold position signs, topsoil, and seeding/mulching. No additional lighting would be added with the proposed project.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@48.30454975,-102.41299143115052,14z>



Counties: Mountrail County, North Dakota



ENDANGERED SPECIES ACT SPECIES

There is a total of 5 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

BIRDS

NAME	STATUS
Piping Plover <i>Charadrius melodus</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039	Threatened
Rufa Red Knot <i>Calidris canutus rufa</i> There is proposed critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/1864	Threatened
Whooping Crane <i>Grus americana</i> Population: Wherever found, except where listed as an experimental population There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/758	Endangered

INSECTS

NAME	STATUS
Dakota Skipper <i>Hesperia dacotae</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1028	Threatened
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Federal Aviation Administration
Name: Jenna Weigman
Address: 1702 Lawrence Dr
City: De Pere
State: WI
Zip: 54115
Email: jenna.weigman@meadhunt.com
Phone: 9205936869

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Aviation Administration
Name: Sheri Lares
Email: sheri.lares@faa.gov



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In Reply Refer To:

December 07, 2023

Project code: 2024-0023967

Project Name: Stanley Municipal Airport - Proposed New Turf Crosswind Runway

Subject: Consistency letter for 'Stanley Municipal Airport - Proposed New Turf Crosswind Runway' for specified federally threatened and endangered species and designated critical habitat that may occur in your proposed project area consistent with the North Dakota Determination Key (DKey) for project review and guidance for federally listed species.

Jenna Weigman:

The U.S. Fish and Wildlife Service (Service) received on **December 07, 2023** your effects determination for the 'Stanley Municipal Airport - Proposed New Turf Crosswind Runway' (the Action) using the North Dakota DKey for project review and guidance for federally-listed species within the Information for Planning and Consultation (IPaC) system. The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.).

Based on your answers and the assistance of the Service’s North Dakota DKey, you made the following effect determination(s) for the proposed Action:

Species	Listing Status	Determination
Dakota Skipper (<i>Hesperia dacotae</i>)	Threatened	No effect
Piping Plover (<i>Charadrius melodus</i>)	Threatened	No effect
Rufa Red Knot (<i>Calidris canutus rufa</i>)	Threatened	No effect
Whooping Crane (<i>Grus americana</i>)	Endangered	No effect

Thank you for informing the Service of your “No Effect” determinations for this project. No further consultation/coordination for this project is required for these species.

In addition to the species listed above, the following species and/or critical habitats may also occur in your project area and **are not** covered by this conclusion:

- Monarch Butterfly *Danaus plexippus* Candidate

The Service recommends that your agency contact the North Dakota Ecological Services Field Office or re-evaluate the project in IPaC if: 1) the scope, timing, duration, or location of the proposed project changes, 2) new information reveals the action may affect listed species or designated critical habitat; 3) a new species is listed or critical habitat designated. If any of the above conditions occurs, additional consultation with the North Dakota Ecological Services Field Office should take place before project changes are final or resources committed.

Bald and Golden Eagle Protection Act(BGEPA): The following resources are provided to project proponents and consulting agencies as additional information. Bald and golden eagles are not included in this section 7(a)(2) consultation and this information does not constitute a determination of effects by the Service.

The Service developed the National Bald Eagle Management Guidelines to advise landowners, land managers, and others who share public and private lands with Bald Eagles when and under what circumstances the protective provisions of the BGEPA may apply to their activities. The guidelines should be consulted prior to conducting new or intermittent activity near an eagle nest. This document may be downloaded from the following site: <https://www.fws.gov/media/national-bald-eagle-management-guidelines-0>

To determine if your proposed activity is likely to take or disturb Golden or Bald Eagles, please call our office at 702-250-4481 for further review.

