

GOAL: Collect product flowing over Onalaska spillway to protect downstream resources

Site Number	Waterbody, River Mile	Site Name	
BR5	Black River n/a	Onalaska Spillway Carry-In Access	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	250	Y	Y
Strategy Implementation (Go to Aerial View)			
In low water conditions, boom to LDB below spillway at Sias Isles. In high water, deflect spilled product to RDB for collection downstream. Decent staging area on site.			
Site Access			
Carry-in canoe access at foot of Irvin St. in Waterfront Park in Onalaska. Anchor boom at spillway, reached on land from Fisherman's Rd. at La Crosse Airport on RDB.			
Latitude: 43.880943		Longitude: -91.236229	



Looking upstream at spillway



Looking south at park and carry-in access

GOAL: Divert spilled product to other shore for collection at I-90

Site Number	Waterbody, River Mile	Site Name	
BR6	Black River n/a	Lauderdale Court	
Strategy Type*	Boom Length	Land Access	Boat Access
Div.	1500	Y	N
Strategy Implementation (Go to Aerial View)			
Divert at Wittenburg Marsh to deflect spilled product away from homes and docks and collect on RDB. Boom from N end of riprap and dock to keep oil from shore. Use 1000 ft. boom to divert and 500 ft. boom to exclude from development.			
Site Access			
From WI Hwy 35 just N of I-90, go W and N 500 ft. on George St., then W 500 ft. on Lauderdale Place, then N and W on Lauderdale Ct. to end.			
Latitude: 43.871679		Longitude: -91.24206	



Looking downstream toward development

GOAL: Protect homes and docks by keeping spilled product out of Catgut Slough

Site Number	Waterbody, River Mile	Site Name	
BR7	Black River n/a	Catgut Slough Opening	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	500	N	N
Strategy Implementation (Go to Aerial View)			
Boom across opening to prevent spilled product from entering slough. Divert spilled product to LDB to protect homes and docks and to collect at downstream ramps. If not feasible, collect upstream at I-90 bridge, strategy BR8.			
Site Access			
Catgut Slough opening just below I-90. Reach by boat from accesses downstream on Black River.			
Latitude: 43.861499		Longitude: -91.248858	



Looking west into Catgut Slough



Developed shoreline downstream

GOAL: Collect spilled product to protect urban area downstream

Site Number	Waterbody, River Mile	Site Name	
BR8	Black River n/a	I-90 at Black River	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	1000	Y	N
Strategy Implementation (Go to Aerial View)			
During high water conditions, boom across river to collect spilled product at bridge and protect citizens, homes and boats downstream. Safety support needed to block one lane of eastbound traffic for response vehicles.			
Site Access			
I-90 at Black River, half mi. E of French Island exit or half mi. W of US Hwy 53 exit. Access to river blocked by fence, contact State Patrol and Wisconsin DOT for assistance. Boat access from La Crosse municipal ramps downstream.			
Latitude: 43.862635		Longitude: -91.24611	

GOAL: Collect spilled product if not feasible above urban area

Site Number	Waterbody, River Mile	Site Name	
BR9	Black River n/a	Northside Beach Ramp	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	1000	Y	Y
Strategy Implementation (Go to Aerial View)			
Collect spilled product at upstream ramp for collection. Good staging and access. Public meeting rooms offer good site for Incident Command: food service, fuel, boat repair nearby. Paddlefish use area, seek guidance from Fish & Wildlife Service.			
Site Access			
From I-90, go S 1.5 mi. on US Hwy 53 (Rose St.), then W on Logan, Gold, or Clinton St. to public boat ramps at Copeland Park.			
Latitude: 43.84318		Longitude: -91.25032	



Two upper ramps



Clinton Street bridge and lower ramp

GOAL: Collect spilled product if not feasible above urban area

Site Number	Waterbody, River Mile	Site Name	
BR10	Black River 1.4 LDB	Midwest Industrial Asphalt	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	500	Y	N
Strategy Implementation (Go to Aerial View)			
If collection not viable at upstream ramps, collect at facility docks. Secure facility, contact for authorization. Barges may be present. Facility has 1400 ft. boom: 3 bank-side lockers w/150 ft. each, 3 boats w/500 ft., trailer w/400 ft. boom.			
Site Access			
From I-90, go S 2 mi. on US Hwy 53 (Rose St.), then W on Hagar St. to facility. Contact facility for access.			
Latitude: 43.834855		Longitude: -91.2540745	



