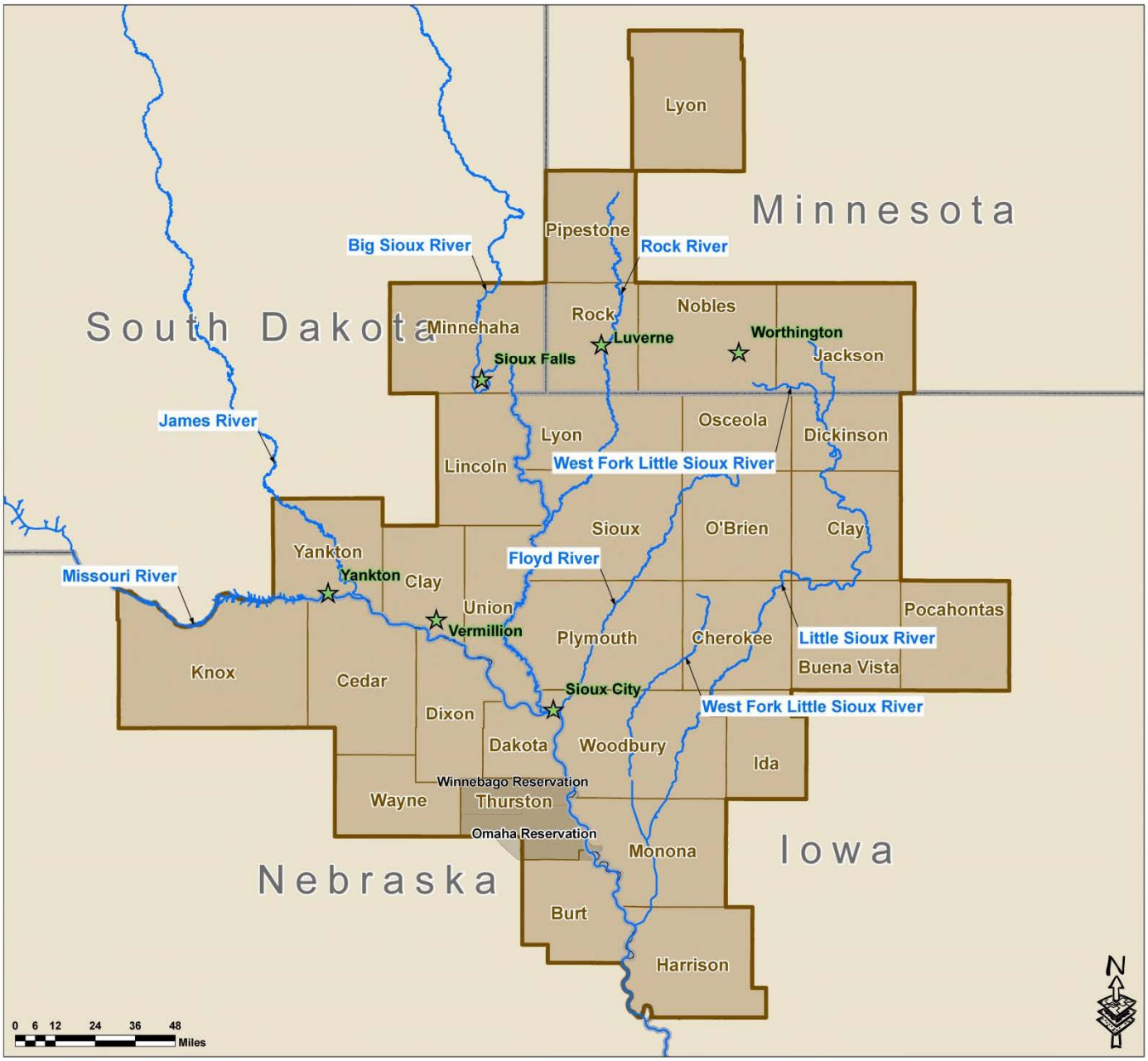
Siouxland Sub-Area Contingency Plan
U.S. Environmental Protection Agency



April 2014

TO REPORT A SPILL OR RELEASE

National Response Center
Emergency Response 24-Hour Emergency Number
(800) 424-8802

National Response Center
United States Coast Guard Headquarters
Washington, DC

EPA Region 5 Regional Response Center
Emergency Response 24-Hour Emergency Number
(312) 353-2318

United States Environmental Protection Agency
Emergency Response Branch
77 West Jackson Blvd.
Chicago, IL 60604

EPA Region 7 Regional Response Center
Emergency Response 24-Hour Emergency Number
(913) 281-0991

United States Environmental Protection Agency
Emergency Response Branch
11201 Renner Blvd.
Lenexa, Kansas 66219

EPA Region 8 Regional Response Center
Emergency Response 24-Hour Emergency Number
(303) 293-1788

United States Environmental Protection Agency
Emergency Response Branch
1595 Wynkoop Street
Denver, CO 80202

United States Coast Guard
Emergency Response 24-Hour Emergency Number
(504) 589-6225

Commander
8th Coast Guard District
Hale Boggs Federal Building, Room 1328
500 Poydras Street
New Orleans, LA 70130

Iowa State Department of Natural
Emergency Response 24-Hour Emergency Number
(515) 281-8694

502 E. 9th Street
Des Moines, Iowa 50319-0034

Minnesota Pollution Control Agency
651-757-2160
Emergency Response 24-Hour Emergency Number
(800) 422-0798 (Calling from inside MN)
(651) 649-5451 (Calling from outside MN)

520 Lafayette Road
St Paul, Minnesota 55155

Nebraska Department of Environmental Quality
Emergency Response 24-Hour Emergency Number
(877) 253-2603 (8am-5pm)
(402) 471-4545 (5pm-8am)

1200 "N" Street, Suite 400
Lincoln, Nebraska 68509

South Dakota Department of Environment and Natural Resources
Emergency Response 24-Hour Emergency Number
(605) 773-3296

523 E Capitol Ave
Pierre, South Dakota 57501

Omaha Tribe of Nebraska
24-Hour Emergency Number
(402) 837-5906

P.O. Box 368
Macy, Nebraska 68039

Winnebago Tribe of Nebraska, Environmental Protection Department
(402) 878-4060
24-Hour Emergency Number
(402) 878-2245

100 Bluff Street
Winnebago, NE 68071

Special Notice

The Siouxland Sub-Area Contingency Plan (SSACP) is intended for broad dissemination. As a publically accessible document, some information has been omitted due to security concerns. Questions and special access regarding this plan should be addressed to the Siouxland Sub-Area (SSA) On-Scene Coordinator (OSC):

Randy Schademann
On-Scene Coordinator
EPA – Region 7
Superfund Division
schademann.randy@epa.gov
11201 Renner Blvd
Lenexa, KS 66219
(913) 551-7331

Please see the Corrections and Updates Form on the following page to request specific revisions to the SSACP. The latest version of this plan will be available at:
http://www.epa.gov/region07/cleanup/superfund/integrated_plan.htm

Corrections and Updates Form

Corrections, updates, or suggested additions to the SSACP should be provided to Randy Schademann, OSC (913-551-7331), schademann.randy@epa.gov .

Please complete the following information to effect a change in the sub-area plan:

Page # of the plan: _____

Section and subsection numbers of the paragraph to be changed: _____

Other description (e.g., third sentence, in second full paragraph on page): _____

_____

_____

Corrections or suggested changes: _____

_____

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_____

_____

Address:
Randy Schademann
On-Scene Coordinator
U.S. EPA – Region 7
Superfund Division
11201 Renner Blvd
Lenexa, KS 66219

Record of Change

The most current copy of this document, including any changed pages, is available through the Environmental Protection Agency Region 7's website under *Regional Information* at the following link: http://www.epa.gov/Region7/cleanup/.

Change Number	Change Description	Section Number	Change Date
1	Updated and reformatted entire plan	All sections/tables	January 2014
2	Added Record of Change	Introduction, page v	March 2014
3	Updated SD 24-hour emergency number	Introduction, page ii	March 2014
4	Moved sub-sections 6 and 7 of Section IV (role descriptions of federal agencies)	V, page 8	March 2014
5	Deleted sub-sections describing DOC, USDA, and DOE (not applicable to the SSA).	V, page 7	March 2014
6	Deleted references to DOI bureaus	V, page 8	March 2014
7	Added programmatic agreement reference	V, page 9	March 2014
8	Removed select references to "critical" habitat	Report Body	March 2014
9	Added USACE contact information	Appendix D	March 2014
10	Updated DOI and USFWS contact information	Appendix D	March 2014
11	Updated contact information in Table 5	Appendix F	March 2014
12	Added Lyon and Jackson County contact information in Table 5 information	Appendix F	March 2014
13	Added DOI contact information	Appendix G	March 2014
14	Moved tribal trustees under separate heading	Appendix G	March 2014
15	Updated contact information in Table H7	Appendix H	March 2014
16	Added Lyon and Jackson Counties to Table H8	Appendix H	March 2014
17	Updated dive team contact information in Table 11	Appendix I	March 2014
18	Added NWS contact information for Des Moines and Omaha in Table 12	Appendix I	March 2014
19	Updated contact information in Table J15	Appendix J	March 2014
20	Added Lyon and Jackson Counties in Table 15	Appendix J	March 2014
21	Updated contact information in Table K16	Appendix K	March 2014
22	Added hospitals for Lyon and Jackson Counties	Appendix K	March 2014
23	Added/updated airport information for all Iowa counties	Appendix L	March 2014
24	Added airports for Lyon and Jackson Counties	Appendix L	March 2014
25	Added radio stations to row 3, Table 20 and updated newspapers for Table 20	Appendix M	March 2014
26	Added Lyon and Jackson County newspapers to Table 21	Appendix M	March 2014
27	Updated river mile and other information in Table 24	Appendix N	March 2014
28	Replaced "critical "with "sensitive" for Pallid Sturgeon and Piping Plover	Appendix O	March 2014
29	Various edits to Notes in Table O28	Appendix O	March 2014
30	Added areas in Lyon and Jackson Counties to Table 26	Appendix O	March 2014
31	Italicized all species	Appendix P	March 2014
32	Updated Iowa table	Appendix P	March 2014

Change Number	Change Description	Section Number	Change Date
33	Added Lyon and Jackson Counties to MN	Appendix P	March 2014
34	Added Red Knot and Northern Long-Eared Bat to Table P32; and removed *eskimo curlew* for Yankton County	Appendix P	March 2014
35	Added species to Nobles, Pipestone, and Rock Counties in MN	Appendix P	March 2014
36	Updated facility contact information in Table 33	Appendix Q	March 2014
37	Added sites for Lyon and Jackson Counties	Appendix Q	March 2014
38	Added sites for Lyon and Jackson Counties	Appendix R	March 2014
39	Repaired hyperlinks for 2 tables	TOC	March 2014
40	Revised map to include Lyon and Jackson Counties	Cover	March 2014

Preamble

The Siouxland Sub-Area Contingency Plan (SSACP) is a collaborative effort of federal and state agencies, emergency managers, and local emergency responders within the geographic area surrounding the Missouri River and its tributaries from river mile marker 860 to 642.

The SSACP is not intended to supplant any local, state, regional, or national level response or contingency plan. Rather, it should be reviewed in conjunction with the relevant regional, state, and local plans. It is designed as a tool and source of information for first responders facing the unique physical conditions and blend of governmental jurisdictions within the Siouxland Sub-Area (SSA). The SSA includes the following counties and tribal entities:

Iowa: Buena Vista, Cherokee, Clay, Dickinson, Harrison, Ida, Lyon, Monona, O'Brien, Osceola, Plymouth, Pocahontas, Sioux, and Woodbury Counties.

Minnesota: Lyon, Jackson, Nobles, Pipestone, and Rock Counties.

Nebraska: Burt, Cedar, Dakota, Dixon, Knox, Thurston, and Wayne Counties, as well as the Omaha and Winnebago Tribes of Nebraska.

South Dakota: Clay, Lincoln, Minnehaha, Union, and Yankton Counties.

This plan will be updated annually, but more frequent revisions could occur if developments warrant. Corrections or suggestions may be submitted using the Corrections and Updates Form on the previous page.

SIOUXLAND SUB-AREA CONTINGENCY PLAN

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I. INTRODUCTION

A. PURPOSE AND OBJECTIVE

The purpose of the Siouxland Sub-Area Contingency Plan (SSACP) is to facilitate a timely, effective, and cooperative response by representatives of private, local, state, and federal agencies to a discharge of oil or release of hazardous substances within the Siouxland Sub-Area (SSA).

B. SUB-AREA STATUTORY AUTHORITY

The SSACP was prepared under Section 311(j) of the Clean Water Act (CWA), as amended by the Oil Pollution Act of 1990 (OPA or OPA 90), 33 *United States Code* (U.S.C.) 1251 et seq., the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), 40 *Code of Federal Regulations* (CFR) part 300, and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), 42 U.S.C. § 9601, as amended.

C. SCOPE

The SSACP—in conjunction with the National Response Framework (NRF), the NCP, U.S. Environmental Protection Agency (EPA) Regions 5 and 8 Regional Contingency Plans (RCP)/Area Contingency Plans (ACP), and state and local plans—will apply to discharges of oil and/or releases of hazardous substances as defined in Section 300.3 of the NCP. The SSACP is intended as a supplement to the respective regional EPA RCPs/ACPs.

D. UPDATING

The SSACP will be updated annually unless more frequent updates become necessary because of changes in relevant regional or national plans, or insights gained during responses. Response equipment, notifications lists, environmentally or economically sensitive area listings, and other relevant data may be updated or incorporated into the SSACP as these become available.

II. RELATIONSHIP TO OTHER CONTINGENCY PLANS

A. PRIVATE-SECTOR RESPONSE PLANS

Federal and state regulations require facility operators to maintain plans designed to prevent or mitigate releases or discharges to the environment. A particular facility may be subject to one or more of the following federal regulations (for a complete list of acronyms and abbreviations, see Appendix A):

- EPA's Oil Pollution Prevention Regulation (Spill Prevention Control and Countermeasures and Facility Response Plan [FRP] Requirements) – 40 CFR parts 112.7(d) and 112.20-21
- EPA's Emergency Planning and Community Right-to-know Act (EPCRA) – Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III)
- Bureau of Ocean Energy Management, Regulation and Enforcement (BOEM) Facility Response Plan Regulation – 30 CFR part 254
- Research and Special Programs Administration's Pipeline Response Plan Regulation – 49 CFR part 194
- United States Coast Guard's (USCG) Facility Response Plan Regulation – 33 CFR part 154, sub-part F
- EPA's Risk Management Programs Regulation – 40 CFR part 68
- Occupational and Health Administration's (OSHA) Emergency Action Plan Regulation – 29 CFR 1910.38(a)
- OSHA's Process Safety Standard – 29 CFR 1910.119
- OSHA's Hazardous Waste Operations and Emergency Response (HAZWOPER) Regulation – 29 CFR 1910.120, and EPA's Resource Conservation and Recovery Act (RCRA) Contingency Planning Requirements – 40 CFR part 264, Sub-part D; 40 CFR part 265, sub-part D; and 40 CFR 279.52
- Clean Air Act (CAA) – 40 CFR Part 68.

The National Response Team's (NRT) Integrated Contingency Plan (ICP) Guidance was published in the *Federal Register* on June 5, 1996 (Vol. 61, No. 109, 28642-28664). The ICP provides a mechanism for consolidating multiple plans into one functional emergency response plan. It does not relieve facilities of their current emergency planning obligations, and adherence to the ICP guidance is not required in order to comply with federal regulatory requirements. Facilities are free to continue maintaining multiple plans in lieu of an ICP to demonstrate federal regulatory compliance. A brief discussion follows of facility emergency response plans—specifically those pertaining to the NCP, OPA 90, and CWA.

Section 300.211 of the NCP describes and cross references the regulations that implement section 311(j)(5) of the CWA. Owners of tank vessels, offshore facilities, and certain onshore facilities are required to prepare and submit FRPs for responding to an oil or hazardous substance worst-case discharge (WCD) or substantial threat of discharge. Regulations and requirements governing FRPs are specified in 40 CFR § 112 and 33 CFR § 154. Prior to approval, facility and vessel response plans shall be reviewed for consistency with any relevant ACP or RCP.

As defined in OPA 90, each responsible party (RP) for a vessel or facility that discharges oil or poses a substantial threat of a discharge into or upon the navigable waters or adjoining shorelines or the Exclusive Economic Zone is liable for removal costs and damages as specified in Section 311(f) of CWA, 33 U.S.C. § 311(f). Any removal activity undertaken by the RP must be consistent with the provisions of the NCP, the RCP, and the applicable response plan required by OPA 90. In addition, if directed by a Federal On-Scene Coordinator (FOSC) at any time during removal activities, the RP must act accordingly.

Section 311(j) (5)(c) of CWA requires that FRPs shall:

(i) Be consistent with the requirements of the NCP, ACP, or ICPs.

(ii) Identify the qualified individual having full authority to implement removal actions, and require immediate communication between that individual and the appropriate federal official and the persons providing personnel and equipment pursuant to clause (iii).

(iii) Identify, and ensure by contract or other means approved by the President, the availability of private personnel and equipment necessary to remove to the maximum extent practicable a WCD (including a discharge resulting from fire or explosion), and to mitigate or prevent a substantial threat of such a discharge.

(iv) Describe training, equipment testing, periodic unannounced drills, and response actions of persons on the vessel or at the facility, to be carried out under the plan to ensure the safety of the vessel or the facility, and to mitigate or prevent the discharge, or substantial threat of a discharge.

(iv) Undergo periodic updates.

(v) Be resubmitted for approval of each significant change.

B. LOCAL RESPONSE PLANS

Sections 301 and 303 of EPCRA, which is SARA Title III, provide for establishment of Local Emergency Planning Committees (LEPC) within districts to facilitate preparation and implementation of emergency plans.

C. STATE RESPONSE PLANS

Sections 301 and 302 of EPCRA provide for establishment of a State Emergency Response Commission (SERC) for each state and implementation of state emergency plans. State laws also require development of contingency plans. In Iowa, the Iowa Department of Agriculture and Land Stewardship (IDALS) has regulations governing containment of fertilizers and pesticides. Regulations governing containment of liquid fertilizers and pesticides within Minnesota, Nebraska, and South Dakota are under authorities of the following respective agencies: Minnesota Department of Agriculture, Nebraska Department of Agriculture, and South Dakota Department of Agriculture.

D. AREA AND REGIONAL CONTINGENCY PLANS

Section 300.210(b) of the NCP provides for establishment of Regional Response Teams (RRT) and sets their role in implementation of RCPs. The NCP, § 300.210(c), provides for establishment of Area Committees (AC) and implementation of ACPs. Regions 5, 7, and 8 have opted to integrate these requirements through creation of Regional ICPs (RICP). RICPs also include elements of Emergency Support Function (ESF) 10 of the NRF and of the National Incident Management System (NIMS) published in May 2013. Table 1 on the next page lists RRTs having jurisdiction in states that comprise the SSA.

TABLE 1: REGIONAL RESPONSE TEAMS

Team	SSA Jurisdiction	RRT Website
R5 RRT	Minnesota	http://www.rrt5.org/
R7 RRT	Iowa and Nebraska	http://www.rrt7.nrt.org/
R8 RRT	South Dakota	http://www.rrt8.nrt.org/

E. NATIONAL PLANS

1. National Oil and Hazardous Substances Pollution Contingency Plan

Section 300.2 of the NCP lists the various federal statutes that provide for establishment of the NRT and implementation of the NCP.

National Response Framework

Robert T. Stafford Disaster Relief and Emergency Assistance Act, PL 100-707, signed into law November 23, 1988; amended the Disaster Relief Act of 1974, PL 93-288. Subsequently, the National Response Plan (NRP) was developed. As required by Homeland Security Presidential Directive (HSPD)-5, the NRP provided a single, comprehensive approach to domestic incident management to prevent, prepare for, respond to, and recover from terrorist attacks, major disasters, and other emergencies. The NRP was an all-hazards plan built on the template of the NIMS. As a result of lessons learned during the response to Hurricane Katrina, the NRP was modified and given a new name, the NRF. On March 28, 2008, the NRF became effective and superseded corresponding sections of the NRP. Neither the NRP nor the NRF supplanted the NCP. The NRF core document, ESF Annexes, and Support Annexes were updated in May 2013 and are available at the NRF Resource Center: http://www.fema.gov/NRF.

III. DESCRIPTION OF SIOUXLAND SUB-AREA

A. RATIONALE FOR SUB-AREA CREATION

Sub-Area plans represent a collaborative approach to coordinate responses by all levels of government. OPA 90 required the Federal Government to establish ACPs throughout the United States to provide more coordinated, efficient, and thorough responses by local, state, and federal agencies to releases of oil. The NCP incorporated hazardous substances into this process because of the advantages of utilizing a single plan for spills of all types of hazardous materials (hazmat). EPA Region 7 decided to create only one ACP, with its geography coincident with the four states of Region 7. EPA Regions 5 and 8 adopted similar approaches for their inland areas. The RRTs, whose members also serve on the AC, later decided to consolidate their respective RCPs, ACPs, and applicable elements of FRPs into RICPs.

The respective ACs have created several sub-area plans within their respective regions. Initial emphasis focused on areas where multiple governmental jurisdictions are involved and areas with special environmental or economic qualities that necessitate prompt response actions. Regions 5 and 7 initially collaborated in creation of sub-area contingency plans (SACP) in the Quad Cities and Greater St. Louis Sub-Areas, while Regions 5 and 8 worked together with Canadian agencies on the Red River SACP. The SSA was created because of potential for impacts from a release or discharge on four states, three EPA regions, and numerous counties and local residents. Moreover, responders from all levels of government within the SSA recognized the value of regional planning.

B. GEOGRAPHY OF THE SUB-AREA

The SSA is centered on a segment of the central Missouri River that extends downstream from the Gavins Point Dam at Yankton, South Dakota, to the northern boundary of the Omaha/Council Bluffs metropolitan area, where another sub-area contingency plan (Omaha/Council Bluffs) has been developed. The SSA includes several key tributaries of the central Missouri River, including the James River, which drains much of eastern South Dakota and joins the Missouri River near Yankton. The Big Sioux River flows south from Sioux Falls, South Dakota, and picks up the flow of the Rock River, which drains the southwest area of Minnesota. The Floyd River drains extreme northwest Iowa, and like the Big Sioux, joins the Missouri River near Sioux City. Farther east, the Little Sioux flows south from Minnesota to drain much of the eastern edge of the sub-area before joining the Missouri near the south end of the sub-area. Interstate 29 bisects the sub-area from north to south, paralleling the Missouri River in much of the sub-area. Interstate 90 carries heavy traffic along the northern edge of the sub-area, passing through Worthington and Luverne, Minnesota, and Sioux Falls, South Dakota, along its route. Barge traffic on the Missouri River, highway transportation, and heavy rail traffic in the Missouri River corridor all are potential sources of major spills. Nearly all of the SSA hosts extensive agriculture, with anhydrous ammonia facilities posing potential for serious airborne releases, and bulk fuel facilities posing potential to impact the Missouri River and its tributaries. Large ethanol plants and major shipments of alcohol by rail have also become common. In addition to the economically important and sensitive features within the SSA, the segment of Missouri River downstream from the Gavins Point Project contains a significant portion of the remaining natural habitat along the middle and lower Missouri River. In recognition of the attractions along the river, a 59-mile reach of the river extending from the Gavins Point Dam downstream to Ponca State Park, Nebraska, was designated as the Missouri National Recreational River (MNRR) in 1978. The National Park Service (NPS) administers this segment of the Recreational River and a 39-mile upstream segment that runs from the Fort Randall Dam to Running Water, South Dakota.

The SSA includes an estimated one-half million residents. The largest population center in the SSA is the Sioux Falls Metropolitan Statistical Area (MSA), which in addition to Sioux Falls includes all of Minnehaha and Lincoln Counties. The Sioux Falls MSA included an estimated 237,000 people in 2012. Sioux Falls relies on the Big Sioux River for nearly 70 percent of its water. The Siouxland MSA—Woodbury County, Iowa; Union County, South Dakota; and Dakota and Dixon Counties in Nebraska—encompasses a second large population center. The Siouxland MSA included 168,921 people in 2012, with nearly 102,000 of those living in Woodbury County. Other concentrations of population, each exceeding 10,000 people, include Marshall (13,446) and Worthington (12,870) in Minnesota, and Yankton (14,538) and Vermillion (10,811) in South Dakota. More than 5,000 residents are in each of Storm Lake (10,775), Spencer (11,192), Le Mars (9,795), Sioux Center (7,210), Orange City (6,155), and Cherokee (5,179), Iowa. Wayne is the largest population center (5,661) in Nebraska outside the Siouxland MSA.

IV. ROLES AND AUTHORITIES OF GOVERNMENT AGENCIES

A. INTRODUCTION AND ASSUMPTIONS

NIMS was adopted as the standard for incident management on March 1, 2004. It is anticipated that organizations and public agencies responding to an incident within the SSA will be familiar with the NIMS process and will be prepared to integrate themselves into the NIMS framework.

B. LOCAL GOVERNMENTS

1. Roles and Responsibilities of Local First Responders

During any fire or discharge of oil or hazardous substance, the local fire department with jurisdiction will respond and will initially provide an Incident Commander (IC) as response actions are initiated and while threats to life and human safety continue. The local police department will be responsible for traffic and crowd control on public property. If terrorism is suspected or if there is any reason to suspect a crime has been committed, local law enforcement will secure the scene. Local law enforcement and all other first responders will assist state and federal law enforcement authorities in collection and preservation of potential evidence.

Municipal public works departments will provide assistance if it is necessary to divert or prevent flow of contaminated materials through the stormwater or sewer system. Following SSACP notification guidelines (see Section VII A, Protocol), the IC may notify state agencies if special expertise is needed, if the incident threatens impact beyond the local jurisdiction, or if hazardous wastes might be generated. The fire department commander, State On-Scene Coordinators (SOSC), FOSC, and RP—if the RP has been identified and available—may agree to establish a Unified Command (UC) (see Section IX, Incident Command).

2. Roles and Procedures of Local Emergency Management Agencies

LEPCs

Local emergency planning districts were set up as a result of SARA Title III. LEPCs may include representatives from local governmental agencies, emergency responders, environmental groups, and local industry. Several local emergency plans may exist within each district. The Local Emergency Response Plan (LERP), developed under Sections 301-303 of EPCRA, must include identities and locations of hazmat, procedures for responding to a chemical accident, procedures for notifying the public of necessary actions, names of coordinators of involved or threatened industrial plants, and schedules for testing the plan. A SERC must review each LERP. If a natural disaster produces an emergency, county-level emergency management agencies (EMA) will utilize their respective all-hazards local emergency operations plans (LEOP) along with portions of their LERP.

Minnesota has neither LEPCs nor a SERC. Minnesota has elected to form regional review committees (RRC) that essentially perform the same functions as LEPCs. Minnesota has seven RRCs that normally meet monthly to review LEOPs to ensure the plans meet SARA Title III requirements. Minnesota also has shifted responsibility of the SERC to the Director of Minnesota Homeland Security and Emergency Management. The Director works closely with EPCRA staff and in turn reviews necessary documents and makes programmatic decisions based upon input from EPCRA staff and RRCs.

Emergency Management Agencies

If an incident produces, or threatens to produce, an emergency that could affect large numbers of people or off-site environments, or otherwise appears beyond the capacity of the local responders, the EMA will become involved and may activate its emergency operations center (EOC), initiate an evacuation, or take other steps to protect human health and the environment. Volunteers to assist with temporary housing or other aspects of the emergency will be called into the EOC as needed.

C. STATES

Under the NCP, 40 CFR § 300.180, each governor is asked to assign an office or agency to represent his/her state on the RRT. Each state's representative may participate fully in all facets of RRT activity and shall designate the appropriate element of the state government that would undertake direction of state-managed responses to releases of oil or hazardous substances. Each state RRT member also represents and coordinates RRT involvement of various other state, county, and municipal organizations.

1. State of Iowa

Iowa Department of Natural Resources

The Iowa State Department of Natural Resources (IDNR) is the enforcement agency for environmental laws in Iowa. When an incident threatens public safety, IDNR coordinates requests for assistance from state agencies and acts as the liaison to federal officials. Personnel from the Environmental Services Division are available 24 hours a day to provide regulatory oversight of RPs and offer technical assistance to responding agencies.

IDNR will provide a SOSC, as well as support staff from various field offices, including Field Office # 3 in Spencer, Iowa. The SOSC will respond to the scene after assessing available information and determining whether an on-site response is necessary, or when an SOSC's presence is requested by another local, state, or federal agency. The SOSC coordinates the response of state agencies, and serves as a liaison with federal officials at the scene of the incident. Requests for disposal of materials following cleanup of the site should be coordinated through IDNR.

Iowa Department of Transportation

The Iowa Department of Transportation (IDOT) maintains resources typically used in highway maintenance activities, such as trucks, heavy equipment, sand, rock, etc. Each maintenance garage has a supply of hydrophilic absorbents, including 10-foot booms, 4-foot socks, and pads. Several garages also stock all-purpose, silica-based absorbents. Material resources can be acquired from IDOT by two methods depending on the highway involved:

> Iowa's Primary Highway System: Resources are available for use on the Iowa primary highway system through requests by governmental subdivisions. Resource requests should be made to the District Operations Managers or the District Maintenance Manager.
>
> Outside Iowa's Primary Highway System: If the aforementioned absorbents are needed for an emergency response to a hazmat spill off the primary highway system, local governmental subdivisions may request these materials by contacting the listed contact persons or the local IDOT garage. The local governmental subdivision has responsibility to replace expended materials by purchasing supplies directly from IDOT's warehouse.

IDOT also controls overhead dynamic message signs (DMS) and portable DMSs accessible during a hazmat/oil incident. IDOT emergency operations staff can activate DMS messages. During incidents when the IC believes such messaging is needed to protect the public from hazards or assist response efforts, the IC or a designate should request placement of a message on the signs by contacting IDOT Statewide Emergency Operations. Contact information for IDOT's 24/7 Emergency Operations Center is in Appendix I.

For acquisition of all other response resources, the Emergency Management Coordinator of the affected county must contact Iowa Homeland Security and Emergency Management Department (HSEMD) and submit a resource request. Any request for Iowa's state-level resources from neighboring states should go directly to HSEMD from the state emergency management agency having jurisdiction.

2. State of Minnesota

The Minnesota Division of Homeland Security and Emergency Management (HSEM) coordinates state-level response to hazmat incidents. A staff member is on call 24 hours a day, 7 days a week to help coordinate resources and serve as technical liaison. This staff member is notified of an incident through the Minnesota Duty Officer (MDO). The MDO can be reached at 800-422-0798 or at 651-649-5451 if calling from outside Minnesota.

3. State of Nebraska

The Nebraska Department of Environmental Quality (NDEQ) coordinates state responses to spills. NDEQ personnel are available 24 hours a day for emergency response duties. A department representative will serve as the SOSC during an incident.

4. State of South Dakota

The South Dakota Department of Environment and Natural Resources (DENR) is the enforcement agency for environmental laws in South Dakota, and coordinates state responses to spills. Agency personnel are available 24 hours a day to provide regulatory oversight and technical assistance during an incident.

D. FEDERAL

1. National Response System (NRS) and Policies

NRS is the mechanism for coordinating response actions across all levels of government in support of the OSC/Remedial Project Manager (RPM). The NRS is composed of the NRT, RRTs, OSC/RPM, ACs, and specialized response teams and their related support entities. NCP § 300.105 describes the general organization of the federal agencies, the NRT, the RRT, the FOSC, and the AC. Sections 300.110 and 300.115 detail the structure of the NRT and the RRT. The NCP provides for an RRT whose agency membership parallels that of the NRT, and for inclusion of state and local representation.

2. U.S. Environmental Protection Agency

EPA Region 5 Responsibilities

EPA Region 5 is responsible for responses to discharges or releases, or a substantial threat of discharges or releases of a pollutant from a source originating within EPA Region 5—specifically releases occurring in Minnesota within the SSA. EPA Region 5, based in Chicago, Illinois, will provide an FOSC for investigating and

responding to such releases. EPA Region 5 will also notify the Minnesota Pollution Control Agency (MPCA), which has responsibility for notifying operators of downstream water intakes, of any releases that might impact their operations. When appropriate, EPA Region 5 will provide an RPM for remedial actions and coordinate response support during an incident. USCG is responsible for responses to discharges or releases that originate from a commercial vessel, a vessel transfer operation, or a marine transport facility.

EPA Region 7 Responsibilities

EPA Region 7 is responsible for responses to discharges or releases, or a substantial threat of discharges or releases of a pollutant from a source originating within EPA Region 7—specifically releases occurring in Iowa and Nebraska areas of the SSA. EPA Region 7, based in Lenexa, Kansas, will provide an FOSC for investigating and responding to these releases, unless the spills originate from a commercial vessel, a vessel transfer operation, or a marine transportation-related facility. In these cases, USCG is pre-designated to provide an FOSC. EPA will notify IDNR or NDEQ, which have responsibility for notifying operators of downstream water intake operators of releases that may impact their operations. EPA Region 7 has separate Memoranda of Understanding (MOU) in place with EPA Regions 5 and 6. The purpose of the MOUs is to establish a general working agreement among the three regions' emergency response programs for interregional surge capacity support in the event one region's resources are exhausted, requiring assistance from the other regions.

EPA Region 8 Responsibilities

EPA Region 8 is responsible for responses to discharges or releases, or a substantial threat of discharges or releases of a pollutant from a source originating within EPA Region 8—specifically releases occurring within South Dakota areas of the SSA. EPA Region 8 is based in Denver, Colorado, and will provide an FOSC for investigating and responding to such releases, unless the spills originate from a commercial vessel, a vessel transfer operation, or a marine transport-related facility. In these cases, USCG is pre-designated to provide an FOSC. EPA Region 8 will notify the DENR, which has responsibility for notifying operators of downstream water intakes of any releases that may impact their operations.

3. USCG

Under an MOU between EPA and USCG signed March 13, 1993, USCG will assist the pre-designated EPA FOSC to the fullest extent possible consistent with agency responsibilities and authorities. If an incident involves a commercial vessel, a vessel transfer operation, or a marine-transportation-related facility, the USCG Captain of the Port (COTP) will provide the FOSC and will carry out all FOSC responsibilities, including the decision to direct any necessary removal activity or tap the Oil Spill Liability Trust Fund (OSLTF). If an incident originates from another or an unknown source, USCG will assist the EPA/FOSC to the fullest extent possible in accordance with the NCP and applicable RCP/RICP. Upon request of the pre-designated EPA/OSC, the COTP may act upon the FOSC's behalf.

4. Roles and Responsibilities of the FOSC

The FOSC may direct response efforts and coordinate all other efforts at the scene of a discharge or release in accordance with the NCP. FOSCs shall be designated by the EPA Regional Administrator. The Department of Defense (DOD) and Department of Energy (DOE) shall designate a FOSC, according to NCP § 300.120(c) and (d), if their facilities or properties are involved in the discharge or release. Other federal agencies are responsible for ***non-emergency*** removals, as stated in NCP § 300.120(c)(2).

The FOSC will direct federal resources and coordinate all federal containment, removal, and disposal efforts during an incident. The FOSC is the point of contact between federal resources and other entities involved such as RPs, state responders, and local response communities. The FOSC may work within an established IC structure or develop a UC to direct the activities of responding entities in accordance with the NCP. In extreme circumstances, when it is evident the RP is unwilling or unable to adequately respond to a spill/release, the FOSC may assume full authority over the cleanup, including funding of the response through Superfund or the OSLTF. In such cases when the response is "federalized," written notice will be provided to the RP and efforts will be made to recover costs from the RP. The Regional RRT can be convened to provide guidance to the FOSC or to assist coordination activities during a major event.

Tasks such as air monitoring during the emergency phase of an incident can be provided by the FOSC responding with members of the Superfund Technical Assessment and Response Team (START). Such actions would be conducted within an IC or UC structure, with transfer of command responsibilities to the FOSC or the SOSC of the affected state during the cleanup and recovery phases. FOSCs, to the extent practicable, should ensure that their on-scene representatives are adequately trained and prepared to carry out actions under the NCP and applicable regional plans.

The normal sequence of actions a FOSC should take when a discharge of oil is reported are detailed in NCP § 300.320 as follows:

(a) When the OSC receives a report of a discharge, actions normally should be taken in the following sequence:

(1) Investigate the report to determine pertinent information such as the threat posed to public health or welfare of the United States or the environment, the type and quantity of polluting material, and the source of the discharge.

(2) Officially classify the size (i.e., minor, medium, major) and type (i.e., substantial threat to the public health or welfare of the United States, worst-case discharge) of the discharge and determine the course of action to be followed to ensure effective and immediate removal, mitigation, or prevention of the discharge. Some discharges that are classified as a substantial threat to the public health or welfare of the United States may be further classified as a spill of national significance by the Administrator of the EPA or the Commandant of the USCG. The appropriate course of action may be prescribed in §§ 300.322, 300.323, and 300.324.

(i) When the reported discharge is an actual or potential major discharge, the OSC shall immediately notify the RRT and the National Response Center (NRC).

(ii) When the investigation shows that an actual or potential medium discharge exists, the OSC shall recommend activation of the RRT, if appropriate.

(iii) When the investigation shows that an actual or potential minor discharge exists, the OSC shall monitor the situation to ensure that proper removal action is being taken.

(3) If the OSC determines that effective and immediate removal, mitigation, or prevention of a discharge can be achieved by private party efforts, and where the discharge does not pose a substantial threat to the public health or welfare of the United States, determine whether the RP or other person is properly carrying out removal. Removal is being done properly when:

(i) The RP is applying the resources called for in its response plan to effectively and immediately remove, minimize, or mitigate threat(s) to public health and welfare and the environment; and

(ii) The removal efforts are in accordance with applicable regulations, including the NCP. Even if the OSC supplements RP resources with government resources, the spill response will not be considered improper, unless specifically determined by the OSC.

(4) Where appropriate, determine whether a state or political subdivision thereof has the capability to carry out any or all removal actions. If so, the OSC may arrange funding to support these actions.

(5) Ensure prompt notification of the trustees of affected natural resources in accordance with the applicable RCP and ACP.

(6) Ensure that the notifications and actions required in 300.135, the Fish and Wildlife Sensitive Environments Plan, have been performed. If they have not been performed, the OSC will perform those notifications and subsequent actions.

(7) When appropriate, activate federal response using the OSLTF for oil discharges or the CERCLA Hazardous Substances Response Trust Fund for hazardous substances releases.

(8) Removal shall be considered complete when so determined by the OSC in consultation with the governor or governors of the affected states. When the OSC considers removal complete, OSLTF removal funding shall end. This determination shall not preclude additional removal actions under applicable state law.

5. FOSC and U.S. Fish and Wildlife Service (USFWS) Responsibilities under the Endangered Species Act (ESA)

The following is a summary of FOSC/IC and USFWS responsibilities under the ESA, implementing regulations, and the inter-agency Memorandum of Agreement (MOA) Regarding Oil Spill Planning and Response Activities Under the Federal Water Pollution Control Act's National Oil and Hazardous Substances Pollution Contingency Plan and the ESA (ESA MOA).

FOSC/IC Responsibilities During a Spill Response

- If fish and wildlife resources may be affected by a discharge or release, notify federal, state, and tribal trustees and managers, and consult with them on removal actions to be taken.
- If listed species and/or critical habitat are or could be present, immediately contact USFWS to initiate emergency consultation pursuant to the ESA, implementing regulations, and the ESA MOA.
- Keep USFWS and Department of the Interior (DOI) RRT/AC representatives apprised of ongoing response actions.
- Document any adverse effects on listed species or their habitat.
- Maintain a record of all oral and written communications with the USFWS during the response.

USFWS Responsibilities During a Spill Response

- Provide the FOSC/IC timely recommendations on actions to avoid or minimize impacts on listed species and/or their habitats throughout the duration of the response.
- Respond to requests for emergency consultation pursuant to the ESA, implementing regulations, and the ESA MOA.

- If incidental take is anticipated, so advise the FOSC/IC.
- Upon request, participate in incident command system (ICS) operations and the UC.
- Maintain a record of all oral and written communications with the FOSC/IC during the response.

FOSC/IC Responsibilities Post-response

If listed species or critical habitat have been adversely affected by response activities, initiate formal consultation with USFWS pursuant to the ESA, all implementing regulations, and the ESA MOA.

USFWS Responsibilities Post-response

Respond to requests for formal consultation in accordance with the ESA, all implementing regulations, and the ESA MOA.

V. TECHNICAL SUPPORT AVAILABLE TO THE FOSC

In addition to the support provided by the RRT, various sources of technical support are available to the FOSC either through telephone contact or actual dispatch of teams to the field. Support agencies and groups available to the FOSC include the following.

1. The USCG National Strike Force (NSF)

USCG Strike Teams (Atlantic, Gulf, and Pacific)

Phones of the three USCG Strike Teams are answered 24 hours a day. If the Strike Team contacted is already committed, another Strike Team will be deployed. Each strike team maintains trained personnel and specialized equipment to assist with training in spill response, stabilizing and containing spills, and monitoring and/or directing response actions of the RPs and/or contractors. Within the SSA, Iowa, Minnesota, and Nebraska are covered by the Atlantic Strike Team, based in Lakehurst, New Jersey. The Pacific Strike Team, based in Novato, California, provides response coverage to South Dakota.

The National Strike Force Coordination Center (NSFCC)

The NSFCC is authorized as the National Response Unit required under OPA, with responsibility for administering the USCG Strike Teams, maintaining response equipment inventories and logistical networks, and conducting national exercise programs including pollution response exercises. The NSFCC offers the following: technical assistance and equipment for spill response, assistance in coordinating resources during oil discharge response, ACP or RCP/RICP review, coordination of spill response resources information, and inspection of district response equipment. The Strike Teams provide trained personnel and specialized equipment to assist the FOSC in training for spill response, stabilizing and containing the spill, and monitoring or directing response actions of the RPs and/or contractors.

Public Information Assist Team (PIAT)

PIAT is an element of the NSFCC staff available to assist OSCs to meet the demands for public information during a response or exercise. Its use is encouraged any time the OSC requires outside public affairs support. Requests for PIAT assistance may be made through the NSFCC or NRC.

2. EPA Environmental Response Team (ERT)

In the event of a continuing release or discharge, the FOSC has access to EPA's ERT based in Edison, New Jersey. The ERT provides Scientific Support Coordinators (SSC) with expertise in treatment technology, biology, chemistry, hydrology, geology, and engineering. The ERT also has access to special decontamination equipment and can provide advice on a wide range of issues such as a multimedia sampling and analysis program, on-site safety (including development and implementation plans), cleanup techniques and priorities, water supply decontamination and protection, application of dispersants, environmental assessment, degree of cleanup required, and disposal of contaminated material. The FOSC may designate an SSC as principal advisor on scientific issues who also communicates with the scientific community and assists in requests to state and federal agencies.

As well, the ERT provides both introductory and intermediate training courses to prepare response personnel. Requests for ERT support should be made to the EPA representative on the RRT or the appropriate EPA regional emergency coordinator.

3. EPA Chemical, Biological, Radiological, and Nuclear (CBRN) Consequence Management Advisory Team (CMAT)

The CBRN CMAT, present at five geographic locations, provides 24/7 scientific and technical expertise to the OSC or response customer for all phases of consequence management, including sampling, decontamination, and clearance. With a focus on operational preparedness, CBRN CMAT facilitates transition of the latest science and technology to the field response community in order to provide tactical options for screening, sampling, monitoring, decontamination, clearance, waste management, and toxicological/exposure assessment during decontamination of buildings or other structures following an incident involving releases of radiological, biological, or chemical contaminants. CBRN CMAT maintains critical partnerships with: (1) EPA's National Homeland Security Research Center and the EPA's special teams; (2) other federal partners including the U.S. Department of Homeland Security (DHS), Federal Bureau of Investigation, DOD, and Centers for Disease Control and Prevention (CDC)/Department of Health and Human Services (HHS); and (3) international partners.