If the recommendations detailed in the National Bald Eagle Management Guidelines cannot be followed, you may apply for a permit to authorize removal or relocation of an eagle nest in certain instances. The application form is located at <http://www.fws.gov/forms/3-200-72.pdf>.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

Stanley Municipal Airport - Proposed New Turf Crosswind Runway

2. Description

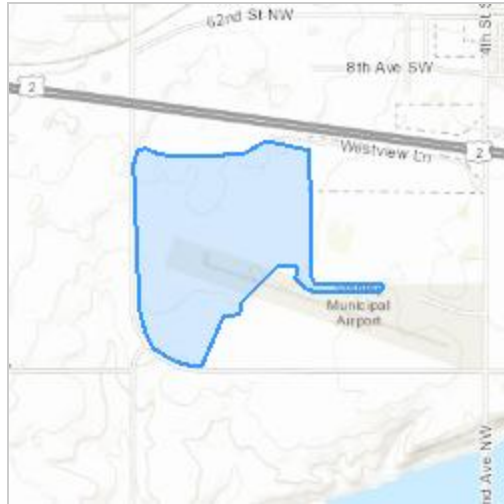
The following description was provided for the project 'Stanley Municipal Airport - Proposed New Turf Crosswind Runway':

The project proposes to build a new turf crosswind runway. The purpose of the proposed project is to provide adequate wind coverage for all aircraft that use the Airport on a regular basis, to satisfy near-term user needs, and to meet FAA airport design standards. Without a new crosswind runway, the Airport is not able to provide the recommended 95 percent wind coverage for the aircraft that regularly use the Airport.

The proposed project would include land acquisition. The runway would be located entirely on existing Airport property; however, the Runway Protection Zone (RPZ) would be partially located in the proposed land acquisition parcel. Federal guidance includes trapezoidal areas called RPZs located off each end of a runway. The purpose of an RPZ is to protect people and property on the ground in the event of an aircraft accident, and to provide ready access for emergency vehicles responding to an accident.

The project is proposed to begin construction in late spring/early summer 2024. Specific project components would include earthwork (excavation and placement of on-site borrow), storm pipe installation, asphalt pavement and aggregate base course for the primary runway intersection, modification of existing electrical, installation of crosswind runway hold position signs, topsoil, and seeding/mulching. No additional lighting would be added with the proposed project.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@48.30454975,-102.41299143115052,14z>



QUALIFICATION INTERVIEW

1. Is your project a federal project or have a federal nexus (funded, permitted or other authorization by a federal agency)?

Yes

2. Does your project consist solely of interior or exterior rehabilitation and renovations of existing residential, commercial buildings and public facilities?

Note: These activities may involve exterior painting, replacement of doors, windows, siding or roofing.

No

3. Does your project consist solely of work done within the existing footprint of a building such as electrical, heating plumbing, basement and foundation repairs?

No

4. Does your project consist solely of additions onto an existing structure?

No

5. Does your project consist solely of renting or purchasing existing buildings?

No

6. Does your project consist solely of demolition of structures within Incorporated City Boundaries?

No

7. Does your project consist solely of repair or replacement of existing parking lots, sidewalks, roads or other paved or graveled surfaces?

No

8. Does your project consist solely of repair or replacement or upgrading playground equipment?

No

9. Is your project a wind farm?

No

10. Is your project a new construction on an existing residential infill lot within Incorporated City Boundaries?

No

11. Are you building overhead power lines?

No

12. Are you constructing a communication tower or other permanent structure over 200 feet above ground line without guy wires?

No

13. Are there any wetlands in your project area?

Yes

14. Will the project impact a wetland?

Note: Common impacts to wetlands include filling, grading, removal of vegetation, building construction and changes in water levels and drainage patterns.

No

15. Is your project located entirely within a developed area?

Note: A developed area is an area that is already paved or supports structures and the only vegetation is limited to frequently mowed grass or conventional landscaping.

Yes

16. [Semantic] Does the action area intersect the Dakota Skipper area of influence?

Automatically answered

Yes

17. [Semantic] Does the action area intersect the Whooping Crane area of influence?

Automatically answered

Yes

18. [Semantic] Does the action area intersect the Piping Plover area of influence?

Automatically answered

Yes

19. [Semantic] Does the action area intersect the Rufa Red Knot area of influence?