Midwest Fuels main entrance



Barges moored at Midwest Fuels

GOAL: Notify facility of spill, protect intake if help is requested

Site Number	Waterbody, River Mile	Site Name	
BR11	Black River 0.9 RDB	Xcel Energy - French Island	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	100-1000	Y	N
Strategy Implementation (Go to Aerial View)			
Notify facility of spill. To protect water intake, exclude with 100 ft. boom. Alt: Place 1000 ft. boom across channel to collect spilled product at barge loading dock. Good access to Black and Mississippi Rivers. Contact facility for access.			
Site Access			
From I-90, go S 1.5 mi. on US Hwy 53 (Rose St.), then W on Clinton St. across Black River, then S to end of Bainbridge St. Intake .2 mi. S of CP Rail bridge on RDB.			
Latitude: 43.829119		Longitude: -91.259039	



Xcel Energy plant and intake



CP Rail bridge above Xcel Energy plant

GOAL: Boom to keep spilled product from entering East Channel

Site Number	Waterbody, River Mile	Site Name	
701a	Mississippi River 701.5 LDB	701a	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	1000-2500	N	N
Strategy Implementation (Go to Aerial View)			
Cascade boom to exclude spilled product from entering East Channel. Alternately, N side of East Channel Point can be used as a collection area in certain conditions. Collection must be carried out by boat or barge.			
Site Access			
Two openings on LDB just below I-90 bridge. Reach from Lower I-90 landing directly across river.			
Latitude: 43.856306		Longitude: -91.295889	

GOAL: Collect oil along railroad tracks or divert oil from shore to protect downstream homes

Site Number	Waterbody, River Mile	Site Name	
701b	Mississippi River 701.1 RDB	701b	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	500-1000	Y	N
Strategy Implementation (Go to Aerial View)			
Area could be used to anchor deflection boom to protect homes downstream or as a collection area along CP tracks. Private land downstream not feasible for response actions. Contact CP for help in any action scenario.			
Site Access			
Railroad bed along main channel, below I-90 bridge and above homes on shore. Access by boat from Lower I-90 landing .5 mi. upstream. Land access only along CP tracks, call for track protection to help in response.			
Latitude: 43.847361		Longitude: -91.296889	

GOAL: Divert spilled product into culvert for collection in low area between roads

Site Number	Waterbody, River Mile	Site Name	
699a	Mississippi River 699.7 RDB	699a	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	500	Y	N
Strategy Implementation (Go to Aerial View)			
In high water conditions, spilled product can be deflected to culvert and pumped into low area between roads and railroad. Slack water at riprap shore. Contact City of La Crescent to access collection area.			
Site Access			
From La Crescent, follow US Hwy 14/61 E 1 mi., then E and NW on Shore Acres Dr. .5 mi. to water control structure. Culvert just below railroad bridge, near end of wooden structures along shore. Small gravel turnaround.			
Latitude: 43.830662		Longitude: -91.281384	



Landward end of culvert



Looking upstream at rail bridge, culvert under trees at left

GOAL: Close culvert to prevent spilled product from spreading into Blue Lake

Site Number	Waterbody, River Mile	Site Name	
699c	Blue Lake n/a	Blue Lake 1	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	50	Y	N
Strategy Implementation (Go to Aerial View)			
Boom across culvert opening on N side of road to prevent oil spilled into upper Blue Lake from spreading into lower part of lake and further backwaters. Safety support needed to block one lane of westbound traffic for response vehicles.			
Site Access			
Quarter mi. E of junction of US Hwy 14/61 and Co. Hwy 16 in La Crescent. Culvert flows under highway just E of eastbound speed limit sign. Contact State Patrol and MN DOT for assistance.			
Latitude: 43.825252		Longitude: -91.2985145	



Looking south over culvert outlet, bottom center



Culvert inlet, blocked by vegetation

GOAL: Close culvert to prevent spilled product from entering Blue Lake backwaters from entering Blue Lake backwaters