4. United States Navy Supervisor of Salvage (SUPSALV)

SUPSALV has an extensive salvage/search and recovery equipment inventory, and the requisite knowledge and expertise to support these operations, including specialized salvage, firefighting, and petroleum, oil, and lubricants offloading capability. SUPSALV can provide equipment for training exercises in support of national and regional contingency planning objectives. The OSC may request assistance directly from SUPSALV. Formal requests are routed through the Chief of Naval Operations.

5. EPA Radiological Emergency Response Team (RERT)

RERTs have been established by EPA's Office of Radiation Programs (ORP) to provide response and support during incidents or at sites containing radiological hazards. Expertise is available in radiation monitoring, radionuclide analysis, radiation health physics, and risk assessment. RERTs can provide on-site support including mobile monitoring laboratories for field analysis of samples, as well as fixed laboratories for radiochemical sampling and analyses. Request for support may be made 24 hours a day via the NRC or directly to the EPA Radiological Response Coordinator in the ORP.

6. USCG District Response Group (DRG)

DRGs assist the OSC by providing technical assistance, personnel, and equipment, including pre-positioned equipment. Each DRG maintains all required types of USCG personnel and response equipment, including marine firefighting equipment, additional pre-positioned equipment, and a District Response Advisory Team (DRAT) available to provide support to the OSC if a spill exceeds local response capabilities.

7. USCG National Pollution Funds Center (NPFC)

NPFC is responsible for implementing those portions of OPA Title I delegated to the Secretary of the Department in which the USCG is operating. NPFC is responsible for addressing funding issues arising from actual and potential discharges of oil. Responsibilities of the NPFC include: (1) issuing Certificates of Financial Responsibility to owners and operators of vessels to pay for costs and damages incurred by their vessels as a result of oil discharges, (2) providing funding to various response organizations for timely abatement and removal actions related to oil discharges, (3) providing equitable compensation to claimants who sustain costs and damages from oil discharges when the RP fails to do so, (4) recovering monies from persons liable for costs and damages resulting from oil discharges to the full extent of liability under the law, and (5) providing funds to initiate natural resource damage assessment (NRDA) activities.

8. National Oceanic and Atmospheric Administration (NOAA)

National Weather Service

The National Weather Service (NWS), a federal organization within NOAA, can provide various types of support to an IC/UC operating in the SSA through its office in Sioux Falls, South Dakota. The IC will be provided with a direct unlisted number to the lead forecaster's desk, through which continuous information on wind speeds, temperatures, and other atmospheric data can be obtained.

In addition, NWS has letters of agreement with all four states in the sub-area. Under these agreements, a state emergency management agency can contact NWS, triggering immediate notifications to commercial radio systems through the Emergency Alert System (EAS). EAS provides a means of disseminating emergency public information regarding evacuation, sheltering in-place recommendations, and other actions intended to protect the public from hazardous conditions associated with a spill. Contact information for the NWS office in Sioux Falls is in Appendix I.

Scientific Support Coordinators (SSC)

NOAA may provide information regarding various scientific and technical subject matters. As does the ERT, NOAA's SSCs offer a wide variety of expertise. NOAA has mathematicians and physicists who can provide computer modeling and simulation studies, research and planning groups that can determine resources at risk and recommend techniques for cleanup, an environmental science group that can provide technical assistance regarding chemical identification and degradation of oil, a biological assessment group that can perform long-term studies and planning, and an information management group that can produce computerized maps.

9. Department of the Interior

DOI can provide information concerning lands and resources specifically under DOI jurisdiction, as well as technical expertise related to geology, hydrology, minerals, fish and wildlife, cultural resources, and recreational lands. DOI can also provide communications equipment and other support during extended incident response activities.

10. Contractors

Many RPs maintain contracts with Oil Spill Removal Organizations (OSRO) or hazmat responders to handle spills that may occur. RPs are responsible for NRDAs in conjunction with the natural resource trustee, and may retain contractors to conduct such assessments. EPA Regions 5, 7, and 8 have region-specific START and Emergency and Rapid Response Services (ERRS) contractors to facilitate emergency responses and cleanups. Any contractor responding to a spill will answer to the agency providing its funding unless all parties agree to arrangements for other supervision.

11. Multi-Agency Response and Planning Groups

Regional Response Team and Area Committee

The RRT's origin and reference to the NCP are briefly discussed in Sections II and IV of the SSACP. The role of the RRT has two principal components. One is as the standing team whose duties involve communications systems and procedures, planning, coordination, training, evaluation, preparedness, and related matters on a regionwide basis. The RRT also may assemble an incident-specific team, as determined by the operational requirements of

a response to a specific discharge or release. The RRT has responsibility for developing an RCP/RICP and for assisting the FOSC if guidance, coordination, or resources are needed to provide an adequate response to an incident. The RRT includes a representative from each state within the federal region, and representatives from virtually any federal agency that could provide assistance or resources during such a response. EPA and the USCG co-chair the RRT, which does not respond directly to the scene, but instead responds to developments and requests from the FOSC in accordance with relevant contingency plans. In addition, members of the RRT serve as the AC, which has responsibility to produce ACPs within its area. Generally within the SSA, the area and the region are coincident within each EPA Region. Typically, the AC is more planning oriented and aims to be more inclusive of industry representatives and nongovernmental entities. The RRT is more response oriented. Semiannual meetings of RRT and AC occur in spring and fall of each year.

12. Natural Resource Trustees

CERCLA and OPA authorize the United States, states, and Indian Tribes to act on behalf of the public as Natural Resource Trustees for natural resources under their respective trusteeships (CERCLA §107(f)(1); OPA §1006(c)). OPA also authorizes foreign governments to act as Trustees (OPA §1006 [b][5]).

Trustees often have information and technical expertise about the biological effects of hazardous substances, as well as locations of sensitive species and habitats, that can assist EPA in characterizing the nature and extent of site-related contamination and impacts. Coordination at the investigation and planning stages provides the Trustees early access to information they need to assess injury to natural resources. This assists Trustees in making early decisions about whether restoration is needed in light of the response actions, and should generally result in more efficient settlement negotiations and an opportunity to address all liabilities at the site concurrently (see Office of Solid Waste and Emergency Response [OSWER] Directive 9200-4.22A; CERCLA Coordination with Natural Resource Trustees, 1997).

State Natural Resource Trustees

State Trustees shall act on behalf of the public as Trustees for the natural resources within a state's boundaries or for resources belonging to, controlled by, or appertaining to a state (40 CFR §300.605). State official(s) are designated by the Governor of each state to act as trustee for the state's trust resources, which include surface water and groundwater. The designated official is normally the head of an agency responsible for environmental protection or fish and wildlife management, although the Governor can delegate responsibility to any entity (OPA §1006 [b][3]). States may also designate more than one Trustee agency.

State Trustees act on behalf of the public for natural resources—including groundwater and surface water, and the resources' supporting ecosystems that are: (1) within the boundary of the State, and (2) belonging to, managed by, controlled by, or appertaining to the State. For SSA states: the Director of IDNR has been designated the natural resources trustee for Iowa; in Nebraska, the Director of NDEQ also serves as the natural resources trustee; in South Dakota, the Secretary of DENR has been designated the natural resources trustee; in Minnesota, the Minnesota Department of Natural Resources (MDNR) and MPCA have been designated as co-natural resource trustees.

> **Role of Iowa Natural Resource Trustee**: During an environmental emergency, an SOSC from IDNR will act on behalf of the director. The SOSC will coordinate response of the divisions within IDNR to prioritize and protect natural resources, assess any damages, and arrange for remediation and recovery. This includes all natural resources not owned or directly managed by federal trustees. The SOSC will be a member of IDNR's Environmental Services Division.

The SOSC will seek the advice and assistance of representatives of the Conservation and Recreation Division. Members of this division can provide information regarding environmentally sensitive areas and endangered species, and assist in establishing priorities for protecting threatened resources.

Any actions to prevent or correct damage to areas directly managed by local, state, or federal governments will be determined and/or approved by the agency managing that area. The SOSC must consult with representatives of the other divisions of IDNR whenever practical, and will follow their recommendations regarding mitigation, sampling, and remediation whenever feasible. When an incident threatens the public health and safety, the SOSC has final authority to determine appropriate actions.

Role of Minnesota Natural Resource Trustees: MDNR is co-trustee with MPCA for the natural resources of the State of Minnesota, as declared by the Governor, and MDNR is a co-trustee with USFWS concerning management of migratory waterfowl. In response to a spill event, MPCA is also the lead agency for state response to most oil and hazardous substance incidents. For agricultural chemical incidents, the Minnesota Department of Agriculture is the lead agency.

An SOSC (MPCA or MDNR) will:

- Establish a state response structure that integrates with the local command structure.
- Oversee the RP's environmental actions involving all aspects of the cleanup.
- Notify MDNR/MPCA and establish a response protocol describing the role of responders.
- Provide the IC with information on environmental consequences of various response activities and response alternatives.
- Coordinate environmental cleanup activities with other environmental and public safety responders.
- Work with MDNR/MPCA and USFWS and other resource managers on identifying, protecting, and assessing damages to natural resources.

MDNR response personnel will:

- Notify all necessary MDNR personnel.
- Coordinate their efforts with other responding trustees.
- Provide responders with specific fish and wildlife habitat information within the ACP area concerning lakes, streams, wetlands, and rivers. Consult with the responders as to the best locations for staging and recovery areas, as well as access points.
- Provide responders with critical habitat information regarding state-listed special concern, threatened, and endangered species, as well as information on sensitive natural communities.
- Provide the responder with technical assistance and expertise regarding potential effects of oil and hazardous substances on fish and wildlife and their habitats.
- Coordinate wildlife rescue and rehabilitation efforts in cooperation with USFWS.

- Assess injury to natural resources to determine the extent of injury, to develop restoration or replacement strategies, and to develop and submit a claim for damages to the RP.

Role of Nebraska Natural Resource Trustee: The Director of NDEQ has been designated as the Nebraska Natural Resource Trustee for the State. During an environmental emergency, the NDEQ SOSC will act on behalf of the NDEQ Director. This individual will coordinate activities and/or further delegate others to address issues related to preservation, assessment, remediation, recovery, and prioritization of natural resources for which the State of Nebraska is responsible. This includes all land, water, and wildlife not directly owned or managed by federal agencies.

The SOSC will be a member of NDEQ's emergency response function. The SOSC will, when feasible, seek assistance of available natural wildlife experts. These include members of the Nebraska "Fish Kill Network," locally situated Nebraska Game and Parks Commission officials, and USFWS representatives. In addition, the SOSC will provide timely reports to the NDEQ Director and/or Deputy Director describing ongoing activities.

Where areas and/or resources are under the direct control of a local, state, or federal entity (i.e., parks, wildlife management areas, fisheries, etc.), those organizations will determine, recommend, and/or approve actions to prevent and correct damages to that resource.

Biologists from the NDEQ Surface Water Section and/or the Nebraska Game and Parks Commission can provide initial assessments of natural resource damages. In addition, these agencies can determine monetary penalties due to losses of fish and/or other wildlife. Agency recommendations regarding mitigation measures, sampling, and other response activities will be followed whenever feasible. However, the SOSC will maintain state-level authority for the response while considering all aspects related to the incident, including threats to human health and welfare, relative risks, interruption of commerce, and other factors.

Role of South Dakota Natural Resource Trustee: The Secretary of DENR has been designated as the State's natural resources trustee. During an environmental emergency, an SOSC from DENR will act on behalf of the Secretary. The SOSC will coordinate response of programs within DENR to prioritize and protect natural resources, assess any damages, and arrange for remediation and recovery, and will also act as the coordinator for interagency responses. The SOSC will be a member of DENR's Division of Environmental Services.

Tribal Natural Resource Trustees

Tribal Chairmen (or heads of the governing bodies of Indian Tribes), or persons designated by Tribal officials, shall act as Tribal Trustees for natural resources belonging to, managed by, controlled by, or appertaining to the Indian Tribe, or held in trust for the benefit of such Indian Tribe, or belonging to a member of an Indian Tribe, if such resources are subject to a trust restriction on alienation (40 CFR §300.610). The Secretary of the Interior may act as Trustee on behalf of a Tribe at the Tribe's request. Indian Tribe Trustees act on behalf of the Indian Tribe for natural resources, including their supporting ecosystems that fall under one or more of the following categories:

- Belong to, are managed by, are controlled by, or appertain to such Tribe
- Are held in trust for the benefit of the Tribe
- Belong to a member of the Tribe, if such resources are subject to a trust restriction on alienation.

Examples of resources under the trusteeship of Tribal groups include:

- Tribal-owned minerals
- Groundwater and surface water resources on Tribal lands
- Any other natural resources found on Tribal land.

Federal Natural Resource Trustees

CERCLA §107(f)(2)(A) requires the President to designate in the NCP federal officials to act on behalf of the public as Trustees for natural resources under federal trusteeship. Section 300.600 of the NCP designates the Secretaries of the following cabinet-level Departments to act as Trustees for the natural resources, subject to their respective management or control:

Department of Defense (DOD)

The Secretary of DOD maintains trusteeship over the natural resources on all lands owned by DOD or the Army, Navy, Air Force, and Defense Logistics Agency. These lands include military bases and training facilities, research and development facilities, and munitions plants.

Department of the Interior (DOI), USFWS

USFWS, an office within DOI, is responsible for management of migratory birds, federally listed endangered and threatened species, and interjurisdictional fishes within the SSA. National Wildlife Refuge lands established in Washington County, Nebraska, south of the sub-area, include Boyer Chute National Wildlife Refuge on the west side of the Missouri River between River Miles 638 and 634. Additionally, the DeSoto National Wildlife Refuge lies between Missouri River miles 644 and 641. See Appendix O for more information on wildlife refuges.

When a spill occurs, the appropriate USFWS office—in Rock Island, Illinois; Grand Island, Nebraska; Pierre, South Dakota; or St. Paul, Minnesota—will provide timely advice on measures necessary to protect wildlife from exposure, as well as priority and timing of such measures. Protective measures may include preventing the oil from reaching areas where migratory birds and other wildlife are located, or deterring birds or other wildlife from entering areas by using wildlife hazing devices or other methods.

If exposure of birds and other wildlife to oil or hazardous substances cannot be prevented, an immediate decision will be made regarding rescue and rehabilitation of “oiled” birds and other wildlife. USFWS has statutory responsibilities for protecting migratory birds and federally listed threatened and endangered species. In such cases, the USFWS would serve as the lead administrative trustee, coordinating with other trustees and providing oversight of a qualified wildlife responder. If an incident does not involve migratory birds or federally listed threatened or endangered species, a state natural resource trustee may serve as the lead agency.

The decision to rescue and rehabilitate “oiled” wildlife must be made in conjunction with other federal and state natural resource agencies. Wildlife rehabilitators will need federal and state permits to collect, possess, and band migratory birds and threatened/endangered species. Further information is in Fish and Wildlife and Sensitive Environments (Appendix A.1) of the Region 7 RICP.

13. U.S. Army Corps of Engineers

The U.S. Army Corps of Engineers (USACE) manages the Gavins Point Dam near Yankton, South Dakota, and shares responsibility with the NPS for management of the Missouri National Recreational River (MNRR). USACE operates two campgrounds on USACE land just downstream of Gavins Point Dam. The Cottonwood

Campground and its 77 camping sites are on the west shore of Lake Yankton, a small lake below Gavins Point Dam. Boat ramps are north and east of the campground. Nebraska Tailwaters Campground has 43 sites along the Nebraska bank (south shore) of the Missouri River. A boat ramp is at the campground (see Appendix G for contact information).

14. National Park Service

National Park Service (NPS) is an agency of the DOI. NPS owns lands at Pipestone National Monument, Minnesota, and within the Missouri National Recreational River (MNRR), a segment of the National Wild and Scenic Rivers system that extends 59 miles downstream from Gavins Point Dam near Yankton, South Dakota, to Ponca State Park in Nebraska. Although the MNRR encompasses 34,159 acres, NPS actually owns fewer than 30 acres at the Mulberry Bend Overlook south of Vermillion in Clay County, South Dakota, and 220 acres in Nebraska at river mile 787.6 at the confluence of Bow Creek and the Missouri River. NPS administers this segment of the Recreational River and a 39-mile upstream segment that runs from the Fort Randall Dam to Running Water, South Dakota. NPS manages the MNRR through an office in Yankton, South Dakota (see Appendix G for contact information).

15. Natural Resource Damage Assessment (NRDA)

Following a hazardous release or discharge, natural resource trustees have responsibilities for assessing injury to the environment as a result of the spill. NRDA is the process by which trustees collect, compile, and evaluate data to determine the extent of injury to natural resources. The information gathered is used to assess damages, determine the dollar amount necessary to restore injured trust resources or compensate for lost use of resources, and seek recovery of those damages from the RP. NRDAs are typically initiated concurrent with response activities.

Initiation of an NRDA usually involves acquiring data both during and after a spill to document: (1) oil or hazardous substances in water, sediments, soil, and organisms; (2) effects on fish, wildlife, and/or their habitat; (3) exposure pathways; and (4) measures taken to prevent or reduce immediate migration of oil or hazardous substances onto or into a trust resource. To avoid duplication of response activities specified in an NRDA with other response activities, all sampling and field work by natural resource trustees should be coordinated with the lead response agency.

If natural resources are injured by a discharge or release of a mixture of oil and hazardous substances, DOI regulations apply. NOAA regulations apply only in assessing damages that may result from discharges of oil.

16. State Historic Preservation Officers

Section 106 of the National Historic Preservation Act requires federal agencies to take into account effects of their undertakings on historic properties and afford states a reasonable opportunity to comment on such undertakings. This Section specifies procedures federal agencies are to implement in order to meet these statutory responsibilities. Section 106 accommodates historic preservation concerns with the needs of federal undertakings through consultation among the agency official and other parties with an interest in the effects of the undertaking on historic properties, commencing at the early stages of planning. The goal of consultation is to identify historic properties potentially affected by the undertaking, assess its effects, and seek ways to avoid, minimize, or mitigate adverse effects on historic properties. The programmatic agreement on protection of historic properties during emergency response under the NCP is in Annex VI to the Region 7 RICP and can be accessed at: http://www.achp.gov/NCP-PA.html.

17. Tribal Historic Preservation Officers

[RESERVED]

VI. ROLES OF RESPONSIBLE PARTIES

Under the CWA, RPs are required to immediately report to the NRC any discharge of oil producing a sheen on navigable water, adjoining shorelines, or the contiguous zone, as well as any release of a hazardous substance exceeding a reportable quantity as set forth in 40 CFR § 302.4. RPs may also be required to report these releases under various state and local statutes. OPA 90 § 1002 makes RPs responsible for removal costs and damages. RPs are expected to cooperate with local public safety agencies during the emergency response phase of an incident, and to conduct any necessary response actions for which their personnel are trained and equipped. RP response actions may include turning off valves, plugging or containing leaking containers, evacuating employees, and firefighting by industrial fire brigades. All of these activities typically proceed under the direction of an IC established by a local public safety agency.

While the RP has primary responsibility for cleanup of a discharge or release, the response shall be conducted in accordance with the NCP and the RP's applicable response plan. If necessary, EPA or USCG may direct the response activities of the RP. The FOSC also may "federalize" a response if it becomes evident that: (1) an adequate response is beyond the capability of the RP, or (2) the RP indicates an unwillingness to accept responsibility, or (3) the RP's identity is unknown. A UC structure that incorporates command personnel of the RP, local responders, and state and federal responders may be established to address concurrent public safety and environmental concerns.

VII. NOTIFICATION

Discovery of a spill and subsequent notifications procedures may follow a number of pathways. RPs, private citizens, or the news media may notify local, state, or federal agencies by calling 911, the affected state, EPA, or NRC. In some instances, notification by and of various agencies may occur as a matter of courtesy. The following sections describe notification procedures for those responsible for responding to oil or hazardous substance releases within the SSA.

A. NOTIFICATION PROTOCOL

Prompt notification to all appropriate agencies is critical for an effective and coordinated response. The organization first aware of a release is responsible for notifying other appropriate and potentially affected agencies. All initial notifications should be made by voice telephone, not by facsimile copy or electronic mail. Each agency is to consider itself the first notified unless it has been notified according to protocol. When an agency is notified by another responding agency/organization, it must ascertain whether other agencies it is responsible for notifying have been contacted, and then notify those agencies that have not been contacted. Each participating agency in the SSA has indicated its intention to notify other jurisdictions based on the following three criteria:

1. The release has potential to impact the agency being notified in some manner.

2. Assistance might be requested from the agency being alerted.

3. Although another agency might not be affected or requested to provide assistance, the agency will be notified out of courtesy if it is likely to receive inquiries about the incident from other sources such as citizens, private companies, or the news media.

B. SIOUXLAND SUB-AREA NOTIFICATIONS AND EMERGENCY CONTACTS LISTS

Considering the large number of agencies participating in this SSA and potential response factors (e.g., wind speed/direction, toxicity of materials, presence/absence of humans, etc.), notification responsibilities of an organization will differ for various incidents. When an organization receives notification of a spill, it is expected to meet its statutory notification responsibilities before commencing notifications set forth in the above-stated protocol.

The 24-hour Response Numbers listed in the appendices represent central locations of each agency that are normally staffed 24 hours daily, 7 days a week. The numbers provided are those that outside parties would use to reach central dispatch. Assumedly, local residents would dial 9-1-1 during an emergency. Comprehensive notification lists by jurisdiction and function are included in Appendices C through M of this SSACP. Administrative numbers, fax numbers, email addresses, and other pertinent contact information are also listed in the appendices.

C. NOTIFICATION OF NATURAL RESOURCE TRUSTEES

OSCs are responsible for notifying the appropriate natural resource trustee(s) if the release affects or threatens to affect environmentally sensitive areas, migratory waterfowl, or state- or federally-listed threatened or endangered species. SOSCs will notify the DOI RRT representative and USFWS, and the other Federal and tribal trustees if their lands and resources have been or may be affected. Natural Resource Trustee contact information is in Appendix G.

VIII. SIOUXLAND RESPONSE PROTOCOL

A. INCIDENT COMMAND AND JURISDICTION

The first responding local agency will establish an initial command post and an IC in accordance with NIMS/ICS. If jurisdiction is unclear, the responding agencies will confer to determine which agency has jurisdiction. Once jurisdiction has been determined, the local agency having jurisdiction will either assume command or request establishment of a UC at the local level.

If jurisdiction is not determined, the initial responding local agency will either maintain command or request establishment of a UC. When the SOSC and the FOSC arrive at the site, they will confer with the IC. By mutual agreement, they will determine whether the SOSC and FOSC will integrate into the local command structure, whether the SOSC or FOSC will take the lead, or whether they will jointly establish a UC. If the responding agencies cannot agree on the issue of command, the FOSC has preemptive authority under NCP.

B. CONTRACTOR OVERSIGHT

If the RP is capable and willing to respond to the release, governmental officials will work with the RP to mitigate the spill while maintaining general oversight. If no potentially responsible party (PRP) is identifiable or the RP is unwilling or incapable of responding, the IC and OSCs will pursue available options for using government funds to clean up the release. If a contractor responds to the spill, it will answer to the agency providing its funding unless all parties agree to supervision by other agencies.

C. COORDINATION

Generally, the responding agencies will function within their normal roles, using established lines of authority, expertise, and resources while working as a team to provide the most efficient response possible. Each local, state, and federal lead agency will be responsible for making secondary notifications and for coordinating the assistance from its support agencies. The local IC, along with the SOSC and FOSC, will collaborate to make major decisions, with the RP's representative(s) included as appropriate.

D. PUBLIC INFORMATION

The IC may appoint a public information officer (PIO) responsible for developing and releasing information to the media and the public. The PIO will advise and represent the IC on all public information matters, gather incident data, obtain media information useful to operations and media planning, develop news releases or information for release to the public, and establish and operate a media center (when designated by the IC). PIO functions must be coordinated and integrated across jurisdictional, governmental, and functional areas. The PIO will coordinate with the IC to establish a timeline for providing information updates to the media.

E. TERMINATION

When the IC terminates an incident, a notice of termination will be sent to all responding agencies. After the termination and to the extent feasible, the IC, SOSC, and FOSC will work together to coordinate the following: (1) issuance of their respective reports, (2) efforts to recover costs, and (3) a critique of the incident.

IX. INCIDENT COMMAND

The senior on-scene official of the response organization first arriving at an oil or hazmat release shall establish an ICS in accordance with NIMS procedures. If the incident is of sufficient magnitude to require involvement of multiple agencies and/or multiple levels of government, command operations should transition toward a UC structure. Additional information on NIMS and its applications is available at http://www.fema.gov/national-incident-management-system.

X. COMMUNICATIONS

[RESERVED]

XI. RESOURCES

[RESERVED]

XII. SITE SAFETY PLAN

A. INTEGRATION OF SITE SAFETY PLANS

During a major incident involving hazardous substances, several hazmat teams could participate in the response. These teams should consist of personnel trained to at least the technician level and should operate in complete compliance with OSHA's 1910.120 regulations. One of these requirements is a site safety plan (SSP).

Hazmat teams possibly present during a response include teams from municipal fire departments, contractors for RPs, state or federal agencies, a USCG Strike Team, military teams, and industrial mutual aid teams. Because each team normally develops its own SSP, conflict or confusion may ensue as the various teams initiate field operations. To ensure safety of responders and efficiency of response, procedures for coordinating safety plans should be implemented as follows:

If a site has a single IC, that commander will appoint a site safety officer (SSO) who will coordinate with the safety officers of all responding teams. The SSO will ensure compatibility of the various SSPs with the overall SSP. If a UC is in place, the incident managers will appoint the SSO. Any safety officer who, after working with the SSO, disagrees with any portion of the SSP should communicate his/her concerns to his/her organization's senior on-site official. That official should discuss those concerns with the IC or UC. The IC or UC staff should then bring the matter to the attention of the SSO for resolution. The IC, who is ultimately responsible for the safety of everyone on site, provides final approval of the SSP.

B. REQUIREMENTS FOR SITE SAFETY PLANS

Site-specific safety plans are required of private employers of hazardous waste operations under 29 CFR 1910.120, and of governmental employers under 40 CFR 311. Both regulatory documents specify 11 categories that must be included in a site-specific safety plan. The required categories of a SSP are as follows:

1. **Key Personnel and Hazards Communication:** Names of key personnel, such as: Project Manager, Field Operations Leader, Site Supervisor, and Site Health and Safety Officer. Identify communication procedures and provide for pre-activity briefings. (29 CFR 1910.120[b][2])
2. **Task Risk or Hazard Analysis:** Hazards or risks associated with each task to be performed, including identification of chemical contaminants; affected media; concentrations, if known; and potential routes of exposures. (29 CFR 1910.120[b][4])
3. **Employee Training Assignments:** Training required to enter the site (e.g., initial and annual health and safety training, first aid/cardiopulmonary resuscitation (CPR) training, emergency response training). (29 CFR 1910.120[e])
4. **Medical Surveillance Requirements:** Baseline monitoring and site-specific medical monitoring required for all personnel entering the scene. (29 CFR 1910.120[f])
5. **Personal Protective Equipment (PPE):** PPE to be used for each task. (29 CFR 1910.120[g])

6. **Air and Personnel Monitoring:** Frequency and types of air monitoring, personnel monitoring, and environmental sampling techniques and equipment to be used, including methods of maintenance and calibration for equipment and instruments. (29 CFR 1910.120[h])
7. **Site Control Measures:** Procedures to be used to minimize worker exposure to hazardous substances. These would include a site map, work zone definition, buddy system establishment, site communications, emergency alarm procedures, standard operating procedures for safe execution of tasks, and identification of nearest medical assistance. (29 CFR 1910.120[d])
8. **Spill Containment Procedures:** Procedures to contain and isolate entire volume of any hazardous substance spilled during site activities. (29 CFR 1910.120[j])
9. **Decontamination Procedures:** Procedures for decontaminating workers and equipment potentially exposed to hazmat. This section should also include methods to minimize contact with hazmat. (29 CFR 1910.120[k])
10. **Emergency Response Plan:** How anticipated emergencies will be handled and how risks associated with an emergency will be minimized. This plan must be developed prior to commencement of hazardous waste activities. (29 CFR 1910.120[l])
11. **Confined Space Entry Procedures:** If necessary, procedures for entering confined spaces. (29 CFR 1910.120[b][9]).

XIII. ACCESS TO OIL SPILL LIABILITY TRUST FUND AND CERCLA REIMBURSEMENT

Current information on various aspects of the OSLTF is available through USCG's National Pollution Funds Center home page (http://www.uscg.mil/npfc/) and through the OSLTF home page at: http://www.uscg.mil/npfc/About_NPFC/osltf.asp.

A. OSLTF FUNDING PROCEDURES

Local, state, tribal, or federal agencies may obtain funding for removal costs ***through, and with the prior approval of, the FOSC***—or by submitting a claim to the NPFC. Funding will accord with EPA's "*Guidance for Use of The Oil Spill Liability Trust Fund*," (OSWER Dir. 9360.8-11), February 1997; and EPA's "*Guidance for Use of Coast Guard Basic Ordering Agreements for Emergency Oil Spill Response Support*," February 10, 1997.

B. FEDERAL ACCESS TO THE OSLTF

To access the OSLTF, the Eighth Coast Guard District Office in New Orleans, Louisiana, must be contacted at (504) 589-6225 (24-hour number). The District Office will issue an eight-digit case number and authorize a spending ceiling. After receiving a number and ceiling from the District, the federal agency providing an FOSC must contact its contracting officer within 48 hours to issue a delivery order for services under the applicable Basic Ordering Agreements (BOA).

C. STATE ACCESS TO THE OSLTF

In accordance with regulations in Section 1012(d) (1) of OPA, the President, upon request of the State's Governor, may obligate the OSLTF for payment in an amount not to exceed $250,000 for removal costs consistent with the NCP that are required for immediate removal of a discharge or mitigation or prevention of a substantial threat of discharge of oil.

State access to the fund provides an avenue for states to receive federal funds for immediate removal costs. The individual requesting access the OSLTF must:

- Indicate that the request is a state access request under 33 CFR Part 133.
- Provide the name, title, department, and state.
- Describe the incident in sufficient detail to allow a determination of jurisdiction, including the date of the incident, type of product discharged, estimated quantity of discharge, the navigable water involved, and the proposed removal actions for which the funds are being requested under Part 133.
- Indicate the amount of funds requested.

Further information is available through the USCG Technical Operating Procedures (TOP) for state access under Section 1012(d) (1) of OPA, which can be accessed on-line at: http://www.uscg.mil/npfc/urg/urg_chapter_5.asp

D. POLLUTION REMOVAL FUNDING AUTHORIZATION

State and local agencies and other federal agencies may perform removal actions ***under the direct supervision of an FOSC*** through a Pollution Removal Funding Authorization (PRFA). The PRFA is issued by the FOSC and commits the OSLTF to payment, via reimbursement, of costs incurred during pollution response activities undertaken by another government agency working for the FOSC. To ensure reimbursement, responding agencies should obtain a PRFA prior to incurring costs. State or local involvement in use of the OSLTF through a PRFA can be accomplished as follows:

- The appropriate agency notifies the EPA of the spill immediately.
- An FOSC travels to the site and discusses with the state or local representative what actions should be taken.
- The FOSC and the representative reach an agreement and document the specific goods and services to be provided in the form of a scope of work, and provide a good-faith estimate of the total anticipated costs.
- A PRFA is prepared by the authorizing federal agency and signed by the FOSC to fund the state's actions.
- During the response, the state or local government must document costs and submit these daily to the FOSC for approval. The requesting agency is responsible for payment of invoices incurred by response contractors.
- When the removal is complete, the requesting agency submits cost documentation to the NPFC via the FOSC for reimbursement. Reimbursement generally proceeds through a single check to the requesting agency from the USCG after completion of the cleanup.

More information is available in Chapter 10 of the Technical Operation Procedures for Resource Documentation at: http://www.uscg.mil/npfc/Response/Cost%20Documentation/prfa.asp

E. OSLTF CLAIMS

Section 1012(d) (1) of OPA 90 authorizes use of the fund for "payment of claims in accordance with Section 1013 for uncompensated removal costs determined by the President to be consistent with the NCP for uncompensated damages." State or local government agencies may submit claims for uncompensated removal costs, including salaries, equipment, and administrative costs directly related to a specific incident. The claimant may submit claims even if the RP is unknown. To submit a claim against the OSLTF, the state or local agency must:

- Submit a detailed description of the incident including what type of material was released or potentially released; what navigable water was impacted or potentially impacted; what response actions were taken to prevent, minimize, or mitigate the release, and whether those actions were consistent with the NCP.

- Include a detailed summary of monies spent during the response action, and provide backup documentation. The removal costs must have been incurred as a result of the response actions taken to prevent, minimize, or mitigate effects of the incident.

- Submit the package to the USCG NPFC for approval. The NPFC will review the claim to determine whether the costs are reasonable and whether the actions taken were consistent with the NCP, which may include confirming that the response was an OPA 90 incident.

Additional information on claims can be found in the NPFC's Claimant Information Guide at: http://www.uscg.mil/npfc/Claims/default.asp.

F. CERCLA LOCAL GOVERNMENTS REIMBURSEMENT PROGRAM

Section 123 of CERCLA and Section 1002 (b)(2)(F) of OPA authorize EPA to reimburse local governments for some (and in rare cases, possibly all) expenses incurred during temporary emergency measures in response to hazardous substance threats or releases—if those measures were necessary to prevent or mitigate injury to human health or the environment.

This provision is meant to reduce significant financial burdens incurred by a city, county, municipality, parish, township, town, federally recognized Native American Tribe, or other local unit of government that engages in response activities required because of hazardous substance threats. Traditional local responsibilities, such as routine firefighting, are not eligible for reimbursement. States are not eligible for this program and may not request reimbursement on their own behalf or on behalf of a political subdivision within a given state (40 CFR Parts 310.20 and 310.30). The following criteria must be met before a request for reimbursement will be considered:

- Response actions were consistent with CERCLA, NCP, and EPCRA.

- The request contains assurances that the response does not supplant local funds normally provided for such activities.

- The applicant must have first attempted to recover expenses from all known PRPs and any other possible sources of reimbursement (state funds, insurance companies, etc.). Sixty days must be allowed for the RP to respond by making payment, expressing intent to pay, or demonstrating willingness to negotiate payment.

- The request must be received by EPA within 1 year of the date the response was completed.

CERCLA limits the reimbursement to $25,000 per single response. If several agencies or departments are involved in a response, they must determine among themselves which agency will submit the request for reimbursement. Some allowable costs may include, but are not limited to, the following:

- Disposal of materials and supplies acquired and used specifically for the related response
- Employee compensation for response work not provided in the applicant's operating budget
- Rental or leasing of equipment
- Replacement costs of equipment contaminated beyond reuse or repair
- Decontamination of equipment
- Special technical services needed for the response such as those provided by experts or specialists

- Other special services such as utilities
- Laboratory analysis costs related to the response
- Costs associated with supplies, services, and equipment procured for a specific evaluation.

A review panel will evaluate each request and will rank the requests according to financial burden. Financial burden is based on the ratio of eligible response costs to the locality's per capita income adjusted for population. If a request is not reimbursed during the review period for which it is submitted, EPA's reimbursement official has the discretion to hold the request open for 1 year for reconsideration.

An application package can be obtained by contacting the Local Government Reimbursement (LGR) Helpline at 1-800-431-9209. The application package contains detailed, line-by-line instructions for completing the application.

XIV. STATE DISPOSAL REGULATIONS

Table 2 overviews material disposal requirements in SSA states.

TABLE 2: OVERVIEW OF STATE DISPOSAL REGULATIONS

Material or Disposal Method	IOWA	MINNESOTA	NEBRASKA	SOUTH DAKOTA
Non-Hazardous Debris and Soil	Must go to permitted sanitary landfill. IDNR prior approval is required before disposal.	Debris can be disposed at a permitted municipal solid waste (MSW) landfill. If debris meets demolition debris criteria, disposal at a permitted demolition landfill is allowed.	Disposal can occur at an MSW landfill. If debris meets demolition debris criteria, disposal at a permitted demolition landfill is allowed. May be used as beneficial fill for land improvement projects with state approval.	Disposal can occur at an MSW landfill. Disposal of debris meeting certain criteria can occur at a permitted restricted use or demolition debris site. Clean concrete, brick, stone, or soil can be used as fill or disposed of without a solid waste permit.
RCRA Hazardous Debris and Soil	Iowa does not have an RCRA. program; consult EPA Region 7. No RCRA disposal facilities in Iowa.	No RCRA disposal facilities in State. Must be managed in accordance with Minnesota Rule 7045. State has authority to waive parts of the rule during an emergency. MPCA has authority to hire emergency response contractors and manage cleanup.	Must be managed as a hazardous waste in accordance with NDEQ regulation (Title 128).	No RCRA disposal facilities in SD. Must manage waste in accordance with South Dakota's hazardous waste rules (Administrative Rule of SD 74:28).
Open Burning	Generally prohibited. Variance possible through IDNR.	Generally prohibited. Variance possible through MDNR.	Generally prohibited. Variance possible through NDEQ.	Trees, branches, and brush may be burned without a state solid waste permit. Open burning of trees, branches, and brush must comply with city and/or county regulations. Open burning is generally prohibited.
Emergency Response Contractors	Available from IDNR.	Available from MPCA.	Available from NDEQ.	Available from DENR.

TABLE 2: OVERVIEW OF STATE DISPOSAL REGULATIONS

Material or Disposal Method	IOWA	MINNESOTA	NEBRASKA	SOUTH DAKOTA
Petroleum-Contaminated Water	Can discharge to storm or sanitary sewer if below allowable levels with approval from IDNR and municipal officials.	Can discharge to sanitary sewer with permission from the operator and MPCA.	Can discharge to a storm or sanitary sewer provided notice of intent is submitted to NDEQ prior to discharging and the discharge is below allowable levels. Permission from the local authority is also needed for discharges to sanitary sewers.	Can discharge to sanitary sewer if permit is obtained from SD DENR and certain limits are met. Permission is also needed from local authority for discharges to sewers. Disposal can occur at a DENR-permitted, petroleum-contaminated-soil land farm.
Land Farming	Allowed if IDNR criteria are followed.	One-time landfarming of petroleum-contaminated soil is allowed with ER Team approval. Multiple source soils require site permitting per Minnesota Rule 7037.	One-time land-farming of special wastes can be performed in accordance with NDEQ soils protocol. Repeated land-farming of special wastes of a parcel of land requires a permit from NDEQ.	Land farming of solid or special wastes requires a state-issued solid waste permit.
Pesticides and Fertilizers	Recovered liquids and solids may be applied to agricultural land at normal rates with IDNR approval.	Recovered liquids and solids must be applied to agricultural land at normal rates. Others rates permitted in select cases if performed under direction of Minnesota Department of Agriculture.	Recovered liquids and solids may be applied to agricultural land at normal rates if consistent with label and material safety data sheet requirements.	After South Dakota Department of Agriculture approval, recovered liquids/solids may be applied to agricultural land at the label application rate. If material cannot be land-applied, it must be properly disposed of at a permitted facility.
Petroleum-Contaminated Soils	Excavated soil may be incinerated at an approved incinerator, land-applied at a permitted sanitary landfill, or land farmed on property with approval of the owner as long as IDNR criteria are followed.	One-time land farming of petroleum-contaminated soil is allowed with MPCA approval.	Can be land-applied in accordance with NDEQ soils protocol or must be disposed of at a sanitary landfill.	Petroleum-contaminated media and debris can be disposed of as a solid waste at a permitted MSW landfill. Petroleum-contaminated soil can be treated at a permitted petroleum-contaminated soil land farm.

APPENDIX A: ACRONYMS AND ABBREVIATIONS

§	Article

A

AC	Area Committee
ACP	Area Contingency Plan

B

BIA	Bureau of Indian Affairs
BOA	Basic Ordering Agreement
BOEM	Bureau of Ocean Energy Management, Regulation and Enforcement

C

CAA	Clean Air Act
CBRN	Chemical, biological, radiological, and nuclear
CDC	Centers for Disease Control and Prevention
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	*Code of Federal Regulations*
CMAT	Consequence Management Advisory Team
COTP	Captain of the Port
CPR	Cardiopulmonary resuscitation
CWA	Clean Water Act (Federal Water Pollution Control Act)

D

DENR	South Dakota Department of Environment and Natural Resources
DHS	U.S. Department of Homeland Security
DMS	Dynamic message sign
DOC	Department of Commerce
DOD	Department of Defense
DOE	Department of Energy
DOI	Department of the Interior
DOR	Department of Roads
DOT	Department of Transportation
DRAT	District Response Advisory Team
DRG	District Response Group

E

EAS	Emergency Alert System
EMA	Emergency Management Agency
EMS	Emergency Medical Services
EOC	Emergency Operations Center
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right To Know Act (SARA Title III)

ERRS	Emergency and Rapid Response Services
ERT	Environmental Response Team
ESA	Endangered Species Act
ESF	Emergency Support Function

F

F&R	Fire and Rescue
FD	Fire Department
FOSC	Federal On-Scene Coordinator
FRP	Facility Response Plan

H

Hazmat	Hazardous materials
HAZWOPER	Hazardous Waste Operations and Emergency Response
HHS	Department of Health and Human Services
HSEM	Minnesota Division of Homeland Security and Emergency Management
HSEMD	Iowa Homeland Security and Emergency Management Department
HSPD	Homeland Security Presidential Directive

I

IC	Incident Command or Incident Commander
ICP	Integrated Contingency Plan
ICS	Incident Command System
IDALS	Iowa Department of Agriculture and Land Stewardship
IDNR	Iowa Department of Natural Resources
IDOT	Iowa Department of Transportation
ISP	Iowa State Patrol

J

JFO	Joint Field Office

L

LDB	Left descending bank
LEOP	Local Emergency Operations Plan
LEPC	Local Emergency Planning Committee
LERP	Local Emergency Response Plan
LGR	Local Government Reimbursement

M

MDNR	Minnesota Department of Natural Resources
MDO	Minnesota Duty Officer
MNRR	Missouri National Recreational River
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding

MPCA	Minnesota Pollution Control Agency
MSA	Metropolitan Statistical Area
MSP	Minnesota State Patrol
MSW	Municipal solid waste

N

NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NDEQ	Nebraska Department of Environmental Quality
NGPC	Nebraska Game & Parks Commission
NIMS	National Incident Management System
NOAA	National Oceanic and Atmospheric Administration
NPFC	National Pollution Funds Center
NPS	National Park Service
NRC	National Response Center
NRDA	Natural Resource Damage Assessment
NRF	National Response Framework
NRP	National Response Plan
NRS	National Response System
NRT	National Response Team
NSF	National Strike Force
NSFCC	National Strike Force Coordination Center
NSP	Nebraska State Patrol
NWS	National Weather Service

O

ORP	Office of Radiation Programs
OPA 90	Oil Pollution Act of 1990
OPA	Oil Pollution Act
OSC	On-Scene Coordinator
OSHA	Occupational Safety and Health Administration
OSLTF	Oil Spill Liability Trust Fund
OSWER	Office of Solid Waste and Emergency Response
OSRO	Oil Spill Removal Organization

P

PFO	Principal Federal Official
PIAT	Public Information Assist Team
PIO	Public Information Officer
PPE	Personal protective equipment
PRFA	Pollution Removal Funding Authorization
PRP	Potentially responsible party

R

RDB	Right descending bank
RCP	Regional Contingency Plan

RCRA	Resource Conservation and Recovery Act
RERT	Radiological Emergency Response Team
RICP	Regional Integrated Contingency Plan
RP	Responsible party
RPM	Remedial Project Manager
RRC	Regional Review Committee
RRT	Regional Response Team

S

SACP	Sub-Area Contingency Plan
SARA Title III	Title III of the Superfund Amendments and Reauthorization Act of 1986
SARA	Superfund Amendments and Reauthorization Act of 1986
SDGFP	South Dakota Game, Fish, and Parks
SDSHP	South Dakota State Highway Patrol
SERC	State Emergency Response Commission
SMOA	Superfund Memorandum of Agreement
SNA	Scientific and Natural Area
SOSC	State On-Scene Coordinator
SRA	State Recreation Area
SSA	Siouxland Sub-Area
SSACP	Siouxland Sub-Area Contingency Plan
SSC	Scientific Support Coordinator
SSO	Site Safety Officer
SSP	Site Safety Plan
START	Superfund Technical Assessment and Response Team
SUPSALV	Supervisor of Salvage

T

TNC	The Nature Conservancy
TOP	Technical Operating Procedure

U

U.S.C.	*United States Code*
UC	Unified Command
USACE	United States Army Corps of Engineers
USCG	United States Coast Guard
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service

W

WCD	Worst-case discharge
WMA	Wildlife Management Area

APPENDIX B: DEFINITIONS

Appendix B provides definitions for words or phrases that might be encountered during a response. Inclusion of definitions for various materials or treatment techniques should not be interpreted as endorsement or approval of their uses.