Automatically answered

Yes

IPAC USER CONTACT INFORMATION

Agency: Federal Aviation Administration
Name: Jenna Weigman
Address: 1702 Lawrence Dr
City: De Pere
State: WI
Zip: 54115
Email: jenna.weigman@meadhunt.com
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LEAD AGENCY CONTACT INFORMATION

Lead Agency: Federal Aviation Administration
Name: Sheri Lares
Email: sheri.lares@faa.gov

Threatened, Endangered, Proposed, Candidate Species and Critical Habitat Affect Determination Table

Threatened, Endangered, Proposed, Candidate Species and Critical Habitat Affect Determination Table							
Airport:		Grant:	Description:	County:		State:	
08D Stanley Municipal Airport			Building new turf crosswind runway to provide adequate crosswind coverage and comply with FAA airport design standards.	Mountrail		North Dakota	
Species	Listing	Guidance	FAA Review Required?		Determination		Additional Documentation Included
			Yes	No	Not Present	No Effect	
Eskimo Curlew (Bird)	E	The likelihood that the Eskimo curlew remains extant is extremely low, therefore the USFWS do not recommend further conservation or management actions at this time; no further review required. ¹					
Whooping Crane (Bird)	E	FAA Review required for the adjustment (raising, relocating) of existing above-ground utility lines; or for newly placed poles/towers (including beacons) and those that require overhead lines/guy wires; unless the adjustments or new installations are located in a highly developed or urban area. Review also required for projects requiring major earthwork (.e. runway extension, RSA grading) in rural areas within ½ mile of suitable stopover habitat that are located within the whooping crane migration corridor.		X		X	USFWS IPAC Consistency Letter found No Effect on 12/7/23
Pallid Sturgeon/ Shovelnose Sturgeon ² (Fish)	E/T	FAA Review required for work in or along the shoreline of the Missouri River (including reservoirs) and Yellowstone River Systems. Review also required for in-water work for any direct tributary (within ½ mile) to the Missouri River (including reservoirs) and Yellowstone River systems.			X		
Topeka Shiner (Fish)	E	FAA review required for work in or along the shoreline of prairie (or former prairie) streams with pools containing clear, clean water (non-turbid), and have clean gravel, rock or sand bottoms, specifically in one or more of the three known inhabited watersheds (the James, Vermillion, and Big Sioux).			X		
Poweshiek Skipperling (Insect)	E	FAA Review required for work occurring in undisturbed native tall grass prairie and wet swales.			X		
Rusty Patched Bumblebee (Insect)	E	Species is not known to exist in the Dakotas at this time. Until more information becomes available for this species, no review is required.					

¹ Eskimo Curlew 5-Year Review: Summary and Evaluation. USFWS Fairbanks Fish and Wildlife Office, December 14, 2016.

² Shovelnose sturgeon has been listed as threatened due to similarity of appearance to the endangered pallid sturgeon.