Site Number	Waterbody, River Mile	Site Name	
699b	Mississippi River 699 RDB	Blue Lake 2	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	50	Y	N
Strategy Implementation (Go to Aerial View)			
In high water, boom and sandbag to exclude spilled product from entering culvert to Blue Lake backwaters. 2nd culvert 600 ft. W at road has flap cover to lessen flow back toward river. Wetland between culverts could be used as collection area.			
Site Access			
From La Crescent, follow US Hwy 14/61 E 1.5 mi., then E on DNR Landing Rd., then S 500 ft. on Shore Acres Dr. to culvert just past 66 Shore Acres Dr. Sportsmen's Landing boat access 300 ft. S on same shore.			
Latitude: 43.82055		Longitude: -91.27484	



Culvert opening, Sportsmen's Landing dock and US Highway 14/61 in background



Second culvert opening, 600 ft. inland

GOAL: Contain and collect spilled product in West Channel to protect downstream resources

Site Number	Waterbody, River Mile	Site Name	
698a	Mississippi River 698.9 RDB	Sportsmen's Landing	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	800	Y	Y
Strategy Implementation (Go to Aerial View)			
Boom to collect spilled product from West Channel. Fair staging location.			
Site Access			
From La Crescent, follow US Hwy 14/61 E 1.5 mi., then E and SE to end of DNR Landing Rd.			
Latitude: 43.81952		Longitude: -91.27436	



Concrete ramp at Sportsmen's Landing

GOAL: Contain and collect spilled product in West Channel to protect downstream resources

Site Number	Waterbody, River Mile	Site Name	
698b	Mississippi River 698.5 RDB	South Bay Marina	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	1000	Y	N
Strategy Implementation (Go to Aerial View)			
Boom from US Hwy 14/61 bridge toward marina to collect spilled product from West Channel. Good staging on site. Slow flow in channel and slack water at N end of marina.			
Site Access			
From La Crosse, follow US Hwy 14/61 W 1 mi. across river to old marina site on Barron Island. Private marina, contact operator for use.			
Latitude: 43.81651		Longitude: -91.26888	



Looking west from dock. US Highway 14/61 bridge in the background, at right.



Marina parking lot for staging

GOAL: Collect product spilled on La Crosse River to keep from entering Mississippi River

Site Number	Waterbody, River Mile	Site Name	
698d	Mississippi River 698.1 LDB	LaCrosse River Mouth	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	200	Y	N
Strategy Implementation (Go to Aerial View)			
In event of railroad or highway spill upstream on La Crosse River, boom 200 ft. across mouth of La Crosse River to collect at shore. River 3-4 ft. deep at mouth. Collect from shore. Ample staging and space for Incident Command post in park.			
Site Access			
Confluence of La Crosse and Mississippi and Black Rivers, at N end of Riverside Park in La Crosse. From I-90, go S 5 mi. on US Hwy 53, then W on State St. to end, then N to end of park at paddleboat dock or Riverside Museum (608-782-1980 Jun - Aug).			
Latitude: 43.818701		Longitude: -91.256025	



Looking east into La Crosse River, park to right

GOAL: River access for spill response

Site Number	Waterbody, River Mile	Site Name	
697a	Mississippi River 697.4 LDB	697a	
Strategy Type*	Boom Length	Land Access	Boat Access
Other	1000	Y	N
Strategy Implementation (Go to Aerial View)			
Main use of site is for access to river. Use of site for containment and collection possible when river stage is below 7 ft.			
Site Access			
From US Hwy 14/61, turn S on 3rd St., then W to end of Division St. Just below highway bridge. Private ramp can be used by FD in emergency situations.			
Latitude: 43.806687		Longitude: -91.2580386	



Earthen ramp at foot of Division St.