Activation means notification by telephone or other expeditious manner or, when required, assembly of some or all appropriate members of the RRT or NRT.

Area Committee (AC), as provided for by CWA sections 311(a)(18) and (j)(40), means the entity appointed by the President consisting of members from qualified personnel of federal, state, and local agencies with responsibilities that include preparing an area contingency plan for an area designated by the President.

Area Contingency Plan (ACP), as provided for by CWA sections 311(a)(19) and (j)(4), means the plan prepared by an AC that is developed to be implemented in conjunction with the NCP and RCP, in part to address removal of a worst-case discharge and to mitigate or prevent a substantial threat of such a discharge from a vessel, offshore facility, or onshore facility operating in or near an area designated by the President.

Bioremediation Agents means microbiological cultures, enzyme additives, or nutrient additives deliberately introduced into an oil discharge, and that will significantly increase the rate of biodegradation to mitigate effects of the discharge.

CERCLA is the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA).

Chemical Agents means those elements, compounds, or mixtures that coagulate, disperse, dissolve, emulsify, foam, neutralize, precipitate, reduce, solubilize, oxidize, concentrate, congeal, entrap, fix, make the pollutant mass more rigid or viscous, or otherwise facilitate mitigation of deleterious effects or removal of a pollutant from water. Chemical agents include biological additives, dispersants, sinking agents, miscellaneous oil spill control agents, and burning agents, but do not include sorbents.

Claim, for purposes of a release under CERCLA, means a demand in writing for a sum certain; for purposes of a discharge under CWA, it means a request, made in writing for a sum certain, for compensation for damages or removal costs resulting from an incident.

Discharge, as defined by section 311(a)(2) of the CWA, includes, but is not limited to, any spilling, leaking, pumping, pouring, emitting, emptying, or dumping of oil, but excludes any of the following: (1) discharges in compliance with a permit under section 402 of the CWA; (2) discharges resulting from circumstances identified and reviewed and made a part of the public record with respect to a permit issued or modified under section 402 of the CWA, and subject to a condition in such permit; and (3) continuous or anticipated intermittent discharges from a point source, identified in a permit or permit application under section 402 of the CWA, that are caused by events occurring within the scope of relevant operating or treatment systems. For purposes of the NCP, discharge also means substantial threat of discharge.

Dispersants means those chemical agents that emulsify, disperse, or solubilize oil into a water column or promote surface spreading of oil slicks to facilitate dispersal of oil into a water column.

Environment, as defined by section 101(8) of CERCLA, means navigable waters, waters of the contiguous zone, and ocean waters of which the natural resources are under the exclusive management authority of the United

States under the Magnuson Fishery Conservation and Management Act (16 U.S.C. 1801 et seq.); and any other surface water, groundwater, drinking water supply, land surface or subsurface strata, or ambient air within the United States or under the jurisdiction of the United States.

Facility, as defined by section 101(9) of CERCLA, means any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or publicly owned treatment works), well, pit, pond, lagoon, impoundment, ditch, landfill, storage container, motor vehicle, rolling stock, or aircraft, or any site or area, where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise has come to be located; but does not include any consumer product in consumer use or any vessel. As defined by section 1001 of the OPA, it means any structure, group of structures, equipment, or device (other than a vessel) used for one or more of the following purposes: exploring for, drilling for, producing, storing, handling, transferring, processing, or transporting oil. This term includes any motor vehicle, rolling stock, or pipeline used for one or more of these purposes.

Federal Response Plan means the agreement signed by 27 federal departments and agencies in April 1987 and developed under the authorities of the Earthquake Hazards Reduction Act of 1977 (42 U.S.C. 7701 et seq.), and the Disaster Relief Act of 1974 (42 U.S.C. 3231 et seq.), as amended by the Stafford Disaster Relief Act of 1988.

First Federal Official means the first federal representative of a participating agency of the NRT to arrive at the scene of a discharge or a release. This official coordinates activities under the NCP and may initiate, in consultation with the OSC, any necessary actions until the arrival of the predesignated OSC. A state with primary jurisdiction over a site covered by a cooperative agreement will act in the stead of the First Federal Official for any incident at the site.

Fund or Trust Fund means the Hazardous Substance Superfund established by section 9507 of the Internal Revenue Code of 1986.

Groundwater, as defined by section 101(12) of CERCLA, means water in a saturated zone or stratum beneath the surface of land or water.

Hazardous substance, as defined by section 101(14) of CERCLA, means: any substance designated pursuant to section 311(b)(2)(A) of the CWA; any element, compound, mixture, solution, or substance designated pursuant to section 102 of CERCLA; any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (but not including any waste regulation under the Solid Waste Disposal Act [42 U.S.C. 6901 et seq.] suspended by Act of Congress); any toxic pollutant listed under section 307(a) of the CWA; any hazardous air pollutant listed under section 112 of the CAA (42 U.S.C. 7521 et seq.); and any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action pursuant to section 7 of the Toxic Substances Control Act (15 U.S.C. 2601 et seq.). The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance in the first sentence of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

Inland waters for the purposes of classifying the size of discharges, means those waters of the United States inland zone, waters of the Great Lakes, and specified ports and harbors on inland rivers.

Joint Field Office (JFO) is a temporary federal facility established locally to provide a central point for federal, state, local, and tribal executives with responsibility for incident oversight, direction, and/or assistance to effectively coordinate protection, prevention, preparedness, response, and recovery actions. The JFO combines

the traditional functions of the Joint Operations Center, the Federal Emergency Management Agency's Disaster Field Office, and the Joint Information Center within a single federal facility.

Lead Administrative Trustee means a natural resource trustee designated incident-by-incident for pre-assessment and assessment of damage that has occurred, chosen by the other trustees whose natural resources are affected by the incident. During response operations, the lead administrative trustee facilitates effective and efficient communication between the OSC and the other natural resource trustees conducting activities associated with damage assessment, and is responsible for applying to the OSC on behalf of all trustees for access to response operations resources to initiate a damage assessment.

Lead agency means the agency that provides the FOSC/RPM to plan and implement response actions under the NCP. The lead agency for a response action may be EPA, USCG, another federal agency, or a state or political subdivision of a state operating pursuant to a contract or cooperative agreement executed pursuant to section 104(d)(1) of CERCLA, or designated pursuant to an SMOA entered into pursuant to subpart F of the NCP or other agreements. Regarding a release of a hazardous substance, pollutant, or contaminant, DOD or DOE will be the lead agency if the release is on, or the sole source of the release is from, any facility or vessel under jurisdiction, custody, or control of DOD or DOE. If the release is on, or the sole source of the release is from, any facility or vessel under jurisdiction, custody, or control of a federal agency other than EPA, USCG, DOD, or DOE, that agency will be the lead agency for remedial removal actions other than emergencies. The lead federal agency maintains lead status if the remedy is selected by that federal agency for non-National Priorities List sites, or by EPA and that federal agency, or by EPA alone under CERCLA section 120. The lead agency will consult with the support agency, if one exists, throughout the response process.

Management of migration means actions taken to minimize and mitigate migration of hazardous substances or pollutants or contaminants, and effects of such migration. Measures may include, but are not limited to, management of a plume of contamination, restoration of a drinking water aquifer, or restoration of surface water.

Miscellaneous oil spill control agent is any product, other than a dispersant, sinking agent, surface washing agent, surface collecting agent, bioremediation agent, burning agent, or sorbent, that can be used to enhance oil spill cleanup, removal, treatment, or mitigation.

National Incident Management System (NIMS) is a system mandated by Presidential Homeland Security Policy Directive-5 that provides a consistent, nationwide approach for federal, state, local, and tribal governments; the private sector; and nongovernmental organizations to work effectively and efficiently together to prepare for, respond to, and recover from domestic incidents regardless of cause, size, or complexity. To provide for interoperability and compatibility among federal, state, local, and tribal capabilities, NIMS includes a core set of concepts, principles, and terminology. HSPD-5 identifies these as ICS; multi-agency coordination systems; training; identification and management of resources (including systems for classifying types of resources); qualification and certification; and collection, tracking, and reporting of incident information and incident resources.

National Pollution Funds Center (NPFC) means the entity established by the Secretary of Transportation to administer the OSLTF. Among the NPFC's duties are: providing appropriate access to the OSLTF by federal agencies and states for removal actions, and by federal trustees for initiating assessment of natural resource damages; providing appropriate access to the OSLTF for claims; and coordinating cost recovery efforts.

National Response Framework (NRF) presents the guiding principles that enable responders to prepare for and provide a unified national response to disasters and emergencies ranging from the smallest incident to the

largest catastrophe. The NRF establishes a comprehensive, national, all-hazards approach to domestic response. It defines the key principles, roles, and structures that will lead to an organized response. It describes how communities, tribes, states, the Federal Government, and private-sector and nongovernmental partners apply those principles for a coordinated, effective, national response. The NRF identifies special circumstances under which the Federal Government exercises a larger role, including incidents involving federal interests and catastrophic incidents requiring significant support for a state.

National Response Plan (NRP) is an all-discipline, all-hazards plan that established a single, comprehensive framework for management of domestic incidents. The NRP, approved in 2004 and revised in 2006, provided the structure and mechanisms for coordination of federal support to state, local, and tribal incident managers, and for exercising direct federal authorities and responsibilities. Portions of the NRP were superseded when the NRF became official on March 28, 2008.

National Response System (NRS) is the mechanism for coordinating response actions by all levels of government in support of the OSC/RPM. The NRS is composed of the NRT, RRTs, OSC/RPM, ACs, and Special Teams and related support entities. The NRS is capable of expanding or contracting to accommodate the response effort required by the size or complexity of the discharge or release.

National Strike Force (NSF) is a special team established by USCG, including the three USCG Strike Teams, the PIAT, and the NSFCC. The NSF is available to assist OSCs/RPMs in their preparedness and response duties.

National Strike Force Coordination Center (NSFCC), authorized as the National Response Unit by CWA sections 311 (a)(23) and (j)(2), means the entity established by the Secretary of the Department in which the USCG is operating at Elizabeth City, North Carolina, with responsibilities that include administering USCG Strike Teams, maintaining response equipment inventories and logistic networks, and conducting a national exercise program.

Natural resources means land, fish, wildlife, biota, air, water, groundwater, drinking water supplies, and other such resources belonging to, managed by, held in trust by, appertaining to, or otherwise controlled by the United States (including the resources of the exclusive economic zone defined by the Magnuson Fishery Conservation and Management Act of 1976); any state or local government; any foreign government; any Indian tribe; or, if such resources are subject to a trust restriction on alienation, any member of an Indian tribe.

Navigable waters, as defined by 40 CFR 110.1, means the waters of the United States, including the territorial seas. The term includes all of the following:

(1) All waters that are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters subject to ebb and flow of the tide.

(2) Interstate waters, including interstate wetlands.

(3) All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, and wetlands, the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce, including any such waters:

   (i) That are or could be used by interstate or foreign travelers for recreational or other purposes

   (ii) From which fish or shellfish are or could be taken and sold in interstate or for commerce.

(4) All impoundments of waters otherwise defined as navigable waters under this section.

(5) Tributaries of waters identified in paragraphs (1) through (4) of this definition, including adjacent wetlands.

(6) Wetlands adjacent to waters identified in paragraphs (1) through (5) of this definition—provided that waste treatment systems (other than cooling ponds meeting the criteria of this paragraph) are not waters of the United States.

Waters of the United States do not include prior converted cropland. Notwithstanding determination of an area's status as prior converted cropland by any other federal agency, for the purposes of CWA, the final authority regarding CWA jurisdiction remains with EPA.

Oil, as defined by section 311(a)(1) of CWA, means oil of any kind or in any form, including, but not limited to, petroleum, fuel oil, sludge, oil refuse, and oil mixed with wastes other than dredged spoil.

Oil, also defined by section 1001 of the OPA, means oil of any kind or in any form, including, but not limited to, petroleum, fuel oil, sludge, oil refuse, and oil mixed with wastes other than dredged spoil, but does not include petroleum, including crude oil or any fraction thereof, which is specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of section 101(14) of CERCLA (42 U.S.C. 9601), and which is subject to the provisions of CERCLA.

Oil Spill Liability Trust Fund (OSLTF) means the fund established under section 9509 of the Internal Revenue Code of 1986 (26 U.S.C. 9509).

On-Scene Coordinator (OSC), under subpart E of the NCP, means the federal official predesignated by EPA or USCG to coordinate and direct responses under subpart D of the NCP, or the government official designated by the lead agency to coordinate and direct removal actions.

Onshore Facility, as defined by section 101(18) of CERCLA, means any facility (including, but not limited to, motor vehicles and rolling stock) of any kind located in, on, or under any land or non-navigable water within the United States; and, as defined by section 311(a)(10) of the CWA, means any facility (including, but not limited to, motor vehicles and rolling stock) of any kind located in, on, or under any land within the United States other than submerged land.

On-site means the areal extent of contamination and all suitable areas in very close proximity to the contamination necessary for implementation of the response action.

Person, as defined by section 101(21) of CERCLA, means an individual, firm, corporation, association, partnership, consortium, joint venture, commercial entity, United States government, state, municipality, commission, political subdivision of a state, or any interstate body. As defined by section 1001 of OPA, "person" means an individual, corporation, partnership, association, state, municipality, commission, or political subdivision of a state, or any interstate body.

Principal Federal Official (PFO) is the federal official designated by the Secretary of Homeland Security to act as his/her representative locally to oversee, coordinate, and execute the Secretary's incident management responsibilities under HSPD-5 for Incidents of National Significance.

Pollutant or contaminant, as defined by section 101(33) of CERCLA, shall include, but not be limited to, any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chain, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions (including malfunctions in reproduction) or physical deformations, in such organisms or their offspring. The term does not

include petroleum, including crude oil or any fraction thereof, that is not otherwise specifically listed or designated as a hazardous substance under section 101(14)(A) through (F) of CERCLA; nor does it include natural gas, liquefied natural gas, or synthetic gas of pipeline quality (or mixtures of natural gas and such synthetic gas). For purposes of the NCP, the term pollutant or contaminant means any pollutant or contaminant that may present an imminent and substantial danger to public health or welfare of the United States.

Public vessel, as defined by section 311(a)(4) of the CWA, means a vessel owned or bareboat-chartered and operated by the United States, or by a state or political subdivision thereof, or by a foreign nation, except when such vessel is engaged in commerce.

Remove or removal, as defined by section 311(a)(8) of the CWA, refers to containment and removal of oil or hazardous substances from the water and shorelines or the taking of such other actions as may be necessary to minimize or mitigate damage to the public health or welfare of the United States (including, but not limited to, fish, shellfish, wildlife, public and private property, and shorelines and beaches) or to the environment. For the purpose of the NCP, the term also includes monitoring of action to remove a discharge. As defined by section 101(23) of CERCLA, remove or removal means the cleanup or removal of released hazardous substances from the environment; such actions as may be necessary taken in the event of the threat of release of hazardous substances in the environment; such actions as may be necessary to monitor, assess, and evaluate the release or threat of release of hazardous substances; disposal of removed material; or the taking of such other actions as may be necessary to prevent, minimize, or mitigate damage to the public health or welfare of the United States or to the environment, which may otherwise result from a release or threat of release. The term includes, in addition, without being limited to, security fencing or other measures to limit access, provision of alternative water supplies, temporary evacuation and housing of threatened individuals not otherwise provided for, action taken under section 104(b) of CERCLA, post-removal site control (where appropriate), and any emergency assistance that may be provided under the Disaster Relief Act of 1974. For the purpose of the NCP, the term also includes enforcement activities related thereto.

Removal costs, as defined by section 1001 of OPA, means the costs of removal incurred after a discharge of oil, or in any case involving a substantial threat of a discharge of oil, and costs to prevent, minimize, or mitigate oil pollution from such an incident.

Respond or response, as defined by section 101(25) of CERCLA, means removal, remedy, or remedial action, including enforcement activities related thereto.

Responsible party (RP), as defined by section 1001 of OPA, means the following:

(1) Vessels—In the case of a vessel, any person owning, operating, or demise chartering the vessel.

(2) Onshore Facilities—In the case of an onshore facility (other than a pipeline), any person owning or operating the facility, except a federal agency, state, municipality, commission, or political subdivision of a state, or any interstate body that as the owner transfers possession and right to use the property to another person by lease, assignment, or permit.

(3) Offshore Facilities—In the case of an offshore facility (other than a pipeline or a deepwater port licensed under the Deepwater Port Act of 1974 [33 U.S.C. 1501 et seq.]), the lessee or permittee of the area in which the facility is located or the holder of a right of use and easement granted under applicable state law or the Outer Continental Shelf Lands Act (43 U.S.C. 1301-1356) for the area in which the facility is located (if the holder is a different person than the lessee or permittee), except a federal agency, state, municipality, commission, or political subdivision of a state, or any interstate body that as owner transfers possession and right to use the property to another person by lease, assignment, or permit.

(4) Deepwater Ports—In the case of a deepwater port licensed under the Deepwater Port Act of 1974 (33 U.S.C. 1501-1524), the licensee.

(5) Pipelines—In the case of a pipeline, any person owning or operating the pipeline.

(6) Abandonment—In the case of an abandoned vessel, onshore facility, deepwater port, pipeline, or offshore facility, the person who would have been the RP immediately prior to abandonment of the vessel or facility.

Superfund Amendments and Reauthorization Act of 1986 (SARA) includes amendments to CERCLA, the Solid Waste Disposal Act, and the Internal Revenue Code in addition to certain free-standing provisions of law. Among the free-standing provisions of law is Title III of SARA, also known as the "Emergency Planning and Community Right-to-Know Act of 1986" and Title IV of SARA, also known as the "Radon Gas and Indoor Air Quality Research Act of 1986." Title V of SARA amending the Internal Revenue Code is also known as the "Superfund Revenue Act of 1986."

Size classes of discharges refers to the following size classes of oil discharges that are provided as guidance to the OSC and serve as the criteria for actions delineated in subpart D of the NCP. They are not meant to imply associated degrees of hazard to public health or welfare of the United States; nor are they a measure of environmental injury. Any oil discharge that poses a substantial threat to public health or welfare of the United States or the environment, or results in significant public concern, shall be classified as a major discharge regardless of the following quantitative measures:

(1) Minor discharge means a discharge to the inland waters of less than 1,000 gallons of oil or a discharge to the coastal waters of less than 10,000 gallons of oil.

(2) Medium discharge means a discharge of 1,000 to 10,000 gallons of oil to the inland waters or a discharge of 10,000 to 100,000 gallons of oil to the coastal waters.

(3) Major discharge means a discharge of more than 10,000 gallons of oil to the inland waters or more than 100,000 gallons of oil to the coastal waters.

Size classes of releases refers to the following size classifications provided as guidance to the OSC for meeting pollution reporting requirements in subpart B of the NCP. The OSC will make the final determination of the appropriated classification of a release based on consideration of the particular release (e.g., size, location, impact, etc.):

(1) Minor release means a release of a quantity of hazardous substance(s), pollutant(s), or contaminants(s) that poses minimal threat to public health or welfare of the United States or the environment.

(2) Medium release means a release not meeting the criteria for classification as a minor or major release.

(3) Major release means a release of any quantity of hazardous substance(s), pollutant(s), or contaminant(s) that poses a substantial threat to public health or welfare of the United States or the environment, or results in significant public concern.

Sorbents means essentially inert and insoluble materials used to remove oil and hazardous substances from water through adsorption, whereby the oil or hazardous substance is attracted to the sorbent surface and then adheres to it; absorption, in which the oil or hazardous substance penetrates the pores of the sorbent material; or a combination of the two. Sorbents are generally manufactured in particulate form for spreading over an oil slick or as sheets, rolls, pillows, or booms. The sorbent material may consist of, but is not limited to, the following materials:

(1) Organic Products

(i) Peat moss or straw

(ii) Cellulose fibers or cork

(iii) Corn cobs

(iv) Chicken, duck, or other bird feathers

(2) Mineral compounds

(i) Volcanic ash or perlite

(ii) Vermiculite or zeolite

(3) Synthetic products

(i) Polypropylene

(ii) Polyethylene

(iii) Polyurethane

(iv) Polyester.

Source control action is construction or installation and startup of those actions necessary to prevent continued release of hazardous substances or pollutants or contaminants (primarily from a source on top of or within the ground, or in buildings or other structures) into the environment.

Source control maintenance measures are those measures intended to maintain effectiveness of source control actions once such actions are operating and functioning properly, such as maintenance of landfill caps and leachate collection systems.

Spill of National Significance means a spill that—due to its severity, size, location, actual or potential impact on public health and welfare or the environment, or the necessary response effort—is so complex that it requires extraordinary coordination of federal, state, local, and RP resources to contain and clean up the discharge.

State means the several states of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the U.S. Virgin Islands, the Commonwealth of the Northern Marianas, and any other territory of possession over which the United States has jurisdiction. For purposes of the NCP, the term includes Indian tribes as defined in the NCP except where specifically noted. Section 126 of CERCLA provides that the governing body of an Indian tribe shall be afforded substantially the same treatment as a state with respect to certain provisions of CERCLA. Section 300.515(b) of the NCP describes the requirements pertaining to Indian tribes that wish to be treated as states under CERCLA.

Support agency means the agency or agencies that provide the support agency coordinator to furnish necessary data to the lead agency, review response data and documents, and provide other assistance as requested by the OSC or RPM. EPA, USCG, another federal agency, or a state may be a support agency for a response action if operating pursuant to a contract executed under section 104(d)(1) of CERCLA or designated pursuant to an SMOA entered into pursuant to subpart F of the NCP or other agreement. The support agency may also concur on decision documents.

Surface collecting agents means those chemical agents that form a surface film to control the layer thickness of oil.

Surface washing agent is any product that removes the oil from solid surfaces, such as beaches and rocks, through a detergent mechanism and does not involve dispersing or solubilizing the oil into the water column.

Tank vessel, as defined by section 1001 of the OPA, means a vessel constructed or adapted to carry, or that carries oil or hazmat in bulk as cargo or cargo residue, and that operates under any of the following circumstances:

- Is a vessel of the United States
- Operates on the navigable waters
- Transfers oil or hazmat in a place subject to the jurisdiction of the United States.

Threat of discharge or release. See definitions of discharge and release.

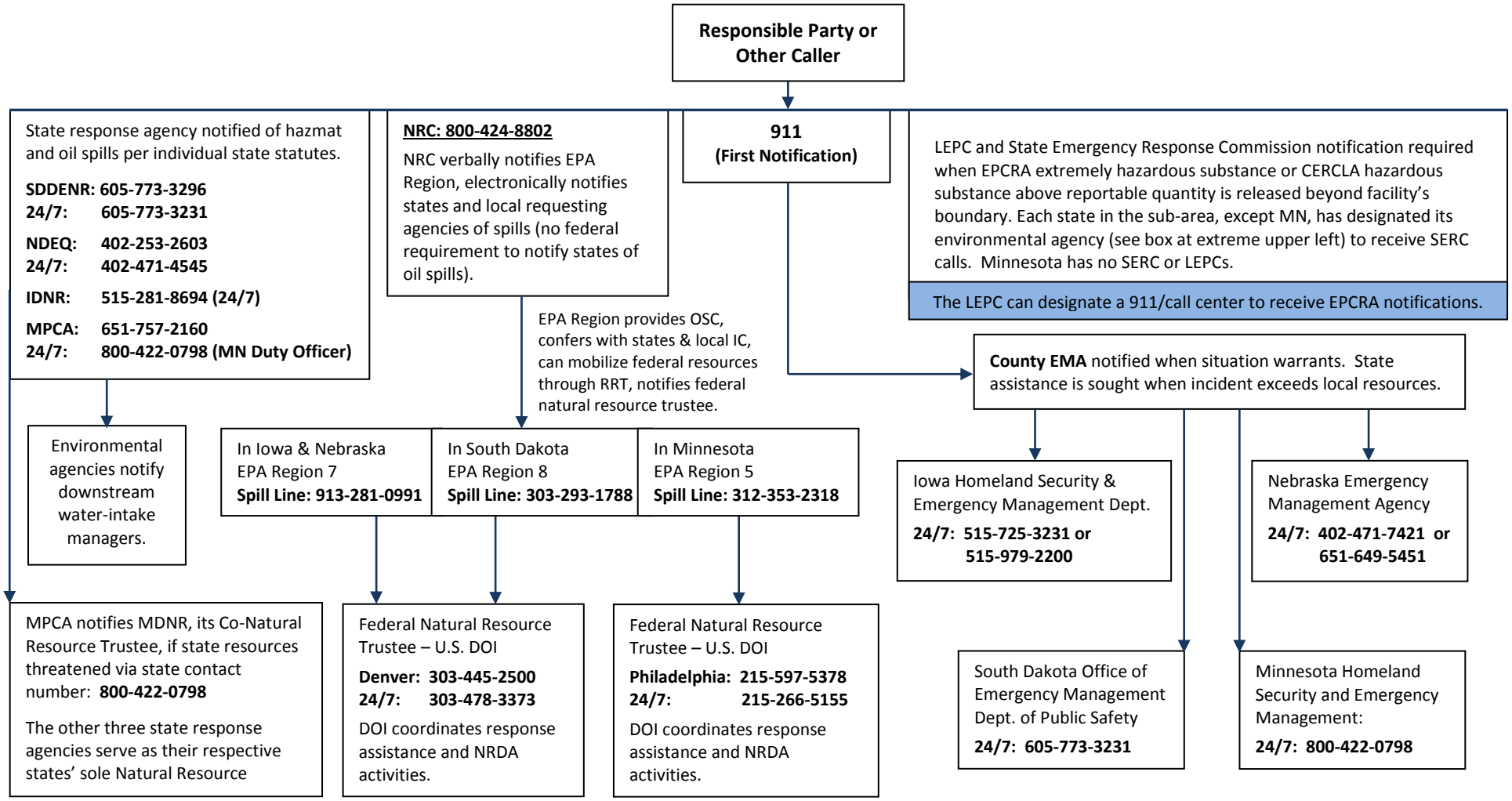
Threat of release. See definition of release.

Trustee means an official of a federal natural resources management agency designated in subpart G of NCP or a designated state official or Indian tribe or, in the case of discharges covered by OPA, a foreign government official, who may pursue claims for damages under section 107(f) of CERCLA or section 1006 of OPA.

United States, when used in relation to section 311(a)(5) of the CWA, means the states, the District of Columbia, the Commonwealth of Puerto Rico, the Northern Mariana Islands, Guam, American Samoa, the United States Virgin Islands, and the Pacific Island Governments. United States, when used in relation to section 101(27) of CERCLA and section 1001(36) of OPA, includes the several states of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Commonwealth of the Northern Marianas, and any other territory or possession over which the United States has jurisdiction.

Worst-case discharge, as defined by section 311(a)(24) of the CWA, means, in the case of a vessel, a discharge under adverse weather conditions of its entire cargo, and, in the case of an offshore facility or onshore facility, the largest foreseeable discharge under adverse weather conditions.

APPENDIX C: SIOUXLAND SUB-AREA SPILL NOTIFICATION FLOWCHART



APPENDIX D: FEDERAL AGENCY CONTACTS

TABLE D3: FEDERAL AGENCY CONTACTS

National Response Center - Washington, D.C.		
Business Hours	National Response Center	800-424-8802
24 hour	National Response Center	800-424-8802
Fax	National Response Center	202-267-2165
EPA Region 5 - Chicago, IL		
Coordinating Office	Emergency and Enforcement Response Branch	312-353-2318
24 hour	Emergency and Enforcement Response Branch	312-353-2318
Fax	Emergency and Enforcement Response Branch	312-353-9176
EPA Region 7 - Lenexa, KS		
Coordinating Office	Emergency Response Program	913-551-7641
24 hour	Emergency Response Program	913-281-0991
Fax	Emergency Response Program	913-551-7948
EPA Region 8 - Denver, CO		
Coordinating Office	Emergency Response Program	303-312-6822
24 hour	Emergency Response Program	303-293-1788
Fax	Emergency Response Program	303-312-6071
U.S. Coast Guard , 8th Coast Guard District – New Orleans, LA		
Coordinating Office	Response Division	504-671-2230
24 hour	Command Center	504-589-6225
U.S. Coast Guard – Sector Upper Mississippi River - St. Louis, MO		
Business Hours	Sector Upper Mississippi River	314-269-2500
24 hour	Sector Upper Mississippi River	866-360-3386 314-269-2332
Marine Safety Detachment - St. Paul, MN		
Business Hours	Marine Safety Detachment, St. Paul	952-806-0021
24 hour	Marine Safety Detachment , St. Paul	612-670-5094
U.S. Coast Guard, Atlantic Strike Team - Fort Dix, NJ		
Business Hours	Atlantic Strike Team	609-724-0008
24 hour	Atlantic Strike Team	609-724-0008
U.S. Coast Guard, National Strike Force - Elizabeth City, NC		
Business Hours	National Strike Force	252-331-6000
24 hour	National Strike Force	252-331-6000
U.S. Department of Interior and U.S. Fish and Wildlife Service		
Business Hours	DOI Regional Environmental Officer - Philadelphia Region (includes MN)	215-597-5012
24 hour	DOI Regional Environmental Officer - Philadelphia Region (includes MN)	215-266-5155
Business Hours	DOI Regional Environmental Officer - Denver Region (includes IA, NE, and SD)	303-445-2500
24 hour	DOI Regional Environmental Officer - Denver Region (includes IA, NE, and SD)	303-478-3373
Business Hours	USFWS Midwest Regional Office, Region 3 (includes MN and IA)	612-713-5104

TABLE D3: FEDERAL AGENCY CONTACTS

24 hour	USFWS Midwest Regional Office, Region 3 (includes MN and IA)	612-702-9581
Business Hours	USFWS Minnesota/Wisconsin Field Office (includes MN)	612-725-3548, x2203 or 2205
24 hour	USFWS Minnesota/Wisconsin Field Office (includes MN)	612-600-6772
Business Hours	USFWS Rock Island Field Office (includes IA)	309-757-8800, x206
Business Hours	USFWS, Mountain-Prairie Region Regional Office, Region 6 (includes SD and NE)	303-236-4261
Business Hours	USFWS Nebraska Field Office (includes NE)	308-382-6468, x23
24 hour	USFWS Nebraska Field Office (includes NE)	308-379-6592
Business Hours	USFWS South Dakota Field Office (includes SD)	605-224-8693, x232
24 hour	USFWS South Dakota Field Office (includes SD)	605-222-2994
Business Hours	NPS Midwest Regional Office (includes all four States)	402-661-1708
24 hour	NPS Midwest Regional Office (includes all four States)	402-514-7015
Business Hours	NPS Missouri National Recreational River (NE)	605-665-0209
Business Hours	NPS Pipestone National Monument (MN)	507-825-5464
Business Hours	USFWS Midwest Regional Office, Region 3 (includes MN and IA)	612-713-5350
Business Hours	USFWS, Mountain-Prairie Region Regional Office, Region 6 (includes SD and NE)	303-236-7905

APPENDIX E: ADDITIONAL STATE AND FEDERAL CONTACTS

TABLE E4: NPFC AND OTHER REGION 7 STATE CONTACTS

National Pollution Funds Center – Arlington, VA		
Business Hours	National Pollution Funds Center	703-872-6000
24 hour	NPFC Command Duty Officer	202-494-9118
Business Hours	Team 1 (includes IA and NE)	703-872-6067
Business Hours	Team 3 (includes SD)	703-872-6073
Business Hours	Team 4 (includes MN)	703-872-6088
Fax	National Pollution Funds Center	703-872-6900
Missouri Department of Natural Resources – Jefferson City, MO		
Coordinating Agency	Missouri Department of Natural Resources	573-526-3315
24 hour	Missouri Department of Natural Resources	573-634-2436
Email	Rick Gann	rick.gann@dnr.mo.gov
Fax	Missouri Department of Natural Resources	573-526-5101
Kansas Department of Health and Environment – Topeka, KS		
Coordinating Agency	Kansas Department of Health and Environment	785-296-1679
24 hour	Kansas Department of Health and Environment	785-296-1679
Email	April Dixon	adixon@kdheks.gov
State EMA	Kansas Division of Emergency Management	800-905-7521
Fax	Kansas Department of Health and Environment	785-296-8464

APPENDIX F: LOCAL EMERGENCY MANAGEMENT AGENCY CONTACTS

TABLE F5: LOCAL EMERGENCY MANAGEMENT AGENCY CONTACTS

Agency	Emergency Manager	Mobile	Office Number	Alternate	Email	Fax Number
Iowa – Local Emergency Management Agencies						
Buena Vista County	Aimee Barritt	712-299-4114	712-749-2705	712-749-2525	aimee.barritt@bvema.com	712-732-3397
Cherokee County	Justin Pritts	712-261-6721	712-225-6721	712-225-6728	ccema@co.cherokee.ia.us	712-225-6733
Clay County	Eric Tigges	712-260-2216	712-264-3987	712-262-2151	etigges@co.clay.ia.us	712-262-5793
Dickinson County	Michael Ehret	712-320-0151	712-336-3987	712-336-2525	mehret@co.dickinson.ia.us	712-336-1850
Harrison County	Larry Oliver	712-269-2244	712-644-2353	712-644-2353	hcema@harrisoncountyia.org	712-644-3711
Ida County	Ed Sohm	712-371-2467	712-364-2533	712-364-3146	idaemes@pionet.net	712-364-2746
Lyon County	Arden Kopischke	712-400-9700	712-472-8330	712-472-2521	lyonema@lyoncountyiowa.com	712-472-2303
Monona County	Randy Ross	712-420-2218	712-433-1294	712-433-9531	mocoema@longlines.com	712-433-9595
O'Brien County	Anne Koontz	712-260-2213	712-757-4305	712-757-3415	obcema@tcaexpress.net	712-757-8305
Osceola County	Dan Bechler	712-754-2381	712-461-0154	712-754-2556	dbechler@osceolacoia.org	712-754-4688
Plymouth County	Gary Junge	712-540-1266	712-546-8101	712-546-8191	ema@co.plymouth.ia.us	712-546-8103
Pocahontas County	Interim Coordinator is the Pocahontas County Sheriff. See Appendix J for contact information.		712-335-3188	712-335-3308		712-335-4300
Sioux County	Nate Huizenga	712-441-6208	712-737-4010	712-737-3307	nateh@siouxcounty.org	712-737-3006
Woodbury County	Gary Brown	712-251-1038	712-876-2212	712-279-6960	wcdes@wiatel.net	712-876-2228
Minnesota – Local Emergency Management Agencies						
Lyon County	Tammy VanOverbeke	507-829-4475	507-929-6615	507-537-7666	TammyVanOverbeke@co.lyon.mn.us	507-537-7428
Jackson County	Jeff Johnson	507-840-2805	507-847-4774		Jeff.johnson@co.jackson.mn.us	507-847-2767
Nobles County	Joyce Jacobs	507-360-3351	507-295-5212	507- 372-2136	jjacobs@co.nobles.mn.us	507-372-8358
Pipestone County	Steve Ewing		507-825-6771	507-825-6700	steve.ewing@co.pipestone.mn.us	507-825-6774
Rock County	Kyle Oldre	507-920-8900	507-283-5065	507-283-5000	kyle.oldre@co.rock.mn.us	507-283-5078
Nebraska – Local Emergency Management Agencies						
Burt County	Terry Schroeder	402-870-1250		402-374-1348		
Cedar County	Kevin Garvin	402-640-4650	402-254-6862	402-254-6884	cedarem@hartel.net	402-254-2351
Dakota County	Deanna Beckman	402-750-1905	402-494-7555	402-494-7554	dbeckman@southsiouxcity.org	402-494-7567
Dixon County	Shea Scollard	402-755-5608	402-755-2255		dixonco_em@yahoo.com	
Knox County	Laura J. Hintz		402-288-5613	402-288-4261	knoxema@gpcom.net	402-288-5605
Omaha Tribe	Kenna Robinson Joseph Jackson	402-922-1144 402-922-2889	402-846-5374	402-837-5906	krobison@omahatribe.com jjackson@omahatribe.com	402-846-5620
Thurston County	Tom Perez	402-922-0534	402-385-6070	402-385-3018	tcemgt@msn.com	402-385-2437
Wayne County	Nicholas Kemnitz	402-375-2626	402-833-5190	402-375-2626	wayne_em@abbnebraska.com	402-833-5190

TABLE F5: LOCAL EMERGENCY MANAGEMENT AGENCY CONTACTS

Agency	Emergency Manager	Mobile	Office Number	Alternate	Email	Fax Number
South Dakota – Local Emergency Management Agencies						
Clay County	Layne Stewart	605-677-9812	605-677-7185	605-677-7100	lstewart@claycountyoem.org	605-677-7105
Lincoln County	Harold Timmerman	605-321-0220	605-764-5746	605-764-2664	emergencyman@lincolncountysd.org	605-764-6622
Minnehaha County	Lynn DeYoung	605-360-2240	605-367-4290	605-367-7218	ldeyoung@minnehahacounty.org	605-367-4345
Union County	Raymond Roggow	605-670-0139	605-356-2351	605-356-2679	rroggow@iw.net	605-356-2348
Yankton County	Paul Scherschligt	605-661-4289	605-668-5289	605-668-5218	yktncoem@iw.net	605-668-5261

APPENDIX G: NATURAL RESOURCE TRUSTEE CONTACTS

TABLE G6: STATE AND FEDERAL NATURAL RESOURCE TRUSTEES

Federal Natural Resource Trustee - U.S. Department of the Interior		
24 hour	DOI Regional Environmental Officer - Denver Region (IA, NE, and SD)	303-478-3373
Email	Robert F. Stewart	robert_f_stewart@ios.doi.gov
24 hour	DOI Regional Environmental Officer - Philadelphia Region (MN)	215-266-5155
Email	Lindy Nelson	lindy_nelson@ios.doi.gov
Agency	DOI Regional Environmental Officer - Philadelphia Region (includes MN)	215-597-5012
Agency	DOI Regional Environmental Officer - Denver Region (includes IA, NE, and SD)	303-445-2500
24 hour	USFWS Midwest Regional Office, Region 3 (includes MN and IA)	612-702-9581
24 hour	USFWS Minnesota/Wisconsin Field Office (includes MN)	612-600-6772
Agency	USFWS Rock Island Field Office (includes IA)	309-757-8800, x206
Agency	USFWS, Mountain-Prairie Region Regional Office, Region 6 (includes SD and NE)	303-236-4261
24 hour	USFWS Nebraska Field Office (includes NE)	308-379-6592
24 hour	USFWS South Dakota Field Office (includes SD)	605-222-2994
24 hour	NPS Midwest Regional Office (includes all four States)	402-514-7015
Agency	NPS Missouri National Recreational River (NE)	605-665-0209
Agency	NPS Pipestone National Monument (MN)	507-825-5464
Other	USFWS Midwest Regional Office, Region 3 (MN and IA)	612-713-5350
Other	USFWS, Mountain-Prairie Regional Office, Region 6 (SD and NE)	303-236-7905
Tribal Trustee		
Tribal	Omaha Tribe of Nebraska	402-837-5906
Tribal	Winnebago Tribe of Nebraska	402-878-4060 / 712-259-2835
Iowa Natural Resource Trustee		
Agency	Iowa Department of Natural Resources	515-281-8694
24 hour	Iowa Department of Natural Resources	515-281-8694
Email	Adam Broughton	adam.broughton@dnr.iowa.gov
Fax	Iowa Department of Natural Resources	515-725-0218
Local Office	Field Office # 3 (Northwest IA)	712-262-4177
Local Office	Field Office # 4 (Monona & Harrison Counties)	712-243-1934
Other	Homeland Security and Emergency Management Department 24-hour Numbers	515-725-3231 or 515-979-2200
Minnesota Natural Resource Trustees		
Agency	Minnesota Pollution Control Agency	651-757-2160
Agency	Minnesota Department of Natural Resources	651-296-6157
24 hour	Homeland Security and Emergency Management	651-649-5451 (outside MN) 1-800-422-0798 (inside MN)
Email	Dave Morrison	david.morrison@state.mn.us
Fax	Minnesota Pollution Control Agency	651-297-8321

TABLE G6: STATE AND FEDERAL NATURAL RESOURCE TRUSTEES

Nebraska Natural Resource Trustee		
Agency	Nebraska Department of Environmental Quality	402-471-2186
24 hour	Nebraska State Patrol Dispatch	402-471-4545
Email	Kirk Morrow	kirk.morrow@nebraska.gov
Fax	Nebraska Department of Environmental Quality	402-471-2909
Local Office	Northeast Field Office (Norfolk, NE)	402-370-4424/4425/4427
Other	Nebraska Emergency Management Agency	402-471-7421 or 651-649-5451
Other	Nebraska Game and Parks Commission	402-471-1111
South Dakota Natural Resource Trustee		
Agency	South Dakota Dept. of Environment and Natural Resources	605-773-5559
24 hour	South Dakota Dept. of Environment and Natural Resources	605-773-3231
Email	Steve Pirner	Steve.pirner@state.sd.us
Fax	South Dakota Dept. of Environment and Natural Resources	605-773-6035
Local Office	Sioux Falls Office	605-362-3500
Local Office	Vermillion Office	605-677-5227
Other	South Dakota Office of Emergency Management	605-773-3231

APPENDIX H: SIOUXLAND SUB-AREA FIRE DEPARTMENTS

TABLE H7: SIOUXLAND SUB-AREA FIRE DEPARTMENTS – IOWA

Buena Vista County		Cherokee County		Clay County	
Albert City FD Pat Cronen	712-299-5946	Cherokee F&R Gary Chase	712-225-3906	Everly F&R Lefty Ginger	712-834-2555
Alta F&R David Schmitz	712-209-5146	Cleghorn F&R Daniel Pingel	712-436-2211	Fostoria F&R Aaron Rutter	712-262-8930
Marathon FD Jerry Abbas	712-289-4402	Larrabee F&R Jeff Friedreichsen	712-437-2400	Greenville F&R Donna Koch	712-262-2162
Newell FD Bruce Erie	712-272-4238	Marcus F&R Dennis Brady	712-376-2700	Lake Park FD Brandon Ehret	712-832-3497
Rembrandt F&R Jay Sassman	712-286-6202	Meriden F&R Gerald Kintigh	712-443-8840	Peterson FD Johnathon Winterboer	712-295-5666
Sioux Rapids FD Scott Scheiber	712-260-4326	Quimby F&R Donald Fiser	712-445-2521	Royal FD Matt Goyette	712-933-2378
Storm Lake FD Mike Jones	712-732-8024	Washta F&R Jim DeWitt	712-447-6138	Spencer F&R Doug Duncan	712-580-7240
Aurelia F&R Deloy Bruce	712-434-2185	Dickens F&R Randy Whalen	712-836-2247	Webb F&R Tim Sylvester	712-838-4345
24/7 Number (Fire Dispatch):	**712-749-2525**	**24/7 Number (Fire Dispatch):**	**712-225-6728**	**24/7 Number (Fire Dispatch):**	**712-262-2151**