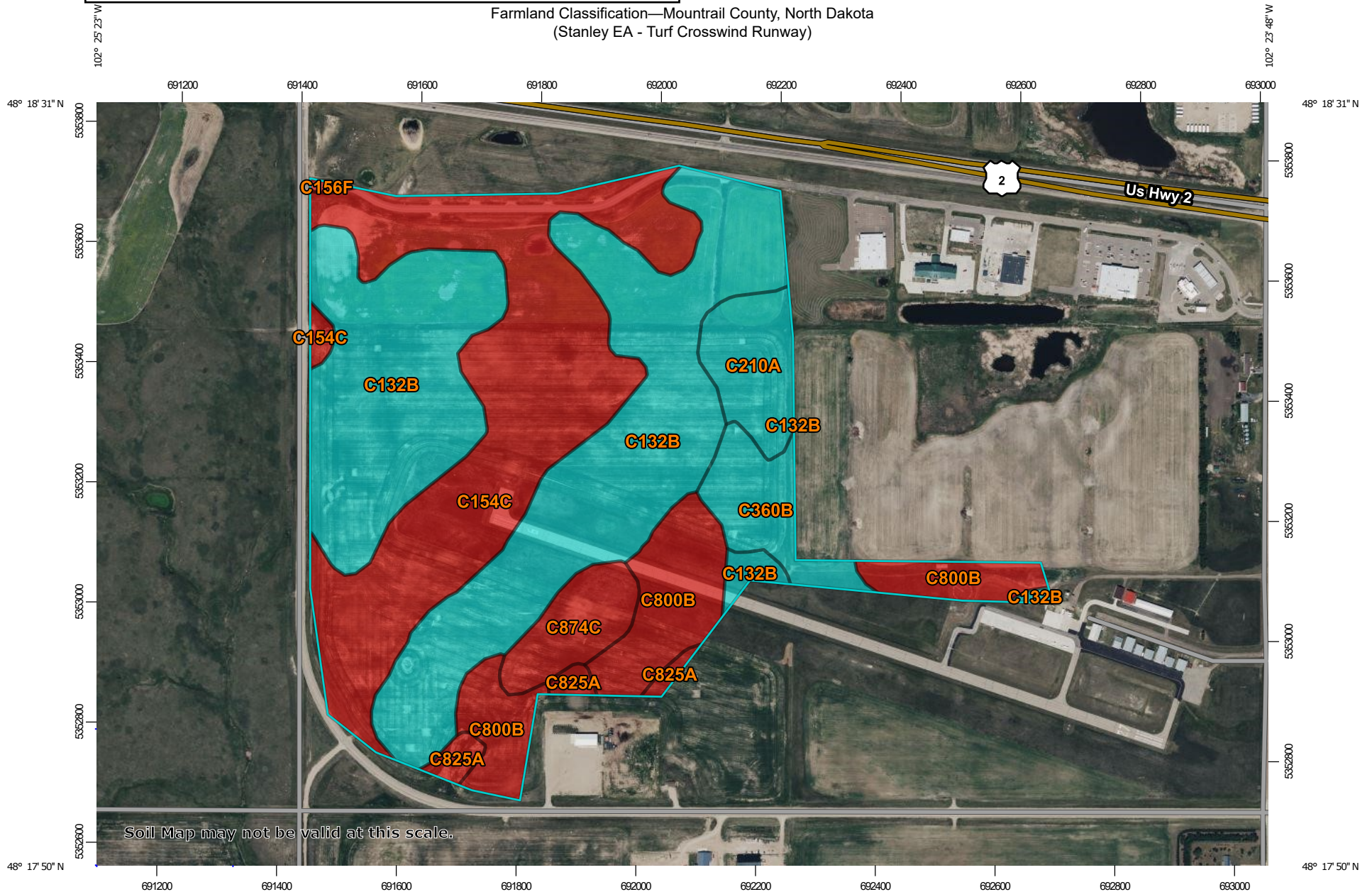
Species	Listing	Guidance	FAA Review Required?		Determination		Additional Documentation Included
			Yes	No	Not Present	No Effect	
Black-footed Ferret (Mammal)	E	FAA Review required for ground disturbing activities within 100 feet of prairie dog towns of at least 80 acres in size. Projects within the existing airport property will not require FAA review.					
Gray Wolf (Mammal)	E	FAA Review required for projects on a new location (i.e. construction of a new airport).			X		
Northern Long-Eared Bat (Mammal)	E	FAA Review required for work involving the removal of trees or buildings, ground disturbance in areas with caves, mines, and rock crevices, or work on structures.			X		
Higgin's Eye Mussel (Mollusc)	E	FAA review required for work in deep water with moderate currents in large rivers with sand/gravel bottoms.			X		
Scaleshell Mussel (Mollusc)	E	FAA review required for work in or along the shoreline of river habitat with stable channels and good water quality.			X		
Piping Plover (Bird)	T	FAA Review required for ground disturbing activities within ½ mile of designated piping plover critical habitat or known nesting sites from April 15 through August 31.		X		X	IPAC found No Effect on 12/7/23
Rufa Red Knot (Bird)	T	FAA Review required for work activities within ½ mile of designated Piping Plover Critical Habitat or known nesting sites.		X		X	IPAC found No Affect on 12/7/23
American Burying Beetle (Insect)	T	FAA review required for work in undisturbed grassland prairie, forest edge, and scrubland areas where significant humus or topsoil, suitable for burying carrion, occurs.			X		
Dakota Skipper (Insect)	T	FAA Review required for work occurring in high quality native prairie containing a high diversity of wildflowers and grasses.		X		X	IPAC found No Affect on 12/7/23
Leedy's Roseroot (Plant)	T	FAA Review required for work along cool wet groundwater-fed limestone cliffs, as well as cliffs characterized by the presence of cracks in the rocks.			X		
Western Prairie Fringed Orchid (Plant)	T	FAA Review required for all ground disturbing activities on non-flooded, undisturbed ground, known habitat, and native prairie. High probability of species in or near the Sheyenne National Grassland or the Big Sioux River Valley.			X		