Looking north at ramp, with US Hwy 14/61 bridge behind

GOAL: Exclude spilled product to protect sensitive Target Lake backwaters

Site Number	Waterbody, River Mile	Site Name	
696c	Mississippi River 696.6 RDB	Target Lake	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	500	N	N
Strategy Implementation (Go to Aerial View)			
Boom across opening to keep spilled product from entering Target Lake backwaters. Flow varies with river conditions. Booming may not work in heavy flow of high water conditions.			
Site Access			
Target Lake opening across river from La Crosse Municipal Boat Harbor.			
Latitude: 43.795118		Longitude: -91.266366	



Entrance to Target Lake, looking west

GOAL: Contain spilled product to keep oil from reaching sensitive middle pool backwaters

Site Number	Waterbody, River Mile	Site Name	
696d	Mississippi River 696.4 RDB	Broken Arrow Slough	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	1000-1500	N	N
Strategy Implementation (Go to Aerial View)			
If possible, collect oil in top of slough to prevent spill from reaching middle pool backwaters. Keep oil out of Target Lake backwaters. Flow varies with river conditions. Booming may not work in high water. Trees offer solid anchor points.			
Site Access			
Broken Arrow Slough, .3 mi. downstream of and across river from La Crosse Municipal Boat Harbor.			
Latitude: 43.791886		Longitude: -91.265177	



Entrance to Broken Arrow Slough, looking southwest

GOAL: Contain and collect spilled product to protect sensitive middle pool backwaters

Site Number	Waterbody, River Mile	Site Name	
696a	Mississippi River 696.7 LDB	La Crosse Boat Harbor	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	1000	Y	Y
Strategy Implementation (Go to Aerial View)			
Use marina harbor for containment and collection, as no other collection sites before oil reaches middle pool backwaters. Good staging and access.			
Site Access			
Off channel on Isle La Plume, S of Houska Park and sewage treatment plant.			
Latitude: 43.797121		Longitude: -91.259609	



Access ramp at La Crosse Boat Harbor



Harbor mouth, looking south

GOAL: Divert spilled product to MN shore to protect sensitive middle pool backwaters

Site Number	Waterbody, River Mile	Site Name	
696b	Mississippi River 696.4 LDB	696b	
Strategy Type*	Boom Length	Land Access	Boat Access
Div.	2000	Y	N
Strategy Implementation (Go to Aerial View)			
Prevent oil from reaching middle pool backwaters by diverting spilled product to MN shore. Good anchor point for boom on shore by marina store.			
Site Access			
On Isle La Plume, W side of Marco Dr.			
Latitude: 43.792886		Longitude: -91.260561	



Oil barge moored at Isle La Plume

**GOAL: Prevent spilled product from entering
Swift Creek backwaters**

Site Number	Waterbody, River Mile	Site Name	
695a	Mississippi River 695.7 LDB	Green Island Park	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	300	Y	Y
Strategy Implementation (Go to Aerial View)			
Attach boom to trees upstream from boat landing and behind the ice arena. Boom across opening to prevent spilled product from entering Swift Creek backwaters. Staging at ice arena.			
Site Access			
At boat access in Green Island Park, 7th St. S in La Crosse.			
Latitude: 43.78881		Longitude: -91.25171	



Boat access ramp at Green Island Park



Swift creek opening at left, looking south

GOAL: Boom to divert oil toward MN shore to protect sensitive middle pool backwaters

Site Number	Waterbody, River Mile	Site Name	
694a	Mississippi River 694.9 LDB	694a	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	2000-3000	N	N
Strategy Implementation (Go to Aerial View)			
Cascade boom to keep spilled product from entering Running Slough, Sand Slough, or Dark Slough and middle pool backwaters. High priority area, despite difficulty.			
Site Access			
SE tip of island. Reach from Green Island Park 7th Street landing, 1 mi. upstream on LDB. Island lies half mi. upstream of Running Slough.			
Latitude: 43.777562		Longitude: -91.24281	



Looking southeast into main channel of Running Slough



Smaller, silted side channel south of Running Slough

GOAL: Keep spilled product from entering Dark Slough and sensitive backwaters

Site Number	Waterbody, River Mile	Site Name	
694b	Mississippi River 694.4 LDB	694b	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	700	N	N
Strategy Implementation (Go to Aerial View)			
Boom to exclude spilled product from entering backwaters. Opening is 150 ft. wide, may need to cascade boom or use a barge due to current. Kick out tie-off boom, not shore to shore. Push product to MN shore if possible.			
Site Access			
Opening to Dark Slough, 1.5 mi. S of Green Island Park landing.			
Latitude: 43.76878		Longitude: -91.241335	