Dickinson County		Harrison County			
Arnolds Park/Okoboji F&R Chris Yungbluth	712-332-5260	Missouri Valley F&R Johnnie Walker	712-642-2945	Modale F&R	712-645-2826
Milford F&R Jim Carpenter	712-338-4889	Dunlap F&R Pat Cogdill	712-643-5721	Mondamin F&R Norman Wallis	712-646-2919
Spirit Lake/Orleans FD Dave Kollasch	712-336-1546	Little Sioux FD Tim Collison	712-649-2003	Persia F&R Mark Carrigan	712-488-3275
Superior F&R Mel Wernimont	712-336-0877	Logan F&R Craig Charbonneau	712-644-2579	Pisgah F&R Gail Hatcher	712-456-2081
Terril FD Tim Matthews	712-853-6227	Magnolia F&R	712-642-2755	Woodbine F&R	712-647-2550
West Okoboji/Wahpeton FD Jim Carpenter	712-336-2525	**24/7 Number (Fire Dispatch):**	**712-644-2353**		
24/7 Number (Fire Dispatch):	**712-336-2525**				

Table H7: SIOUXLAND SUB-AREA FIRE DEPARTMENTS – IOWA

Ida County		Lyon County		Monona County	
Battle Creek F&R Deron Schmidt	712-210-2536	Inwood FD Mike Knobloch	712-753-2208	Blencoe Fire	712-452-2005
Galva F&R Randy Vogt	712-210-0511	Larchwood FD Leonard VandenBosch	712-477-2958	Jordan-Soldier Fire Warren Jensen	712-884-2200
Holstein F&R Rex Reisdorph	712-229-7878	Lester FD Dan Aeschliman	712-472-2521	Moorhead F&R Randi Pape	712-886-5511
Ida Grove FD Devlan Whiteing	712-369-1095	Little Rock Fire and EMS Arden Kopischke	712-479-2853	Onawa Fire Jeff Sander	712-433-1738
24/7 Number (Fire Dispatch):	**712-364-3146**	Rock Rapids FD Chris Bixenman	712-472-3651	Soldier F&R Rod Baragar	712-884-2200
		24/7 Number (Fire Dispatch):	**712-472-2521**	Ute F&R Bryce Meeves	712-885-2237
				Whiting F&R Tracy Bell	712-455-2248
				24/7 Number (Fire Dispatch):	**712-433-9531**

O'Brien County		Osceola County		Plymouth County	
Archer Volunteer FD	712-723-5310	Ashton FD Robert Imhoff	712-724-6167	Hinton FD Chad Beck	712-947-4111
Calumet Volunteer FD	712-446-2490	May City FD	712-735-4144	Kingsley FD Scott Bohle	712-947-4040
Hartley Volunteer F&R	712-928-3062	Ocheyedan FD Dan Hartwig	712-758-3434	Merrill FD Bill Merchant	712-938-2168
City of Paullina FD	712-949-3410	Sibley FD Ken Huls	712-754-2541	Oyens F&R Steve Bolton	712-786-1173
Gaza FD	712-757-3415	**24/7 Number (Fire Dispatch):**	**712-754-2556**	Remsen Fire Doug Owens	712-786-2441
Primghar FD	712-957-2435			Le Mars Fire Rescue David Schipper	712-546-4023
Sanborn Fire Company	712-930-3842			**24/7 Number (Fire Dispatch):**	**712-546-8191**
Sheldon Fire Company	712-324-2225				
Sutherland Fire Rescue & Ambulance	712-446-2243				
24/7 Number (Fire Dispatch):	**712-757-3415**				

Table H7: SIOUXLAND SUB-AREA FIRE DEPARTMENTS – IOWA

Pocahontas County		Sioux County			
Fonda Fire John Kelly	712-288-4466	Alton Fire Frank Van Es	712-756-4314	Boyden F&R Kevin Van Roekel	712-725-2218
Havelock Fire Courtney Hoover	712-776-2249	Granville F&R Gregg Penning	712-727-3385	Ireton F&R Wayne Heuer	712-278-2477
Laurens F&R Pat Murray - Fire	712-841-2676	Hawarden Fire Jon Strong	712-551-2565	Orange City Fire Dennis Vandel Wel	712-737-4247
Palmer F&R Robert Anderson	712-359-2296	Hospers F&R John Schwartz	712-752-8700	Rock Valley Fire John Wallenburg	712-476-5625
Plover Fire Steve Westerman	712-857-3446	Hull F&R Mike Van Es	712-439-1525	Sioux Center Fire Dave Van Holland	712-722-3931
Pocahontas Fire Jeff Shearer	712-335-3290	Maurice F&R Jeff Vore	712-567-3221		
Rolfe Fire Glenn Munson	712-848-3863	**24/7 Number (Fire Dispatch):**	**712-737-3307**		
Varina Fire Steve Halder	712-288-5327				
24/7 Number (Fire Dispatch):	**712-335-3308**				

Woodbury County					
Anthon F&R Ryan Baldwin	712-373-5617	Hornick F&R Robert Nelson	712-874-3374	Salix F&R Justin Iverson	712-946-5444
Bronson F&R Jamie Amick	712-948-3535	Lawton F&R John Eblen	712-944-5214	Sergeant Bluff F&R Anthony Gaul	712-943-1542
Correctionville Fire Jeff Hill	712-372-4791	Moville Fire Jerry Sailors	712-873-3456	Sioux City Fire & Rescue Tom Everett	712-279-6314
Cushing F&R Jerry Wittrock	712-384-2211	Oto Fire Terry Swenger	712-827-4400	Sioux City HazMat Team Jim Clark	712-279-6314 712-279-6022
Danbury F&R Brian Platz	712-883-2565	Pierson F&R Max Dunnington	712-375-5402	Sloan Fire Lee Blanchard	712-428-4409
Smithland F&R Eric Frahm	712-889-2808	**24/7 Number (Fire Dispatch):**	**712-279-6959**		

TABLE H8: SIOUXLAND SUB-AREA FIRE DEPARTMENTS – MINNESOTA

Lyon County		Jackson County		Nobles County	
Cottonwood FD	507-423-6488	Alpha FD	507-847-3557	Adrian FD Ray Bullerman	507-483-2849
Alexandre Bitton Garvin FD	507-746-4592	Heron Lake FD	507-793-2381	Bigelow FD Paul Hohensee	507-683-2441
Ghent Volunteer FD	507-428-3214	Jackson FD	507-847-3121	Brewster F&R John Garmer	507-842-5936
Lynd FD	507-865-4514	Lakefield FD	507-662-5652	Ellsworth FD	507-967-2351
Marshall FD	507-532-5141	**24/7 Number (Fire Dispatch):**	507-847-4420	Lismore Fire & Rescue Jim Weidert	507-472-8779
Minnesota Volunteer FD	507-872-6770			Wilmont FD Steve Joens	507-926-5235
Tracy FD	507-629-5544			Worthington FD Rick vonHoldt	507-376-5757
24/7 Number (Fire Dispatch):	507-532-3258			**24/7 Number (Fire Dispatch):**	**507-372-2136**

Pipestone County		Rock County	
Edgerton FD Huck Tinklenberg	507-631-7551	Beaver Creek Jason Rauk	507-673-2266
Holland FD Chris Lingen	507-825-6700	Hardwick FD	507-669-6635
Pipestone's Volunteer FD Mark Otter	507-825-2406	Hills FD Jeff Bass	507-962-3245
Ruthton Volunteer FD Darren Haroldson	507-658-3902	Jasper FD Jeff Leslie	507-283-5000
24/7 Number (Fire Dispatch):	**507-825-6700**	Kenneth FD	507-283-4250
		Luverne FD Dan Nath	507-449-5039
		Magnolia FD	507-283-5000
		Steen FD	507-283-5000
		24/7 Number (Fire Dispatch):	**507-283-5000**

TABLE H9: SIOUXLAND SUB-AREA FIRE DEPARTMENTS – NEBRASKA

Burt County		Cedar County		Dakota County	
Craig Fire District	402-377-2643	Belden Rural FD Jerry Gross	402-985-2200	Dakota City/Covington FD	402-987-3326
Decatur Rural Volunteer FD	402-349-5168	Coleridge Volunteer FD George R. Hefner	402-283-4333	Emerson Volunteer FD	402-695-2431
Lyons Volunteer FD	402-687-2323	Fordyce Volunteer FD Marlen Schieffer	402- 357-3386	Homer Volunteer F& R	402-698-2342
Oakland Volunteer FD	402-685-5480	Hartington City Volunteer FD Randy Kathol	402-254-7209	S Sioux City Volunteer FD	402-494-7508
Tekamah F&R Association	402-374-1444 402-374-2834	Laurel Rural FD Craig Bathke	402-254-6884	Trumbull Rural Volunteer FD	402-743-2311
24/7 Number (Fire Dispatch):	**402-374-2900**	Magnet Volunteer FD Tim Dawson	402-586-2235	**24/7 Number (Fire Dispatch):**	**402-494-7555**
		Randolph Volunteer FD Paul Leiting	402-337-0370		
		Wynot FD Jay Heimes	402-357-2401		
		24/7 Number (Fire Dispatch):	**402-254-6884**		

Dixon County		Knox County		Thurston County	
Allen-Waterbury F&R	402-635-2141	Bloomfield Volunteer FD	402-373-2925	Pender Volunteer F&R Terry Mailloux	402-385-2525
Concord Rural Fire District Village of Concord	402-584-2327	Crofton Volunteer FD	402-388-4635	Walthill F&R Mark English	402-846-5568
Dixon F&R	402-584-2245	Verdigre Volunteer FD	402-668-2824	Rosalie F&R Marlon Henning	402-863-2272
Martinsburg FD	402-945-2421	Wausa Volunteer FD	402-586-2272	Thurston Volunteer F&R Ray Sanderson	402-385-2211
Newcastle Volunteer F&R	402-755-5608	**24/7 Number (Fire Dispatch):**	**402-288-4261**	Winnebago Volunteer FD	702-878-2505 402-922-1580
Ponca Volunteer F&R	402-755-2781			**24/7 Number (Fire Dispatch):**	**402-385-3018**
Wakefield Volunteer F&R	402-287-2574				
24/7 Number (Fire Dispatch):	**402-755-5608**				

TABLE H10: SIOUXLAND SUB-AREA FIRE DEPARTMENTS – SOUTH DAKOTA

Clay County	
Irene Volunteer FD Daron Schenk	605-263-3200
Vermillion Fire & EMS Richard Draper	605-677-7097
Wakonda Fire & Rescue Mike Pollman	605-267-2768
24/7 Number (Fire Dispatch):	**605-677-7070**

Union County	
North Sioux City FD Bill Pappas	605-232-4286
Alcester Volunteer FD Todd Hughes	605-934-2720
Beresford Volunteer FD Tarzan Mullinix	605-763-2100
Elk Point Fire Protection Dist. Don Klunder	605-356-3196
Jefferson Volunteer FD William Mckelvey	605-966-5858
24/7 Number (Fire Dispatch):	**605-356-2679**

Lincoln County	
Beresford F&R Tarz Mullinix	605-763-2100
Canton FD Brian Severson	605-764-5126
Fairview Fire Bernie Lange	
Harrisburg FD Bill Fink	605-743-5700
Hudson Volunteer FD, Jeff Cole	605-984-2224
Lennox Volunteer FD Earl Fischer	605-647-2464
Tea Volunteer FD Grant VanRiesen	605-498-2470
Worthing Community FD George Wallenstein	605-372-4151
24/7 Number (Fire Dispatch):	**605-764-2664**

Yankton County	
Yankton FD Tom Kurtenbach	605-668-5228 605-668-5210
Lesterville Fire & Rescue Paul Scherschlight	605-364-7522
Volin FD Corey Logan	605-267-2511
Gayville Community FD Gary Jepsen	605-267-4443
24/7 Number (Fire Dispatch):	**605-668-5218**

Minnehaha County	
Baltic Fire Mike Koopman	605-529-9505
Brandon Fire Robert J. Dykstra	605-582-3232
Colton FD LeRoy Koopman	605-446-3215
Crooks Fire Mike Harstad	605-543-5805
Dell Rapids Fire Douglas Geraets	605-428-5264
Garretson Fire Doug Nohava	605-594-3422
Hartford Fire Kelley Boysen	605-528-3511
Humboldt Fire & Ambulance Charles Jarding	605-363-3100
Lyons Fire Harold Boer	605-543-5596
Renner Fire, Mike Schmitz	605-338-3702
Sherman FD Neil Winterton	605-367-7218
Sioux Falls Fire Rescue Jim Sideras	605-367-8078
Split Rock Fire Monte Albertson	605-338-1263
Valley Springs Fire Donald Johnson	605-757-6555
24/7 Number (Fire Dispatch):	**605-367-7218**

APPENDIX I: SPECIALIZED TEAMS & SPILL RESPONSE SUPPORT

TABLE I11: SPECIALIZED RESPONSE TEAMS

Hazmat Teams	24/7 Number	Team Contact
Le Mars F&R Hazmat Team	712-546-8191	David Schipper, Chief 712-260-9114 712-546-4023 lemarsfc@frontier.com
Nebraska Hazardous Incident Team	402-370-3456	Paul Hattan, Captain, Troop B Commander paul.hattan@nebraska.gov
Sioux City F&R Hazmat Team	712-279-6960	Jim Clark, Hazmat Coordinator 712-279-6022 (office) 712-251-2629 (mobile) jimclark@sioux-city.org
Sioux Falls Fire Rescue Hazmat Team	605-367-7171 605-367-7389 605-367-7218	Steve Brunette, Hazmat Program Manager 605-367-7171 (office) 605-310-8778 (mobile) sbrunette@siouxfalls.org
Yankton FD HazMat	605-668-5210	Tom Kurtenbach, Chief 605-668-5228 (office) tkurtenbach@cityofyankton.org
Dive Teams and Rescue Teams	**24/7 Number**	**Team Contact**
Siouxland Dive Rescue	712-279-6960	Lorraine Groves (712-898-3499)
Marine Emergency Response Team *	712-279-6960	Doug Potts (712-253-2150)
Plymouth County Dive Team	712-546-8191	Mike Van Otterloo
Sioux County Dive Team	712-737-2280	Dan Altena
Yankton Area Search and Rescue	605-668-5210	Rich LaFrenz
Civil Support Teams	**24/7 Number**	**Location**
Iowa 71st Civil Support Team	515-201-8998 515-201-8997	Camp Dodge, IA (near Des Moines)
Nebraska 72nd Civil Support Team	402-309-7559	Lincoln, NE
Minnesota 55th Civil Support Team	651-649-5451 800-422-0798	St. Paul, MN
South Dakota 82nd Civil Support Team	605-737-6721 605-431-8753	Rapid City, SD

* Team established after Sioux City's U.S. Coast Guard Auxiliary disbanded. The team also shares some of the same members as Siouxland Dive Rescue.

TABLE I12: MISSOURI RIVER WATER RESPONSE

Agency	24/7 Number	Other Information
USACE – Gavins Point Dam	402-667-2520	Operations Manager 402-667-7873 Ext. 2510
		Power Plant Supervisor 402-667-7873 Ext. 2530
Lake and Dam Map: http://www.nwo.usace.army.mil/Portals/23/siteimages/recreation/LewisClark.pdf		
USACE – Omaha District Office	402-995-2417 402-996-3747	Public Affairs Missouri River Project Office
Omaha Dist. Stream Gage & Pool Elevation Plots: http://www.nwd-mr.usace.army.mil/rcc/plots/omaplot.html		
National Park Service – Yankton Headquarters	605-665-0209	Administration for the Missouri National Recreational River
Nebraska Game & Parks Commission – Ponca State Park	402-755-2284	http://www.outdoornebraska.ne.gov/parks/guides/parksearch/showpark.asp?Area_No=143
National Weather Service – Sioux Falls	605-330-4247	Todd Heitkamp 605-330-4244 Ext. 726 todd.heitkamp@noaa.gov
National Weather Service – Des Moines (includes Pocahontas County)	515-270-4516	Jeff Johnson 515-270-2614 Ext. 926 Jeff.johnson@noaa.gov
National Weather Service – Omaha (includes Knox, Cedar, Wayne, Thurston, Monona, and Harrison Counties)	402-359-2130 402-359-2875	Brian E. Smith 402-359-5166 Ext. 726 Brian.e.smith@noaa.gov

TABLE I13: STATE HIGHWAY/ROAD DEPARTMENTS

State Highway Departments	Primary Number	Contact
Iowa Dept. of Transportation (DOT)	515-233-7900	John Haas, Emergency Operations (515-239-1040)
Iowa DOT – District 3	800-284-4368	Todd Huju, Area Maintenance Manager (712-274-5825)
Minnesota DOT – District 7 Office	507-831-8000	Kieth Juliar, Safety Administrator (507-514-2502)
Nebraska Dept. of Roads – District 3	402-370-3470	Ray Brainstiter, District Operations Manager (402-750-7520) ray.branstiter@nebraska.gov
South Dakota DOT – Mitchell Region	605-995-8129	Craig Smith, Region Engineer craig.smith@state.sd.us

APPENDIX J: LAW ENFORCEMENT AGENCIES

TABLE J14: STATE LAW ENFORCEMENT AGENCIES

Iowa State Patrol (ISP)	24 Hour Phone
ISP Dispatch Center	800-525-5555
ISP Headquarters	515-725-6090
ISP Communications Center (Storm Lake)	712-732-1341
ISP District 4 (Includes Harrison, Ida, Monona, and Woodbury Counties)	712-263-4621
ISP District 6 (Includes Buena Vista, Cherokee, Clay, Dickinson, Lyon, Osceola, O'Brien, Plymouth, and Sioux Counties)	712-262-1424
ISP District 7 (Includes Pocahontas County)	515-972-4213
Minnesota State Patrol (MSP)	**24 Hour Phone**
MSP District 2300 (Includes Lyon, Jackson, Nobles, Pipestone, and Rock Counties)	507-537-3648
MSP District 2300 Regional Communications Center	507-285-7410
Nebraska State Patrol (NSP)	**24 Hour Phone**
NSP State Dispatch	402-471-4545
NSP Troop B Headquarters and Communications Center	402-370-3456
South Dakota State Highway Patrol (SDSHP)	**24 Hour Phone**
SDSHP District 2 (Sioux Falls)	605-367-5700
SDSHP State Dispatch Center	605-773-3105

TABLE J15: COUNTY SHERIFFS AND TRIBAL POLICE

Iowa Counties & Sheriffs	24 Hour Phone	Admin Phone
Buena Vista County, Gary Launderville	712-749-2525	712-749-2530
Cherokee County, Dave Scott	712-225-6728	712-225-6737
Clay County, Randy Krukow	712-262-2151	712-262-3221
Dickinson County, Greg Baloun	712-336-2525	712-336-2793
Harrison County, Patrick Sears	712-644-2244	877-644-2299
Ida County, Wade Harriman	712-364-3146	712-364-3146
Lyon County, Stewart Vander Stoep	712-472-2521	712-472-8300
Monona County, Jeffrey R. Pratt	712-423-1414	712-433-1414
O'Brien County, Michael Anderson	712-757-3415	712-957-3415
Osceola County, Doug Weber	712-754-2556	712-754-2556
Plymouth County, Mike Van Otterloo	712-546-8191	712-546-8191
Pocahontas County, Robert Lampe	712-335-3308	712-335-3308
Sioux County, Dan Altena	712-737-2280	712-737-2280
Woodbury County, Dave Drew	712-279-6510	712-279-6010
Minnesota Counties & Sheriffs	**24 Hour Phone**	**Admin Phone**
Lyon County, Mark Mather	507-537-7666	507-537-7666
Jackson County, Roger Hawkinson	507-847-4420	507-847-4420
Nobles County, Ken Wilkening	507-372-2136	507-295-5400
Pipestone County, Dan Delaney	507-825-6700	507-825-6700
Rock County, Evan Verbrugg	507-283-5000	507-283-5000
Nebraska Counties, Sheriffs, & Tribal Police	**24 Hour Phone**	**Admin Phone**
Burt County, Robert Pickell	402-374-2900	402-374-2900
Cedar County, Larry Koranda	402-254-6451	402-254-6884
Dakota County, Chris Kleinberg	402-494-7555	402-494-7555
Dixon County, Dean Chase	402-755-5608	402-755-2255
Thurston County, Shelly Perez	402-385-3018	402-385-3018
Omaha Tribe Police, Edward A. Tyndall	402-837-5906	402-837-5907
Wayne County, LeRoy Janssen	402-375-2626	402-375-1911
Winnebago Tribe of Nebraska	402-878-2245	402-878-2245

TABLE J15: COUNTY SHERIFFS AND TRIBAL POLICE

South Dakota Counties & Sheriffs	24 Hour Phone	Admin Phone
Clay County, Andy Howe	605-677-7100	605-677-7100
Lincoln County, Dennis Johnson	605-764-2664	605-764-5651
Minnehaha County, Mike Milstead	605-367-7218	605-367-7136
Union County, Dan Limoges	605-356-2679	605-356-2679
Yankton County, Jim Vlahakis	605-668-5218	605-668-3567

APPENDIX K: HOSPITALS AND AIR AMBULANCE SERVICE PROVIDERS

TABLE K16: HOSPITALS IN THE SIOUXLAND SUB-AREA

Iowa Hospitals	Telephone	County
Buena Vista Regional Medical Center 1525 W. 5th Street Storm Lake, IA 50588	712-732-4030	Buena Vista
Cherokee Regional Medical Center 300 Sioux Valley Drive Cherokee, IA 51012	712-225-5101	Cherokee
Spencer Hospital 1200 First Ave Spencer, IA 51301	712-264-6111	Clay
Lakes Regional Healthcare 2301 U.S. 71 Spirit Lake, IA 51360	712-336-1230	Dickinson
Alegent Creighton Health Community Memorial Hospital 631 North 8th Street Missouri Valley, IA 51555	712-642-2784 or 402-426-2182	Harrison
Horn Memorial Hospital 701 E 2nd Street Ida Grove, IA 51445	(712) 364-3311	Ida
Sanford Medical Center Rock Rapids 301 South Greene Street Rock Rapids, IA 51246	712-472-2591	Lyon
Burgess Health Center 1600 Diamond Street Onawa, IA 51040	712-423-2311	Monona
Baum Hamon Mercy Hospitals 255 N. Welch Ave Primghar, IA 51245	712-957-2300	O'Brien
Osceola Community Hospital 600 9th Ave Sibley, IA 51249	712-754-2574	Osceola
Floyd Valley Hospital 714 Lincoln Street NE LeMars, IA 51031	712-546-7871	Plymouth
Pocahontas Community Hospital 606 NW 7th Street Pocahontas, IA 50574	712-335-3501	Pocahontas
Sioux Center Community Hospital & Health Center 605 South Main Sioux Center, IA 51250	712-722-1271	Sioux
Hawarden Regional Healthcare 1111 Eleventh Street Hawarden, IA 51023	712-551-3100	Sioux

TABLE K16: HOSPITALS IN THE SIOUXLAND SUB-AREA

Iowa Hospitals	Telephone	County
Hegg Memorial Hospital/Avera Health 1202 21st Avenue Rock Valley, IA 51247	712-476-8000	Sioux
Orange City Municipal Hospital 1000 Lincoln Circle Southeast Orange City, IA 51041	712-737-4984	Sioux
Sioux Center Community Hospital 605 South Main Avenue Sioux Center, IA 51250	712-722-1271	Sioux
Mercy Medical Center 801 5th Street Sioux City, IA 51101	712-279-2010	Woodbury
Unity Point Health - St. Luke's 2720 Stone Park Boulevard Sioux City, IA 51104	712-279-3500	Woodbury
Minnesota Hospitals	**Telephone**	**County**
Avera Marshall Regional Medical Center 300 S Bruce Street Marshall, MN 56258	507-532-9661	Lyon
Sanford Tracy Medical Center 249 5th Street E Tracy, MN 56175	507-629-3520	Lyon
Sanford Jackson Medical Center 1430 N Highway Jackson, MN 56143	507-847-2420	Jackson
Sanford Worthington Medical Center 1018 Sixth Avenue Worthington, MN 56187	507-372-2941	Nobles
Pipestone County Medical Center 916 4th Ave SW Pipestone, MN 56164	507-825-5811	Pipestone
Sanford Hospital Luverne 1600 N Kniss Ave Luverne, MN 56156	507-283-2321	Rock
Nebraska Hospitals	**Telephone**	**County**
Pender Community Hospital 603 Earl Street Pender, NE 68047	402-385-3083	Thurston
Winnebago Hospital US Highway 75 & US Highway 77 Winnebago, NE 68071	402-878-2231	Thurston
Oakland Mercy Hospital 601 E 2nd St Oakland, NE 68045	402-685-5601	Burt

TABLE K16: HOSPITALS IN THE SIOUXLAND SUB-AREA

Iowa Hospitals	Telephone	County
Avera Creighton Hospital 1503 Main Street Creighton ,NE 68729	402-358-5700	Knox
South Dakota Hospitals	**Telephone**	**County**
Avera McKennan Hospital 1325 S Cliff Avenue Sioux Falls, SD 57117	605-322-8000	Minnehaha
Sioux Valley County Hospital 900 E 48th St N Sioux Falls, SD 57104	605-339-8906	Minnehaha
Sanford Medical Center Vermillion 20 S. Plum Vermillion, SD 57069	605-624-2611	Clay
Avera Sacred Heart Hospital 501 Summit Street Yankton, SD 57078	605-668-8000	Yankton
Sanford Canton-Inwood Medical Center 440 N Hiawatha Drive Canton, SD 57013	605-764-1400	Lincoln

TABLE K17: AIR AMBULANCE PROVIDERS IN/NEAR THE SIOUXLAND SUB-AREA

Air Ambulances/Medevac Provider	Telephone	City/State
Mercy Air Care	1-800-367-9469	Sioux City, Iowa
North Air Care	1-800-247-0229	Marshall, Minnesota
Life Net, Fremont Area Medical Center	1-888-481-7040	Fremont, NE
Life Net, Faith Regional Health Center	1-888-481-7040	Norfolk, NE
Life Net, The Nebraska Medical Center	1-888-481-7040	Omaha, NE
Lifenet, Childrens Hospital	1-888-592-7955	Omaha, NE
Avera McKennan Careflight	1-605-322-2071	Sioux Falls, SD
Sanford Air, Sanford USD Med Center	1-605-328-2190	Sioux Falls, SD

APPENDIX L: AIR SUPPORT AND AIRPORTS

TABLE L18: PUBLIC AIR SUPPORT

Organization	24 Hour Telephone	Contact
Iowa Highway Patrol	515-323-4360	Division of Communications
Iowa Department of Transportation	515-233-7900	Statewide Emergency Operations
Nebraska State Patrol	402-471-4545	State Dispatcher
Nebraska Civil Air Patrol	888-211-1812 Ext. 300 402-309-7665	Patrol Administration

TABLE L19: COMMERCIAL & GENERAL AVIATION AIRPORTS IN THE SIOUXLAND SUB-AREA

Iowa Airports	Runways	Telephone	Location
Sioux Gateway, Sioux City (SUX)	9002 Feet Concrete 6600 Feet Asphalt	712-279-6165	Lat: 42.24 Long: 96.23 Elevation 1098’
Le Mars Municipal Airport, Le Mars (LRJ)	4600 Feet Concrete	712-546-1732	Lat: 42.46.6 Long: 9611.6 Elevation 1196’
Cherokee County Regional Airport, Cherokee (CKP)	3801 Feet Concrete 2645 Feet Turf	712-225-2810	Lat: 42.43.52.967 Long: 95.33.22.291 Elevation: 1219’
Orange City Municipal Airport, Orange City (ORC)	4250 Feet Concrete	712-737-6412	Lat: 42.59.20.059 Long: 96.3.45.035 Elevation: 1414’
Pocahontas Municipal Airport, Pocahontas (POH)	4100 Feet Concrete 1998 Feet Turf	712-335-4677	Lat: 42.44.35.626 Long: 94.38.49.213 Elevation: 1224’
Sheldon Municipal Airport, Sheldon (SHL)	4199 Feet Concrete	712-324-4005	Lat: 43.12.30.183 Long: 95.50.0.337 Elevation: 1419’
Spencer Municipal Airport, Spencer (SPW)	6000 Feet Concrete 5100 Feet Concrete	712-262-7734	Lat 43.9.56.332 Long 95.12.9.919 Elevation: 1339’
Storm Lake Municipal Airport, Storm Lake	5000 Feet Concrete 3035 Concrete 1855 Feet Turf	712-732-6494	Lat: 42.35.50.755 Long: 95.14.25.865 Elevation: 1488’
Ida Grove Municipal Airport, Ida Grove (IDG)	3172 Feet Asphalt	712-364-2428	Lat: 42.19.57.323 Long: 95.26.41.672 Elevation: 1245’
Sibley Municipal Airport, Sibley (ISB)	3000 Feet Concrete	712-754-3467	Lat: 43.22.9.716 Long: 95.45.34.666 Elevation 1537’

TABLE L19: COMMERCIAL & GENERAL AVIATION AIRPORTS IN THE SIOUXLAND SUB-AREA

Iowa Airports	Runways	Telephone	Location
Sioux Center Municipal Airport, Sioux Center	3802 Feet Concrete	712-722-2293	Lat: 43.8.3.969 Long: 96.11.15.042 Elevation 1448’
Rock Rapids Municipal Airport, Rock Rapids (RRQ)	3097 Feet Asphalt	712-472-2553	Lat: 43.27.8.043 Long: 96-10-47.273 Elevation 1363’
Mapleton Municipal Airport, Mapleton (MEY)	2801 Feet Concrete	712-881-2764	Lat: 42.10.41.934 Long: 95.47.37.184 Elevation 1116’
Onawa Municipal Airport, Onawa (K36)	3400 Feet Concrete	712-433-1181	Lat: 42.00.17.034 Long: 96.6.14.552 Elevation 1047’
Woodbine Municipal Airport, Woodbine (3Y4)	2045 Feet Turf	712-647-2443	Lat: 41.44.9.113 Long: 95.41.1.785 Elevation 1068’
Primghar Municipal Airport, Primghar (2Y0)	1985 Feet Turf	712-957-2435	Lat: 43.4.42.509 Long: 95.36.51.823 Elevation 1481’
Paullina Municipal Airport, Paullina (1Y9)	2800 Feet Asphalt	712-448-2522	Lat: 42.59.16.487 Long: 95.39.52.088 Elevation 1385’
Spirit Lake Municipal Airport, Spirit Lake (0F3)	3015 Feet Asphalt	712-332-7323	Lat: 43.23.14.946 Long: 95.8.22.140 Elevation: 1434’
Milford Municipal Airport - Fuller, Milford (4D8)	2873 Feet Asphalt 1990 Feet Turf	712-260-4335	Lat: 43.19.59.993 Long: 95.9.33.360 Elevation 1439
Iowa Department Of Transportation Airport Listing: Http://Www.Iowadot.Gov/Aviation/Airports/Municipal_List.Htm			
Nebraska Airports	**Runways**	**Telephone**	**Location**
Tekamah Municipal Airport, Tekamah (TQE)	4000 Feet Concrete	402-374-1755/2505	Lat: 42.06.49.44 Long: 96.43.43.32 Elevation: 1027’
Pender Municipal Airport, Pender (OC4)	3600 Feet Concrete	402-385-3229	Lat 41.45.81 Long 96.10.68 Elevation: 1335’
Martin Field, South Sioux City	3323 Feet Asphalt	402-494-3667 712-258-6722	Lat: 42.27.15 Long: 96.28.21 Elevation: 1100’
Hartington Municipal Airport, Hartington (OB4)	3950 Feet Concrete 2150 Feet Turf	402-254-7317	Lat: 42.28.25 Long: 97.53.02 Elevation: 1387’
Creighton Municipal Airport, Creighton (6K3)	3700 Feet Concrete 2100 Feet Turf	402-358-3343 402-358-5252	Lat: 42.36.21 Long: 97.15.16 Elevation: 1653’

TABLE L19: COMMERCIAL & GENERAL AVIATION AIRPORTS IN THE SIOUXLAND SUB-AREA

Nebraska Airports	Runways	Telephone	Location
Wayne Municipal Airport, Wayne (LCG)	4200 Feet Concrete 3407 Feet Concrete 2000 Feet Turf	402-375-1984	Lat: 42.14.51 Long: 96.58.89 Elevation: 1431'
Nebraska Department of Roads List of Public Use Airports: http://www.aero.nebraska.gov/CONTACTS.html			
Minnesota Airports	**Runways**	**Telephone**	**Location**
Southwest Minnesota Regional Airport – Marshall (Ryan Field) (MML)	7221 Feet Asphalt 3999 Feet Asphalt	507-537-6773 507-532-3164	Lat: 44.27.6.2277 Long: 95.49.27.9119 Elevation: 1183
Tracy Municipal Airport (TKC)	3100 Feet Asphalt 2590 Feet Turf 1825 Feet Turf	507-629-5545	Lat: 44.14.56.8110 Long: 95.36.26.1350 Elevation: 1340
Jackson Municipal Airport (MJQ)	3591 Feet Asphalt 2280 Feet Turf	507-847-3599	Lat: 43.39.00.5114 Long: 94.59.11.6644 Elevation: 1447
Worthington Municipal Airport, Worthington (OTG)	5500 Feet Asphalt 4200 Feet Asphalt	537-376-9293 507-360-9959	Lat: 43.39.18.200 Long: 095.34.45.100 Elevation: 1574
Pipestone Municipal Airport, Pipestone (PQN)	4306 Feet Asphalt 2522 Feet Turf	507-562-2473	Lat: 43.58.55.6743 Long: 096.18.01.4680 Elevation: 1737
Minnesota Department of Transportation Airport Directory: Http://Www.Dot.State.Mn.Us/Aero/Airportdirectory/Index.Html			
South Dakota Airports	**Runways**	**Telephone**	**Location**
Sioux Falls Regional Airport (FSD)	8999 Feet Concrete 8000 Feet Concrete 3151 Feet Concrete	605-336-0762	Lat: 43.34.53 Long: 96.44.29 Elevation: 1,430
Harold Davison Field Vermillion (VMR)	4105 Feet Concrete	605-677-8159	Lat: 43.45.53 Long: 096.56.06 Elevation: 1145
Canton Municipal Airport, Canton (7G9)	3600 Feet Asphalt	605-987-9010 605-987-2100	Lat: 43.18.43 Long: 96.34.25 Elevation: 1289
Marv Skie-Lincoln County Airport, Tea (Y14)	3650 Feet Concrete	605-413-6673	Lat: 43.27.16 Long: 94.08 Elevation: 1515
Chan Gurney Municipal Airport, Yankton (YKN)	3380 Feet Asphalt 6095 Feet Concrete	605-665-1460	Lat: 45.01 Long: 92.11 Elevation: 398
South Dakota Department of Transportation Airport Directory: http://www.sddot.com/resources/Manuals/AirportDirectory.pdf			

APPENDIX M: PUBLIC INFORMATION SOURCES

TABLE M20: PUBLIC INFORMATION SOURCES – IOWA

Radio Station	Telephone	Fax	Other Contact Information
KGLI – 95.5 FM KMNS – 620 AM KWSL – 1470 AM KSFT – 107.1 FM KSEZ – 97.9 FM 1113 Nebraska St. Sioux City, IA 51105	712-258-3695 712-258-0628 712-255-1470 712-258-6740 712-258-6740	712-252-2430	Kelli Erickson, General Manager kelliierickson@clearchannel.com 712-258-5595
KWIT– 90.3 FM Western Iowa Tech 4647 Stone Ave. Sioux City, IA 51106	712-274-6406	712-274-6411	Duane Kraayenbrink, News Director Gretchen Gondek, General Manager
KSCJ – 1360 AM KSUX – 105.7 FM KOOL – 99.5 FM KKYY – Y 101.3 FM, Q102 FM 2000 Indian Hills Dr. Sioux City, IA 51105	712-239-2100	712-239-3346	Dennis Bullock, General Manager dbullock@powelliowa.com
KTFC – 103.9 FM KTFG –102.9 FM 1534 Buchanan Ave. Sioux City, IA 51106	712-252-4621	712-252-0327	Kim Cotter, General Manager kcotter@bottradionetwork.com
KMSC– 88.3 FM Morningside College 1501 Morningside Ave Sioux City, IA 51106	712-274-5331 712-274-5665	712-274-5664	Mark J. Heistad, Faculty Advisor heistad@morningside.edu kmsc@morningside.edu
KLEM 1410 AM PO Box 1410 37 2nd Ave NW Le Mars, IA 51031	712-546-4121	712-546-9672	Dennis Bullock, General Manager dbullock@powelliowa.com
KUOO – 103.9 FM KUQQ – 102.1 FM KJIA – 88.9 FM 3200 18th St. P.O. Box 528 Spirit Lake, IA 51360	712-336-5800 712-336-5800 712-332-2428	712-336-1634	Marty Spies, General Manager Web site: www.kuooradio.com
KICD – 107.7 FM KICD – 1240 AM KLLT– 104.9 FM 2600 Highway Blvd. P.O. Box 260 Spencer, IA 51301	12-262-1240	712-262-2076	Dave Putnam, General Manager dputnam@spencerradiogroup.com

TABLE M20: PUBLIC INFORMATION SOURCES – IOWA

Radio Station	Telephone	Fax	Other Contact Information
KSOU – 93.9 FM KSOU – 1090 AM KIHK–FM – 106.9 FM 128 20th St. S.E. P.O. Box 298 Sioux Center, IA 51250	712-722-1090	712-722-1102	Craig Aukes, General Manager caukes@siouxcountyradio.com
KDCR – 88.5 FM Dordt College 498 4th Ave. NE Sioux Center, IA 51250	712-722-0885		Denny De Waard, Station Manager Denny.Dewaard@dordt kdcr@dordt.edu
KIWA – 105.3 FM KIWA – 1550 AM 411 9th St. Sheldon, IA 51201	712-324-2597	712-324-2340	Walt Pruiksma, General Manager walt@kiwaradio.com
KAYL – 101.7 FM KAYL – 990 AM KKIA – 92.9 FM 910 Flindt Drive Storm Lake, IA 50588	712-732-3520	712-732-1746	Buzz Paterson, General Manager info@stormlakeradio.com
KCHE – 92.1 FM KCHE – 1440 AM 201 S. 5th Street P.O. Box 141 Cherokee, IA 51012	712-225-2511	712-225-2513	Jeff Fuller, General Manager kche1@ncn.net
Television Station	**Telephone**	**Fax**	**Other Contact Information**
KCAU – Channel 9, ABC 625 Douglas St. Sioux City, IA	712-277-2345	712-277-3733	General Manager John Curry 712-277-2345 Ext. 200 jcurry@kcautv.com
KMEG – Channel 14, CBS KPTH – Channel 44 FOX 100 Gold Circle Drive Dakota Dunes, SD 57049	712-277-3554	712-277-4298	Katelyn Knobbe, KMEG GM kknobbe@siouxlandnews.com Steve Scollard, KPTH GM sscollard@siouxlandnews.com
KTIV – Channel 4, NBC 3135 Floyd Blvd Sioux City, IA	712-239-4100 800-234-5848	712-239-3025	Bridget Breen Director of News & Operations bbreen@ktiv.com ktivnews@ktiv.com
Cable One 900 Steuben St. Sioux City, IA	712-233-2000	712-233-2235	Raymond Ness, General Manager www.cableone.net

TABLE M20: PUBLIC INFORMATION SOURCES – IOWA

Newspaper	Telephone	Fax	Other Contact Information
The Globe 1825 Jackson St. Sioux City 51105–1055	712-255-2550	712-255-4901	Joanne Fox, Managing Editor joannef@scdiocese.org
Sioux City Journal Siouxland Weekender Hispanos Unidos 515 Pavonia Street Sioux City, IA 51102	712-293-4202 712-293-4273 712-293-4209	712-279-5059	Chris Coates, Editor chris.coates@lee.net
Anthon Sioux Valley News PO Box 299 126 E. Main Anthon, IA 51004	712-373-5571	712-373-5389	Karen Newman, General Manager siouxvalleynews@ruralwaves.us
Danbury Review 209 Thomas Danbury, IA 51019	712-883-2001	712-883-2001	Michael Buth, Editor review@danbury-ia.com
Des Moines Register 400 Locust Street, # 500 Des Moines, IA 50309	800-532-1455 800-247-5346 (outside IA)	515-286-2504	Julie Harvey, General Manager 284-8226 jharvey@dmreg.com
Le Mars Daily Sentinel 41 1st Ave NE Le Mars, Iowa 51031	712-546-7031 800-728-0066	712-546-7035	Monte Jost, Senior General Manager mjost@lemarssentinel.com
Spencer Daily Reporter 310 East Milwaukee PO Box 197 Spencer, IA 51301	712-262-6610 800-383-0964	712-262-3044	Randy Cauthron, Managing Editor news@spencerdailyreporter.com
Ida Grove Courier PO Box 249 Ida Grove, Iowa 51445	712-364-3131	712-364-3010	Office Manager, Amy R. Forbes idacourier@frontiernet.net
Storm Lake Times Times Square 220 West Railroad Street P.O. Box 487 Storm Lake, Iowa 50588	712-732-4991 800-732-4992	712-732-4331	Art Cullen, Editor times@stormlake.com
Moville Record 238 Main Street, Moville, IA 51039	712-873-3141	712-873-3142	Blake Stubbs, Editor record@wiatel.net
Sergeant Bluff Advocate 405 4th St. Sgt. Bluff Sgt. Bluff, IA 51054	712-943-2583	712-943-4606	Wayne Dominowski, Editor advocate@longlines.com

TABLE M21: PUBLIC INFORMATION SOURCES – MINNESOTA

Radio Station	Telephone	Fax	Other Contact Information
KNSW FM 91.7 Minnesota Public Radio 480 Cedar Street Saint Paul, MN USA 55101	651-290-1424	651-290-1295	Mike Edgerly, News Director Minnesota Public Radio medgerly@mpr.org
KLOH & KISD 608 Minnesota 30 Pipestone, MN 56164 (507) 825-4282	507-825-4282	507-825-3364	General Manager, Collin Christensen kloh@klohradio.com
KLQL-101 FM 1140 150th Ave Luverne, MN 56156	507-283-4444	507-283-4444	
KWOA AM 730 28779 Co. Hwy 35 Worthington, MN 56187	507-376-6165	507-376-6165	Justine Wettschreck, News Director justine@myradioworks.net
Newspaper	**Telephone**	**Fax**	**Other Contact Information**
Marshall Independent 508 W. Main St. Marshall, MN 56258	507-537-1551	507-537-1557	Russ Labat, Publisher/General Manager rlabat@marshallindependent.com
Jackson County Pilot 310 2nd Street Jackson, MN 56143	507-847-3771	507-847-5822	Justin Lessman, Publisher justinl@livewireprinting.com
Pipestone County Star P.O. Box 277 Pipestone, MN 56164	507-825-3333	507-825-2168	Debra Fitzgerald, Editor editor@pipestonestar.com
Daily Globe P.O. Box 639 Worthington, MN 56187	507-376-9711	507-376-5202	Ryan McGaughey, Managing Editor rmcgaughey@dglobe.com
Rock County Star Herald 117 W. Main St. Luverne, MN 56156	507-283-2333	507-283-2335	Lori Ehde, Editor editor@star-herald.com
Star Tribune 425 Portland Avenue, S. Minneapolis, MN 55488	612-673-4000	612-673-7788	Rene Sanchez, Editor and Senior Vice President rene.sanchez@startribune.com

TABLE M22: PUBLIC INFORMATION SOURCES – NEBRASKA

Radio Station	Telephone	Fax	Other Contact Information
KCTY Radio 104.9 FM KTCH Radio 1590 AM Box 413 Wayne, NE 68787	402-375-3700	402-375-5402	Dave Kelly - General Manager ktch@ktch.com
Television Station	**Telephone**	**Fax**	**Other Contact Information**
KPTH – FOX 44 100 Gold Circle Dakota Dunes, SD 57049	712-277-3554	712-255-5250	Katelyn Knobbe, General Manager, KMEG kknobbe@siouxlandnews.com
KETV ABC 2665 Douglas St Omaha, NE 68131	402-345-7777	402-978-8931	Roseanne Shannon, News Director
KMTV 10714 Mockingbird Dr Omaha, NE 68127	402-592-3333	402-593-2737	Chris Sehring, General Manager csehring@jrn.com
KPTM FOX 4625 Farnam St Omaha, NE 68132	402-554-4282	402-554-4279	Kristen Whitman, News Manager a news42@kptm.com
WOWT NBC 3501 Farnam St Omaha, NE 68131	402-346-6666	402-233-7888	Amy Adams, News Director sixonline@wowt.com
Newspaper	**Telephone**	**Fax**	**Other Contact Information**
Dakota County Star 1000 W. 29th Street Suite 116 S. Sioux City, NE 68776	402-494-4264	402-494-2414	General Manager - Chris Rhoades crhoades@enterprisepub.com
Mundo Latino 1512 Dakota Ave, South Sioux City, NE 68776	402-494-2655	402-494-2659	April Garcia, Editor mundolatino@cableone.net
Omaha-World Herald 1314 Douglas St. Suite 100 Omaha, NE 68102	402-444-1000	402-444-1299	Executive Editor Mike Reilly mike.reilly@owh.com