November 2023

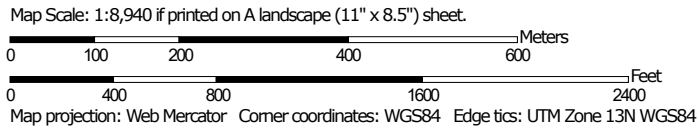
Piping Plover Critical Habitat	D	FAA Review required for ground disturbing activities within ½ mile of designated piping plover critical habitat or known nesting sites.			X		USFWS Official Species List
Poweshiek Skipperling Critical Habitat	D	FAA Review required for ground disturbing activities within 0.6 mile of designated Poweshiek Skipperling critical habitat. This includes Richland County, ND; and Brookings, Day, Deuel, Grant, Marshall, Moody, and Roberts Counties, SD.			X		
Dakota Skipper Critical Habitat	D	FAA Review required for ground disturbing activities within 0.6 mile of designated Dakota Skipper critical habitat. This includes McHenry, McKenzie, Ransom, Richland, and Rolette Counties ND; and Brookings, Day Deuel, Grant, Marshall, and Roberts Counties, SD			X		USFWS Official Species List
Monarch Butterfly (Insect)	C	Candidate Species for listing December 15, 2020; warranted but precluded at this time by higher priority listing actions. Section 7 consultation is not required for the candidate species. Monarchs can be found in fields and other open areas where milkweed and flowering plants are available for habitat. Adult monarchs feed on the nectar of many flowers during breeding and migration but only lay eggs on milkweed plants. Airport environment is mowed and maintained to manage grass height to reduce wildlife attractants; habitat availability is low.					
Tri-colored Bat (Mammal)	P	Proposed for listing as Endangered. Section 7 consultation is not required. Tri-colored bats roost primarily among leaf clusters of live or recently dead deciduous hardwoods and among the bearded lichen during the spring, summer, and fall months. During winter the tri-colored bats hibernate in caves, abandoned mines, and abandoned tunnels.					

NRCS Web Soil Survey Farmland Classification Exhibit

Farmland Classification—Mountrail County, North Dakota
(Stanley EA - Turf Crosswind Runway)




Soil Map may not be valid at this scale.



Farmland Classification—Mountrail County, North Dakota
(Stanley EA - Turf Crosswind Runway)









MAP LEGEND








Area of Interest (AOI)






 Area of Interest (AOI)








Soils



Soil Rating Polygons

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season









-  Prime farmland if subsoiled, completely removing the root inhibiting soil layer
-  Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
-  Prime farmland if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance
-  Farmland of statewide importance, if drained
-  Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated

-  Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated and drained
-  Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
-  Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60





































-  Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough
-  Farmland of statewide importance, if thawed
-  Farmland of local importance
-  Farmland of local importance, if irrigated

-  Farmland of unique importance
-  Not rated or not available






















Soil Rating Lines

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Farmland Classification—Mountrail County, North Dakota
(Stanley EA - Turf Crosswind Runway)

	Prime farmland if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium		Farmland of unique importance		Prime farmland if subsoiled, completely removing the root inhibiting soil layer
	Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of statewide importance, if irrigated and drained		Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season		Soil Rating Points Not prime farmland		Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
	Prime farmland if irrigated and reclaimed of excess salts and sodium		Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season		Prime farmland if drained		Prime farmland if irrigated and reclaimed of excess salts and sodium
	Farmland of statewide importance		Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if warm enough		Prime farmland if protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance
	Farmland of statewide importance, if drained		Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of statewide importance, if thawed		Prime farmland if irrigated		Farmland of statewide importance, if drained
	Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season				Farmland of local importance		Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
	Farmland of statewide importance, if irrigated				Farmland of local importance, if irrigated		Prime farmland if irrigated and drained		Farmland of statewide importance, if irrigated
							Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season		

Farmland Classification—Mountrail County, North Dakota
(Stanley EA - Turf Crosswind Runway)