Looking southeast into Dark Slough

GOAL: Keep spilled product from entering sensitive backwaters

Site Number	Waterbody, River Mile	Site Name	
694c	Mississippi River 694.2 LDB	694c	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	600	N	N
Strategy Implementation (Go to Aerial View)			
Boom to exclude spilled product from entering backwaters. Snags make use of barge untenable. Kick out tie-off boom, not shore to shore. Push product to MN shore if possible.			
Site Access			
Opening to slough, 1.7 mi. S of Green Island Park landing.			
Latitude: 43.7666715		Longitude: -91.2431747	



Looking south into slough opening



Large sandbar on northeast shore of slough could be used for staging in response

GOAL: Boom to keep spilled product from spreading into Running Slough

Site Number	Waterbody, River Mile	Site Name	
693a	Mississippi River 693 LDB	La Crosse Marshes	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	1000	N	N
Strategy Implementation (Go to Aerial View)			
For a rail or road spill at S end of La Crosse, boom across outlet to prevent product from spreading into Running Slough. Limited access depending on water conditions. In lower water, equipment must be small with multiple trips. Burning an option.			
Site Access			
Marshes above Goose Island, near US Hwy 14/WI Hwy 35 junction. Reach from Upper Goose Island landing, .6 mi. W of outlet. Several outlets in low water, broad opening in high water.			
Latitude: 43.745249		Longitude: -91.208808	



Box culvert under railroad bridge on east shore of marsh



Main marsh opening, looking west

GOAL: Prevent spilled product from passing under road to Goose Island No-Hunting Zone

Site Number	Waterbody, River Mile	Site Name	
691a	Mississippi River 691.5 LDB	Running Slough	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	200	Y	N
Strategy Implementation (Go to Aerial View)			
Boom across slough to prevent spilled product from flowing into Goose Island No-Hunting Zone, very high use waterfowl area. Need 200 ft. boom for main slough. Consider burning if significant oil and little vegetation.			
Site Access			
Main slough under Goose Island access road. Reach from WI Hwy 35, 1.5 mi. S of US Hwy 14/WI Hwy 35 junction at S end of La Crosse. Bridge lies .2 mi. W of WI Hwy 35 along Co. Hwy GI.			
Latitude: 43.726806		Longitude: -91.204604	



Co. Hwy GI bridge over Running Slough, looking west



Looking east under bridge from riprap on west shore

GOAL: Prevent spilled product from passing under road to Goose Island No-Hunting Zone

Site Number	Waterbody, River Mile	Site Name	
691c	Mississippi River 691.5 LDB	Co. Hwy GI Culverts	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	200	Y	N
Strategy Implementation (Go to Aerial View)			
Boom across culverts to prevent spilled product from flowing into Goose Island No-Hunting Zone, very high use waterfowl area. Need 50 ft. boom each for pair of culverts. Consider burning if significant oil and little vegetation.			
Site Access			
Four pairs of culverts under Goose Island access road. Reach from WI Hwy 35, 1.5 mi. S of US Hwy 14/WI Hwy 35 junction at S end of La Crosse. Culverts cross 350, 450, 550, and 1000 ft. W of bridge. Small culverts, may be hidden by vegetation.			
Latitude: 43.726806		Longitude: -91.204604	



Looking northeast across Running Slough at first culvert

GOAL: Prevent spilled product from passing under road to Goose Island No-Hunting Zone

Site Number	Waterbody, River Mile	Site Name	
691d	Mississippi River 691.5 LDB	Goose Island Culverts	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	100	Y	N
Strategy Implementation (Go to Aerial View)			
Boom across culverts to prevent spilled product from flowing into Goose Island No-Hunting Zone, very high use waterfowl area. Need 50 ft. boom each for single and paired culverts. Consider burning if significant oil and little vegetation.			
Site Access			
Three culverts under Goose Island access road. Reach from WI Hwy 35, 1.5 mi. S of US Hwy 14/WI Hwy 35 junction at S end of La Crosse. Culverts cross 1 mi. W of WI Hwy 35 along Co. Hwy GI. Single culvert 500 ft. E of pair.			
Latitude: 43.726806		Longitude: -91.204604	



Single culvert outlet under Co. Hwy GI, looking south



Two culverts on Running Slough, 1 mile west of bridge

GOAL: Divert product spilled into Goose Island No-Hunting Zone to railroad overflow pond