TABLE M23: PUBLIC INFORMATION RESOURCES – SOUTH DAKOTA

Radio Station	Telephone	Fax	Other Contact Information
KWSN AM1230 & FM98.1 500 S Phillips Ave, Sioux Falls, SD 57104	605-271-5873	605-336-0415	studio@kwsn.com
KDEZ-FM / Easy 100.1 5100 S Tennis Ln Sioux Falls, SD 57108	605-361-0300 605-361-3939	870-933-0403	Scott Maguire, Program Director scott.maguire@results-radio.com
KIKN-FM / Kickin' 100.5 5100 S Tennis Ln Sioux Falls, SD 57108	605-361-0300	605-361-5410	JD Collins, Program Director jdcollins@kikn.com
Hot 104.7 - KKLS-FM 5100 S Tennis Ln Sioux Falls, SD 57108	605-361-0300	605-361-5410	Andy Erickson, Program Director andy@hot1047.com
103.7 / The KRRO Sioux Falls, SD	605-331-5350	605-336-0415	krro@krro.com
WNAX 570 AM 1609 East Hwy. 50 Yankton, SD 57078	605-665-7442	605-665-8788	Bill Holst, General Manager bholst@wnax.com
Television Station	**Telephone**	**Fax**	**Other Contact Information**
KMEG – CBS 100 Gold Circle Dakota Dunes, SD	712-277-3554	712-255-5250	kmeg@kmeg.com
KDL – NBC 3600 S. Westport Ave Sioux Falls, SD 57106	605-361-5555	605-3617017	Paul Heinert, News Director news@kdlt.com
KELO – 501 Sioux Falls, SD 57104	605-336-1100	605-334-3447	Beth Jensen, News Director bjensen@keloland.com
KSFY ABC 300 N. Dakota Ave. #100 Sioux Falls, SD 57104	605-336-1300	605-336-7936	Kevin King, News Director kking@ksfy.com
KTTW – Channel 7, FOX 2817 W 11th St Sioux Falls, SD 57105	605-338-0017	605-338-7173	Ed Hoffman, General Manager edh@kttw.com
KUSD Public Broadcasting P.O. Box 5000 Vermillion , SD 57069	800-456-0766	605-677-5010	Bob Bosse, Television Director bob.bosse@state.sd.us

TABLE M23: PUBLIC INFORMATION RESOURCES – SOUTH DAKOTA

Newspaper	Telephone	Fax	Other Contact Information
North Sioux City Times 554 River Drive N. Sioux City, SD 57049	605-232-3539	605-232-3679	Bruce Odsen, Publisher times1@iw.net
Leader-Courier& Times 108 W. Main Street Elk Point, SD 57025	605-356-2632	605-356-3626	Bruce Odsen, Publisher leader2@iw.net
Argus Leader 200 S Minnesota Ave. Sioux Falls, SD 57104	800-952-0127 605-331-2200	605-331-2294	Maricarrol Kueter, Executive Editor mkueter@argusleader.com
Plain Talk 201 W. Cherry St Vermillion, SD 57069	605-624-4429-	605-624-2696	David Lias, Editor david.lias@plaintalk.net
Press & Dakotan 319 Walnut Yankton, SD 57078	605-665-7811	605-665-1721	Kelly Hertz, Managing Editor- kelly.hertz@yankton.net
Yankton County Observer P.O. Box 98 Yankton, SD 57078	605-665-0484	605-665-5582	Kathy Church, Editor kathy@ycobserver.com

APPENDIX N: MISSOURI RIVER FEATURES BY RIVER MILE

TABLE N24: MISSOURI RIVER FEATURES BY RIVER MILE

River Mile	River Feature	Other Information
851.5 at left descending bank (LDB)	Choteau Creek Confluence	Forms eastern boundary of Bon Homme County
851.5 at right descending bank (RDB)	Verdel Landing	Boat ramp and camp ground
844 LDB	Niobrara State Park and confluence of Niobrara River	Camp ground Niobrara Village Boat Launch
841 LDB	Old Ferry Landing	Boat Ramp
840.8	State Highway 37 (US Route 14)	Standing Bear Memorial Bridge
840.3 LDB	Running Water	Boat Ramp
839.0 RDB	Brazille Creek State Wildlife Management Area	Boat Ramp and eastern boundary of Santee Indian Reservation
832.0 LDB	Springfield Recreational Center	Boat Ramp and camp grounds
829.4 RDB	Santee Sioux Boat Ramp	Eastern side of Santee Sioux Recreation Park
828.9. LDB	Sand Creek Recreational Center	Boat Ramp and camp ground
825.8 LDB	Navratil Landing / Twin Bridges	Boat Ramp
820.2 RDB	Miller Creek Recreational Area	Boat Ramp
819.8 LDB	Tabor Recreational Area	Boat Ramp
819.0 RDB	Bloomfield Recreational Area	Boat Ramp and camp ground
815.8 RDB	Weigand/Burbach Recreational Area	Boat Ramp
814.5 LDB	Gavins Point Recreational Area	Boat Ramp and camp ground
814.4 RDB	Walkers Valley Boat Ramp	Boat ramp West of Deep Water Recreational Area
813.0 LDB	Midway Recreational Area	Boat ramps
812.6 RDB	Hideaway Acres Boat Ramp	Private boat ramp west of Hideaway Acres State Recreation Center
811.2 LDB	Lewis and Clark Marina	Boat launch and full service marina
811.1	Gavins Point Dam	
810.4 RDB	Nebraska Tailwaters	Boat Launch at USACE campground
810.1 LDB	Boat Ramp at Training Dike	In Nebraska but on north side of river
806 LDB	Yankton, South Dakota	
806 LDB	City of Yankton Water Plant	Water intake location
805.5	US Highway 81	Meridian Bridge
805.4 LDB	Riverside Park Boat Launch, in Yankton	Two-lane concrete ramp with campground
805.4 LD	Confluence of Marne Creek and Missouri	Primitive camping area
805	Two oil pipelines	Crossing under the river in Yankton
798.7 RDB	Cedar County Park	St. Helena Boat Launch
787.6 RDB	Bow Creek confluence	National Park Service land, primitive camping is allowed, no vehicle access

TABLE N24: MISSOURI RIVER FEATURES BY RIVER MILE

River Mile	River Feature	Other Information
787.1 LDB	Myron Grove Boat Launch	Ramp has been repaired and is now accessible to boats
784.8 RDB	Brooky Bottom Boat Launch	Also known as Sportsman, a two-lane concrete ramp
784.8 RM	Goat Island	Largest island in the Missouri National Recreational River
781.0 LDB	Clay County Boat Launch	County park and campground, concrete ramp
775.0 RDB	Mulberry Bend Boat Launch	Primitive camping area, concrete ramp
763.5 LDB	Bolton canoe and kayak launch point	No ramp, primitive camping
762.8	Oil and Refining Pipeline Bridge	Has been removed
753.5 RDB	Nebraska's Ponca State Park	Developed camping and day-use facilities with three-lane asphalt ramp
753. 5	Lower end of Missouri National Recreational River	
746.3 RDB	Dixon/Dakota County line	
745.6 RDB	Confluence of Aowa Creek and Missouri River	
740.5	Nebraska Electric General Transmission Co-op	Power lines cross river
737.4 RDB	Confluence with Elk Creek	
734.1	Missouri River Boat Club Marina, located on Big Sioux River	1.4 miles above confluence with Missouri River
734.1 LDB	Confluence of Big Sioux River	
732.6 LDB	Sioux City Municipal Boat Dock	Boat ramp, boat dock, and fuel storage
732.3	US Highway 75/77 crosses Missouri River	
731.7 LDB	Argosy Casino	Current location
731.5 RDB	Scenic Park Camp Ground	Developed camping and day-use facilities
731.2 LDB	Floyd River and Missouri River confluence	
731.2 LDB	Nutra-Flo Company	Nitrogenous fertilizer plant (712-277-2011)
730.5	Burlington Northern Santa Fe Railway	Bridge over Missouri River (Railroad Mile Marker 106)
727.8 LDB	Big Soo Terminal	Handles general cargo and liquid/dry fertilizers (712-258-0537)
728.6	US Hwy 20/75 Crosses Missouri River	
727.5 LDB	Jebro, Inc	Asphalt unloading and storage (712-277-8855)
727.0 LDB	Sioux By-Products – Darling International	Formally used for tallow loading, 8-inch pipeline from steel storage tanks to wharf (800-535-5053)
725.6 RDB	Cottonwood Cove Park	Boat ramp
721.8 LDB	Weedland River Access	IDNR boat ramp
718.8	Iowa Public Service Electric	Overhead power lines cross river
718.7 LDB	Terra International Inc. (CF Industries)	Fertilizer loading (712-943-5501)
718.3 LDB	MidAmerican Energy Power Plant	George Neal North, coal-fired power plant with water intake (563-333-8404)

TABLE N24: MISSOURI RIVER FEATURES BY RIVER MILE

River Mile	River Feature	Other Information
717.2 LDB	Omaha Public Power District and Iowa Public Service Electric	Power lines cross Missouri River
717.0 LDB	Koch Nitrogen Company - Sergeant Bluff Terminal	Bulk loading dock (712-943-5624)
716.7 LDB	MidAmerican Energy Power Plant	George Neal North coal-fired power plant with water intake (563-333-8404)
716.7 LDB	FMC Corp, Ag Chemical Division	Pesticides and agricultural chemicals (712-943-5585)
716.6 LDB	AG Processing Inc., Sergeant Bluff	Multi-purpose agribusiness (800-798-4282)
716.6 LDB	Upper Limit of Snyder Bend Public Lands	Snyder Bend Lake to the south
714.6 RDB	Dakota/Thurston County Boundary	Winnebago Indian Reservation Boundary
714.0 LDB	Snyder Bend Boat Ramp	At oxbow east of river
712 LDB	Lower Limit of Snyder Bend Public Lands	Upper limit Winnebago Bend Public Lands
708.7 LDB	Winnebago Bend Oxbow Lake	Wildlife Management Area
708.6 LDB	Woodbury/Monona County Boundary	Boat ramp location and lower limit of Winnebago Bend Public Lands
699.5 LDB	Whiting Lighthouse Marina	Private boat ramp and gasoline storage
694.8 LDB	Upper End of Tieville Bend Public Lands and Thurston/Burt County boundary	
691.3 RDB	Decatur Marina	boat ramp and gasoline storage
691.2	State Hwy 175 crosses Missouri River	Boat Ramp on RDB
691.0 RDB	Beck Memorial Park	Developed camping
690.7	Magellan Pipeline Company	Ammonia pipeline
690.4	Enterprise Products Pipeline	2 LPG pipelines, 8- and 12.75-inch
688 LDB	Middle Decatur Bend Wildlife Area	Boat ramp on oxbow east
682.6 LDB	Louisville Bend Oxbow	Boat Ramp
681.0 LDB	Huff Access	Boat ramp and campground
675.7 LDB	Monona/Harrison County Boundary	
675.6	NuStar Pipeline	Ammonia, 6-inch pipeline
672.8 RDB	Pelican Point State Recreation Area	Non-developed recreation area
672.3 LDB	Deer Island Wildlife Management Area	River Access from Benton Lane
670.0 LDB	Drainage canals enter Missouri River	Agricultural uses and general drainage
669.2 LDB	Confluence of Little Sioux and Missouri Rivers	
669.2 LDB	Little Sioux, Iowa	Boat Ramp
664.0 LDB	Drainage Canal	Agricultural uses and general drainage
659.7 LDB	Soldier Bend Wildlife Management Area	Boat Ramp
651.4 RDB	Cottonwood Marina	Full service marina
648.4 RDB	City of Blair	Water treatment plant and water intakes (402-426-9661)
645.9 RDB	Fort Calhoun Nuclear Power Station	Omaha Public Power District, water intakes (402-426-4011)
643.2 LDB	Harrison/Pottawattamie County line	South boundary of Siouxland Sub-Area
641.0 LDB	Wilson Island State Park	Boat dock and ramp

APPENDIX O: ENVIRONMENTALLY SENSITIVE AREAS

TABLE O25: ENVIRONMENTALLY SENSITIVE AREAS – IOWA

County	Agency	Type	Name	Notes
Various counties	US National Park Service (NPS)	National Historic Trail	Lewis & Clark National Historic Trail	Generally following the Missouri River
Various counties	NPS	National Historic Trail	Mormon Pioneer National Historic Trail	From Nauvoo, IL, westward across southern IA toward Omaha
Buena Vista	Iowa Department of Natural Resources (IDNR)	State Park	Wanata State Park	0.5 mile S. of Peterson - IA 10
Buena Vista	US Fish & Wildlife Service (USFWS)	National Wildlife Refuge	Iowa Wetland Management District	Part of Union Slough National Wildlife Refuge, encompasses 35 counties with waterfowl production areas in 16 counties.
Buena Vista	IDNR	Wildlife Management Area (WMA)	Bluebird Access WMA	6 acres; River access east edge of Linn Grove
Buena Vista	IDNR	WMA	Leo Grau WMA	64 acres; 1/10 Marsh, 9/10 Upland 10 miles E of Storm Lake on C49
Buena Vista	IDNR	WMA	Little Storm Lake WMA	274 acres; 2/3 Marsh, 1/3 Upland W edge of Storm Lake on Hwy 110
Buena Vista	IDNR	WMA	Pickerel Lake WMA	427 acres; 3/4 Lake, 1/4 Upland 3 miles E of Marathon on Hwy 10, 4 miles N on 180th
Cherokee	IDNR	WMA	Soo Access	17 Acres, river access. 5 Miles NE of Larrabee.
Cherokee	The Nature Conservancy (TNC)	Project Area	Steele Prairie	200 Acres Blacksoil prairie (mesic & wet), sedge meadow, and marsh in NE Cherokee county.
Clay	USFWS	National Wildlife Refuge	Iowa Wetland Management District	Part of Union Slough National Wildlife Refuge, encompasses 35 counties with waterfowl production areas in 16 counties.
Clay	NPS	NPS Rural Landmark	Dewey Pasture & Smith's Slough	4 miles north of Hwy 18 between Spencer and Ruthven
Clay	TNC	Project Area	Lindstrom-Simons Fen	
Clay	IDNR	WMA	Barringer Slough WMA	1,710 acres; Marsh, Prairie; W of Ruthven on Hwy 18, N on 320th Ave
Clay	IDNR	WMA	Burr Access WMA	10 acres; River access; 2 miles N of Sioux Rapids on Hwy 71, 3 miles E on 500th St
Clay	IDNR	WMA	Dan Green Slough WMA	711 acres; 1/2 Marsh, 1/2 Upland; 3 miles N of Spencer on Hwy 71, 7 miles E on B17
Clay	IDNR	WMA	Dewey's Pasture WMA	5,522 acres; 2/5 Lakes, 2/5 Marsh, 1/5 Upland; 0.5 mile W of Ruthven on Hwy 18, 4 miles N on N18

TABLE O25: ENVIRONMENTALLY SENSITIVE AREAS – IOWA

County	Agency	Type	Name	Notes
Clay	IDNR	WMA	Dry Mud Lake WMA	259 acres; Upland, Wetland; 4 miles E of Webb on B63, 1 mile S on 330th Ave
Clay	IDNR	WMA	DU Marsh WMA	278 acres; Marsh, Upland; 3.5 miles E of Dickens on Hwy 18
Clay	IDNR	WMA	Elk Lake Complex WMA	579 acres; 1/2 Lake, 1/4 Marsh, 1/4 Upland; 2 miles W of Ruthven on Hwy 18, 3 miles S on 330th
Clay	IDNR	WMA	Hawk Valley WMA	1,450 acres; Marsh, Timber, Grass, River bottom; 5 miles E of Spencer on Hwy 18, 2 miles S on M50, 2 miles E on 380th St
Clay	IDNR	WMA	High Bridge	127 acres; Upland, River bottom, Timber; 5 miles W of Webb on B53, 1 mile N on 240th Ave
Clay	IDNR	WMA	Little Sioux WMA	662 acres; River access, Timber, Upland; 7 miles S of Spencer on Hwy 71
Clay	IDNR	WMA	Ocheyedan WMA	603 acres; 1/2 Timber, 1/4 Marsh, 1/4 Upland; 5 miles W of Spencer on West 4th St
Clay	IDNR	WMA	Reiter WMA	348 acres; Timber; 1 mile N of Spencer on West 4th Ave
Clay	IDNR	WMA	Thompson WMA	119 acres; Timber, Upland; W of Peterson on Hwy 10, W. on 492nd St
Clay	IDNR	WMA	Tom Tuttle Marsh WMA	138 acres; 1/3 Marsh, 2/3 Upland; 1 mile N of Spencer on Hwy 71, 6 miles W on Hwy 18, 2 miles N on 160th
Dickenson	USFWS/ IDNR	Topeka Shiner habitat	Location Unknown	Appears in the Iowa Natural Areas Inventory for the county
Dickinson	TNC	State Preserve	Freda Haffner Kettlehole Preserve	110-acre preserve containing the largest glacial “kettlehole” in Iowa; 2 miles west of West Okoboji Lake, approximately 4.5 miles northwest of Milford
Dickinson	USFWS	National Wildlife Refuge	Iowa Wetland Management District	Part of Union Slough National Wildlife Refuge, encompasses 35 counties with waterfowl production areas in 16 counties.
Dickinson	IDNR	State Park	Emerson Bay	2.5 miles N of Milford - IA 32
Dickinson	IDNR	State Preserve	Cayler Prairie State Preserve	3 miles W of West Okoboji Lake
Dickinson	IDNR	State Park	Elinor Bedell SP	Spirit Lake
Dickinson	IDNR	State Recreation Area (SRA)	Emerson Bay SRA	Milford
Dickinson	IDNR	State Park	Gull Point SP	Milford
Dickinson	IDNR	SRA	Lower Gar SRA	Arnolds Park; 3.5 miles W of Milford - IA 32
Dickinson	IDNR	SRA	Marble Beach SRA	2 miles NW of Orleans - IA 276
Dickinson	IDNR	State Park	Mini-Wakan SP	N shore Spirt Lake

TABLE O25: ENVIRONMENTALLY SENSITIVE AREAS – IOWA

County	Agency	Type	Name	Notes
Dickinson	IDNR	State Park	Pikes Point SP	Spirit Lake
Dickinson	IDNR	SRA	Templar SRA	3 miles N.W. Spirt Lake - IA 276
Dickinson	IDNR	State Park	Trapper's Bay SP	Spirit Lake; Adjoins Lake Park - IA 219
Dickinson	IDNR	WMA	Cayler Prairie Complex WMA	1,204 acres; Virgin prairie & Marshes; 6 miles W of Spirit Lake on Hwy 9, 2 miles S on 170th Ave
Dickinson	IDNR	WMA	Center Lake Complex WMA	598 acres; Lake, Timber, Grassland, Marsh; 1 mile W of Spirit Lake on Hwy 9, 0.5 mile W on 155th St, 0.5 mile S on 220th Ave
Dickinson	IDNR	WMA	Christopherson Slough Complex WMA	2,130 acres; 2/3 Shallow Lake-Marsh, 1/3 Upland, Timber; 2 miles N of Superior on N16
Dickinson	IDNR	WMA	Cory Marsh WMA	122 acres; 1/4 Marsh, 3/4 Upland; 2 miles E of Lake Park on Hwy 9, 2 miles N on 150th Ave
Dickinson	IDNR	WMA	Diamond Lake WMA	1,096 acres; Shallow Lake, Timber, Upland, Wetlands; 3 miles W of Spirit Lake on Hwy 9, 3 miles N on Hwy 86
Dickinson	IDNR	WMA	Dugout Creek WMA	942 acres; 1/4 Marsh, 3/4 Upland; 1 mile E of Lake Park on Hwy 9, 1 mile S on 140th St
Dickinson	IDNR	WMA	Garlock Slough WMA	776 acres; 1/2 Marsh, 1/2 Upland Prairie; 1 mile N of Milford on Hwy 71
Dickinson	IDNR	WMA	Hales Slough WMA	527 acres; Marsh, Upland; 2 miles N of Orleans on Hwy 327/M56
Dickinson	IDNR	WMA	Jemmerson Slough Complex	1,023 acres; 1/3 Marsh, 2/3 Upland; 1 mile NW of Spirit Lake on Hwy 9, 0.5 mile E on 153rd St
Dickinson	IDNR	WMA	Kettleson Hogsback Complex WMA	2,040 acres; Marsh, Upland, Timber, Prairie; 3 miles N of Spirit Lake on Hwy 276, 1 mile W on 125th St
Dickinson	IDNR	WMA	Lower Gar Lake WMA	304 acres; Lake, Upland; 1 mile N of Milford on Hwy 71, 1 mile E on 210th St
Dickinson	IDNR	WMA	McClelland Beach WMA	66 acres; Lake, Upland; 4 miles NE of Orleans on Hwy 327/M56, 1.5 miles W on 100th St
Dickinson	IDNR	WMA	Minnewashta Lake	123 acres; Lake; E edge of Arnolds Park on Hwy 71
Dickinson	IDNR	WMA	Santee Prairie WMA	766 acres; shallow ponds and prairie on 150th Street.
Dickinson	IDNR	WMA	Silver Lake WMA	1,115 acres; Lake, Timber; 1 mile W of Lake Park on Hwy 9
Dickinson	IDNR	WMA	Spring Run	4,668 acres; 1/3 Lake & marshes, 2/3 Upland; 3 miles E of Spirit Lake on Hwy 9, 2.5 miles S on 280th St

TABLE O25: ENVIRONMENTALLY SENSITIVE AREAS – IOWA

County	Agency	Type	Name	Notes
Dickinson	IDNR	WMA	Trickle Slough WMA	37 acres; Marsh, Upland; 4 miles NE of Orleans on Hwy 327/M56, 0.5 mile W on 100th St
Dickinson	IDNR	WMA	Welch Lake WMA	1,252 acres; Shallow lake, Marsh, Upland; 2.5 miles W of Spirit Lake on Hwy 9, 2 miles N on Hwy 86, 0.5 mile E on 130th St
Dickinson	IDNR	WMA	West Okoboji Wetlands WMA	346 Acres; Agricultural; 2 miles N of Wahpeton on Hwy 86, 0.5 mile W on 160th
Dickinson	IDNR	WMA	Yager Slough WMA	503 acres; 1/4 Marsh, 3/4 Upland; 2 miles E of Lake Park on Hwy 9, 3 miles S on M34
Harrison	IDNR	Least Tern	Missouri River Valley	Generally found within 10 miles of the Missouri River in the western third of the county.
Harrison	IDNR	Piping Plover habitat	Missouri River Valley	Found in nearly all of county
Harrison	IDNR	Pallid Sturgeon habitat	Missouri River	Multiple points
Harrison	USFWS	National Wildlife Refuge	DeSoto NWR	High-quality floodplain forest, grassland, wetland, sandbar and riverine habitats support migratory waterfowl, shorebirds, and neotropical birds, as well as threatened and endangered species (pallid sturgeon, piping plover, and least tern).
Harrison	NPS	Natural Landmark	Loess Hill	Turin & Little Sioux/Smith Lake
Ida	IDNR	WMA	Washta Access WMA	52 Acres, timber, river access. 2 Miles S of Washta on Hwy 31.
Lyon	USFWS	Topeka shiner Critical Habitat	Kanaranzi Creek and Rock River Watershed	From its confluence with the Rock River upstream into Minnesota.
Lyon	USFWS	Topeka shiner Critical Habitat	Rock River and Rock River Watershed	From its confluence with Kanaranzi Creek upstream into Minnesota.
Lyon	USFWS	Topeka shiner Critical Habitat	Little Rock River	Extends 1 mile NE to 1 mile SW of the town of Little Rock.
Lyon	IDNR	WMA	Big Sioux River WMA, Kroger	429 Acres timber, uplands. 4 Miles W of Inwood on Hwy 18.
Lyon	IDNR	WMA	Big Sioux River WMA, Nelson	383 Acres of timber, upland 2 miles N of Inwood on Hwy 182, 4 miles W on 220th St
Lyon	IDNR	WMA	Big Sioux River WMA, Horn	75 acres of Timber, Upland, River. 4 miles S of Larchwood on Hwy 182, 4.5 miles W on A26
Lyon	IDNR	WMA	Big Sioux River WMA, Gitchee Manitou	146 Acres timber, prairie, river. 5 miles NW of Larchwood on Hwy 9, 4.5 miles W on 100th St

TABLE O25: ENVIRONMENTALLY SENSITIVE AREAS – IOWA

County	Agency	Type	Name	Notes
Lyon	IDNR	WMA	Little Rock River WMA	30-acre WMA less than 1 mile directly east of George, IA.
Lyon	Lyon County Board of Conservation & IDNR	State Preserve	Gitchie Manitou State Preserve	A 48-acre parcel that is a geological, archaeological, historical, and biological state preserve; at the extreme northwest corner of IA, just southeast of the suburbs of Sioux Falls, SD.
Monona	USFWS/IDNR	Pallid Sturgeon Sensitive Habitat	Missouri River	Multiple points
Monona	NPS	Natural Landmark	Loess Hills	Turn in at Little Sioux/Smith Lake
Monona	IDNR	State Park	Preparation Canyon	344 Acres in Loess Hills. Encompasses early Mormon town of Preparation. About 5 miles SW of Moorhead, IA
Monona	IDNR	State Park	Lewis & Clark	On shores of 250-acre Blue Lake, an oxbow formed by meandering Missouri River. Models of Lewis & Clark's keelboats. 3 Miles NW Onawa, IA.
Monona	IDNR	WMA	Badger Lake WMA	1,109 acres: 1/3 marsh, 2/3 upland. 2 Miles W of I-29 Whiting Exit on K42.
Monona	IDNR	WMA	Blackbird Bend WMA	692 acres, 2/3 bottomland timber, 1/3 marsh. Public access by river or through Tieville Bend & Ivy Island.
Monona	IDNR	WMA	Blue Lake WMA	1,227 acres, 3/4 marsh, 1/4 upland. 3 Miles NW of I-29 Onawa
Monona	IDNR	WMA	I-29 WMA	25 acres Marshland 1/2 mile W of Blencoe on Hancock Ave
Monona	IDNR	WMA	Ivy Island WMA	313 acres; 1/4 Marsh, 3/4 Bottomland Timber; 5 miles W of Onawa on 230th St, through Tieville Bend WMA.
Monona	IDNR	WMA	Loess Hills WMA	2,665 acres; Upland Timber & Prairie; 1 mile W of Castana on L20, 3 miles N on Oak Rd
Monona	IDNR	WMA	Louisville Bend, WMA	1 mile W of Castana on L20, 3 miles N on Oak Rd
Monona	IDNR	WMA	Turin Preserve WMA	Just South of Loess Hills WMA
Monona	IDNR	WMA	Loess Hills SF Units	3,081 Acres, 3/4 timber, 1/4 prairie. 9 Miles E of Blencoe on Hwy E60.
Monona	IDNR	WMA	Louisville Bend WMA	987 Acres, 1/2 marsh, 1/4 timber, 1/4 upland. 2 miles W of I-29 Onawa exit, 1.25 miles S on Cherry Ave, W on 243rd St

TABLE O25: ENVIRONMENTALLY SENSITIVE AREAS – IOWA

County	Agency	Type	Name	Notes
Monona	IDNR	WMA	Middle Decatur WMA	349 Acres, 3/4 marsh, 1/4 shallow lake. 2.5 Miles SW of I-29 Onawa Exit.
Monona	IDNR	WMA	Monona Bend WMA	390 acres; 2/3 Bottomland Timber, 1/3 Marsh; access by Missouri River only; 9 miles downstream from Winnebago Bend boat ramp.
Monona	IDNR	WMA	Tieville Bend WMA	1,668 acres; 1/4 Bottomland timber, 3/4 Upland; 3.5 miles W of Onawa on Hwy 175, 1.5 miles W on 230th
Monona	IDNR	WMA	Tieville Bend WMA	970 Acres, 1/4 bottomland timber, 3/4 upland. 5 Miles W of Onawa.
Monona	IDNR	WMA	Turin Preserve	641 acres; Upland Timber & Prairie 1.5 miles N of Turin on Larpenteur Memorial Rd
Monona	IDNR	WMA	Upper Blencoe Bend WMA	85 acres; Bottomland Timber 1 mile W of Blencoe on E60, 1 mile S on Hazel St, 2 miles W on 305th St
Monona	IDNR	WMA	Upper Monona Bend WMA	123 acres; Bottomland Timber Access by Missouri River only; 7 miles downstream from Winnebago Bend boat ramp
Monona	IDNR	WMA	Upper Dekatur Bend WMA	646 acres; 2/3 Timber, 2/3 Marsh 6 miles W of Onawa I-29 exit on Hwy 175
Monona	IDNR	WMA	Winnebago Bend WMA	1,252 acres; 1/3 Timber, 1/3 Upland, 1/3 Marsh 0.25 mile W of I-29 Sloan exit, 1 mile S on K42, 5 miles W on 340th St
O'Brien	O'Brien County Conservation Board	State Park	Mill Creek Park	East of Paullina on State Hwy 10.
O'Brien	IDNR	WMA	Waterman Creek N WMA	225 Acres, stream, uplands. 7 Miles SE of Hartley.
O'Brien	IDNR	WMA	Waterman Creek S WMA	962 Acres, prairie, timber, stream. 5.5 Miles SE of Sutherland.
Osceola	USFWS	National Wildlife Refuge	Iowa Wetland Management District	Part of Union Slough National Wildlife Refuge, encompasses 35 counties with waterfowl production areas in 16 counties.
Osceola	USFWS/IDNR	Topeka Shiner Critical Habitat	Little Rock River	From State Highway 9, upstream into Minnesota.
Osceola	IDNR	WMA	Iowa Lake WMA	114 Acres, shallow lake, marsh. 3 Miles NW of Harrison.
Osceola	IDNR	WMA	Rush Lake WMA	347 Acres, shallow lake, marsh. 2 Miles E of Ocheyedan on Hwy 9.
Osceola	IDNR	WMA	Sutton Lake WMA	SE of Ocheyedan

TABLE O25: ENVIRONMENTALLY SENSITIVE AREAS – IOWA

County	Agency	Type	Name	Notes
Osceola	Osceola County Conservation Board	State Preserve	Ocheyedan Mound State Preserve	24-acre preserve containing a portion of this large landform is 1 mile south of Ocheyedan in eastern Osceola County.
Plymouth	USFWS/IDNR	Topeka Shiner habitat	Location unknown	Appears in the Iowa Natural Areas Inventory for the county.
Plymouth	IDNR	State Preserve	Mount Talbot State Preserve	90 Acres of Loess Hills; in the northern part of Stone State Park, in Plymouth and Woodbury Counties.
Plymouth	IDNR	WMA	Deer Creek WMA	1,034 Acres lake, upland. 11 Miles NE of Sioux City.
Plymouth	TNC	Project Area	Broken Kettle Grasslands	3,000 Acres of rolling grasslands in northern Loess Hills, with habitat for many species of prairie butterflies. N of Sioux City off State Hwy 12.
Plymouth	Plymouth County Conservation Board (PCCB)	State Preserve	Five Ridge Preserve	790 Acres of dry-mesic Loess Hills prairie ridges separated by wooded draws with predominantly bur oak forests. Immediately adjacent to Broken Kettle Grasslands.
Plymouth	TNC	Project Area	Knapp Prairie	25 Acres of dry-mesic Loess Hills prairie dominated by tall grass prairie species adapted to deeper, mesic loess soils. Important prairie butterfly conservation area. 6 Miles NE of Sioux City.
Plymouth	PCCB	State Preserve	Hillview Recreation Area	250 Acres devoted to outdoor recreation 1 mile west of Hinton at 25601 Co. Road 60
Plymouth	PCCB	State Preserve	Five Ridge Prairie	A dedicated state preserve with 790 acres of loess hills habitat with native prairie at intersection of 260th Street and K 18
Plymouth	PCCB	County Park	Southeast Wildwood	A 36-acre day-use park with fishing and picnic facilities at 41564 310th Street
Plymouth	PCCB	County Park	Big Sioux	A 33-acre park 1 mile N of Akron at 14241 Highway 12. The land on the Big Sioux River is undergoing ecological succession toward bottomland forest
Plymouth	PCCB	County Park	Millsite Access	16 acres of old growth bottomland forest on the Big Sioux River at 10001 Highway 3. The site includes a boat ramp.
Plymouth	PCCB	Natural Area	O'Brien Prairie	40-acre prairie at intersection of Noble Avenue and 260th Street
Plymouth	PCCB	Natural Area	Silver Maple Primitive Area	A 60-acre natural area south of Akron on the Big Sioux River at 17765 Birch Avenue

TABLE O25: ENVIRONMENTALLY SENSITIVE AREAS – IOWA

County	Agency	Type	Name	Notes
Plymouth	PCCB	Wildlife area	Meadow Wildlife Area	A 5-acre natural area focused around a restored gravel pit a mile east of Remsen at 45597 140th Street
Plymouth	PCCB	Natural Area	E.C. Lippke Wetland	A 250-acre natural area off Highway 12 on the Big Sioux River 2 miles S of Westfield at 11132 240th Street
Plymouth	PCCB	Natural Area	Birkley's Bend	A 230-acre natural area 4 miles S of Westfield on the Big Sioux River at 26779 Highway 12
Plymouth	PCCB	Natural Area	Boyd's Bend	160-acre natural area just N of Akron on a bend of the Big Sioux River at 13469 Highway 12
Plymouth	PCCB	Natural Area	Highway 75 Wetland	12-acre natural area along Highway 75
Pocahontas	IDNR	WMA	Kalsow Prairie WMA	159 acres; Native Prairie; 3 miles N of Manson on N65, 1 mile W on 630th.
Pocahontas	IDNR	WMA	Little Clear Lake WMA	166 acres; Shallow lake, Marsh; 10 miles W of Pocahontas on Hwy 3
Pocahontas	IDNR	WMA	Lizard Lake WMA	350 acres; 3/4 Marsh, 1/4 Timber; 3 miles W of Gilmore City on Hwy 3, 4 miles S on 320th Ave
Pocahontas	IDNR	WMA	Shimon Marsh WMA	1,268 acres; 1/3 Marsh, 2/3 Upland; 1 mile W of Fonda on Hwy 7, 2 miles N on 120th Ave
Sioux	IDNR	WMA	Big Sioux River, Groth	233 acres; Timber, Upland, River 6 miles W of Rock Valley on Hwy 18, 2.5 miles W on 310th
Sioux	IDNR	WMA	Big Sioux River, Hoogendoorn	116 acres S of Groth WMA; Timber, Upland, River
Sioux	IDNR	WMA	Big Sioux River, Miller	83 acres S of Hoogendoorn WMA; Timber, Upland, River
Sioux	Sioux County Conservation Board	State Park	Oak Grove Park	N of Hawarden along Big Sioux River.
Woodbury	USFWS/IDNR	Piping Plover Sensitive Habitat	Missouri River Valley	Found in nearly all of county.
Woodbury	IDNR	State Park	Stone State Park	1,069 acres in Loess Hills. 8 Miles NW of Sioux City - IA 12
Woodbury	IDNR	WMA	Brown's Lake WMA	1,158 acres; 1/4 Timber, 1/2 Upland, 1/4 Marsh; 2.25 miles W of I-29 Salix exit on Port Neal Rd
Woodbury	IDNR	WMA	Dakota Bend WMA	112 acres; 1/2 Upland, 1/2 Bottomland Timber; Access by Missouri River only
Woodbury	IDNR	WMA	Glover's Point WMA	54 acres; 3/4 Upland, 1/4 Bottomland Timber; Access by Missouri River only
Woodbury	IDNR	WMA	IPS Property WMA	168 acres; upland; 2.25 miles W of I-29 Salix exit on Port Neal Rd

TABLE O25: ENVIRONMENTALLY SENSITIVE AREAS – IOWA

County	Agency	Type	Name	Notes
Woodbury	IDNR	WMA	Lakeport WMA	128 acres; 1/3 Marsh, 2/3 Bottomland Timber; 1 1/2 miles S of Salix on Carroll
Woodbury	IDNR	WMA	Luton WMA	1,094 acres; Marsh; 6 miles N of Sloan on K42
Woodbury	IDNR	WMA	Mile Long Island WMA	234 acres; 3/4 Bottomland timber, 1/3 Upland; 1.25 miles W of I-29 Port Neal Rd exit, W on 235th St to Allison Ave, S to 240th St, 0.75 mile W
Woodbury	IDNR	WMA	Omadi Bend WMA	280 acres; 1/4 Bottomland Timber, 3/4 Upland; Access by Missouri River only; Across river from Weedland boat ramp
Woodbury	IDNR	WMA	Sioux Bend WMA	66 acres; 2/3 Bottomland timber, 1/3 Upland; 0.5 mile W of Correctionville, S side of Hwy 20
Woodbury	IDNR	WMA	Snyder Bend WMA	1,867 acres; 1/3 Timber, 1/3 Upland, 1/3 Marsh; 1.5 miles W of I-29 Salix exit on K42, 1.5 miles S on Snyder Bend Rd
Woodbury	IDNR	WMA	Table Marsh WMA	723 acres; Marsh; 2.5 miles E of Hornick on Hwy 141
Woodbury	IDNR	WMA	Weedland Access WMA	15; Timber, River access; 3 miles W of I-29 Port Neal Rd ext on 235th St
Woodbury	IDNR	WMA	Winnebago Bend WMA	1,252 acres; 1/3 Timber, 1/3 Upland, 1/3 Marsh; 0.25 mile W of I-29 Sloan exit, 1 mile S on K42, 5 miles W on 340th St
Woodbury	IDNR	WMA	Brown's Lake WMA	1,311 acres, 1/4 timber, 1/2 upland, 1/4 marsh. 2.25 miles W of I-29 Salix Exit on Port Neal Rd.
Woodbury	IDNR	WMA	Dakota Bend WMA	109 acres, access to area by river only
Woodbury	IDNR	WMA	Mile-long Island WMA	230 acres, 3/4 bottomland timber, 1/4 upland. 1.25 mile W of I-29 Port Neal Rd. Exit, W on 235th St. to Allison Ave., S to 240th St., W 0.75 mile.
Woodbury	IDNR	WMA	Sioux Bend WMA	64 acres, 2/3 bottomland timber, 1/3 upland. 0.5 mile W of Correctionville.
Woodbury	IDNR	WMA	Snyder-Winnebago Bend	2,865 acres, 1/3 timber, 1/3 upland, 1/3 marshland. 1.5 mile W of I-29 Salix Exit on K42, 1.5 mile S on Snyder Bend Rd.
Woodbury	TNC	Project Area	Sioux City Prairie	157 acres dry-mesic Loess Hills Prairie dominated by tall grass species typically found farther west in the Great Plains. One of largest native prairie tracts within an urban setting in the US.

TABLE O26: ENVIRONMENTALLY SENSITIVE AREAS – MINNESOTA

County	Agency	Type	Name	Notes
Lyon	Minnesota Department of Natural Resources (MDNR)	WMA	Amiret WMA	669 acre wetland/open grassland complex From Marshall, go 6 miles S on US 59 then 4 miles E on CSAH 20. Duck Boat Access, four other WMAs within two miles
Lyon	MDNR	WMA	Brakke WMA	267 acres, From Marshall, go 6 miles S on US 59 then 6 miles E on CSAH 20.
Lyon	MDNR	WMA	Brawner Lake WMA	136 acres, From Russell, go 1.5 miles NE on MN 23.
Lyon	MDNR	WMA	Clifton WMA	306 acres, From Marshall, go 4 miles E on MN 19 then 2 miles S on CSAH 9 then 1/2 mile W on Twp Rd
Lyon	MDNR	WMA	Coon Creek WMA	1,049 acres, From Russell, go 4 miles W and 1/2 mile N on CR 66.
Lyon	MDNR	WMA	Dayland Marsh WMA	21 acres, From Balaton, go 1 mile E on US 14 then 1.5 miles N on CR 63.
Lyon	MDNR	WMA	Deer Lane WMA	117 acres, From Balaton, go 2 miles E on US 14 then 4 miles N on CSAH 7 then .5 mile E on Twp Rd
Lyon	MDNR	WMA	Deutz WMA	42 acres, From Marshall, go 5 miles S on US 59 then 1 mile W on CSAH 20 then 1/2 mile S on CSAH 67
Lyon	MDNR	WMA	Elmer Weltz WMA	161 acres, From Lynd, go 8 miles W on CSAH 4
Lyon	MDNR	WMA	Furgamme WMA	152 acres, From Marshall, go 12 miles W on MN 19 then 1 mile S on Twp Rd
Lyon	MDNR	WMA	Gabriel Anderson WMA	110 acres, From Cottonwood, go 2 miles W and N on CSAH 10 then 1/2 mile N on Twp Rd
Lyon	MDNR	WMA	Gadwall WMA	32 acres, From Balaton, go 3 miles W on US 14 then .5 mile N on Twp Rd
Lyon	MDNR	WMA	Garvin WMA	82 acres, From Balaton, go 3 miles E on US 14 then .5 mile S on Twp Rd
Lyon	MDNR	WMA	Giese WMA	37 acres, From Balaton, go 1 mile E on US 14 then 2.5 miles S on Twp Rd
Lyon	MDNR	WMA	Good Medicine WMA	57 acres, From Marshall, go 3 miles NW on MN 68.
Lyon	MDNR	WMA	Grandview WMA	438 acres, From Ghent, go 2.5 miles W on CSAH 8.
Lyon	MDNR	WMA	Green Valley WMA	794 acres, From Green Valley, go 1/2 mile S on MN 23 then 2.5 miles E on CSAH 8.
Lyon	MDNR	WMA	Greenhead WMA	50 acres, From Tracy, go 1 mile W on US 14.