<ul style="list-style-type: none">  Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season  Farmland of statewide importance, if irrigated and drained  Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season  Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer  Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60 	<ul style="list-style-type: none">  Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium  Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season  Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season  Farmland of statewide importance, if warm enough  Farmland of statewide importance, if thawed  Farmland of local importance  Farmland of local importance, if irrigated 	<ul style="list-style-type: none">  Farmland of unique importance  Not rated or not available <p>Water Features</p> <ul style="list-style-type: none">  Streams and Canals <p>Transportation</p> <ul style="list-style-type: none">  Rails  Interstate Highways  US Routes  Major Roads  Local Roads <p>Background</p> <ul style="list-style-type: none">  Aerial Photography 	<p>The soil surveys that comprise your AOI were mapped at 1:24,000.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Warning: Soil Map may not be valid at this scale.</p> <p>Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.</p> </div> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Mountrail County, North Dakota Survey Area Data: Version 27, Sep 7, 2023</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Jun 29, 2021—Jul 1, 2021</p> <p>The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.</p>
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Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
C132B	Williams-Zahl loams, 3 to 6 percent slopes	Farmland of statewide importance	79.6	44.7%
C154C	Zahl-Williams-Bowbells loams, 3 to 9 percent slopes	Not prime farmland	52.7	29.6%
C156F	Zahl-Max-Bowbells loams, 6 to 35 percent slopes	Not prime farmland	0.3	0.1%
C210A	Williams-Bowbells loams, 0 to 3 percent slopes	Farmland of statewide importance	8.2	4.6%
C360B	Livona fine sandy loam, 0 to 6 percent slopes	Farmland of statewide importance	7.8	4.4%
C800B	Appam sandy loam, 2 to 6 percent slopes	Not prime farmland	20.1	11.3%
C825A	Divide loam, 0 to 2 percent slopes	Not prime farmland	2.6	1.5%
C874C	Wabek-Appam complex, 6 to 9 percent slopes	Not prime farmland	6.9	3.8%
Totals for Area of Interest			178.1	100.0%

Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower

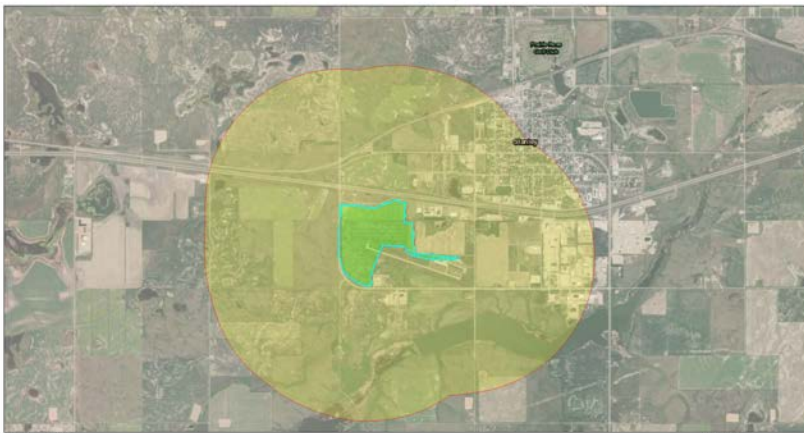
EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

Mountrail County, ND

1 mile Ring around the Area
 Population: 832
 Area in square miles: 5.99

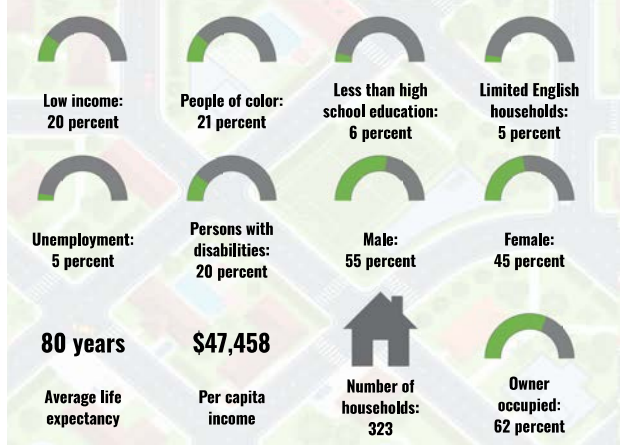
A3 Landscape



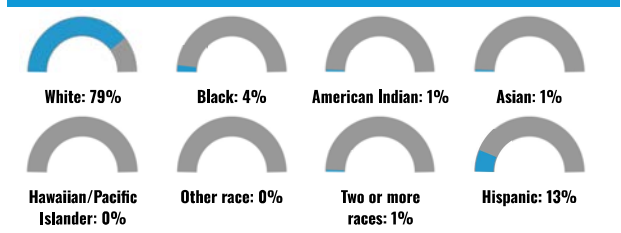
December 4, 2023
 Stanley EA
 People of Color
 (National Percentiles)
 Less than 50 percentile