Site Number	Waterbody, River Mile	Site Name	
691b	Mississippi River 691 LDB	BNSF Overflow Pond	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	50	N	N
Strategy Implementation (Go to Aerial View)			
In event of a spill from railroad into Goose Island No-Hunting Zone, collect by pushing oil through 48 in. culvert from Pool 8 to overflow pond. Consider burning to prevent spread of oil into Pool 8.			
Site Access			
Overflow pond behind RR tracks at rail mile 290.5. Along WI Hwy 35, 3 mi. S of US Hwy 14/WI Hwy 35 junction. Shore access only by airboat. Deeper water approach from S, but must cross wild rice beds. Consult US FWS for guidance.			
Latitude: 43.713892		Longitude: -91.20931	



Oil train passing overflow pond in foreground



West end of culvert, looking northwest into Goose Island No Hunting Zone

GOAL: Keep spilled product from entering Crosby Slough

Site Number	Waterbody, River Mile	Site Name	
690a	Mississippi River 690.8 LDB	Crosby Slough	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	1000	N	N
Strategy Implementation (Go to Aerial View)			
Anchor boom to trees and across slough openings to keep spilled product in main channel. Kick out tie-off boom, not shore to shore. Push product to MN shore if possible. May not be necessary with S or E wind, evaluate conditions.			
Site Access			
Opening to Crosby Slough. Reach from Wildcat Landing, 2 mi. S on RDB.			
Latitude: 43.718456		Longitude: -91.257943	



Looking southeast into Crosby Slough



Small opening south of Crosby Slough

GOAL: Boom across opening to prevent spilled product from entering Lawrence Lake

Site Number	Waterbody, River Mile	Site Name	
690b	Mississippi River 690.2 RDB	Lawrence Lake	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	800	Y	N
Strategy Implementation (Go to Aerial View)			
S wind can push flow into Lawrence Lake. Boom across opening to keep spilled product from entering backwater. Carry boom to shore, use boat to drag to upper island. Lower, revetted island too far into current. Negligible staging on site.			
Site Access			
Lawrence Lake outlet. Reach by boat from Wildcat Landing, 1.6 mi. S on RDB. Road access has tight, steep turn. Land access to water limited by RR tracks along shore.			
Latitude: 43.712507		Longitude: -91.270317	



Lake outlet, looking east. Nearer spit at left is upper island for anchoring boom. CP Rail tracks in foreground.



Looking north into Lawrence Lake

GOAL: Contain spill and collect product on Minnesota shore to protect downstream habitat

Site Number	Waterbody, River Mile	Site Name	
689a	Mississippi River 689.7 RDB	689a	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	3000	N	N
Strategy Implementation (Go to Aerial View)			
Cascade boom to contain spill in main channel along MN shore. Pump oil through culvert to highway staging area. Safety support needed to block one lane of northbound traffic for response vehicles.			
Site Access			
Quarter mi. S of Lawrence Lake outlet along Co. Hwy 26 near Brownsville, MN. Culvert flows under highway and RR tracks. Contact State Patrol and MN DOT for assistance.			
Latitude: 43.70515		Longitude: -91.26987	

GOAL: Boom across slough openings to protect sensitive habitats

Site Number	Waterbody, River Mile	Site Name	
688a	Mississippi River 688.9 LDB	688a	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	800	N	N
Strategy Implementation (Go to Aerial View)			
Anchor boom to grove of mature trees on N side of opening to small grove on other side to keep spilled product in main channel. Alt: Boom higher up LDB to divert product to MN shore. May not be necessary with S or E wind, evaluate conditions.			
Site Access			
Slough openings across from Brownsville, MN. Access and staging from Wildcat Landing, half mi. S across river. Snags present on north side of opening.			
Latitude: 43.694757		Longitude: -91.265129	