TABLE O26: ENVIRONMENTALLY SENSITIVE AREAS – MINNESOTA

County	Agency	Type	Name	Notes
Lyon	MDNR	WMA	Happy Hollow WMA	19 acres, From Balaton, go 1 mile N on CSAH 5 then .5 mile W on Twp Rd
Lyon	MDNR	WMA	Hoffman Creek WMA	37 acres, From Garvin, go 7 miles N on US 59 then 1/2 mile W on CSAH 2.
Lyon	MDNR	WMA	Hope WMA	214 acres, From Florence, go 2 miles NW on US 14.
Lyon	MDNR	WMA	Jacobson WMA	290 acres, From Marshall, go 1 mile W on MN 19 then 8 miles S on CSAH 7.
Lyon	MDNR	WMA	Lake Yankton WMA	281 acres, From Lake Benton, go 1/2 mile E on US 14.
Lyon	MDNR	WMA	Lines WMA	325 acres, From Cottonwood, go 1 mile S on CSAH 9 then 1.5 miles E on CSAH 24, A portion of this WMA is a Wildlife Sanctuary which is closed to trespass during the duck season.
Lyon	MDNR	WMA	Lyndwood WMA	72 acres, From Lynd, go 1 mile SW on CSAH 25, This WMA is partially closed to shotgun slug hunting; contact the Area Wildlife Office for restrictions.
Lyon	MDNR	WMA	Lyons WMA	572 acres, From Balaton, go 3 miles N on CSAH 5 then .5 mile W on Twp Rd
Lyon	MDNR	WMA	Lyrock WMA	55 acres, From Russell, go 1 mile E on CSAH 2 then 2 miles S on Twp Rd then 1/4 mile E on CSAH 60
Lyon	MDNR	WMA	Meadow Creek WMA	592 acres, From Marshall, go 5 miles S on US 59 then 2 miles E on Twp Rd
Lyon	MDNR	WMA	Nyroca Flats WMA	42 acres, From Florence, go 2 miles E on US 14.
Lyon	MDNR	WMA	Prairie Marshes WMA	278 acres, From Russell, go 3 miles N on CSAH 15 then 1/2 mile W on Twp Rd
Lyon	MDNR	WMA	Redwood WMA	40 acres, From Lynd, go 1/2 mile NW on CSAH 5.
Lyon	MDNR	WMA	Richard Dwire WMA	40 acres, From Russell, go 2 miles E on CSAH 2 then 1/2 mile N on Twp Rd
Lyon	MDNR	WMA	Ringneck Ravine WMA	69 acres, From Lynd, go 4 miles S on CSAH 5.
Lyon	MDNR	WMA	Rock Lake Marsh WMA	100 acres, From Balaton, go 2 miles W on US 14 then .5 mile N on Twp Rd
Lyon	MDNR	WMA	Rolling Hills WMA	229 acres, From Marshall, go 4 miles E on MN 19 then 1 mile S on CSAH 9 then 1/2 mile W on Twp Rd

TABLE O26: ENVIRONMENTALLY SENSITIVE AREAS – MINNESOTA

County	Agency	Type	Name	Notes
Lyon	MDNR	WMA	Rooster Flats WMA	126 acres, From Amiret, go 3.5 miles N on CSAH 9 then 1 mile E and .5 mile N on Twp roads
Lyon	MDNR	WMA	Russell WMA	35 acres, From Russell, go 1 mile N on CSAH 15 then 1 mile E and 1/2 mile S on Twp roads
Lyon	MDNR	WMA	SE Clifton WMA	371 acres, From Tracy, go 9 miles N on CSAH 11.
Lyon	MDNR	WMA	Sham Lake WMA	84 acres, From Cottonwood, go 1/2 mile E on CSAH 10.
Lyon	MDNR	WMA	Shelburne WMA	162 acres, From Balaton, go 5 miles W on US 14 then 3 miles S then 1/2 mile W on Twp Rd
Lyon	MDNR	WMA	Sioux Prairie WMA	390 acres, From Ivanhoe, go 10 miles E on MN 19.
Lyon	MDNR	WMA	Sodus WMA	586 acres, From Balaton, go 1 mile E on US 14 then 3 miles N on CR 63.
Lyon	MDNR	WMA	Swede Prairie WMA	82 acres, warm season native grasses and a marsh with emergent vegetation, From Minneota, go 4.5 miles N on County Highway 3 then 2 miles E on Township road.
Lyon	MDNR	WMA	Tillemans WMA	155 acres, primarily open grasslands with some small forested areas throughout and some remnant prairie, From Minneota, go 3 miles S on CSAH 3 then 3 miles W on CSAH 8 then 1 mile S and 1/2 mile W on Twp roads.
Lyon	MDNR	WMA	Vallers WMA	771 acres, prairie/wetland complex with some remnant prairie and some woody cover plantings, From Marshall, go 7 miles N on US 59 then 1 mile W on Twp Rd.
Lyon	MDNR	WMA	White Prairie WMA	18 acres, native prairie, From Marshall, go 2 miles S on US 59.
Lyon	Lyon County	County Park	Garvin Park	Main entrance is located about 2 miles North of the intersection of US Highway 14 and US Highway 59.
Lyon	MDNR	State Park	Camden State Park	Go 3 miles southwest of Lynd on Hwy 23 or from Marshall, go 10 miles south on Hwy 23.
Jackson	MDNR	WMA	Arzt WMA	16 acres, From Jackson, go 5 miles N on US 71 then 3.5 miles E on Township Road
Jackson	MDNR	WMA	Bootleg Lake WMA	87 acres, From Lakefield, go 4 miles E on CSAH 14 then 1 mile N on CSAH 17 then 1 mile E on Township Road, Boat access to Boot Lake

TABLE O26: ENVIRONMENTALLY SENSITIVE AREAS – MINNESOTA

County	Agency	Type	Name	Notes
Jackson	MDNR	WMA	Caraway WMA - Main Unit	208 acres, a mixture of grassland, wetland, and woodland habitat types typical of southwestern Minnesota; contains a large wetland and abundant upland areas ideal for both waterfowl and upland game. From Lakefield, go 7 miles N on MN 86 then 3.5 miles E on TWP RD.
Jackson	MDNR	WMA	Cotton-Jack WMA	255 acres, From Heron Lake, go 2 miles W on CSAH 24 then 4 1/4 miles N and W on CSAH 7
Jackson	MDNR	WMA	Crosse WMA	67 acres, From Heron Lake, go 1 mile W on CSAH 24.
Jackson	MDNR	WMA	Dead Horse WMA	40 acres, seeded entirely to native grasses, From Jackson, go 6 miles W on County Hwy 34 then 1/2 miles S on Twp Rd to the WMA on the W side of the road.
Jackson	MDNR	WMA	Graham Creek WMA	90 acres, From Heron Lake, go 2 miles W on CR 24 then 1 mile S on CSAH 7 then 2 miles W on Township Road
Jackson	MDNR	WMA	Heron Lake WMA - North Heron Unit	238 acres, From Heron Lake, go 1 mile S on CSAH 9 then 3/4 mile E on twp rd
Jackson	MDNR	WMA	Heron Lake WMA - North Marsh Unit	176 acres, From Heron Lake, go 1 mile S on CSAH 9 then 3/4 E on twp rd
Jackson	MDNR	WMA	Heron Lake WMA - South Heron Unit	55 acres, From Lakefield, go 3 miles W on CSAH 20 to the WMA on the E (right) side of the road.
Jackson	MDNR	WMA	Heron Lake WMA - West Heron Unit	142 acres, From Okabena, go 2 miles S on CSAH 20 then 1.5 miles E on Twp rd
Jackson	MDNR	WMA	Heron Meadows WMA	200 acres, From Heron Lake, go 1 mile S on CSAH 9 then 1/2 mile W on TR
Jackson	MDNR	WMA	Husen WMA	79 acres, From Lakefield, go 4 miles S on MN 86 then 1 mile W on CR 34 then 1/2 mile S on Twp Rd
Jackson	MDNR	WMA	Illinois Lake WMA	107 acres, From Sioux Valley, go 4.5 miles W on CSAH 4.
Jackson	MDNR	WMA	Laurs Lake WMA	266 acres, From Bergen, go 1 mile W on CR 30 then 1 mile N on US 71.
Jackson	MDNR	WMA	Libra WMA	29 acres, From Heron Lake, go 3 miles W on CR 24
Jackson	MDNR	WMA	Lillegard WMA	38 acres, From Wilder, go 1.5 miles S on MN 86 then 3.5 miles E on CR 82
Jackson	MDNR	WMA	Little Sioux WMA	306 acres, From Lakefield, go 8 miles S on MN 86 then 1 mile W on CR 66.
Jackson	MDNR	WMA	Minneota WMA	173 acres, From Lakefield, go 11 miles S on MN 86 then 1 mile W on Township Road

TABLE O26: ENVIRONMENTALLY SENSITIVE AREAS – MINNESOTA

County	Agency	Type	Name	Notes
Jackson	MDNR	WMA	Oxbow WMA	236 acres, From Heron Lake, go 3 miles SW on MN 60 then 3 miles W on CR 63
Jackson	MDNR	WMA	Pavelko WMA	58 acres, From Lakefield, go 8 miles S on MN 86 then 2 miles E and S on CR 66.
Jackson	MDNR	WMA	Pletz Slough WMA	118 acres, From Lakefield, go 7 miles S on MN 86 then 1/2 mile W on TWP RD
Jackson	MDNR	WMA	Round Lake WMA	38 acres, From Round Lake, go 3 miles E and N on MN 264.
Jackson	MDNR	WMA	Sangl WMA	342 acres, From Lakefield, go 9.5 miles S on MN 86.
Jackson	MDNR	WMA	Sioux Valley WMA	403 acres, From Sioux Valley, go 1 mile S on CR 9 then 1 mile E on Twp Rd
Jackson	MDNR	WMA	Skunk Lake WMA	238 acres, mostly emergent wetlands on the south shore of Skunk Lake, From Sioux Valley, go 2.5 miles E on CSAH 4 then 1.5 miles S on Township Road
Jackson	MDNR	WMA	Summers WMA - Clear Lake Unit	1 acre, From Jackson, go 1.5 miles W on County Rd 14, then 3.5 mi W on CR Rd 10 to the WMA on the N side of the road.
Jackson	MDNR	WMA	Summers WMA - Main Unit	162 acres, From Lakefield, go 3 miles S on MN 86 then 1 mile W on CSAH 34 then 1.25 mile N on Township Road
Jackson	MDNR	WMA	Teal Lake WMA	126 acres, contains a mixture of grassland, wetland, and woodland habitat types typical of southwestern Minnesota, From Wilder, go 3.5 miles S on CR Rd 86, then 1/2 miles W on Twp Rd to the WMA on the S side of the road.
Jackson	MDNR	WMA	Timber Lake WMA	916 acres, consists of 3 separate tracts of land, all of which are a grassland/wetland complex with some forested areas. The two largest tracts are along the north and southeast shores of Timber Lake. The third, smaller tract lies to the sw of Wilder. From Wilder, go 1 mile S on CR 86, A portion of this area is closed to firearms deer hunting (as posted).
Jackson	MDNR	WMA	Toe WMA	342 acres, From Lakefield, go 2.5 miles E on CSAH 14 then 1/2 mile N on Township Road
Jackson	MDNR	WMA	Valleau WMA	309 acres, From Heron Lake, go 1 mile SW on MN 60.
Jackson	MDNR	WMA	Wilder WMA	4 acres, small forested unit along the south shore of String Lake, From Wilder, go 1 mile N on Co 13 then 1/2 mile E on Twp Rd

TABLE O26: ENVIRONMENTALLY SENSITIVE AREAS – MINNESOTA

County	Agency	Type	Name	Notes
Jackson	MDNR	WMA	Winkler WMA	78 acres, From Heron Lake, go 2 miles N on CSAH 9 then 1/2 mile W and 1/2 mile N on Twp roads
Jackson	MDNR	State Park	Kilen Woods State Park	From the town of Lakefield, go 4 miles north on Hwy. 86 until you hit the junction of 86 and County Road 24. Then go 5 miles east on County Road 24 to the park.
Jackson	MDNR	Scientific and Natural Area (SNA)	Prairie Bush Clover SNA	Located within Kilen Woods State Park.
Jackson	MDNR	SNA	Des Moines River SNA	245.8 acres, From Windom 3 miles SE on US 71, then 2.5 miles S on Co Hwy 79. Park in pull-off on W. Hike corridor 0.25 miles W to site – or – From Windom 3 miles SE on US 71, then 3 miles S on Co Hwy 79, then 0.9 mile W on Co Rd 30. Park in water access on N. Hike NE into site.
Jackson	Jackson County	County Park	Robertson Park	46-acre park located on the east shore of Loon Lake
Jackson	Jackson County	County Park	Brown Park	15-acre park is located on the shores of both Pearl and Loon lakes
Jackson	Jackson County	County Park	Anderson Park	5-acre park is located on the west shore of Pearl Lake
Jackson	Jackson County	County Park	Sandy Point Park	
Jackson	Jackson County	County Park	Brown Park South	
Jackson	Jackson County	County Park	Belmont Park	80-acre park, located on the east bank of the Des Moines River
Jackson	Jackson County	County Park	Obie Knutson Park	Small park located on the south side of Fish Lake, adjacent to a state-owned public access
Jackson	Jackson County	County Park	Community Point	five-acre park located on the east shores of South Heron Lake
Jackson	Jackson County	County Park	Sparks Park	40-acre parcel, serves as the home base for the Prairie Ecology Bus Center, which offers environmental education for both children and adults.
Nobles	Nobles County Parks Department (NCPD)	County Park	Hawkeye County Park	On Indian Lake. 5.4 Developed acres, 35.7 undeveloped acres
Nobles	NCPD	County Park	Midway County Park	45 undeveloped acres
Nobles	NCPD	County Park	Sportsman County Park	Lake access with 6.6 undeveloped acres

TABLE O26: ENVIRONMENTALLY SENSITIVE AREAS – MINNESOTA

County	Agency	Type	Name	Notes
Nobles	NCPD	County Park	Sunrise Prairie County Park	Historic pioneer cemetery, original prairie grass area, 22 acres undeveloped.
Nobles	MDNR	SNA	Compass Prairie SNA	From Worthington 7 miles SW on MN Hwy 60, then 3 miles W on Co Hwy 6, then 1 mile N on Co Hwy 9, then 1.5 miles W Co Rd 56 (290th St). Park on N road shoulder. No maintained trails, no hunting.
Nobles	MDNR	WMA	Aid-pit WMA	5 miles N, 0.5 mile W of Ellsworth
Nobles	MDNR	WMA	Van Drie Ridge WMA	3.5 miles NE of Adrian
Nobles	MDNR	WMA	Ells-pit WMA	1.5 miles N, 0.5 mile W of Ellsworth
Nobles	MDNR	WMA	Sherwood WMA	4.5 miles N of Ellsworth
Nobles	MDNR	WMA	Lambert Heikes WMA	1.5 miles N, 2 miles E, 0.5 mile N of Ellsworth
Nobles	MDNR	WMA	Bigelow WMA	0.5 mile NW of Bigelow
Nobles	MDNR	WMA	Lake Bella WMA	4 miles E of Bigelow
Nobles	MDNR	WMA	Wachter WMA	4 miles E, 2 miles N of Bigelow
Nobles	MDNR	WMA	Peterson WMA	3 miles E, 3 miles N of Bigelow
Nobles	MDNR	WMA	John Erickson WMA	4 miles E, 3 miles N of Bigelow
Nobles	MDNR	WMA	James Willey WMA	5 miles E, 4 mile N of Bigelow
Nobles	MDNR	WMA	Bluebird Prairie WMA	4 miles N, 1 mile E of Rushmore
Nobles	MDNR	WMA	Herlein-boote WMA	3 miles N, 3 miles W of Worthington
Nobles	MDNR	WMA	West Graham WMA	4.5 miles S, 3 miles E of Fulda
Nobles	MDNR	WMA	Fred Hoffenkamp WMA	10 miles N, 4.5 miles E of Worthington
Nobles	MDNR	WMA	Lone Tree WMA	4.5 miles S, 1.5 miles E of Fulda
Nobles	MDNR	WMA	Stable Banks WMA	6.5 miles S, 4 miles W of Fulda
Nobles	MDNR	WMA	Einck WMA	8.5 miles S, 2 miles W of Iona
Nobles	MDNR	WMA	Groth WMA	9.5 miles. S of Iona
Nobles	MDNR	WMA	Swessinger WMA	1.5 miles S of Fulda
Nobles	MDNR	WMA	Scheuring WMA	9 miles W, 2 miles S of Fulda
Nobles	MDNR	WMA	Eagle Lake WMA	3 miles W, 2 miles S of Dundee
Pipestone	NPS	National Monument	Pipestone National Monument	282 acres native tall grass prairie and woodland surrounding American Indian pipestone quarries. Directly W of Pipestone on U.S. 75.
Pipestone	MDNR	State Park	Split Rock Creek State Park	In the Coteau des Prairies Landscape region. 7 miles SW of Pipestone, off State Hwy 23.
Pipestone	MDNR	WMA	Poplar Creek WMA	3.5 miles W of Edgerton
Pipestone	MDNR	WMA	Jasper WMA	3.5 miles S of Ihlen
Pipestone	MDNR	WMA	Eden WMA	1 mile S, 2 miles E of Ihlen
Pipestone	MDNR	WMA	Ringneck Ridge WMA	0.5 mile S. of Ihlen
Pipestone	MDNR	WMA	Burke WMA	3.5 miles E of Hatfield
Pipestone	MDNR	WMA	Pipestone WMA	2 miles N, 0.5 mile W of Pipestone
Pipestone	MDNR	WMA	Terrace WMA	4 miles W, 1 mile N of Woodstock

TABLE O26: ENVIRONMENTALLY SENSITIVE AREAS – MINNESOTA

County	Agency	Type	Name	Notes
Pipestone	MDNR	WMA	Buffalo Ridge SNA	2 miles E, 2 mile N of Holland
Pipestone	MDNR	WMA	Troy WMA	7 miles N of Pipestone
Pipestone	MDNR	WMA	Winter WMA	9 miles N of Pipestone
Pipestone	MDNR	WMA	Altona WMA	13 miles N, 1 mile E of Pipestone
Rock	MDNR	Topeka shiner Critical Habitat	Rock River Watershed	Extends from state border North to Ash Creek at County Road 1/9 (41st Street). This is within Big John's WMA and Clinton 25 Site
Rock	MDNR	Topeka shiner Critical Habitat	Kanaranzi Creek within the Kanaranzi 36 Site	Extends from the state border NE to the Rock/Nobles County line.
Rock	MDNR	WMA	Big John's WMA	134 acres with moderate biodiversity significance between 140th Street and 150th Street at the state border.
Rock	MDNR	WMA	Kanaranzi 36 Site	1,232 acres the state border between 170th Street and the Nobles County line
Rock	MDNR	WMA	Little Beaver Creak WMA	85 acres of moderate biological diversity at 151st Street and 100 Avenue 4 miles NW of Luverne.
Rock	MDNR	State Park	Blue Mounds State Park	1,826 acres of tall grass prairie with abundant rock outcrops; outstanding biodiversity significance. 2 miles N of Luverne off U.S. Hwy 75
Rock	MDNR	WMA	Rock River WMA	3 miles E of Luverne
Rock	MDNR	WMA	Luverne Pit WMA	SE of Luverne on S side of I-90
Rock	MDNR	WMA	P.F. Mulder WMA	3.5 miles S, 1 mile E of Luverne

TABLE O27: ENVIRONMENTALLY SENSITIVE AREAS – NEBRASKA

County	Agency	Type	Name	Notes
Various counties	NPS	National Historic Trail	California National Historic Trail	General route began at various jumping off points in MO, including Independence and St. Joseph, and headed westward following the routes of the Oregon and Santa Fe Trails through KS and the Platte River through NE.
Various counties	NPS	National Historic Trail	Lewis and Clark National Historic Trail	Generally follows the Missouri River
Various counties	NPS	National Historic Trail	Mormon Pioneer National Historic Trail	Generally follows the Platte River on N side of the channel, from near Omaha to Scotts Bluff in western Nebraska.
Various counties	NPS	National Historic Trail	Oregon National Historic Trail	Enters southeast Nebraska west of Odell, and generally follows the Blue River to Ayr. Then the trail cuts NW toward Kearney and the Platte River, which it follows westward to Scotts Bluff. The trail generally follows the south side of the channel. West of Ogallala, a portion of the trail follows the S. Platte and the route of I-80 to Sydney, before cutting N again along the route of US-385 back toward the N. Platte.
Various counties	NPS	National Historic Trail	Pony Express National Historic Trail	Most of original trail has been obliterated through time. Some Pony Express Stations still exist. Trail started in Independence, MO, and went generally westward to San Francisco, CA, following the Platte River.
Burt	Nebraska Game & Parks Commission (NGPC)	SRA	Pelican Point SRA	36 acres adjacent to the Missouri River. 12 miles NE of Tekamah
Burt	NGPC	SRA	Summit Lake SRA	190-acre Natural Resources lake with 345 acres of land. 2 miles W of Tekamah
Burt	NGPC	WMA	Middle Decatur Bend WMA	133 acres timber and pasture. 4 miles E of Decatur
Burt	USFWS	Sensitive Habitat	Pallid Sturgeon	From river mile marker 694.7 to 686
Cedar	USFWS	Sensitive Habitat	Interior Least Tern	Many areas along the river running the length of the county.
Cedar	USFWS	Sensitive Habitat	Pallid Sturgeon	Multiple locations on Missouri River
Cedar	USFWS	Critical Habitat	Scaleshell Mussel	From Gavins Point Dam to 2 miles down-stream of the dam.
Cedar	USFWS	Sensitive Habitat	Piping Plover	From S.D. border to river mile 252.2 (at Ponca)
Cedar	NGPC	WMA	Antelope Creek Fish Hatchery	6 miles N of Fordyce.

TABLE O27: ENVIRONMENTALLY SENSITIVE AREAS – NEBRASKA

County	Agency	Type	Name	Notes
Cedar	NGPC	WMA	Wiseman WMA	379 acres pasture and timber. 7 miles NE of Wynot.
Cedar	NGPC	WMA	Tatanka WMA	Lies on the Knox/Cedar County line directly S of Gavins Point Dam.
Cedar	NGPC	WMA	Chalkrock WMA	130-acre tract 3.5 miles SSW of South Yankton, NE.
Cedar	NPS	National Recreational River	Missouri River	Gavin's Point Dam downstream to Dixon County line
Dakota	USFWS	Pallid Sturgeon Sensitive Habitat	Missouri River	From river mile marker 742 to 730.
Dakota	NGPC	WMA	Basswood Ridge WMA	360 acres pasture and timber. 2 miles NW of Homer.
Dakota	NGPC	WMA	Omadi Bend WMA	33 acres pasture and water. 2 miles E, 1 mile N of Homer
Dixon	USFWS	Sensitive Habitat	Piping Plover	From SD border to river mile 753 at Ponca State Park.
Dixon	USFWS	Sensitive Habitat	Interior Least Tern	Many areas along the river running the length of the county.
Dixon	USFWS	Sensitive Habitat	Pallid Sturgeon	From the Dixon/Cedar County Line to Ponca State Park
Dixon	USFWS	Sensitive Habitat	Scaleshell Mussel	Medium-sized and large rivers with stable channels and good water quality.
Dixon	NGPC	State Park	Ponca SP	892 heavily forested acres on high bluffs & steep hills along the W. bank of the Missouri, adjacent to the Missouri National Recreational River (Lewis & Clark Lake)
Dixon	NGPC	WMA	Buckskin Hills WMA	340 acres pasture and water. 5.5 miles SW of Newcastle.
Dixon	NGPC	WMA	Mulberry Bend WMA	River mile 775.2
Dixon	NGPC	WMA	Elk Point Bend WMA	River mile 760 to 756, 2 miles N of Ponca SP.
Dixon	NPS	National Recreational River	Missouri River	From Cedar County line downstream to Ponca State Park (NE)
Knox	NGPC	State Park	Niobrara SP	River mile 847 to 843, with 1,640 acres of land and 7 acres of water.
Knox	NGPC	WMA	Verdel Landing WMA	9 acres at river mile 851.5 adjoining an SRA.
Knox	NGPC	WMA	Bohemia Prairie WMA	680 acres of mainly grasslands with some woods and two ponds
Knox	USACE	WMA	Bazile Creek WMA	From river mile 838 to 839, the WMA has 4,919 acres of land and water under the primary jurisdiction of USACE in the Gavins Point Dam and Lewis & Clark Lake Area

TABLE O27: ENVIRONMENTALLY SENSITIVE AREAS – NEBRASKA

County	Agency	Type	Name	Notes
Knox	NGPC	SRA	Ferry Landing SRA	26 acres at river mile 841
Knox	Bureau of Indian Affairs (BIA)	Indian Reservation	Santee Sioux Reservation	Extends from river mile 840 to 827 (Sand Islands). Santee Recreational Park lies at river mile 830.
Knox	USACE / NGPC	SRA	Lewis and Clark SRA	Extends from river mile 838 to 811 at Gavins Point Dam
Knox	USFWS	Sensitive Habitat	Piping Plover	From SD border to river mile 753 at Ponca State Park.
Knox	USFWS	Sensitive Habitat	Interior Least Tern	Many areas along the river extending into the interior of the county several miles
Knox	USFWS	Sensitive Habitat	Pallid Sturgeon	Various locations extending the length of the Missouri
Knox	USFWS	Migratory Corridor	Whooping Crane	Runs north to south over the extreme western portion of the county.
Knox	USFWS	Sensitive Habitat	American Burying Beetle	Found in most of county including areas along Missouri River
Thurston	BIA	Indian Reservation	Omaha Indian Reservation	Lies primarily in the southern part of Thurston County and northeastern Cuming County, NE, but small parts extend into the northeast corner of Burt County and across the Missouri River into Monona County, IA. Total land area of 307 sq miles
Thurston	BIA	Indian Reservation	Winnebago Indian Reservation	120,000 acres of cropland, woodland, and pasture in the northern half of Thurston County. The Missouri River on the east and the Dakota-Thurston County line to the north.
Wayne	NGPC	WMA	Sioux Strip WMA	A strip of land 200 feet in width 6 miles NW of Carroll.
Wayne	NGPC	WMA	Thompson-Barnes WMA	4 miles N of Wayne, 160 acres of primarily switch grass and smooth brome.

TABLE O28: ENVIRONMENTALLY SENSITIVE AREAS – SOUTH DAKOTA

County	Agency	Type	Name	Notes
Various counties	NPS	National Historic Trail	Lewis and Clark National Historic Trail	Generally follows the Missouri River
Clay	NPS	National Recreational River	Missouri National Recreational River	Lower 59 mile reach, from Gavins Point Dam to Ponca, NE
Clay	TNC	Preserve	Vermillion Prairie	22 acres hillside prairie. 1.2 miles N of Vermillion on Hwy 19, then 11.7 miles W
Clay	South Dakota Game, Fish, and Parks (SDGFP)	State Park	Spirit Mound Historic Prairie	320 acres. 5 miles N of Vermillion off SD Hwy 19
Clay	USFWS	Sensitive Habitat	Piping Plover	River mile 790 to 767 inland
Clay	USFWS	Sensitive Habitat	Least Tern	Missouri River, may nest on sandbars with sparse vegetation
Clay	USFWS	Sensitive Habitat	Pallid Sturgeon	Missouri River mile 791 to 767, may nest on sandbars with sparse vegetation
Clay	USFWS	Sensitive Habitat	Topeka Shiner	Vermillion River from 300th Street to 304th Street
Clay	SDGFP	Lakeside Use Area	Clay County Park	120 acre park along the Missouri River, 3 miles southwest of Vermillion off SD50
Lincoln	TNC	Preserve	Wilson Savanna	160 acres prairie ridges interspersed with draws containing eastern deciduous forest species. 0.5 mile N and 1 mile W of Hudson.
Lincoln	SDGFP	State Park	Lake Alvin SRA	Forested area. 4 miles E, 1 mile N of Harrisburg, off County 135
Lincoln	SDGFP	State Park	Newton Hills State Park	6 miles S of Canton, off County 135
Lincoln	USFWS	Sensitive Habitat	Pallid Sturgeon	Big Sioux River
Lincoln	USFWS	Sensitive Habitat	Topeka Shiner	Vermillion River tributaries and Big Sioux River
Lincoln	SDGFP	State Park	Good Earth State Park at Blood Run	588 acre park along the Big Sioux River, approx. 12 miles E of Sioux Falls on 270th St
Minnehaha	USFWS	Sensitive Habitat	Topeka Shiner	Big Sioux River and its tributaries
Minnehaha	TNC	Preserve	Makoce Washte	40 acres of big bluestem prairie. 9.5 miles W of intersection of I-29 & Hwy 42.
Minnehaha	SDGFP	SRA	Big Sioux SRA	On banks of Big Sioux River. 4 Miles SE of Brandon off I-90 Exit 406
Minnehaha	SDGFP	State Nature Area	Beaver Creek Nature Area	5 miles SE of Brandon off I-90, Exit 406
Minnehaha	SDGFP	State Park	Palisades State Park	10 miles N of I-90, Brandon Exit, 406.
Union	SDGFP	State Park	Adams Homestead & Nature Preserve	1500 acres along the Missouri River. 2 miles SW of McCook Lake, Exit 4 off I-29

TABLE O28: ENVIRONMENTALLY SENSITIVE AREAS – SOUTH DAKOTA

County	Agency	Type	Name	Notes
Union	SDGFP	State Park	Union Grove State Park	150 acres of rolling hills covered with lush native plants. 11 miles S. of Beresford, off I-29
Union	NPS	National Recreational River	Missouri National Recreational River	Lower 59-mile reach, from Gavins Point Dam to Ponca, NE.
Union	USFWS	Sensitive Habitat	Piping Plover	Missouri River mile 764 to 753, may nest on sandbars with sparse vegetation
Union	USFWS	Sensitive Habitat	Least Tern	Missouri River mile 764 to 755, may nest on sandbars with sparse vegetation
Union	USFWS	Sensitive Habitat	Pallid Sturgeon	Missouri River mile 767 to 753, Big Sioux River
Yankton	USFWS	Sensitive Habitat	Piping Plover	Missouri River mile 809 to 791, may nest on sandbars with sparse vegetation
Yankton	USFWS	Sensitive Habitat	Least Tern	Missouri River mile 809 to 791, may nest on sandbars with sparse vegetation
Yankton	USFWS	Sensitive Habitat	Pallid Sturgeon	River Mile 811 to 791 and the James River south of Whiting Drive
Yankton	SDGFP	SRA	Pierson Ranch Recreational Area	Near Gavins Point Dam. 4 miles SW of Yankton off SD Hwy 52.
Yankton	SDGFP	SRA	Chief White Crane Recreational Area	On Missouri River, Lake Yankton. Bald eagle roosts. 5 miles SW of Yankton off SD Hwy 52
Yankton	SDGFP	SRA	Lewis & Clark SRA	4 miles W. of Yankton off SD Hwy 52
Yankton	NPS	National Recreational River	Missouri National Recreational River	Lower 59-mile reach, from Gavins Point Dam to Ponca, NE
Yankton	USFWS	National Fish Hatchery	Gavin's Point National Fish Hatchery & Aquarium	On Missouri River, near Lewis & Clark Recreational Area

APPENDIX P: ENDANGERED AND THREATENED SPECIES

TABLE P29: ENDANGERED AND THREATENED SPECIES – IOWA

COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Buena Vista	Bald Eagle (*Haliaeetus leucocephalus*)	Bird	SC	None
Buena Vista	Barn Owl (*Tyto alba*)	Bird	E	None
Buena Vista	Blacknose Shiner (*Notropis heterolepis*)	Fish	T	None
Buena Vista	Blanding's Turtle (*Emydoidea blandingii*)	Reptile	T	None
Buena Vista	Brook Lobelia (*Lobelia kalmia*)	Plant	SC	None
Buena Vista	Creeper (*Strophitus undulates*)	Mussel	T	None
Buena Vista	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Buena Vista	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Buena Vista	Regal Fritillary (*Speyeria idalia*)	Insect	SC	None
Buena Vista	Shining Willow (*Salix lucida*)	Plant	T	None
Buena Vista	Spotted Skunk (*Spilogale putorius*)	Mammal	E	None
Buena Vista	Topeka shiner (*Notropis Topeka*)	Fish	—	E
Buena Vista	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
Cherokee	Bald eagle (*Haliaeetus leucocephalus*)	Bird	SC	None
Cherokee	Hickory hairstreak (*Satyrium caryaevorum*)	Insect	SC	None
Cherokee	Leafy northern green orchid (*Platanthera hyperborean*)	Plant	T	None
Cherokee	Mulberry wing (*Poanes massosoit*)	Insect	T	None
Cherokee	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Cherokee	Prairie bush clover (*Lespedeza leptostachya*)	Plant	None	T
Cherokee	Prairie Moonwort (*Botrychium campestre*)	Plant	SC	None
Cherokee	Regal frittilary (*Speyeria idalia*)	Insect	SC	None
Cherokee	Silvery blue (*Glaucopsyche lygdamus*)	Insect	T	None
Cherokee	Small white lady's slipper (*Cypripedium candidum*)	Plant	SC	None
Cherokee	Two-spotted Skipper (Euphyes bimacula)	Insect	SC	None
Cherokee	Water parsnip (*Berula erecta*)	Plant	T	None
Cherokee	Western Parsley (*Lomatium orientale*)	Plant	T	None
Cherokee	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
Cherokee	Wild indigo dusky wing (*Erynnis baptisiae*)	Insect	SC	None
Cherokee	Wooly milkweed (*Asclepias lanuginose*)	Plant	T	None
Cherokee	Yellow monkey flower (*Mimulus glabratus*)	Plant	T	None
Clay	Alkali muhly (*Muhlenbergia asperifolia*)	Plant	SC	None
Clay	Arogos skipper (*Atrytone arogos*)	Insect	SC	None
Clay	Arrow grass (*Triglochin maritimum*)	Plant	T	None
Clay	Bald eagle (*Haliaeetus leucocephalus*)	Bird	SC	None
Clay	Beakrush (*Rhynchospora capillacea*)	Plant	T	None
Clay	Blacknose shiner (*Notropis heterolepis*)	Fish	T	None
Clay	Blanding's turtle (*Emydoidea blandingii*)	Reptile	T	None
Clay	Blue giant hyssop (*Agastache foeniculum*)	Plant	E	None
Clay	Broadleaf water-milfoil (*Myriophyllum heterophyllum*)	Plant	SC	None

Notes & Disclaimer: Candidate (C) Endangered (E) Proposed threatened/endangered (P) Threatened (T) Special concern (SC) Not recognized by the state to be present in the county (—)

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TABLE P29: ENDANGERED AND THREATENED SPECIES – IOWA

COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Clay	Broad-winged skipper (*Poanes viator*)	Insect	SC	None
Clay	Brook lobelia (*Lobelia kalmia*)	Plant	SC	None
Clay	Buckbean (*Menyanthes trifoliate*)	Plant	T	None
Clay	Coast-blite goosefoot (*Chenopodium rubrum*)	Plant	SC	None
Clay	Common mare's-tail (*Hippuris vulgaris*)	Plant	SC	None
Clay	Crawe sedge (*Carex crawei*)	Plant	SC	None
Clay	Cylindrical papershell (*Anodontoides ferussacianus*)	Mussel	T	None
Clay	Dry-spike sedge (*Carex foenea*)	Plant	SC	None
Clay	Earleaf foxglove (*Tomanthera auriculata*)	Plant	SC	None
Clay	Fineberry hawthorn (*Crataegus chrysocarpa*)	Plant	SC	None
Clay	Flat top white aster (*Aster pubentior*)	Plant	SC	None
Clay	Flatleaf bladderwort (*Utricularia intermedia*)	Plant	SC	None
Clay	Forster's tern (*Sterna forsteri*)	Bird	SC	None
Clay	Fragrant false indigo (*Amorpha nana*)	Plant	T	None
Clay	Great plains ladies'-tresses (*Spiranthes magnicamporum*)	Plant	SC	None
Clay	King rail (*Rallus elegans*)	Bird	E	None
Clay	Leafy northern green orchid (*Platanthera hyperborean*)	Plant	T	None
Clay	Lesser bladderwort (*Utricularia minor*)	Plant	SC	None
Clay	Low nut rush (*Scleria verticillata*)	Plant	T	None
Clay	Mulberry wing (*Poanes Massasoit*)	Insect	T	None
Clay	Northern harrier (*Circus cyaneus*)	Bird	E	None
Clay	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Clay	Panic-grass (*Panicum gattingeri*)	Plant	SC	None
Clay	Philadelphia panic grass (*Panicum philadelphicun*)	Plant	T	None
Clay	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Clay	Ragwort (*Senecio pseudaureus*)	Plant	SC	None
Clay	Regal fritillary (*Speyeria idalia*)	Insect	SC	None
Clay	Shadbush (*Amelanchier sanguinea*)	Plant	SC	None
Clay	Shining willow (*Salix lucida*)	Plant	T	None
Clay	Showy milkweed (*Asclepias speciosa*)	Plant	T	None
Clay	Slender arrow grass (*Triglochin palustris*)	Plant	T	None
Clay	Small fringed gentian (*Gentianopsis procera*)	Plant	SC	None
Clay	Small spikerush (*Eleocharis parvula*)	Plant	SC	None
Clay	Small white lady's slipper (*Cypripedium candidum*)	Plant	SC	None
Clay	Smooth green snake (*Liochlorophis vernalis*)	Reptile	SC	None
Clay	Straight-leaf pondweed (*Potamogeton strictifolius*)	Plant	SC	None
Clay	Tall cotton grass (*Eriophorum angustifolium*)	Plant	SC	None
Clay	Toad rush (*Juncus bufonius*)	Plant	SC	None
Clay	Water parsnip (*Berula erecta*)	Plant	T	None
Clay	Western parsley (*Lomatium orientale*)	Plant	T	None
Clay	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T

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TABLE P29: ENDANGERED AND THREATENED SPECIES – IOWA

COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Clay	White prairie aster (*Aster falcatus*)	Plant	SC	None
Clay	White water crowfoot (*Ranunculus circinatus*)	Plant	SC	None
Clay	Wooly milkweed (*Asclepias lanuginose*)	Plant	T	None
Dickinson	Alkali muhly (*Muhlenbergia asperifolia*)	Plant	SC	None
Dickinson	Alpine rush (*Juncus alpinus*)	Plant	SC	None
Dickinson	Arogos skipper (*Atrytone arogos*)	Insect	SC	None
Dickinson	Arrow grass (*Triglochin maritimum*)	Plant	T	None
Dickinson	Bald eagle (*Haliaeetus leucocephalus*)	Bird	SC	None
Dickinson	Barn owl (*Tyto alba*)	Bird	E	None
Dickinson	Beakrush (*Rhynchospora capillacea*)	Plant	T	None
Dickinson	Black tern (*Chlidonias niger*)	Bird	SC	None
Dickinson	Blacknose shiner (*Notropis heterolepis*)	Fish	T	None
Dickinson	Blanding's turtle (*Emydoidea blandingii*)	Reptile	T	None
Dickinson	Blue giant hyssop (*Agastache foeniculum*)	Plant	E	None
Dickinson	Broadleaf water-milfoil (*Myriophyllum heterophyllum*)	Plant	SC	None
Dickinson	Broad-winged skipper (*Poanes viator*)	Insect	SC	None
Dickinson	Brook lobelia (*Lobelia kalmia*)	Plant	SC	None
Dickinson	Buckbean (*Menyanthes trifoliate*)	Plant	T	None
Dickinson	Byssus skipper (*Problema byssus*)	Insect	T	None
Dickinson	Clustered broomrape (*Orobanche fasciculate*)	Plant	E	None
Dickinson	Clustered poppy-mallow (*Callirhoe alcaeoides*)	Plant	T	None
Dickinson	Coast-blite goosefoot (*Chenopodium rubrum*)	Plant	SC	None
Dickinson	Common mare's-tail (*Hippuris vulgaris*)	Plant	SC	None
Dickinson	Crowfoot (*Ranunculus gmelinii*)	Plant	SC	None
Dickinson	Dakota skipper (*Hesperia dacotae*)	Insect	E	C
Dickinson	Dion skipper (*Euphyes dion*)	Insect	SC	None
Dickinson	Dusted skipper (*Atrytonopsis hianna*)	Insect	SC	None
Dickinson	Earleaf foxglove (*Tomanthera auriculata*)	Plant	SC	None
Dickinson	Edwards' hairstreak (*Satyrium edwardsii*)	Insect	SC	None
Dickinson	Fewflower spikerush (*Eleocharis pauciflora*)	Plant	SC	None
Dickinson	Flat top white aster (*Aster pubentior*)	Plant	SC	None
Dickinson	Forster's tern (*Sterna forsteri*)	Bird	SC	None
Dickinson	Fragrant false indigo (*Amorpha nana*)	Plant	T	None
Dickinson	Glomerate sedge (*Carex aggregate*)	Plant	SC	None
Dickinson	Golden corydalis (*Corydalis aurea*)	Plant	T	None
Dickinson	Henslow's sparrow (*Ammodramus henslowii*)	Bird	T	None
Dickinson	Hooded ladies'-tresses (*Spiranthes romanzoffiana*)	Plant	T	None
Dickinson	Interrupted wildrye (*Elymus diversiglumis*)	Plant	SC	None
Dickinson	Kitten tails (*Besseya bullii*)	Plant	T	None
Dickinson	Large-leaf pondweed (*Potamogeton amplifolius*)	Plant	SC	None
Dickinson	Leafy northern green orchid (*Platanthera hyperborean*)		T	None

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TABLE P29: ENDANGERED AND THREATENED SPECIES – IOWA

COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Dickinson	Lesser bladderwort (*Utricularia minor*)	Plant	SC	None
Dickinson	Mulberry wing (*Poanes massasoit*)	Insect	T	None
Dickinson	Nodding thistle (*Cirsium undulatum*)	Plant	SC	None
Dickinson	Northern harrier (*Circus cyaneus*)	Bird	E	None
Dickenson	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Dickinson	Panic-grass (*Panicum gattingeri*)	Plant	SC	None
Dickinson	Philadelphia panic grass (*Panicum philadelphicum*)	Plant	T	None
Dickenson	Poweshiek skipperling (*Oarisma poweshiek*)	Insect	T	P
Dickinson	Prairie bulrush (*Scirpus maritimus*)	Plant	SC	None
Dickenson	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Dickinson	Prairie moonwort (*Botrychium campestre*)	Plant	SC	None
Dickinson	Pugnose shiner (*Notropis anogenus*)	Fish	E	None
Dickinson	Ragwort (*Senecio pseudaureus*)	Plant	SC	None
Dickinson	Rattle milk-vetch (*Astragalus adsurgens*)	Plant	SC	None
Dickinson	Regal fritillary (*Speyeria idalia*)	Insect	SC	None
Dickinson	Rush aster (*Aster junciformis*)	Plant	T	None
Dickinson	Sand cherry (*Prunus pumila*)	Plant	SC	None
Dickinson	Saskatoon service-berry (*Amelanchier alnifolia*)	Plant	SC	None
Dickinson	Shadbush (*Amelanchier sanguinea*)	Plant	SC	None
Dickinson	Shining willow (*Salix lucida*)	Plant	T	None
Dickinson	Showy milkweed (*Asclepias speciosa*)	Plant	T	None
Dickinson	Silverweed (*Potentilla anserine*)	Plant	T	None
Dickinson	Silvery blue (*Glaucopsyche lygdamus*)	Insect	T	None
Dickinson	Slender arrow grass (*Triglochin palustris*)	Plant	T	None
Dickinson	Slender cotton grass (*Eriophorum gracile*)	Plant	T	None
Dickinson	Slender sedge (*Carex tenera*)	Plant	SC	None
Dickinson	Slim-leaved panic grass (*Dichanthelium linearifolium*)	Plant	T	None
Dickinson	Small fringed gentian (*Gentianopsis procera*)	Plant	SC	None
Dickinson	Small white lady's slipper (*Cypripedium candidum*)	Plant	SC	None
Dickinson	Spear needlegrass (*Stipa comate*)	Plant	SC	None
Dickinson	Straight-leaf pondweed (*Potamogeton strictifolius*)	Plant	SC	None
Dickinson	Tall cotton grass (*Eriophorum angustifolium*)	Plant	SC	None
Dickinson	Toad rush (*Juncus bufonius*)	Plant	SC	None
Dickinson	Topeka Shiner (*Notropis Topeka*)	Fish	T	None
Dickinson	Water marigold (*Megalodonta beckii*)	Plant	E	None
Dickinson	Water milfoil (*Myriophyllum verticillatum*)	Plant	SC	None
Dickinson	Water parsnip (*Berula erecta*)	Plant	T	None
Dickinson	Water starwort (*Callitriche heterophylla*)	Plant	SC	None
Dickinson	Waterwort (*Elatine triandra*)	Plant	SC	None
Dickinson	Weed shiner (*Notropis texanus*)	Fish	E	None
Dickinson	Western parsley (*Lomatium orientale*)	Plant	T	None