1:30,112
 0 0.3 0.6 1.2 mi
 0 0.47 0.95 1.9 km
 Esri, HERE, DeLorme, Mapbox

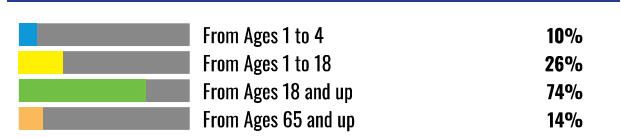
COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
No language data available.	

Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

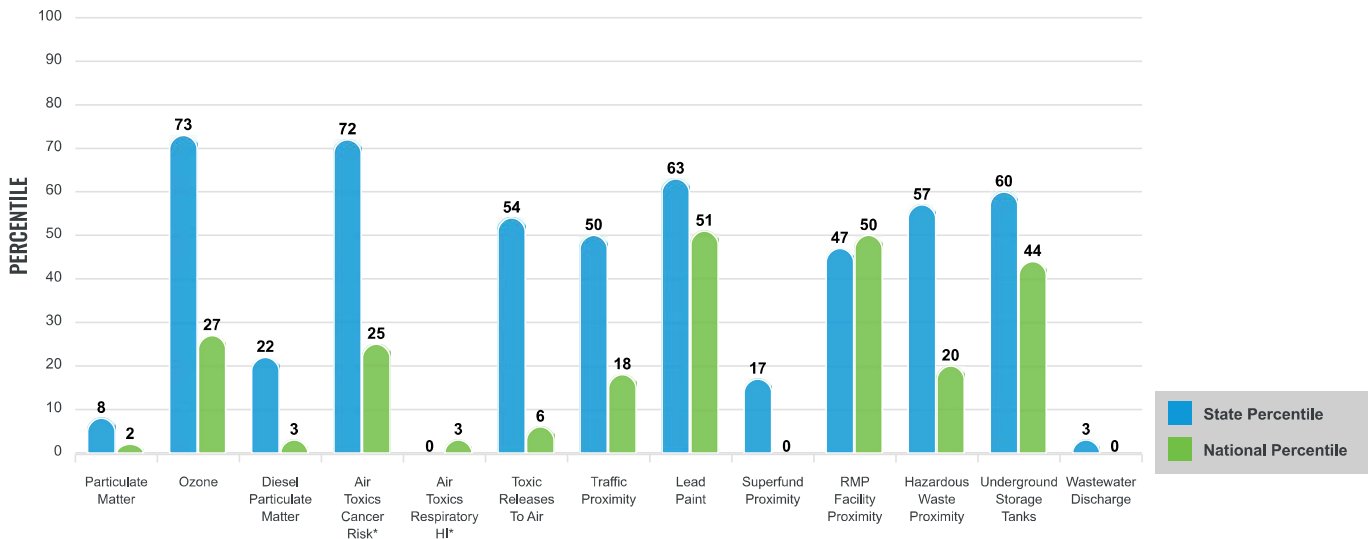
Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