Early summer vegetation along slough opening



Upstream trees for anchoring boom

GOAL: Best access and staging for lower Pool 8

Site Number	Waterbody, River Mile	Site Name	
688b	Mississippi River 688.4 RDB	Wildcat Landing	
Strategy Type*	Boom Length	Land Access	Boat Access
Other		Y	Y
Strategy Implementation (Go to Aerial View)			
Excellent staging area. Best boat access to lower Pool 8. Flow normally too strong, but collection is possible at upper ramp. May need 3000 ft. of cascade boom to carry out containment.			
Site Access			
Lies .3 mi. S of Brownsville along Co. Hwy 26. Follow signs to landing.			
Latitude: 43.686848		Longitude: -91.272678	



Concrete ramps at Wildcat Landing, looking east

GOAL: Boom across notch in dam to keep spilled product out of Eagle Island backwater

Site Number	Waterbody, River Mile	Site Name	
686a	Mississippi River 686 LDB	Eagle Island	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	50	N	N
Strategy Implementation (Go to Aerial View)			
Boom across notch to keep spilled product from entering Eagle Island backwater. No significant vegetation to tie boom off.			
Site Access			
Notch in dam half mi. N of Stoddard, 800 ft. from shore along N side of Eagle Island. Water access only. Access and stage from Stoddard park boat landing. Can be reached on foot from Eagle Island observation point along road.			
Latitude: 43.677767		Longitude: -91.225583	



Notch in Eagle Island dam structure, looking south



Same notch, looking northeast

GOAL: Contain and collect spilled product to prevent spread into Refuge

Site Number	Waterbody, River Mile	Site Name	
685a	Mississippi River 685 LDB	Stoddard	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	250	Y	Y
Strategy Implementation (Go to Aerial View)			
For a spill originating in Stoddard, contain product and collect at boat ramp to prevent spread into refuge. Two small paved ramps with gravel lot and small covered pavillion.			
Site Access			
From WI Hwy 35, go W on Center St. across RR tracks, then S on Pearl St., then W on Elm St., then S to end of Forest Lane to ramp.			
Latitude: 43.65721		Longitude: -91.22499	



Boat access at Stoddard



Parking area for staging

GOAL: Boom across spillway to keep spilled product from entering Pool 9 backwaters

Site Number	Waterbody, River Mile	Site Name	
681a	Mississippi River 681.1 RDB	Dam 8 - Renno	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	750	Y	N
Strategy Implementation (Go to Aerial View)			
Boom across opening to prevent spilled product from entering Pool 9 backwaters. Limited accessibility for collection equipment, but can be done along Dike Rd.			
Site Access			
Concrete spillway along Dam 8 near Renno Walk-In access along Houston Co. Hwy 26 at Dam 8. Locked gate on Dike Rd. to access from land, contact USACE.			
Latitude: 43.60185		Longitude: -91.26635	



Army Corps of Engineer's gate to access Dam 8



Culvert opening on north side of Dam 8

GOAL: Boom across spillway to keep spilled product from entering Pickerel Slough in Pool 9

Site Number	Waterbody, River Mile	Site Name	
680a	Mississippi River 680.5 RDB	Dam 8 - Pickerel	
Strategy Type*	Boom Length	Land Access	Boat Access
Exc.	1350		
Strategy Implementation (Go to Aerial View)			
Boom across opening to prevent spilled product from entering Pool 9 backwaters. Limited accessibility for collection equipment, but can be done along Dike Rd.			
Site Access			
Culvert midway across dam at top of Pickerel Slough. Nearest land access from Houston Co. Hwy 26 at Dam 8. Locked gate on Dike Rd. to access from land, contact USACE.			
Latitude: 43.59027		Longitude: -91.2475	



Looking west along dam, culvert location in distance



Culvert opening on north side of Dam 8

GOAL: Contain and collect spilled product above locks to keep from entering Pool 9

Site Number	Waterbody, River Mile	Site Name	
679a	Mississippi River 679.3 LDB	Lock & Dam 8	
Strategy Type*	Boom Length	Land Access	Boat Access
C&C	1000	Y	N
Strategy Implementation (Go to Aerial View)			
Boom to collect spilled product from main channel in slack water pool above the locks. Contact Lockmaster for access permission. Small staging area on site, or larger area at Genoa or power plant just downstream.			
Site Access			
Small holding pool above Lock & Dam 8, 4405 Highway 35, Genoa, WI.			
Latitude: 43.571951		Longitude: -91.229246	



Locks at Dam 8



BNSF emergency response box at Lock & Dam 8