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COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Dickenson	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
Dickinson	White-stem pondweed (*Potamogeton praelongus*)	Plant	SC	None
Dickinson	Widgeon-grass (*Ruppia cirrhosa*)	Plant	SC	None
Dickinson	Wild indigo dusky wing (*Erynnis baptisiae*)	Insect	SC	None
Dickinson	Wooly milkweed (*Asclepias lanuginose*)	Plant	T	None
Dickinson	Yellow monkey flower (*Mimulus glabratus*)	Plant	T	None
Dickinson	Yellow sandshell (*Lampsilis teres*)	Mussel	E	None
Harrison	Alpine rush (*Juncus alpinus*)	Plant	SC	None
Harrison	Annual skeletonweed (*Lygodesmia rostrata*)	Plant	E	None
Harrison	Bald eagle (*Haliaeetus leucocephalus*)	Bird	SC	None
Harrison	Barn owl (*Tyto alba*)	Bird	E	None
Harrison	Dusted skipper (*Atrytonopsis hianna*)	Insect	SC	None
Harrison	Frost grape (*Vitis vulpine*)	Plant	SC	None
Harrison	Golden corydalis (*Corydalis aurea*)	Plant	T	None
Harrison	Least tern (*Sterna antillarum*)	Bird	E	E
Harrison	Leonard's skipper (*Hesperia leonardus*)	Insect	SC	None
Harrison	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Harrison	Olympia marble (*Euchloe Olympia*)	Insect	SC	None
Harrison	Ottoe skipper (*Hesperia ottoe*)	Insect	SC	None
Harrison	Pallid Sturgeon (*Scaphirynchus albus*)	Fish	E	E
Harrison	Piping plover (*Charadrius melodus*)	Bird	E	T
Harrison	Plains pocket mouse (*Perognathus flavescens*)	Mammal	E	None
Harrison	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Harrison	Pretty dodder (*Cuscuta indecora*)	Plant	SC	None
Harrison	Prionopsis (*Prionopsis ciliate*)	Plant	SC	None
Harrison	Scarlet globe-mallow (*Sphaeralcea coccinea*)	Plant	T	None
Harrison	Sensitive briar (*Schrankia nuttallii*)	Plant	SC	None
Harrison	Silver buffalo-berry (*Shepherdia argentea*)	Plant	T	None
Harrison	Slender penstemon (*Penstemon gracilis*)	Plant	T	None
Harrison	Southern bog lemming (*Synaptomys cooperi*)	Mammal	T	None
Harrison	Spear needlegrass (*Stipa comate*)	Plant	SC	None
Harrison	Spreading yellow cress (*Rorippa sinuate*)	Plant	SC	None
Harrison	Spring ladies'-tresses (*Spiranthes vernalis*)	Plant	T	None
Harrison	Spurge (*Euphorbia missurica*)	Plant	SC	None
Harrison	Ten petaled mentzelia (*Mentzelia decapetala*)	Plant	SC	None
Harrison	Toad rush (*Juncus bufonius*)	Plant	SC	None
Harrison	Tumble grass (*Schedonnardus paniculatus*)	Plant	SC	None
Harrison	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
Ida	Barn Owl (*Tyto alba*)	Bird	E	None
Ida	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Ida	Prairie bush clover (*Lespedeza leptostachya*)	Plant	—	T

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COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Ida	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
Lyon	Alkali Muhly (*Muhlenbergia asperifolia*)	Plant	SC	None
Lyon	Arogos skipper (*Atrytone arogos*)	Insect	SC	None
Lyon	Bald eagle (*Haliaeetus leucocephalus*)	Bird	E	None
Lyon	Barn owl (*Tyto alba*)	Bird	E	None
Lyon	Beardtongue (*Penstemon albidus*)	Plant	SC	None
Lyon	Biscuit Root (*Lomatium foeniculaceum*)	Plant	E	None
Lyon	Blue giant hyssop (*Agastache foeniculum*)	Plant	E	None
Lyon	Blue mud-plantain (*Heteranthera limosa*)	Plant	SC	None
Lyon	Brittle prickly pear (*Opuntia fragilis*)	Plant	T	None
Lyon	Buffalo Grass (*Buchloe dactloides*)	Plant	SC	None
Lyon	Edwards' hairstreak (*Satyrium edwardsii*)	Insect	SC	None
Lyon	Fineberry hawthorn (*Crataegus chrysocarpa*)	Plant	S	None
Lyon	Fragrant false indigo (*Amorpha nana*)	Plant	T	None
Lyon	Frost grape (*Vitis vulpine*)	Plant	S	None
Lyon	Golden aster (*Heterotheca villosa*)	Plant	SC	None
Lyon	Hairy water-clover (*Marsilea vestita*)	Plant	T	None
Lyon	Ledge spikemoss (*Selaginella rupestris*)	Plant	SC	None
Lyon	Louisiana broomrape (*Orobanche ludoviciana*)	Plant	S	None
Lyon	Mulberry wing (*Poanes massosoit*)	Insect	T	None
Lyon	Narrow-leaved milkweed (*Asclepias stenophylla*)	Plant	E	None
Lyon	Northern harrier (*Circus cyaneus*)	Bird	E	None
Lyon	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Lyon	Olympia marble (*Euchloe Olympia*)	Insect	SC	None
Lyon	Oregon woodsia (*Woodsia oregano*)	Plant	T	None
Lyon	Pennsylvania cinquefoil (*Potentilla pensylvanica*)	Plant	T	None
Lyon	Plains bluegrass (*Poa arida*)	Plant	S	None
Lyon	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Lyon	Prairie sagewort (*Artemisia frigida*)	Plant	SC	None
Lyon	Pretty Dodder (*Cuscuta indecora*)	Plant	SC	None
Lyon	Regal frittilary (*Speyeria idalia*)	Insect	SC	None
Lyon	Ringlet (*Coenonympha tullia*)	Insect	E	None
Lyon	Sand cherry (*Prunus pumila*)	Plant	S	None
Lyon	Saskatoon service-berry (*amelanchier alnifolia*)	Plant	S	None
Lyon	Shadbush (*Amelanchier sanguinea*)	Plant	S	None
Lyon	Showy milkweed (*Asclepias speciosa*)	Plant	T	None
Lyon	Slender penstemon (*Penstemon gracilis*)	Plant	T	None
Lyon	Small-flowered fame flower (*Talinum parviflorum*)	Plant	T	None
Lyon	Spear needlegrass (*Stipa comate*)	Plant	S	None
Lyon	Spotted Skunk (*Spilogale putorius*)	Mammal	E	None
Lyon	Spreding yellow cress (*Rorippa sinuate*)	Plant	S	None

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COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Lyon	Topeka shiner (*Notropis topeka*)	Fish	T	E
Lyon	Tumblegrass (*Schedonnardus paniculatus*)	Plant	SC	None
Lyon	Western Parsley(*lomatium orientale*)	Plant	T	None
Lyon	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
Lyon	White water crowfoot (*Ranunculus circinatus*)	Plant	S	None
Lyon	Wooly milkweed (*Asclepias lanuginose*)	Plant	T	None
Monona	Alkali muhly (*Muhlenbergia asperifolia*)	Plant	SC	None
Monona	Arogos skipper (*Atrytone arogos*)	Insect	SC	None
Monona	Bald eagle (*Haliaeetus leucocephalus*)	Bird	SC	None
Monona	Barn Owl (*Tyto alba*)	Bird	E	None
Monona	Blue Mud-plantain (*Heteranthera limosa*)	Plant	SC	None
Monona	Dusted skipper (*Atrytonopsis hianna*)	Insect	SC	None
Monona	Flat Top White Aster (*Aster pubentior*)	Plant	SC	None
Monona	Glomerate Sedge (*Carex aggregata*)	Plant	SC	None
Monona	Grass Pickerel (*Esox americanus*)	Fish	T	None
Monona	Great Plains Ladies'-tresses (*Spiranthes magnicamporum*)	Plant	SC	None
Monona	Hickory hairstreak (*Satyrium caryaevorum*)	Insect	SC	None
Monona	Lance-leaf Scurf-pea (*Psoralidium lanceolatum*)	Plant	SC	None
Monona	Least Shrew (*Cryptotis parva*)	Mammal	T	None
Monona	Leonard's skipper (*Hesperia leonardus*)	Insect	SC	None
Monona	Narrow-leaved milkweed (*Asclepias stenophylla*)	Plant	E	None
Monona	Nodding Thistle (*Cirsium undulatum*)	Plant	SC	None
Monona	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Monona	Olympia marble (*Euchloe olympia*)	Insect	SC	None
Monona	Ornate box turtle (*Terrapene ornate*)	Reptile	T	None
Monona	Ottoe skipper (*Hesperia ottoe*)	Insect	SC	None
Monona	Pallid Sturgeon (*Scaphirynchus albus*)	Fish	E	E
Monona	Plains pocket mouse (*Perognathus flavescens*)	Mammal	E	None
Monona	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Monona	Prairie moonwort (*Botrychium campestre*)	Plant	SC	None
Monona	Prairie-tea (*Croton monanthogynus*)	Plant	SC	None
Monona	Ragwort (*Senecio pseudaureus*)	Plant	SC	None
Monona	Regal frittilary (*Speyeria idalia*)	Insect	SC	None
Monona	Scarlet Globe-mallow (*Sphaeralcea coccinea*)	Plant	T	None
Monona	Silver Buffalo-berry (*Shepherdia argentea*)	Plant	T	None
Monona	Slender Sedge (*Carex tenera*)	Plant	SC	None
Monona	Small White Lady's Slipper (*Cypripedium candidum*)	Plant	SC	None
Monona	Spreading Yellow Cress (*Rorippa sinuate*)	Plant	SC	None
Monona	Spring Ladies'-tresses (*Spiranthes vernalis*)	Plant	T	None
Monona	Toad Rush (*Juncus bufonius*)	Plant	SC	None
Monona	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T

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COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Monona	Wild indigo dusky wing (*Erynnis baptisiae*)	Insect	SC	None
O'Brien	Bald eagle (*Haliaeetus leucocephalus*)	Bird	SC	None
O'Brien	Barn owl (*Tyto alba*)	Bird	E	None
O'Brien	Black tern (*Chlidonias niger*)	Bird	SC	None
O'Brien	Broadleaf water-milfoil (*Myriophyllum heterophyllum*)	Plant	SC	None
O'Brien	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
O'Brien	Pennsylvania cinquefoil (*Potentilla pensylvanica*)	Plant	T	None
O'Brien	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
O'Brien	Prairie moonwort (*Botrychium campestre*)	Plant	SC	None
O'Brien	Regal frittilary (*Speyeria idalia*)	Insect	SC	None
O'Brien	Small white lady's slipper (*Cypripedium candidum*)	Plant	SC	None
O' Brien	Small fringed gentian (*Gentianopsis procera*)	Plant	S	None
O'Brien	Spear needlegrass (*Stipa comate*)	Plant	SC	None
O'Brien	Western parsley (*Lomatium orientale*)	Plant	T	None
O'Brien	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
O'Brien	Wooly milkweed (*Asclepias lanuginose*)	Plant	T	None
O'Brien	Yellow trout-lily (*Erythronium americanum*)	Plant	T	None
Osceola	Arogos skipper (*Atrytone arogos*)	Insect	SC	None
Osceola	Blacknose shiner (*Notropis heterolepis*)	Fish	T	None
Osceola	Blanding's turtle (*Emydoidea blandingii*)	Reptile	T	None
Osceola	Cylindrical papershell (*Anodontoides ferussacianus*)	Mussel	T	None
Osceola	Dion Skipper (*Euphyes dion*)	Insect	SC	None
Osceola	Fineberry Hawthorn (*Crataegus chrysocarpa*)	Plant	SC	None
Osceola	Hawksbeard (*Crepis runcinata*)	Plant	SC	None
Osceola	Leonard's skipper (*Hesperia leonardus*)	Insect	SC	None
Osceola	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Osceola	Poweshiek skipperling (*Oarisma Poweshiek*)	Insect	T	P
Osceola	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Osceola	Rattle milk-vetch (*Astragalus adsurgens*)	Plant	SC	None
Osceola	Regal frittilary (*Speyeria idalia*)	Insect	SC	None
Osceola	Ringlet (*Coenonympha tullia*)	Insect	E	None
Osceola	Slender arrow grass (*Triglochin palustris*)	Plant	T	None
Osceola	Small fringed gentian (*Gentianopsis procera*)	Plant	SC	None
Osceola	Spear needlegrass (*Stipa comate*)	Plant	SC	None
Osceola	Tall cotton grass (*Eriophorum angustifolium*)	Plant	SC	None
Osceola	Topeka shiner (*Notropis Topeka*)	Fish	T	E
Osceola	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
Plymouth	Annual Skeletonweed (*Lygodesmia rostrata*)	Plant	E	None
Plymouth	Arogos skipper (*Atrytone arogos*)	Insect	SC	None
Plymouth	Bald Eagle (*Haliaeetus leucocephalus*)	Bird	SC	None

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COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Plymouth	Barn Owl (*Tyto alba*)	Bird	E	None
Plymouth	Beardtongue (*Penstemon albidus*)	Plant	SC	None
Plymouth	Biscuit Root (*Lomatium foeniculaceum*)	Plant	E	None
Plymouth	Blacknose shiner (*Notropis heterolepis*)	Fish	T	None
Plymouth	Buffalo Grass (*Buchloe dactyloides*)	Plant	SC	None
Plymouth	Dusted skipper (*Atrytonopsis hianna*)	Insect	SC	None
Plymouth	Glomerate Sedge (*Carex aggregate*)	Plant	SC	None
Plymouth	Great plains lady's tresses (*Spiranthes magnicamporum*)	Plant	SC	None
Plymouth	Hickory hairstreak (*Satyrium caryaevorum*)	Insect	SC	None
Plymouth	Leonard's skipper (*Hesperia leonardus*)	Insect	SC	None
Plymouth	Long-eared Owl (*Asio otus*)	Bird	T	None
Plymouth	Missouri milk-vetch (*Astragalus missouriensis*)	Plant	SC	None
Plymouth	Missouri Rockcress (*Arabis missouriensis*)	Plant	SC	None
Plymouth	Narrow-leaved milkweed (*Asclepias stenophylla*)	Plant	E	None
Plymouth	Nodding Thistle (*Cirsium undulatum*)	Plant	SC	None
Plymouth	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Plymouth	Olympia marble (*Euchloe olympia*)	Insect	SC	None
Plymouth	Ottoe skipper (*Hesperia ottoe*)	Insect	SC	None
Plymouth	Plains pocket mouse (*Perognathus flavescens*)	Mammal	E	None
Plymouth	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Plymouth	Prairie moonwort (*Botrychium campestre*)	Plant	SC	None
Plymouth	Prairie rattlesnake (*Crotalus viridis*)	Reptile	E	None
Plymouth	Regal frittilary (*Speyeria idalia*)	Insect	SC	None
Plymouth	Scarlet Globe-mallow (*Sphaeralcea coccinea*)	Plant	T	None
Plymouth	Silver buffalo-berry (*Shepherdia argentea*)	Plant	T	None
Plymouth	Slender Penstemon (*Penstemon gracilis*)	Plant	T	None
Plymouth	Ten petaled mentzela (*Mentzelia decapetala*)	Plant	SC	None
Plymouth	Topeka Shiner (*Notropis topeka*)	Fish	T	E
Plymouth	Tumblegrass (*Schedonnardus paniculatus*)	Plant	SC	None
Plymouth	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
Plymouth	Wild indigo dusky wing (*Erynnis baptisiae*)	Insect	SC	None
Plymouth	Wooly milkweed (*asclepias lanuginose*)	Plant	T	None
Pocahontas	Creeper (*Strophitus undulates*)	Mussel	T	None
Pocahontas	Cylindrical Papershell (*Anodontoides ferussacianus*)	Mussel	T	None
Pocahontas	Dion skipper (*Euphyes dion*)	Insect	SC	None
Pocahontas	Earleaf foxglove (*Tomanthera auriculata*)	Plant	SC	None
Pocahontas	Fragrant false indigo (*Amorpha nana*)	Plant	T	None
Pocahontas	Frost grape (*Vitis vulpine*)	Plant	SC	None
Pocahontas	Great plains ladies'-tresses (*Piranthes magnicamporum*)	Plant	SC	None
Pocahontas	Henslow's sparrow (*Ammodramus henslowii*)	Bird	T	None
Pocahontas	Northern harrier (*Circus cyaneus*)	Bird	E	None

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COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Pocahontas	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Pocahontas	Olympia marble (*Euchloe Olympia*)	Insect	SC	None
Pocahontas	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Pocahontas	Regal fritillary (*Speyeria idalia*)	Insect	SC	None
Pocahontas	Silvery blue (*Glaucopsyche lygdamus*)	Insect	T	None
Pocahontas	Smooth green Snake (*Liochlorophis vernalis*)	Reptile	SC	None
Pocahontas	Topeka shiner (*Notropis topeka*)	Fish	—	E
Pocahontas	Two-spotted skipper (*Euphyes bimacula*)	Insect	SC	None
Pocahontas	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
Sioux	Bald eagle (*Haliaeetus leucocephalus*)	Bird	E	None
Sioux	Beardtongue (*Penstemon albidus*)	Plant	SC	None
Sioux	Biscuit root (*Lomatium foeniculaceum*)	Plant	E	None
Sioux	Frost Grape (*Vitis vulpine*)	Plant	S	None
Sioux	Golden aster (*Heterotheca villosa*)	Plant	S	None
Sioux	Lance-leaf scurf-pea (*Psoralidium lanceolatum*)	Plant	SC	None
Sioux	Narrow-leaved milkweed (*Asclepias stenophylla*)	Plant	E	None
Sioux	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Sioux	Ottoe skipper (*Hesperia ottoe*)	Insect	SC	None
Sioux	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Sioux	Shadebush (*amelanchier sanguinea*)	Plant	S	none
Sioux	Spotted skunk (*Spilogale putorius*)	Mammal	E	None
Sioux	Topeka shiner (*Notropis topeka*)	Fish	—	E
Sioux	Western parsley (*Lomatium orientale*)	Plant	T	None
Sioux	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
Woodbury	Alkali muhly (*Muhlenbergia asperifolia*)	Plant	SC	None
Woodbury	Alpine rush (*Juncus alpinus*)	Plant	S	None
Woodbury	Barn Owl (*Tyto alba*)	Bird	E	None
Woodbury	Beardtongue (*Penstemon albidus*)	Plant	S	None
Woodbury	Bald eagle (*Haliaeetus leucocephalus*)	Bird	E	None
Woodbury	Blacknose shiner (*Notropis heterolepis*)	Fish	T	None
Woodbury	Black bugbane (*Cimicifuga racemosa*)	Plant	S	None
Woodbury	Blue mud-plantain (*Heteranthera limosa*)	Plant	S	None
Woodbury	Buffalo grass (*Buchloe dactyloides*)	Plant	S	None
Woodbury	Dakota skipper (*Hesperia dacotae*)	Insect	E	C
Woodbury	Dusted skipper (*Atrytonopsis hianna*)	Insect	SC	None
Woodbury	Frostgrape (Vitis vulpine)	*Plant*	S	None
Woodbury	Glomerate Sedge (*Carex aggregata*)	Plant	S	None
Woodbury	Interior least tern (*Sterna antillarum athalassos*)	Bird	E	None
Woodbury	Large-leaf pondweed (*Potamogeton amplifolius*)	Plant	S	None
Woodbury	Least tern (*Sterna antillarum*)	Bird	None	E
Woodbury	Leathery grape fern (*Botrychium multifidum*)	Plant	S	None

Notes & Disclaimer: Candidate (C) Endangered (E) Proposed threatened/endangered (P) Threatened (T) Special concern (SC) Not recognized by the state to be present in the county (—)

Federally-listed species provided by the USFWS as of December 2013. State-listed species obtained from Iowa Natural Areas Inventory website (https://programs.iowadnr.gov/naturalareasinventory/pages/Logon.aspx) December 2013. While this combined list provides a reasonably accurate guide, it should not be considered the final word in determining species location.

TABLE P29: ENDANGERED AND THREATENED SPECIES – IOWA

COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Woodbury	Leonard's skipper (*Hesperia leonardus*)	Insect	SC	None
Woodbury	Missouri milk-vetch (*Astragalus missouriensis*)	Plant	SC	None
Woodbury	Narrow-leaved milkweed (*asclepias stenophylla*)	Plant	E	None
Woodbury	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	P
Woodbury	Olympia marble (*Euchloe olympia*)	Insect	SC	None
Woodbury	Ottoe skipper (*Hesperia ottoe*)	Insect	SC	None
Woodbury	Pallid Sturgeon (*Scaphirynchus albus*)	Fish	E	E
Woodbury	Piping plover (*Charadrius melodus*)	Bird	E	T
Woodbury	Poweshiek skipperling (*Oarisma poweshiek*)	Insect	T	None
Woodbury	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Woodbury	Prairie moonword (*Botrychium campestre)*	Plant	S	None
Woodbury	Sand bluestem (*Andropogon hallii*)	Plant	S	None
Woodbury	Silver buffalo-berry (*Shepherdia argentea*)	Plant	T	None
Woodbury	Slender sedge (*Carex tenera*)	Plant	S	None
Woodbury	Smooth green snake (*Liochlopophis vernalis*)	Reptile	SC	None
Woodbury	Spear needlegrass (*Stipa comate*)	Plant	S	None
Woodbury	Spring ladies'-tresses (*Spiranthes vernalis*)	Plant	T	None
Woodbury	Tall millet-grass(*Schedonnardus paniculatus*)	Plant	S	None
Woodbury	Ten-petaled mentzelia (*Mentzelia decapetalia*)	Plant	SC	None
Woodbury	Topeka shiner (*Notropis topeka*)	Fish	T	E
Woodbury	Tumblegrass (*Schedonnardus paniculatus*)	Plant	SC	None
Woodbury	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
Woodbury	Wild indigo dusky wing (*Erynnis baptisiae*)	Insect	SC	None
Woodbury	Wooly milkweed (*Asclepias lanuginose*)	Plant	T	None

Notes & Disclaimer: Candidate (C) Endangered (E) Proposed threatened/endangered (P) Threatened (T) Special concern (SC) Not recognized by the state to be present in the county (—)

Federally-listed species provided by the USFWS as of December 2013. State-listed species obtained from Iowa Natural Areas Inventory website (https://programs.iowadnr.gov/naturalareasinventory/pages/Logon.aspx) December 2013. While this combined list provides a reasonably accurate guide, it should not be considered the final word in determining species location.

TABLE P30: ENDANGERED AND THREATENED SPECIES – MINNESOTA

COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Jackson	A jumping spider (*Marpissa grata*)	Spider	S	None
Jackson	American ginseng (*panax quinquefolius*)	Plant	S	None
Jackson	Bald eagle (*Haliaeetus leucocephalus*)	Bird	S	None
Jackson	Black sandshell (*Liqumia recta*)	Mussel	S	None
Jackson	Common gallinule (*Gallinula galeata*)	Bird	S	None
Jackson	Fescue sedge (*Carex festucacea*)	Plant	T	None
Jackson	Forster's tern (*Sterna forsteri*)	Bird	S	None
Jackson	Franklin's gull (*Leucophaeus pipixcan*)	Bird	S	None
Jackson	Hair-line beak-rush (*Rhynchospora capillacae*)	Plant	T	None
Jackson	Henslow's sparrow (*Ammodramus henslowii*)	Bird	E	None
Jackson	Iowa skipper (*atrytone arogos iowa*)	Insect	S	None
Jackson	King rail (*Rallus elegans*)	Bird	E	None
Jackson	Loggerhead shirk (*Lanius ludovicianus*)	Bird	T	None
Jackson	Monkeyface (*quadrula metanevra*)	Mussel	T	None
Jackson	Mucket (*Actinonaias liqamentina*)	Mussel	T	None
Jackson	Ottoe skipper (*Hesperia ottoe*)	Insect	T	None
Jackson	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	None	E
Jackson	Powesheik skipper (*Oarisma Poweshiek*)	Insect	S	C
Jackson	Prarie bush clover (*Lespedeza leptostachya*)	Plant	Te	T
Jackson	Rattlesnake-master (*Eryngium yuccifolium*)	Plant	S	None
Jackson	Regal fritillary (*Speyeria idalia*)	Insect	S	None
Jackson	Round pigoe (*Pleurobema sintoxia*)	Mussel	T	None
Jackson	Small white lady's-slipper (*Cypripedium candidum*)	Plant	S	None
Jackson	Snow trillium (*Trillium nivale*)	Plant	S	None
Jackson	Spike (*Elliptio dilatata*)	Mussel	S	None
Jackson	Sullivant's Milkweed (*Asclepias sullivantii*)	Plant	S	None
Jackson	Trumpeter swan (*Cygnus buccinator*)	Bird	T	None
Jackson	Whorled nut-rush (*Scleria verticillata*)	Plant	T	None
Jackson	Wilson's Phalarope (*Phalaropus tricolor)*	Bird	T	None
Lyon	Acadian flycatcher (*Empidonax virescens*)	Bird	S	None
Lyon	American ginseng (*Panax quinquefolius*)	Plant	S	None
Lyon	Bald eagle (*Haliaeetus leucocephalus*)	Bird	S	None
Lyon	Burrowing owl (*Athene cunicularia*)	Bird	E	None
Lyon	Creek heelsplitter (*Lasmigona compressa*)	Mussel	S	None
Lyon	Elktoe (*Alasmidonta marqinata*)	Mussel	S	None
Lyon	Forster's tern (*Sterna foresteri*)	Bird	S	None
Lyon	Hair-line beak-rush (*Rhynchospora capillacae*)	Plant	T	None
Lyon	Henslow's sparrow (*Ammodramus henslowii*)	Bird	E	None
Lyon	Loggerhead shirk (*Lanius ludovicianus*)	Bird	T	None
Lyon	Missouri milk-vetch (*Astragalus missouriensis var. missouriensis*)	Plant	S	None
Lyon	Northern long-eared bat (*Myotis septentrionalis*)	Mamal	None	E

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TABLE P30: ENDANGERED AND THREATENED SPECIES – MINNESOTA

COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Lyon	Pholx moth (*Schinia Indiana*)	Insect	S	None
Lyon	Poweshiek skipperling (*Oarisma Poweshiek*)	Insect	C	E
Lyon	Prairie mimosa (*Desmanthus illinoensis*)	Plant	S	None
Lyon	Prairy vole (*Microtus ochrogaster*)	Mammal	S	None
Lyon	Regal fritillary (*Speyeria idalia*)	Insect	S	None
Lyon	Slender milk-vetch (*Astragalus flexuosus var. fleuosus*)	Plant	S	None
Lyon	Small white lady's-slipper (*Cypripedium candidum*)	Plant	S	None
Lyon	Snow trillium (*Trillium nivale*)	Plant	S	None
Lyon	Water-hyssop (*Bacopa rotundifolia*)	Plant	S	None
Lyon	Wilson's Phalarope (*Phalaropus tricolor)*	Bird	T	None
Nobles	Arogos skipper (*Atrytone arogos*)	Insect	SC	None
Nobles	Blanding's turtle (*Emydoidea blandingii*)	Reptile	T	None
Nobles	Hair-like beak-rush (*Rhynchospora capillacea*)	Plant	T	None
Nobles	Northern cricket frog (*Acris blanchardi*)	Amphibian	E	None
Nobles	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	SC	P
Nobles	Plains topminnow (*Fundulus sciadicus*)	Fish	T	None
Nobles	Poweshiek skipper (*Oarisma poweshiek*)	Insect	E	C
Nobles	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Nobles	Rattlesnake-master (*Eryngium yuccifolium*)	Plant	SC	None
Nobles	Regal frittilary (*Speyeria idalia*)	Insect	SC	None
Nobles	Small white lady's-slipper (*Cypripedium candidum*)	Plant	SC	None
Nobles	Sullivant's milkweed (*Asclepias sullivantii*)	Plant	T	None
Nobles	Topeka shiner (*Notropis topeka*)	Fish	SC	E
Nobles	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	E	T
Pipestone	A species of jumping spider (*Phidippus pius*)	Spider	SC	None
Pipestone	A species of lichen (*Buellia nigra*)	Fungus	SC	None
Pipestone	Arogos skipper (*Atrytone arogos*)	Insect	SC	None
Pipestone	Blackfoot quillwort (*Isoetes melanopoda*)	Plant	E	None
Pipestone	Blanding's turtle (*Emydoidea blandingii*)	Reptile	T	None
Pipestone	Buffalo grass (*Buchloe dactyloides*)	Plant	SC	None
Pipestone	Burrowing owl (*Athene cunicularia*)	Bird	E	None
Pipestone	Dakota skipper (*Hesperia dacotae*)	Insect	E	C
Pipestone	Hair-like beak-rush (*Rhynchospora capillacea*)	Plant	T	None
Pipestone	Hairy water clover (*Marsilea vestita*)	Plant	E	None
Pipestone	Henslow's sparrow (*Ammodramus henslowii*)	Bird	E	None
Pipestone	Least shrew (*Cryptotis parva*)	Mammal	SC	None
Pipestone	Least weasel (*Mustela nivalis*)	Mammal	SC	None
Pipestone	Loggerhead shrike (*Lanius ludovicianus*)	Bird	E	None
Pipestone	Mud plantain (*Heteranthera limosa*)	Plant	T	None
Pipestone	Mudwort (*Limosella aquatic*)	Plant	SC	None
Pipestone	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	SC	P
Pipestone	Ottoe skipper (*Hesperia ottoe*)	Insect	E	None

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TABLE P30: ENDANGERED AND THREATENED SPECIES – MINNESOTA

COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Pipestone	Plains prickly pear (*Opuntia macrorhiza*)	Plant	SC	None
Pipestone	Plains topminnow (*Fundulus sciadicus*)	Fish	T	None
Pipestone	Poweshiek skipperling (*Oarisma poweshiek*)	Insect	E	C
Pipestone	Prairie moonwort (*Botrychium campestre*)	Plant	SC	None
Pipestone	Prairie vole (*Microtus ochrogaster*)	Mammal	SC	None
Pipestone	Red three-awn (*Aristida purpurea var. longiseta*)	Plant	SC	None
Pipestone	Regal frittilary (*Speyeria idalia*)	Insect	SC	None
Pipestone	Short-pointed umbrella-sedge (*Cyperus acuminatus*)	Plant	T	None
Pipestone	Slender plantain (*Plantago elongate*)	Plant	SC	None
Pipestone	Small white lady's-slipper (*Cypripedium candidum*)	Plant	SC	None
Pipestone	Topeka shiner (*Notropis topeka*)	Fish	SC	E
Pipestone	Tumblegrass (*Schedonnardus paniculatus*)	Plant	SC	None
Pipestone	Water-hyssop (*Bacopa rotundifolia*)	Plant	T	None
Pipestone	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	E	T
Rock	A species of lichen (*Buellia nigra*)	Fungus	SC	None
Rock	Blackfoot quillwort (*Isoetes melanopoda*)	Plant	E	None
Rock	Buffalo grass (*Buchloe dactyloides*)	Plant	SC	None
Rock	Burrowing owl (*Athene cunicularia*)	Bird	E	None
Rock	Larger water-starwort (*Callitriche heterophylla*)	Plant	T	None
Rock	Lined snake (*Tropidoclonion lineatum*)	Reptile	SC	None
Rock	Mud plantain (*Heteranthera limosa*)	Plant	T	None
Rock	Mudwort (*Limosella aquatic*)	Plant	SC	None
Rock	Narrow-leaved vervain (*Verbena simplex*)	Plant	SC	None
Rock	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	SC	P
Rock	Plains prickly pear (*Opuntia macrorhiza*)	Plant	SC	None
Rock	Plains topminnow (*Fundulus sciadicus*)	Fish	T	None
Rock	Poweshiek skipperling (*Oarisma poweshiek*)	Insect	E	C
Rock	Prairie bush clover (*Lespedeza leptostachya*)	Plant	T	T
Rock	Prairie vole (*Microtus ochrogaster*)	Mammal	SC	None
Rock	Regal frittilary (*Speyeria idalia*)	Insect	SC	None
Rock	Short-eared owl (*Asio flammeus*)	Bird	SC	None
Rock	Short-pointed umbrella-sedge (*Cyperus acuminatus*)	Plant	T	None
Rock	Slender plantain (*Plantago elongate*)	Plant	SC	None
Rock	Topeka shiner (*Notropis topeka*)	Fish	SC	E
Rock	Tumblegrass (*Schedonnardus paniculatus*)	Plant	SC	None
Rock	Water-hyssop (*Bacopa rotundifolia*)	Plant	T	None
Rock	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	E	T

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TABLE P31: ENDANGERED AND THREATENED SPECIES – NEBRASKA

COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Burt	Gray wolf (*Canis lupus*)	Mammal	—	T
Burt	Northern long-eared bat (Myotis septentrionalis)	Mammal	—	P
Burt	Pallid sturgeon (*Scaphirynchus albus*)	Fish	E	E
Burt	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	—	T
Burt	American Ginseng (*Panax quinquefolium*)	Plant	T	None
Burt	Lake Sturgeon (*Acipenser fulvescens*)	Fish	E	None
Burt	River Otter (*Lutra canadensis*)	Mammal	T	None
Burt	Sturgeon Chub (*Macrhybopsis gelida*)	Fish	E	None
Cedar	Gray wolf (*Canis lupus*)	Mammal	—	T
Cedar	Interior least tern (*Sterna antillarum*)	Bird	E	E
Cedar	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	—	P
Cedar	Pallid sturgeon (*Scaphirynchus albus*)	Fish	E	E
Cedar	Piping plover (*Charadrius melodus*)	Bird	T	T
Cedar	Rufa red knot (*Calidris canutus rufa*)	Bird	—	P
Cedar	Scaleshell (*Leptodea leptodon*)	Mussel	E	E
Cedar	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	—	T
Cedar	Whooping crane (*Grus americana*)	Bird	—	E
Cedar	Lake Sturgeon (*Acipenser fulvescens*)	Fish	T	None
Cedar	Sturgeon Chub (*Macrhybopsis gelida*)	Fish	E	None
Dakota	Gray wolf (*Canis lupus*)	Mammal	—	T
Dakota	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	—	P
Dakota	Pallid sturgeon (*Scaphirynchus albus*)	Fish	E	E
Dakota	Rufa red knot (*Calidris canutus rufa*)	Bird	—	P
Dakota	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	—	T
Dakota	American Ginseng (*Panax quinquefolium*)	Plant	T	None
Dakota	Lake Sturgeon (*Acipenser fulvescens*)	Fish	T	None
Dakota	Sturgeon Chub (*Macrhybopsis gelida*)	Fish	E	None
Dixon	Gray wolf (*Canis lupus*)	Mammal	NA	T
Dixon	Interior least tern (*Sterna antillarum*)	Bird	E	E
Dixon	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	NA	P
Dixon	Pallid sturgeon (*Scaphirynchus albus*)	Fish	E	E
Dixon	Piping plover (*Charadrius melodus*)	Bird	T	T
Dixon	Rufa red knot (*Calidris canutus rufa*)	Bird	NA	P
Dixon	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	NA	T
Dixon	Whooping crane (*Grus americana*)	Bird	NA	E
Dixon	American Ginseng (*Panax quinquefolium*)	Plant	T	None
Dixon	Lake Sturgeon (*Acipenser fulvescens*)	Fish	T	None
Dixon	Scaleshell Mussel (*Leptodea leptodon*)	Mussel	E	—
Dixon	Sturgeon Chub (*Macrhybopsis gelida*)	Fish	E	None
Knox	American burying beetle (*Nicrophorus americanus*)	Insect	E	E
Knox	Black-footed ferret (*Mustela nigripes*)	Mammal	—	E

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TABLE P31: ENDANGERED AND THREATENED SPECIES – NEBRASKA

COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Knox	Gray wolf (*Canis lupus*)	Mammal	—	T
Knox	Interior least tern (*Sterna antillarum*)	Bird	E	E
Knox	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	—	P
Knox	Pallid sturgeon (*Scaphirynchus albus*)	Fish	E	E
Knox	Piping plover (*Charadrius melodus*)	Bird	T	T
Knox	Rufa red knot (*Calidris canutus rufa*)	Bird	—	P
Knox	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	T	T
Knox	Whooping crane (*Grus americana*)	Bird	E	E
Knox	Lake Sturgeon (*Acipenser fulvescens*)	Fish	T	None
Knox	River Otter (*Lutra canadensis*)	Mammal	T	None
Knox	Sturgeon Chub (*Macrhybopsis gelida*)	Fish	E	None
Thurston	Gray wolf (*Canis lupus*)	Mammal	—	T
Thurston	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	—	P
Thurston	Pallid sturgeon (*Scaphirynchus albus*)	Fish	E	E
Thurston	Rufa red knot (*Calidris canutus rufa*)	Bird	—	P
Thurston	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	—	T
Thurston	Sturgeon Chub (*Macrhybopsis gelida*)	Fish	E	None
Thurston	American Ginseng (*Panax quinquefolium*)	Plant	T	None
Thurston	Lake Sturgeon (*Acipenser fulvescens*)	Fish	T	None
Thurston	River Otter (*Lutra canadensis*)	Mammal	T	None
Wayne	Gray wolf (*Canis lupus*)	Mammal	—	T
Wayne	Northern long-eared bat (*Myotis septentrionalis*)	Mammal	—	P
Wayne	Rufa red knot (*Calidris canutus rufa*)	Bird	—	P
Wayne	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	—	T
Wayne	Small White Lady's Slipper (*Cypripedium candidum*)	Plant	T	None

Notes & Disclaimer: Candidate (C) Endangered (E) Proposed threatened/endangered (P) Threatened (T) Special concern (SC) Not recognized by the state to be present in the county (—)

Federally-listed species provided by the USFWS Service as of December 2013. State-listed species obtained from Nebraska Natural Heritage Program of the Nebraska Game and Parks Commission, Version: January 2013. While this combined list provides a reasonably accurate guide, it should not be considered the final word in determining species location.

TABLE P32: ENDANGERED AND THREATENED SPECIES – SOUTH DAKOTA

COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Clay	Bald eagle (*Haliaeetus leucocephalus*)	Bird	T	None
Clay	Eastern hognose snake (*Heterodon platirhinos*)	Reptile	T	None
Clay	False map turtle (*Graptemys pseudogeographica*)	Reptile	T	None
Clay	Interior least tern (*Sterna antillarum*)	Bird	E	E
Clay	Northern Long-Eared Bat (*Myotis septentrionalis*)	Mammal	None	P
Clay	Osprey (*Pandion haliaetus*)	Bird	T	None
Clay	Pallid sturgeon (*Scaphirynchus albus*)	Fish	E	E
Clay	Piping plover (*Charadrius melodus*)	Bird	T	T
Clay	Red knot (*Calidris canutus rufa*)	Bird	None	P
Clay	Scaleshell (*Leptodea leptodon*)	Mussel	None	E
Clay	Sicklefin chub (*Macrhybopsis meeki*)	Fish	E	None
Clay	Topeka shiner (*Notropis Topeka*)	Fish	None	E
Clay	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	None	T
Lincoln	Bald eagle (*Haliaeetus leucocephalus*)	Bird	T	None
Lincoln	Northern Long-Eared Bat (*Myotis septentrionalis*)	Mammal	None	P
Lincoln	Pallid sturgeon (*Scaphirynchus albus*)	Fish	E	E
Lincoln	Red knot (*Calidris canutus rufa*)	Bird	None	P
Lincoln	Topeka shiner (*Notropis Topeka*)	Fish	None	E
Lincoln	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	None	T
Minnehaha	Bald eagle (*Haliaeetus leucocephalus*)	Bird	T	None
Minnehaha	Lined snake (*Tropidoclonion lineatum*)	Reptile	E	None
Minnehaha	Northern Long-Eared Bat (*Myotis septentrionalis*)	Mammal	None	P
Minnehaha	Red knot (*Calidris canutus rufa*)	Bird	None	P
Minnehaha	Topeka shiner (*Notropis Topeka*)	Fish	None	E
Minnehaha	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	None	T
Union	American Burying Beetle (*Nicrophorus americanus*)	Insect	None	E
Union	Bald eagle (*Haliaeetus leucocephalus*)	Bird	T	None
Union	Eastern hognose snake (*Heterodon platirhinos*)	Reptile	T	None
Union	False map turtle (*Graptemys pseudogeographica*)	Reptile	T	None
Union	Interior least tern (*Sterna antillarum*)	Bird	E	E
Union	Lined snake (*Tropidoclonion lineatum*)	Reptile	E	None
Union	Northern Long-Eared Bat (*Myotis septentrionalis*)	Mammal	None	P
Union	Northern river otter (*Lontra canadensis*)	Mammal	T	None
Union	Pallid sturgeon (*Scaphirynchus albus*)	Fish	E	E
Union	Piping plover (*Charadrius melodus*)	Bird	T	T
Union	Red knot (*Calidris canutus rufa*)	Bird	None	P
Union	Scaleshell (*Leptodea leptodon*)	Mussel	None	E
Union	Sicklefin chub (*Macrhybopsis meeki*)	Fish	T	None
Union	Topeka shiner (*Notropis Topeka*)	Fish	None	E
Union	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	None	T
Union	Whooping crane (*Grus americana*)	Bird	E	E
Yankton	Bald eagle (*Haliaeetus leucocephalus*)	Bird	T	None

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TABLE P32: ENDANGERED AND THREATENED SPECIES – SOUTH DAKOTA

COUNTY	SPECIES	GROUP	STATE STATUS	FEDERAL STATUS
Yankton	Blacknose shiner (*Notropis heterolepis*)	Fish	E	None
Yankton	False map turtle (*Graptemys pseudogeographica*)	Reptile	T	None
Yankton	Higgins Eye Mussel (*Lampsilis higginsii*)	Mussel	None	E
Yankton	Interior least tern (*Sterna antillarum*)	Bird	E	E
Yankton	Northern Long-Eared Bat (*Myotis septentrionalis*)	Mammal	None	P
Yankton	Pallid sturgeon (*Scaphirynchus albus*)	Fish	E	E
Yankton	Piping plover (*Charadrius melodus*)	Bird	T	T
Yankton	Red knot (*Calidris canutus rufa*)	Bird	None	P
Yankton	Scaleshell (*Leptodea leptodon*)	Mussel	None	E
Yankton	Sicklefin chub (*Macrhybopsis meeki*)	Fish	T	None
Yankton	Sturgeon chub (*Macrhybopsis gelida*)	Fish	T	None
Yankton	Topeka shiner (*Notropis Topeka*)	Fish	None	E
Yankton	Western prairie fringed orchid (*Platanthera praeclara*)	Plant	None	T

Notes & Disclaimer: Candidate (C), Endangered (E), Proposed threatened/endangered (P), Threatened (T), Special concern (SC) Federally-listed species provided by the U.S. Fish and Wildlife Service as of December 2013. State-listed species obtained from the South Dakota Natural Heritage Program, November 2012 list. While this combined list provides a reasonably accurate guide, it should not be considered the final word in determining species location.

