

Superior Region**Lines 1-4, 13, 67****Tactical**

Template version 2.8.2

REDACTED SUBMITTAL - PUBLIC COPY**SPILL CONTINGENCY PLAN****SURCP0151**

GPS (NAD 83) Decimal/Degree:	Latitude:		Upstream Control Point:			Upstream Valve Site /s:	
	Longitude:						
Distance to POE:	Upstream:		Downstream Control Point:			Downstream Valve Site /s:	
Objective: Control Point	CONTROL POINT ON CASS LAKE						

Watercourse InformationName: **Cass Lake**

Watercourse Depth: 120'

Watercourse Width: 7 miles

Watercourse Description:

The Control Point is located on the southwest shore of Cass Lake, in the city of Cass Lake. The road into the Minnesota Department of Transportation Rest Area is a two lane paved road and offers access to the southwest side of Cass Lake. Once approval is granted to use the boat launch, the site will provide optimal conditions for instant access and remediation. The property affords nearly 2000' of shoreline that can be used to promote containment and recovery options. Upstream of the control point Cass Lake is fed by the Mississippi River and Bemidji Lake, from the northwest corner. Downstream of the control point the lakes flow moves northeast into the Mississippi River and Lake Winnibigoshish. The watercourse provides enough depth for full size work boats.

For current flow velocity, view the USGS website. (<https://waterdata.usgs.gov/il/nwis/current/?type=flow>). Cass Lake has wind driven surface flow that will vary day to day. Although it is unlikely that contaminants would reach the Knutson Dam, it is important for responders to be prepared

Logistical Information

Site Access Requirements:	Dry Conditions: Truck, UTVs Wet Conditions: 20m of matting
Staging Area Location:	There is ample room for staging in the main parking lot at the rest area and near the shoreline. The lot and beach can accommodate a staging area up to 100'x100'. This staging area can house needed supplies, offices, port-a-johns, and serve as the operation dispatch center for spill response resources.
Work Area Location/ Comments:	The shoreline adjacent to the control point will be utilized as the work area. A work area of 15ft x 15ft can be constructed adjacent to the collection point and be utilized for the extraction and recovery process to ensure minimal impact to the environment, and to create sustainable infrastructure, for heavier and more abundant traffic.
Boat Launch Access:	There is a boat launch at the Minnesota Department of Transportation Rest Area, which can be utilized as a logistical midpoint between the upstream and downstream control points. The boat launch is comprised of poured concrete and is approximately 35' wide. It may require repairs prior to or following the termination of use. The launch area should be closed to all nonessential personnel likely require security
Site Comments/ Restrictions:	This is a Minnesota Department of Transportation Rest Area, and will therefore require all the necessary permitting, and approval. The site is adjacent to the pipeline ROW, and will be essential to terminating the leak and containing the point of entry. Additionally, a traffic plan for traffic flow through the staging area should be established with security personnel (check in/check out), vehicles, and inventoried equipment.

Resources at Risk / Environmental Sensitive Areas

Pending a release event size and unforeseen characteristics, the resources at risk can be any, all or none of the following; the immediate area around release location, the community, Cass Lake, Pike Bay and the Mississippi River. Other operators, Cass County and surrounding counties, fish, wildlife and waterfowl. Contact Enbridge Environment Department for further details. Wetland/waterbody impacts likely. High archaeologic/historical potential. Protected species potentially present. Federal, state and local approval likely required. State land. Contact Environment Department for clearance before proceeding.

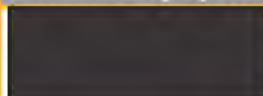
Safety Concerns

Utilize flaggers to direct traffic around work site entrance. Security is needed to keep out all nonessential personnel and direct supplies to their prospective areas. Depending on levels of soil saturation, matting may be required for ease of access. The site also has overhead powerlines, that will need to be marked off with posts and flagging in accordance with Enbridge's HASP. Consider implementing a roadblock and redirecting traffic around the work area. Makes sure a line locate is performed prior to the disturbance of any sediment.

Product pending, screen for LEL, O2, Benzene and Toluene and wear proper PPE. Ensure a small decontamination area is created to prevent cross contamination.