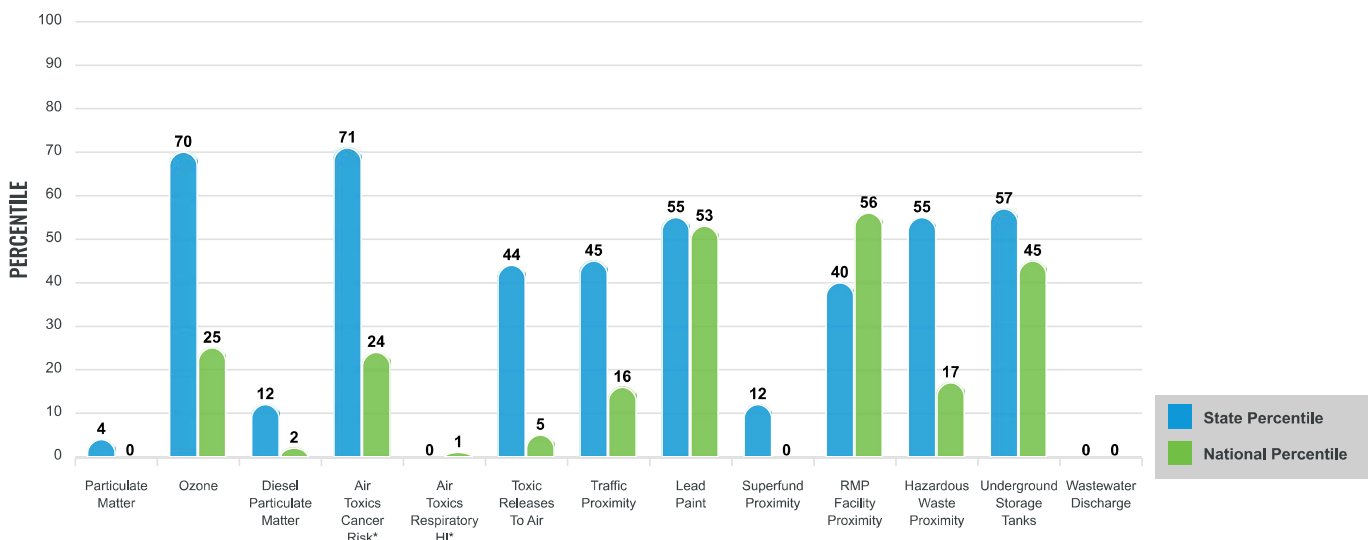
EJ INDEXES FOR THE SELECTED LOCATION



SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 1 mile Ring around the Area

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	4.14	5.41	4	8.08	1
Ozone (ppb)	58.2	57.3	58	61.6	25
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.0363	0.157	12	0.261	2
Air Toxics Cancer Risk* (lifetime risk per million)	20	16	41	25	5
Air Toxics Respiratory HI*	0.1	0.16	0	0.31	1
Toxic Releases to Air	1.3	460	36	4,600	5
Traffic Proximity (daily traffic count/distance to road)	8	85	36	210	14
Lead Paint (% Pre-1960 Housing)	0.32	0.29	54	0.3	60
Superfund Proximity (site count/km distance)	0.0022	0.0049	10	0.13	0
RMP Facility Proximity (facility count/km distance)	0.22	0.64	34	0.43	60
Hazardous Waste Proximity (facility count/km distance)	0.08	0.37	42	1.9	16
Underground Storage Tanks (count/km ²)	0.68	2.1	52	3.9	43
Wastewater Discharge (toxicity-weighted concentration/m distance)	2.8E-06	8.9	12	22	12
SOCIOECONOMIC INDICATORS					
Demographic Index	20%	21%	62	35%	33
Supplemental Demographic Index	11%	11%	51	14%	38
People of Color	21%	16%	75	39%	39
Low Income	20%	26%	38	31%	37
Unemployment Rate	5%	3%	77	6%	56
Limited English Speaking Households	5%	1%	91	5%	74
Less Than High School Education	6%	7%	49	12%	39
Under Age 5	10%	7%	84	6%	87
Over Age 64	14%	17%	42	17%	45
Low Life Expectancy	18%	18%	50	20%	40

*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at <https://www.epa.gov/haps/air-toxics-data-update>.

Sites reporting to EPA within defined area:

Superfund	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities	0
Water Dischargers	4
Air Pollution	0
Brownfields	0
Toxic Release Inventory	1

Other community features within defined area:

Schools	2
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	No
Impaired Waters	Yes

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

Report for 1 mile Ring around the Area

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	18%	18%	50	20%	40
Heart Disease	7	6.4	60	6.1	69
Asthma	8.5	9.3	4	10	13
Cancer	7.1	6.8	52	6.1	72
Persons with Disabilities	17%	11.8%	89	13.4%	75

CLIMATE INDICATORS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	3%	9%	27	12%	29
Wildfire Risk	5%	19%	62	14%	80

CRITICAL SERVICE GAPS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	22%	17%	72	14%	78
Lack of Health Insurance	13%	8%	87	9%	78
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Footnotes

Report for 1 mile Ring around the Area