APPENDIX Q: FACILITY RESPONSE PLAN SITES

TABLE Q33: FACILITY RESPONSE PLAN SITES

FRP No.	Facility Name	Address	City	State	Zip Code	County	Storage Capacity	Unit
FRP07A0017	Magellan Pipeline Company - Milford Terminal	2451 Hwy 71	Milford	IA	51351	Dickinson	7,863,855	Gal
FRP07A0022	Magellan Pipeline Company - Sioux City Terminal	4300 - 41st St	Sioux City	IA	51108	Woodbury	25,111,160	Gal
FRP07A0073	AG Processing Inc - Sergeant Bluff	Port Neal Industrial Rd	Sergeant Bluff	IA	51054	Woodbury	6,536,000	Gal
FRP07A0168	Westway Terminal Company (Sioux City)	4425 41st St	Sioux City	IA	51108	Woodbury	2,000,250	Gal
FRP07A0171	Cargill, Inc. - Holstein Facility	1317 Alpine	Holstein	IA	51025	Ida	10,457,736	Gal
FRP07A0172	Cargill, Inc. - Sioux City Facility	1016 Clark St.	Sioux City	IA	51101	Woodbury	7,535,409	Gal
FRP07A0180	Jebro, Inc.	2303 Bridgeport Dr	Sioux City	IA	51111	Woodbury	17,844,295	Gal
FRP07A0189	NuStar/Kaneb - Rock Rapids Terminal	3025 Highway 9 St	Rock Rapids	IA	51246	Lyon	366,081	BBL
FRP07A0193	NuStar/Kaneb - Milford Terminal	2127 220th St	Milford	IA	51351	Dickinson	172,903	BBL
FRP07A0197	NuStar/Kaneb - Le Mars Terminal	33035 C12	Le Mars	IA	51031	Plymouth	104,167	BBL
FRP07A0216	Platinum Ethanol, LLC	2585 Quail Ave	Arthur	IA	51431	Ida	Unknown	
FRP07A0217	VeraSun Hartley, LLC	3260 Van Buren Ave	Hartley	IA	51346	Obrien	3,773,643	Gal
FRP07A0229	Valero- Albert City, LLC	2356 510th St	Albert City	IA	50510	Buena Vista	3,211,445	Gal
R5MN00273	Heron Lake Bioenergy	91246 390th Avenue	Heron Lake	MN	56137	Jackson	17,887	Gal
R5MN00272	Archer Daniels Midland	400 West Erie Road	Marshall	MN	56258	Lyon	7,675,000	Gal
R5MN00209	Flint Hills Resources	901 North 7th Street	Marshall	MN	56258	Lyon	28,067,047	Gal
R5MN00102	Magellan Pipeline Co LP	1601 W College Dr	Marshall	MN	56258	Lyon	337,683	Gal
R5MN00254	Minnesota Soybean Processors	121 Zeh Avenue	Brewster	MN	56119	Nobles	1,653,950	Gal
FRP07A0261	Abengoa Bioenergy Corporation - York	1414 Road O	York	NE	68467	York	1,320,406	Gal
FRP07A0075	Bailey Yard	4601 W. Front St	North Platte	NE	69101	Lincoln	4,595,455	Gal
FRP07A0194	NuStar/Kaneb - North Platte Terminal	17504 S Hwy 83	North Platte	NE	69101	Lincoln	9,495,738	Gal
FRP07A0209	SiouxLand Ethanol, LLC	1501 Knox Blvd	Jackson	NE	68743	Dakota	1,665,975	Gal
FRP8SD00262	NuStar Logistics - Yankton Refined Prod. Terminal	2608 East Highway 50	Yankton	SD	57078	Yankton	9,468,134	Gal
FRP8SD00251	Basin Electric Spirit Mound Station	46071 310th Street	Vermillion	SD	57069	Clay	2,100,000	Gal
FRP8SD00252	NuStar Logistics - Sioux Falls Refined Prod. Terminal	3721 South Grange Ave	Sioux Falls	SD	57105	Minnehaha	16,299,088	Gal

TABLE Q33: FACILITY RESPONSE PLAN SITES

FRP No.	Facility Name	Address	City	State	Zip Code	County	Storage Capacity	Unit
FRP8SD00253	Magellan Pipeline Co. Sioux Falls Terminal	5300 West 12th Street	Sioux Falls	SD	57106	Minnehaha	1,901,088	Gal
FRP8SD00250	John Morrell & Company	400 North Weber Ave	Sioux Falls	SD	57103	Minnehaha	1,032,100	Gal
FRP8SD00247	Xcel Energy - Angus Anson Facility	7100 Rice St. East	Sioux Falls	SD	57005	Minnehaha	2,010,400	Gal

APPENDIX R: RISK MANAGEMENT PROGRAM SITES

TABLE R34: RISK MANAGEMENT PROGRAM SITES

Company Name	Street Address	City	County	State	Zip Code	Latitude	Longitude
Ag Partners, LLC	13 North Main	Alta	Buena Vista	IA	51002	42.675774	-95.304099
Ag Partners, LLC - Albert City	129 Main Street	Albert City	Buena Vista	IA	50510	42.781697	-94.950689
Ag Partners, LLC - Alta Second Facility	5672 50th Avenue	Alta	Buena Vista	IA	51002	42.695056	-95.309086
Ag Partners, LLC - Rembrandt	108 South Railroad Street	Rembrandt	Buena Vista	IA	50576	42.825083	-95.168583
Farmers Cooperative Company - Newell	6275 200th Avenue	Newell	Buena Vista	IA	50568	42.610978	-95.013432
First Cooperative Association - Linn Grove NH3	8015 - 15th Street	Linn Grove	Buena Vista	IA	51033	42.887778	-95.235
First Cooperative Association - Marathon NH3	212 North Agora	Marathon	Buena Vista	IA	50565	42.859964	-94.982127
First Cooperative Association - Truesdale NH3	301 Railroad Avenue	Truesdale	Buena Vista	IA	50592	42.72926	-95.1824
IBP Inc - Storm Lake	Flindt Drive and Richland Lane	Storm Lake	Buena Vista	IA	50588	42.640762	-95.188316
Rembrandt Enterprises Inc.	1419 480th Avenue	Rembrandt	Buena Vista	IA	50576	42.821938	-95.128189
Sara Lee Corp - Storm Lake	315 Vilas Road	Storm Lake	Buena Vista	IA	50588	42.639862	-95.184636
Valero Renewable Fuels - Albert City	2356 510th Street	Albert City	Buena Vista	IA	50510	42.775376	-94.942166
Cloverleaf Cold Storage - Cherokee	1530 South 2nd Street	Cherokee	Cherokee	IA	51012	42.725278	-95.55416
Cropmate Company	303 Sanford, P.O. Box 156	Washta	Cherokee	IA	51061	42.572813	-95.717276
Dorr's Pine Grove Farm Co.	4466 F Avenue	Marcus	Cherokee	IA	51035	42.875083	-95.76525
First Cooperative Association - Aurelia NH3	100 South Main Street	Aurelia	Cherokee	IA	51005	42.71088	-95.433
First Cooperative Association - Cherokee	530 River Road	Cherokee	Cherokee	IA	51012	42.745105	-95.559016
First Cooperative Association - Cleghorn NH3	113 South Lewis Avenue	Cleghorn	Cherokee	IA	51014	42.812917	-95.712759
Iowa Fertilizer Sales Inc.	4765 Highway 143 N	Marcus	Cherokee	IA	51035	42.82964	-95.79224
Little Sioux Corn Processors LP	4808 F Avenue	Marcus	Cherokee	IA	51035	42.82085	-95.7609
Terra International Inc.	Highway 31 East	Quimby	Cherokee	IA	51049	42.633056	-95.633889
Tyson Foods Inc.	1300 South Lake Street	Cherokee	Cherokee	IA	51012	42.730479	-95.558931
Western Iowa Coop	203 Main	Washta	Cherokee	IA	51061	42.574694	-95.716111
Ag Partners, LLC	101 Market Street	Royal	Clay	IA	51357	43.0655	-95.28271
CF Industries, Inc. - Spencer Terminal	3425 180th Avenue	Spencer	Clay	IA	51301	43.153861	-95.230538
Farmers Coop Elevator	205 West 4th Street	Everly	Clay	IA	51338	43.161833	-95.330667

TABLE R34: RISK MANAGEMENT PROGRAM SITES

Company Name	Street Address	City	County	State	Zip Code	Latitude	Longitude
Feekes Farm Center	108 East Front Street	Peterson	Clay	IA	51047	42.916267	-95.34246
First Cooperative Association - Peterson NH3	100 Front Street	Peterson	Clay	IA	51047	42.91631	-95.34255
First Cooperative Association - Webb NH3	305 3rd Avenue	Webb	Clay	IA	51366	42.949703	-95.010823
Fostoria Coop Elevator	117 West Main Street	Fostoria	Clay	IA	51340	43.243824	-95.15421
Great Lakes Cooperative - Spencer	3918 "B" Avenue East	Spencer	Clay	IA	51301	43.168889	-95.142222
Green Plains Grain Co. LLC - Everly	701 North Main	Everly	Clay	IA	51338	43.16435	-95.32727
Max Yield Cooperative - Dickens	202 1st Street	Dickens	Clay	IA	51333	43.13075	-95.025278
Quality Refrigerated Services	225 West 21st Street	Spencer	Clay	IA	51301	43.158962	-95.146924
Cropmate Company	304 East Ross Avenue	Terril	Dickinson	IA	51364	43.303932	-94.967476
Farmers Coop	402 Warner Avenue	Terril	Dickinson	IA	51364	43.302948	-94.969721
Great Lakes Cooperative - Superior	603 Railroad Street	Superior	Dickinson	IA	51363	43.43186	-94.94654
Great Lakes Cooperative - Superior	201 First Avenue	Superior	Dickinson	IA	51363	43.430567	-94.941052
Green Plains Superior LLC	1495 320th Avenue	Superior	Dickinson	IA	51363	43.43	-94.96
Spirit Lake Fertilizer	1447 Highway 86	Spirit Lake	Dickinson	IA	51360	43.436667	-95.183611
Superior Coop Elevator Company	1447 Highway 86	Spirit Lake	Dickinson	IA	51360	43.437831	-95.180608
Agriland FS Inc. - Logan	404 South 3rd Street	Logan	Harrison	IA	51546	41.638889	-95.789167
Agriland FS Inc. - Missouri Valley	1850 335th Street	Missouri Valley	Harrison	IA	51555	41.520833	-95.945833
Cogdill Farm Supply, Inc.	3737 155th Street	Dunlap	Harrison	IA	51529	41.783935	-95.588724
Dunlap, IA 6015	306 West Highway 37	Dunlap	Harrison	IA	51529	41.856667	-95.603889
Farm Service Coop	2921 Highway 30	Logan	Harrison	IA	51546	41.660556	-95.746944
Farm Service Coop	3299 Italy Avenue	Missouri Valley	Harrison	IA	51555	41.533306	-95.940722
Farm Service Coop - Persia	107 Railway Street	Persia	Harrison	IA	51563	41.582389	-95.566278
King Agri Sales	1410 Highway 127	Mondamin	Harrison	IA	51557	41.710556	-96.04111
Mondamin F Coop.	111 North Main Street	Mondamin	Harrison	IA	51557	41.711	-96.024472
United Western Coop - Dunlap	301 South First Street	Dunlap	Harrison	IA	51529	41.85239	-95.70501
United Western Coop - Little Sioux	4313 Vine Street	Little Sioux	Harrison	IA	51545	41.803583	-96.0445
United Western Coop - Missouri Valley	220 East Lincoln Highway	Missouri Valley	Harrison	IA	51555	41.55563	-95.88213
United Western Coop - Modale	300 East Martin Street	Modale	Harrison	IA	51556	41.61929	-95.99309

TABLE R34: RISK MANAGEMENT PROGRAM SITES

Company Name	Street Address	City	County	State	Zip Code	Latitude	Longitude
United Western Coop - Pisgah	104 Polk Street	Pisgah	Harrison	IA	51564	41.831167	-95.928167
United Western Coop - Woodbine	3001 Easton Trail	Woodbine	Harrison	IA	51579	41.738417	-95.731944
Berne Coop Association - Ida Grove	200 Jacobs Addition	Ida Grove	Ida	IA	51445	42.347222	-95.473611
Cargill Aghorizions - Holstein Facility	1317 Alpine	Holstein	Ida	IA	51025	42.515619	-95.642747
First Cooperative Association - Holstein	212 North Main Street	Holstein	Ida	IA	51025	42.490541	-95.544779
Galva Holstein Ag, LLC	204 East 1st Street	Holstein	Ida	IA	51025	42.483389	-95.533472
Hellers Carbonic West	1584 Market Avenue	Galva	Ida	IA	51020	42.476003	-95.416934
Ida Grove, IA 6016	5655 Highway 175	Ida Grove	Ida	IA	51445	42.348611	-95.50722
Ida Grove, IA 6016 Satellite	5780 Highway 175	Ida Grove	Ida	IA	51445	42.35	-95.48388
Platinum Ethanol LLC	2585 Quail Avenue	Arthur	Ida	IA	51431	42.331111	-95.346667
Quad County Corn Processors	6059 159th Street	Galva	Ida	IA	51020	42.47684	-95.41516
Rod's Fertilizer & Sales Inc.	117 North Main Street	Galva	Ida	IA	51020	42.508744	-95.418051
Rod's Fertilizer & Sales Inc.	Buena Vista Street	Galva	Ida	IA	51020	42.51	-95.4137
Farmers Coop Society - Little Rock	502 Section Line Road	Little Rock	Lyon	IA	51243	43.440278	-95.883333
Farmers Elevator Co.	2215 Iowa 9th Street	Lester	Lyon	IA	51242	43.431694	-96.347889
Farmers Elevator Coop - Lester	502 Hoogie Street	Lester	Lyon	IA	51242	43.4447	-96.3327
Farmers Elevator Coop. - Rock Rapids	315 North 2nd Avenue	Rock Rapids	Lyon	IA	51246	43.435104	-96.17409
Farmers Elevator Cooperative - Alvord	304 3rd Street	Alvord	Lyon	IA	51230	43.340568	-96.29534
Farmers Elevator Cooperative - Doon	101 West Main	Doon	Lyon	IA	51235	43.279375	-96.235897
Farmers Elevator Cooperative - Inwood	307 Maple Street	Inwood	Lyon	IA	51240	43.310444	-96.433778
Farmers Elevator Cooperative - Larchwood	755 Broadway Street	Larchwood	Lyon	IA	51241	43.452611	-96.438694
Lester Feed & Grain	210 Clinton Street	Lester	Lyon	IA	51242	43.43742	-96.3341
United Farmers Cooperative -- George	206 South Main Street	George	Lyon	IA	51237	43.345281	-96.002265
Berne Coop Association	18530 Highway 141 North	Ute	Monona	IA	51060	42.06094	-95.71077
Farm Service Coop	Sec 24, Ashton Twp	Onawa	Monona	IA	51040	42.0658	-96.031
Moorhead Coop	71 Oak Street	Moorhead	Monona	IA	51558	41.93056	-95.83427
Western Iowa Coop	300 Main Street	Blencoe	Monona	IA	51523	41.930393	-96.082849
Western Iowa Coop	38594 State Highway 175	Mapleton	Monona	IA	51034	42.168056	-95.794444

TABLE R34: RISK MANAGEMENT PROGRAM SITES

Company Name	Street Address	City	County	State	Zip Code	Latitude	Longitude
Western Iowa Coop - Turin, Iowa	23298 Lapenteur Memorial Road	Turin	Monona	IA	51040	42.033532	-95.966411
Whiting Propane Terminal	16653 Highway K45	Whiting	Monona	IA	51063	42.12741	-96.14954
Whiting, IA 442 Satellite	1817 Walnut Street	Whiting	Monona	IA	51063	42.119526	-96.1455
Archer Coop Grain Co.	112 Cherokee Avenue	Archer	Obrien	IA	51231	43.1175	-95.74658
Farmers Coop Elev Co. - Hartley Iowa	210 South 3rd Avenue East	Hartley	Obrien	IA	51346	43.179359	-95.472714
Farmers Coop Society	309 West 1st Street	Sanborn	Obrien	IA	51248	43.180426	-95.658773
Farmers Cooperative Company	141 North Main Street	Paullina	Obrien	IA	51046	42.980556	-95.686111
Midwest Farmers Coop	1016 2nd Avenue	Sheldon	Obrien	IA	51201	43.179167	-95.859167
Siouxland Farmers Coop Association - Ritter	2791 Highway 60 Blvd	Sheldon	Obrien	IA	51201	43.19307	-95.85085
Ag Partners, LLC	6625 460th Street	Sutherland	O'Brien	IA	51058	42.981944	-95.481667
Ag Partners, LLC - Hartley	3232 Vanburn	Hartley	O'Brien	IA	51346	43.182716	-95.505673
C - S Agrow Company	312 South Railroad Avenue	Calumet	O'Brien	IA	51009	42.942667	-95.549194
Cooperative Elevator Association	333 South Central Avenue	Hartley	O'Brien	IA	51346	43.17725	-95.477333
Enterprise Terminal and Storage - Sanborn	3220 Silver Avenue	Sanborn	O'Brien	IA	51248	43.182823	-95.624157
Hartley Fert. Plant	6531 320 Street	Hartley	O'Brien	IA	51346	43.184944	-95.50156
Verasun LLC	3260 Van Buren Avenue	Hartley	O'Brien	IA	51346	43.18294	-95.50569
Cooperative Elevator Association	1107 2nd Avenue	Sibley	Osceola	IA	51249	43.394167	-95.753611
Cooperative Elevator Association - Harris NH3	6905 - 140th Street	Harris	Osceola	IA	51345	43.444722	-95.425556
Cooperative Elevator Association - Ocheyedan	823 Main Street	Ocheyedan	Osceola	IA	51354	43.412777	-95.535009
Farmers Cooperative Society - Melvin	275 Main Street	Melvin	Osceola	IA	51350	43.280833	-95.604722
Otter Creek Ethanol LLC	4970 260th Street North	Ashton	Osceola	IA	51232	43.276944	-95.808333
Sunrise Farms	2060 White Avenue	Harris	Osceola	IA	51345	43.352306	-95.442778
United Farmers Cooperative - Allendorf	1631 Highway 59	Allendorf	Osceola	IA	51354	43.413778	-95.642194
Ag Partners, LLC	1553 18th Street Southwest	Lemars	Plymouth	IA	51031	42.7714	-96.185859
Ag Partners, LLC	214 3rd Street	Merrill	Plymouth	IA	51038	42.718816	-96.249996
Cloverleaf Cold Storage - Lemars	1609 18th Street S.W.	Lemars	Plymouth	IA	51031	42.772222	-96.185
Dean Foods North Central LLC	1 Blue Bunny Drive Southwest	Le Mars	Plymouth	IA	51031	42.779418	-96.183694
Farmers Cooperative Company - Akron Facility	110 River Road	Akron	Plymouth	IA	51001	42.826952	-96.562681

TABLE R34: RISK MANAGEMENT PROGRAM SITES

Company Name	Street Address	City	County	State	Zip Code	Latitude	Longitude
Farmers Cooperative Company - Hinton Facility	105 East Main Street	Hinton	Plymouth	IA	51024	42.62718	-96.28983
Farmers Cooperative Company - Bulk Facility	Highway K-64 and State Highway 3	Oyens	Plymouth	IA	51045	42.809639	-96.055444
Farmers Cooperative Company - Oyens Facility	325 Commercial Street	Oyens	Plymouth	IA	51045	42.818472	-96.059889
Farmers Cooperative Company - Remsen	16461 Marion Street	Remsen	Plymouth	IA	51050	42.816	-95.979
Farmers Cooperative Company - West Lemars	30459 Highway 3	Le Mars	Plymouth	IA	51031	42.793501	-96.224134
Farmers Cooperative Elev. Co. Kingsley	24 West 1st Street	Kingsley	Plymouth	IA	51028	42.586111	-95.969444
Nor-Am Cold Storage	1555 21st Street	Le Mars	Plymouth	IA	51031	42.766864	-96.186058
Plymouth Energy LLC	22056 K-42	Merrill	Plymouth	IA	51038	42.734578	-96.252708
Terragro, Inc. - Kingsley	210 First Street	Kingsley	Plymouth	IA	51028	42.586667	-95.965
Wells' Dairy Inc.	121 2nd Avenue Southeast	Le Mars	Plymouth	IA	51031	42.790376	-96.164654
Wells' Dairy Inc.	1191 18th Street Southwest	Le Mars	Plymouth	IA	51031	42.771891	-96.183564
Ag Partners, LLC	202 Elevator Street	Varina	Pocahontas	IA	50593	42.658083	-94.896028
Crop Production Services	62048 110th Avenue	Fonda	Pocahontas	IA	50540	42.588495	-94.89454
Farmers Coop Co.	206 Main Street	Palmer	Pocahontas	IA	50571	42.628661	-94.603004
First Cooperative Association - Laurens NH3	400 Walnut Street	Laurens	Pocahontas	IA	50554	42.84793	-94.85269
Iowa Industrial Hydraulics Division	21201 510th Street	Pocahontas	Pocahontas	IA	50574	42.74833	-94.69586
Pro Cooperative Inc. - Gilmore City	33333 530th Street	Gilmore City	Pocahontas	IA	50541	42.737694	-94.44575
Pro Cooperative Inc. - Havelock	446 Highway 10	Havelock	Pocahontas	IA	50546	42.83151	-94.69737
Pro Cooperative Inc. - Plover	402 Jackson Street	Plover	Pocahontas	IA	50573	42.879028	-94.62125
Pro Cooperative Inc. - Pocahontas	Highway 4 North	Pocahontas	Pocahontas	IA	50574	42.741139	-94.680917
Pro Cooperative Inc. - Rolfe	601 Broad Street	Rolfe	Pocahontas	IA	50581	42.81268	-94.52995
Advance Brands	101 14th Street Southeast	Orange	Sioux	IA	51041	42.989886	-96.058399
Ag Partners, LLC	601 10th Street Southeast	Alton	Sioux	IA	51003	42.987222	-96.006389
Farmers Coop Society - Ireton	1004 Highway K30	Ireton	Sioux	IA	51027	42.970833	-96.3
Farmers Coop Society - Sioux Center	317 3rd Street Northwest	Sioux Center	Sioux	IA	51250	43.07926	-96.17728
Farmers Cooperative Company - Granville	902 Broad Street	Granville	Sioux	IA	51022	42.986389	-95.873611
Farmers Elevator Co.	1219 Main Street	Rock Valley	Sioux	IA	51247	43.202889	-96.296611
Farmers Elevator Cooperative - Hawarden	902 7th Street	Hawarden	Sioux	IA	51023	42.993138	-96.481941

TABLE R34: RISK MANAGEMENT PROGRAM SITES

Company Name	Street Address	City	County	State	Zip Code	Latitude	Longitude
Golden Crisp Premium Foods Inc.	251 15th Street Northeast	Sioux Center	Sioux	IA	51250	43.093139	-96.172154
Hull Cooperative Association	1206 Railroad Street	Hull	Sioux	IA	51239	43.187814	-96.130834
Midwest Farmers Coop	415 Pine Street	Maurice	Sioux	IA	51036	42.967889	-96.183194
Midwest Farmers Coop - Hospers	101 Locust Street	Hospers	Sioux	IA	51238	43.07378	-95.90585
Midwest Farmers Coop - Maurice	3134 480th Street	Maurice	Sioux	IA	51036	42.953333	-96.168889
Premium Iowa Pork, LLC	108 1st Avenue South	Hospers	Sioux	IA	51238	43.07316	-95.90845
Sioux Fertilizer Inc.	401 3rd Street	Hawarden	Sioux	IA	51023	42.989227	-96.489295
Siouxland Energy & Livestock Coop	3890 Garfield Avenue	Sioux Center	Sioux	IA	51250	43.08446	-96.23038
Siouxland Farmers Coop Association - Boyden	808 Railroad Street	Boyden	Sioux	IA	51234	43.18962	-96.004299
Sioux-Preme Packing Co.	4241 US 75 Avenue	Sioux Center	Sioux	IA	51250	43.035212	-96.175696
Vogel Paint & Wax Co, Inc. - Albany Place	1020 Albany Place Southeast	Orange City	Sioux	IA	51041	42.93443	-96.19333
Fowler Elevator Inc.	120 South Fourth Street	Seymour	Wayne	IA	52590	40.680746	-93.119755
MFA Agri Service - Corydon	2184 Highway 2 West	Corydon	Wayne	IA	50060	40.760278	-93.328611
MFA Agri Service - Humeston	829 North Front Street	Humeston	Wayne	IA	50123	40.867222	-93.500278
MFA Agri Service - Lineville	100 East County Road	Lineville	Wayne	IA	50147	40.595556	-93.521389
Rolling Hills Farm Service Inc.	420 North 4th Street	Humeston	Wayne	IA	50123	40.862388	-93.495282
Rolling Hills Farm Service Inc.	908 Fairgrounds	Corydon	Wayne	IA	50060	40.767396	-93.327063
South Central Coop	319 West Guy Porter Road	Humeston	Wayne	IA	50123	40.85552	-93.496316
Anthon, IA 6062 Satellite (Miller Ave)	207 Miller Avenue	Anthon	Woodbury	IA	51004	42.389292	-95.86739
Cloverleaf Cold Storage	1000 Cunningham Drive	Sioux City	Woodbury	IA	51106	42.464404	-96.33324
Cloverleaf Cold Storage	2800 Cloverleaf Court	Sioux City	Woodbury	IA	51111	42.426853	-96.373628
Cloverleaf Cold Storage	2640 Murray Street	Sioux City	Woodbury	IA	51111	42.426667	-96.37638
Danbury, IA 6010	105 South East Street	Danbury	Woodbury	IA	51019	42.232532	-95.719299
Farmers Coop Elev Co.	315 Tama Street	Salix	Woodbury	IA	51052	42.30803	-96.286239
John Morrell & Co.	1200 Bluff Road	Sioux City	Woodbury	IA	51106	42.480098	-96.386734
Koch Nitrogen Co. LLC - Sergeant Bluff	2735 Port Neal Cir	Sergeant Bluff	Woodbury	IA	51054	42.309085	-96.360859
Nulex Inc.	2717 Portneal Circle	Sergeant Bluff	Woodbury	IA	51054	42.399193	-96.353706
Nutra Flo Company	514 South Floyd Boulevard	Sioux City	Woodbury	IA	51101	42.487008	-96.393033

TABLE R34: RISK MANAGEMENT PROGRAM SITES

Company Name	Street Address	City	County	State	Zip Code	Latitude	Longitude
Sioux City Water Treatment Plant	1101 Tri View Avenue	Sioux City	Woodbury	IA	51103	42.492778	-96.419167
Sioux City WWTP	3100 South Lewis Boulevard	Sioux City	Woodbury	IA	51106	42.452778	-96.370472
TCCS - Sioux City	3939 South Lewis Boulevard	Sioux City	Woodbury	IA	51106	42.440556	-96.373056
Terra Nitrogen Limited Partnership	1182 260th Street	Sergeant Bluff	Woodbury	IA	51054	42.336111	-96.377778
Terragro, Inc. - Anthon	2071 Rock Branch Road	Anthon	Woodbury	IA	51004	42.418301	-95.881654
Terragro, Inc. - Moville	201 North First Street	Moville	Woodbury	IA	51039	42.492778	-96.073889
Tru-Pak Foods Inc.	6201 Mcarthur Street	Sioux City	Woodbury	IA	51111	42.408333	-96.375556
Western Iowa Coop	1919 Highway 141	Sloan	Woodbury	IA	51055	42.234194	-96.23
Western Iowa Coop	3330 Moville Blacktop	Hornick	Woodbury	IA	51026	42.22247	-96.09718
Western Iowa Coop	520 Front Street	Pierson	Woodbury	IA	51048	42.543385	-95.867281
Western Iowa Coop	531 Driftwood	Correctionville	Woodbury	IA	51016	42.28	-95.699
Farmers Coop Assn.	105 Jackson Street	Jackson	Jackson	MN	56143	43.630222	-94.970917
FCA Coop	County Road 14	Lakefield	Jackson	MN	56150	43.672222	-95.152778
FCA Coop	South HWY 71	Jackson	Jackson	MN	56143	43.509000	-94.993889
FCA Coop	Jackson St. & Grove Ave.	Okabena	Jackson	MN	56161	43.738333	-95.317500
Heron Lake Bioenergy LLC	91246 390th Avenue	Heron Lake	Jackson	MN	56137	43.806944	-95.290833
Jackson Terminal	77045 Highway 71 South	Jackson	Jackson	MN	56143	43.602870	-94.994370
Lakefield, MN 6020	44107 Okabena Rd	Lakefield	Jackson	MN	56150	43.682050	-95.191540
New Vision Coop	2117 HWY 60	Heron Lake	Jackson	MN	56137	43.791250	-95.330611
ADM	400 West Erie Road	Marshall	Lyon	MN	56258	44.470560	-95.784170
CHS Inc –Tracy East	649 South Street	Tracy	Lyon	MN	56175	44.234722	-95.627222
CHS, Inc.	1149 S ST	Tracy	Lyon	MN	56175	44.237500	-95.632778
CHS, Inc.-Balaton	300 Lake Ave. South	Balaton	Lyon	MN	56115	44.233333	-95.870278
Cottonwood Coop Oil Co.	3786 Co Rd 9 999 W 1st St.	Cottonwood	Lyon	MN	56229	44.597038	-95.674702
CS-12 Recovered Energy Facility	1270 260th Ave	Garvin	Lyon	MN	56132	44.234203	-95.775095
Heartland Foods Company	112 S. 6th St.	Marshall	Lyon	MN	56258	44.450449	-95.793479
Lyon County Farm Service J.V. Ghent Plant	113 1/2 Burlingame St.	Ghent	Lyon	MN	56239	44.510000	-95.894167
Lyon County Farm Service J.V.-Minneota Plant	117 Industrial Way	Minneota	Lyon	MN	56264	44.560000	-95.990556

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Company Name	Street Address	City	County	State	Zip Code	Latitude	Longitude
Schwan's Food Manufacturing Inc CFP/SFP	1602 Superior Road	Marshall	Lyon	MN	56258	44.468395	-95.793379
Schwan's Global Supply Chain Ice Cream Plant	601 Michigan Rd	Marshall	Lyon	MN	56258	44.466013	-95.790708
Chs Inc - Adrian	24123 Birkett Ave.	Adrian	Nobles	MN	56158	43.643722	-96.014111
Chs Inc - Ellsworth	110 Mulberry Street	Ellsworth	Nobles	MN	56129	43.517222	-96.021333
Farmers Union Coop Oil Company	County Road 16	Lismore	Nobles	MN	56155	43.747306	-95.954167
Fca Coop	125 Roher Ave.	Round Lake	Nobles	MN	56167	43.54125	-95.46625
New Vision Coop	931 1st. Ave.	Brewster	Nobles	MN	56119	43.697639	-95.471389
New Vision Coop	1301 County Rd 5	Worthington	Nobles	MN	56168	43.636083	-95.765583
New Vision Coop	County Hwy 9	Reading	Nobles	MN	56165	43.714306	-95.71225
Swift And Company Worthington	1700 Highway 60 Northeast	Worthington	Nobles	MN	56187	43.617146	-95.587491
United Farmers Coop	101 S. Thompson Avenue	Rushmore	Nobles	MN	56168	43.6175	-95.800056
United Farmers Coop	East Co Rd 35	Rushmore	Nobles	MN	56168	43.63125	-95.780556
United Farmers Coop - Bigelow, Mn	2600 Market Street	Bigelow	Nobles	MN	56117	43.504111	-95.69275
Wilmont Adrian Coop	106 North Third Avenue	Lismore	Nobles	MN	56155	43.756389	-95.945361
Wilmont Adrian Coop	East Hwy 266	Wilmont	Nobles	MN	56185	43.761611	-95.824139
Worthington Industrial Treatment Facility	3250 Highway 60	Worthington	Nobles	MN	56119	43.646167	-95.551694
Worthington Wtp	857 Sherwood St	Worthington	Nobles	MN	56187	43.615279	-95.5963
Worthington Wwtp	1950 27th St N	Worthington	Nobles	MN	56187	43.644829	-95.57994
Chandler Co-Op, Edgerton Agronomy Center	360 Klindt Ave	Edgerton	Pipestone	MN	56128	43.87146	-96.134193
Chs Inc. Pipestone	315 3rd Ave Ne	Pipestone	Pipestone	MN	56164	44.002778	-96.313889
De Kam Feed & Fertilizer	1300 Mechanic Street	Edgerton	Pipestone	MN	56128	43.869041	-96.12699
Hatfield Simplot Grower Solutions	131 Railroad Street	Hatfield	Pipestone	MN	56164	43.956368	-96.196762
Pipestone, Mn 6021	Highway 23 & 75 North	Pipestone	Pipestone	MN	56164	44.003889	-96.306389
Agri Energy Llc	502 South Walnut Street	Luverne	Rock	MN	56156	43.648333	-96.224444
Chs Inc - Luverne	412 South Kniss Avenue	Luverne	Rock	MN	56156	43.650278	-96.213611
Chs Inc - Magnolia	Broadway Street	Magnolia	Rock	MN	56158	43.63345	-96.066799
Gold N Plump Poultry - Luverne	W Highway 4	Luverne	Rock	MN	56156	43.643139	-96.239278
Minnkota Farmers Cooperative	401 South Railroad Ave	Jasper	Rock	MN	56144	43.847528	-96.401361

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Company Name	Street Address	City	County	State	Zip Code	Latitude	Longitude
New Vision Coop	201 East 1st Avenue	Beaver Creek	Rock	MN	56116	43.614887	-96.362564
New Vision Coop	3rd Street & Summit Avenue	Hills	Rock	MN	56138	43.52736	-96.363291
Swmn Farmers Co-Op	South Freeman	Luverne	Rock	MN	56156	43.65118	-96.20963
Swmn Farmers Co-Op	Garfield St.	Magnolia	Rock	MN	56158	43.633444	-96.066806
United Farmers Coop - Bigelow, Mn	2600 Market Street	Bigelow	Nobles	MN	56117	43.504111	-95.69275
Agland Coop - Craig, NE Branch Office	190 South Main	Craig	Burt	NE	68019	41.783361	-96.350417
Agland Coop - Oakland	611 South Logan Street	Oakland	Burt	NE	68045	41.817	-96.472389
Agland Coop - Tekamah Branch Office	"B" Street	Tekamah	Burt	NE	68061	41.76538	-96.2245
Central Valley Ag Cooperative - Tank Farm	108 East Cedar Street	Lyons	Burt	NE	68038	41.9333	-96.46816
Central Valley Ag Cooperative - East Hub	1007 County Road O	Oakland	Burt	NE	68045	41.888389	-96.479306
Great Plains Service Inc. DBA Midwest Service	620 South 13th Street	Tekamah	Burt	NE	68061	41.77247	-96.22131
Linweld Acetylene Plant	11th and Commercial	Oakland	Burt	NE	68045	41.847222	-96.466944
Midwest Service Company	649 South Highway 75	Tekamah	Burt	NE	68061	41.763451	-96.1315
P&W Ag, LLC	1501 West Highway 51	Decatur	Burt	NE	68020	41.988866	-96.249193
CHS Inc. - Magnet	East Main Street	Magnet	Cedar	NE	68749	42.45485	-97.47277
Precision Agronomy LLC	419 Saint James Avenue	Wynot	Cedar	NE	68792	42.739919	-97.169332
Precision Agronomy LLC	North Side Highway 20	Randolph	Cedar	NE	68771	42.381944	-97.358333
Precision Agronomy LLC - Hartington	607 North Robinson	Hartington	Cedar	NE	68739	42.62722	-97.269344
Terra International Inc. - Wynot	419 Street James Avenue	Wynot	Cedar	NE	68792	42.739919	-97.169332
Urwiler Oil and Fertilizer	573rd Avenue	Laurel	Cedar	NE	68745	42.431667	-97.079167
AGP Grain Cooperative	1845 East Assumption Road	Glenvil	Clay	NE	68941	40.509865	-98.355171
AGP Grain Cooperative	2695 East Pauline Boulevard	Glenvil	Clay	NE	68941	40.416711	-98.341347
AGP Grain Marketing LLC - Anan	600 Road 309	Glenville	Clay	NE	68941	40.465583	-98.182816
Aurora Coop - Clay Center	401 West Fairfield	Clay Center	Clay	NE	68933	40.52166	-98.059599
Aurora Coop - Harvard	108 North Adams Avenue	Harvard	Clay	NE	68944	40.617067	-98.095766
Aurora Coop - Harvard East Site	North Furnas Avenue and North Depot Street	Harvard	Clay	NE	68944	40.617222	-98.091111
Aurora Coop - Harvard Poppe Site	302 Harvard Avenue	Harvard	Clay	NE	68944	40.613056	-98.098889

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Company Name	Street Address	City	County	State	Zip Code	Latitude	Longitude
Aurora Coop - ONG	107 Main Street	Ong	Clay	NE	68452	40.394096	-97.83602
Cooperative Producers, Inc. - Saronville	East Hamilton Street	Saronville	Clay	NE	68975	40.603139	-97.936583
Deweese Agri Service	210 South	Deweese	Clay	NE	68934	40.356395	-98.138775
Fairfield Non-Stock Coop Fertilizer Association	30490 Rd-Q	Edgar	Clay	NE	68935	40.408333	-97.995833
Fairfield Non-Stock Coop Fertilizer Association	31080 Road C	Glenvil	Clay	NE	68941	40.493889	-98.241111
Fairfield Non-Stock Coop Fertilizer Association	9865 South Showboat Blv	Pauline	Clay	NE	68941	40.464167	-98.343889
Fairfield Non-Stock Coop Fertilizer Association	202 North	Fairfield	Clay	NE	68938	40.428333	-98.105556
George Bros. Propane & Fertilizer Corp.-Verona	1750 Road 315	Clay Center	Clay	NE	68933	40.55525	-97.965722
George Brothers Propane & Fertilizer Corp.	French Ave. at North Saunders Ave.	Sutton	Clay	NE	68979	40.596472	-97.86025
Harvard Chemical Inc.	403 West Oak Street	Harvard	Clay	NE	68944	40.61803	-98.101367
Heartland Coop - Inland	1 Mile East of Inland on North Side	Inland	Clay	NE	68954	40.597389	-98.204861
Heartland Coop - Trumbull	647 Hartford Street	Trumbull	Clay	NE	68980	40.677583	-98.278083
Superior Deshler Inc. - Edgar	5th and 8th Street	Edgar	Clay	NE	68935	40.375295	-97.976154
Sutton Cooperative Grain Company	Highway 41 West	Sutton	Clay	NE	68979	40.525611	-97.937194
Sutton Cooperative Grain Company - Sutton	West Dld Road	Sutton	Clay	NE	68979	40.610778	-97.880639
Beef Products Inc.	360 164th Street	S. Sioux City	Dakota	NE	68776	42.431111	-96.417778
IBP Inc - Dakota City	Highway 35 North	Dakota City	Dakota	NE	68731	42.425506	-96.416315
Siouxland Ethanol, LLC	1501 Knox Boulevard	Jackson	Dakota	NE	68743	42.4529	-96.5936
Diller Grain Company Inc.	425 Elk Street	Elk Creek	Johnson	NE	68348	40.28416	-96.12748
Battle Creek Farmers Coop - Bloomfield NE	229 North Broadway	Bloomfield	Knox	NE	68718	42.603056	-97.644444
Kehne Fertilizer Company	1st and Clark Avenue	Winnetoon	Knox	NE	68789	42.511667	-97.951389
Precision Agronomy LLC	Highway 84 East	Bloomfield	Knox	NE	68718	42.5975	-97.630278
Cenex/Land O'Lakes Agronomy Center -	East Highway 23	Wallace	Lincoln	NE	69169	40.835667	-101.16319
Hershey Simplot Soilbuilders	401 East Front Street	Hershey	Lincoln	NE	69143	41.1595	-100.99633
Hiline Cooperative, Inc. - Hershey	East Front Street and Patterson	Hershey	Lincoln	NE	69143	41.159194	-100.99919
Hiline Cooperative, Inc. - Sutherland	1.6 Miles E on Hwy 30, Varner Siding	Sutherland	Lincoln	NE	69165	41.158889	-101.09867
Hiline Cooperative, Inc. - Wallace	Highway 23 and Commercial Street	Wallace	Lincoln	NE	69169	40.8365	-101.16617
Hiline Cooperative, Inc. - Wallace	.5 Miles East and .25 Miles North	Wallace	Lincoln	NE	69169	40.835667	-101.14894

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Company Name	Street Address	City	County	State	Zip Code	Latitude	Longitude
Maywood Coop Association - North Platte	Bryan Ave and East Railroad Street	North Platte	Lincoln	NE	69101	41.13868	-100.74863
Maywood Coop Association - Wellfleet	Roanoke and South Railroad Street	Wellfleet	Lincoln	NE	69170	40.75111	-100.73199
Midwest Renewable Energy LLC	27532 West Highway 30	Sutherland	Lincoln	NE	69165	41.163123	-101.08893
Nustar Energy LP - North Platte Terminal	17504 South Highway 83	North Platte	Lincoln	NE	69101	40.976431	-100.75535
Wal Mart	3001 State Farm Road	North Platte	Lincoln	NE	69101	41.093889	-100.73028
Cooney Fertilizer Inc.	4 .5 Miles of Walthill Nebraska	Walthill	Thurston	NE	68067	42.127778	-96.501111
Crop Production Services	605 West Lemmon Highway 87A	Thurston	Thurston	NE	68062	42.177472	-96.705389
Pender Grain, Inc.	3rd and Willis	Pender	Thurston	NE	68047	42.116112	-96.704918
Farmers Cooperative Winside	502 Main Street	Winside	Wayne	NE	68790	42.17582	-97.17524
Precision Agronomy LLC - Wayne	709 Centennial Road	Wayne	Wayne	NE	68787	42.235635	-96.998381
Meckling Fertilizer	45682 West Sd Highway 50	Meckling	Clay	SD	57044	42.841972	-97.065333
Country Pride Cooperative - Freeman	N. Highway 81	Freeman	Hutchinson	SD	57029	43.359167	-97.422
Freeman Fertilizer & Farm Supply	141 Juniper St.	Freeman	Hutchinson	SD	57029	43.353917	-97.443833
Mettler Fertilizer, Inc.	656 East U.S. Hwy 18	Menno	Hutchinson	SD	57045	43.251196	-97.5987
Canton Propane Terminal	28147 South Dakota Highway 11	Canton	Lincoln	SD	57013	43.300966	-96.648376
Chs Inc. - Worthing	47014 State Hwy 44	Worthing	Lincoln	SD	57077	43.330365	-96.803638
Chs, Inc.-Canton Sd	515 E 5th St.	Canton	Lincoln	SD	57013	43.299722	-96.585833
Dakota Fertilizer And Chemical	502 E Milton	Canton	Lincoln	SD	57013	43.298602	-96.587203
Farmers Union Oil Co-Op Assn.	Hwy 11	Canton	Lincoln	SD	57013	43.200167	-96.616806
Hawkins Water Treatment Group - Sioux Falls	27093 Sundowner Avenue	Sioux Falls	Lincoln	SD	57106	43.46225	-96.806733
Sioux River Ethanol, Llc	29619 Spur Ave	Hudson	Lincoln	SD	57034	43.098056	-96.47472
Terra International, Inc. (Canton, Sd)	415 E. 5th	Canton	Lincoln	SD	57013	43.300811	-96.58884
Ameriold, Sioux Falls - Plant # 78421	2300 E. Rice St.	Sioux Falls	Minnehaha	SD	57103	43.562923	-96.698307
Chs Inc - Garretson	601 Depot Avenue/Po Box A	Garretson	Minnehaha	SD	57030	43.710278	-96.506944
Chs Incorporated	401 1st Street	Baltic	Minnehaha	SD	57003	43.760556	-96.741944
Farmers Plant Food, Inc.-Corson	25985 482 Ave	Corson	Minnehaha	SD	57005	43.6	-96.56666
Farmers Plant Food, Inc.-Garretson	205 Railroad	Garretson	Minnehaha	SD	57030	43.71087	-96.50677
John Morrell & Company	1400 North Weber Avenue	Sioux Falls	Minnehaha	SD	57103	43.565167	-96.720056

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Company Name	Street Address	City	County	State	Zip Code	Latitude	Longitude
Orion Food Systems, Inc.	2404 Marietta Place	Sioux Falls	Minnehaha	SD	57107	43.572983	-96.765856
Sioux Falls- City Of	4500 North Sycamore Avenue	Sioux Falls	Minnehaha	SD	57104	43.595139	-96.659722
Sioux Falls Dc Plant # 78416	802 E. Rice Street	Sioux Falls	Minnehaha	SD	57103	43.564217	-96.716905
Sioux Falls Water Purification Plant	2100 North Minnesota Avenue	Sioux Falls	Minnehaha	SD	57104	43.571111	-96.72916
Farmers Co-Op Elevator - Beresford	101 North East Street	Beresford	Union	SD	57004	43.07923	-96.76642
J R Simplot Co Dba Soilbuilder	111 East Street	Beresford	Union	SD	57004	43.077464	-96.769508
Portionables	803 North Derby Lane	N. Sioux City	Union	SD	57049	42.541667	-96.498889
Union County Fertilizer Co	307 North Walnut Street	Elk Point	Union	SD	57025	42.685775	-96.677367
Cimpl Packing Company	1000 Cattle Drive	Yankton	Yankton	SD	57078	42.875278	-97.376389
Water Treatment Plant #1	305 West Riverside Drive	Yankton	Yankton	SD	57078	42.867252	-97.395472
Water Treatment Plant #2	105 West Riverside Drive	Yankton	Yankton	SD	57078	42.866972	-97.39399
Yankton, City of	700 Levee Street	Yankton	Yankton	SD	57078	42.86848	-97.382317