Implementation**Seasonal Considerations**

Implementation tactics would change with wind speeds exceeding 3 mph and in extreme weather conditions stage. Winter Spill response tactics should also be generated for this control point.

Closest Equipment Cache to CP**Business / Landowner Contact Information**

Minnesota Department of Transportation (651) 296-3000
Minnesota Rest Area
3920 Highway 2 W
Bemidji MN
56601
Contact the Superior Region land agent for additional information.

Strategy Site Visited:

Strategy Updated:

17-Nov-2016

17-Nov-2016



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Recommended Equipment

Quantity	Description
4	Work Boats
5500'	6"x6" Hard Containment Boom
50	Hand Line Bridles
6000'	1/2" Rope
2	Skimmer/Port-A-Vac
50	Danforth Anchors
8	Wing Anchors
30	T-Posts
1plt	Debris Bags
3/3/3	Rakes, Shovels, Sheers
1	Boom Vane

Recommended Personnel

Number	Description
1	Supervisor
1	Safety Inspector
6	Shoreline Crew
4/4	Boat Operator & Deckhand
2	Vacuum Truck Operator
2	Site Security
2	Flaggers/Rail Crossing Guard
1	Dockmaster

Equipment Notes

Equipment requirements will vary depending on the sites weather conditions, the tactics provided will be most widely usable with different environmental factors. Cass Lake has a sub-surface flow that moves north west toward Lake Winnibigoshish, however the biggest factor in product movement will be the direction of the wind, and should be addressed prior to the installation of the containment configuration.

Directions



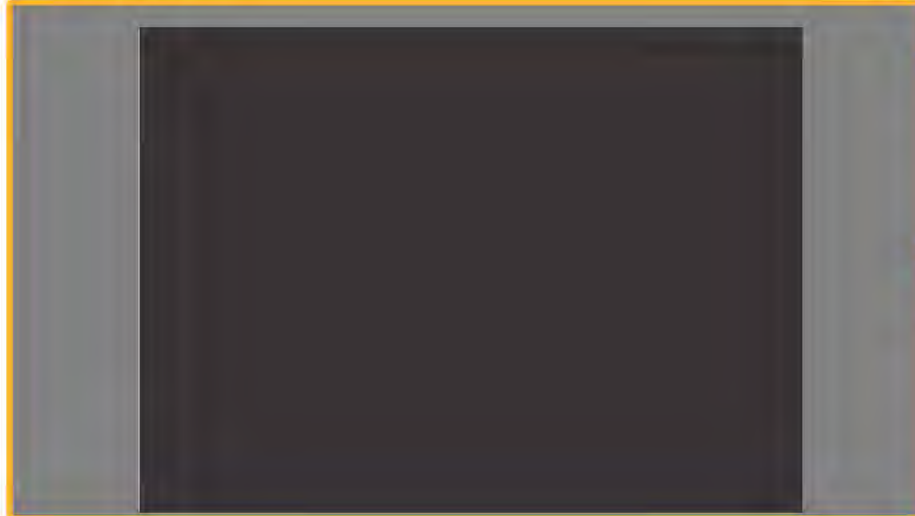
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Strategy Updated:

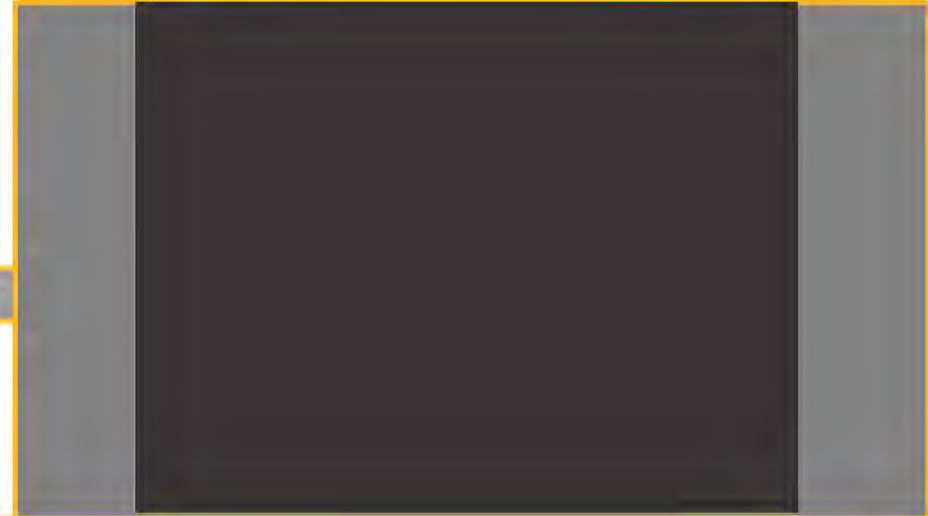
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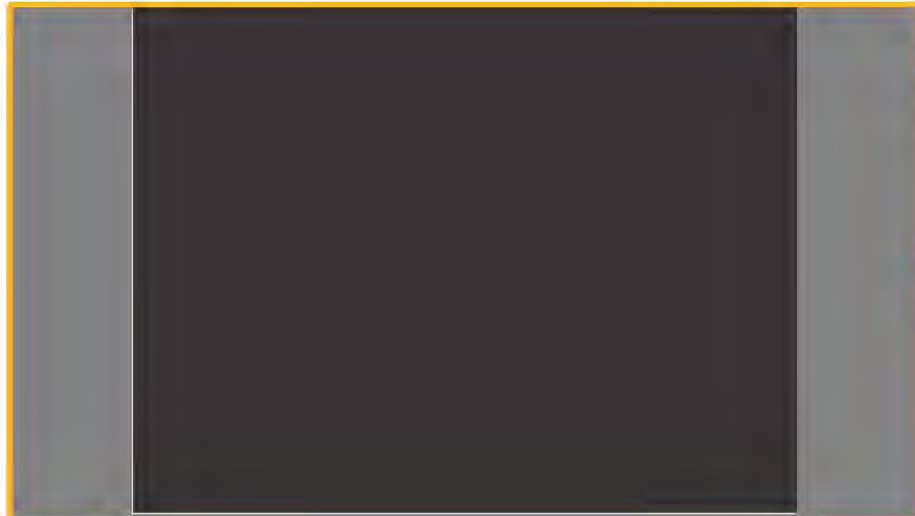
AREA PHOTO 1

Cass Lake Facing the boat launch. Consider installing a decontamination corridor here as well to eliminate product mobility outside the initial footprint.



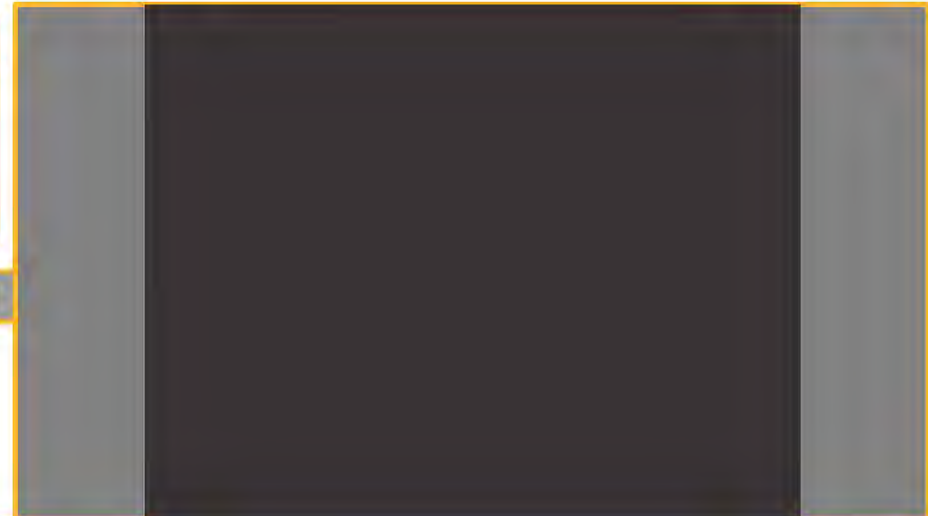
AREA PHOTO 2

Cass Lake Looking out into the southwest bay of Cass Lake. Note the calm waters, this would be ideal conditions for recovery and response operations.



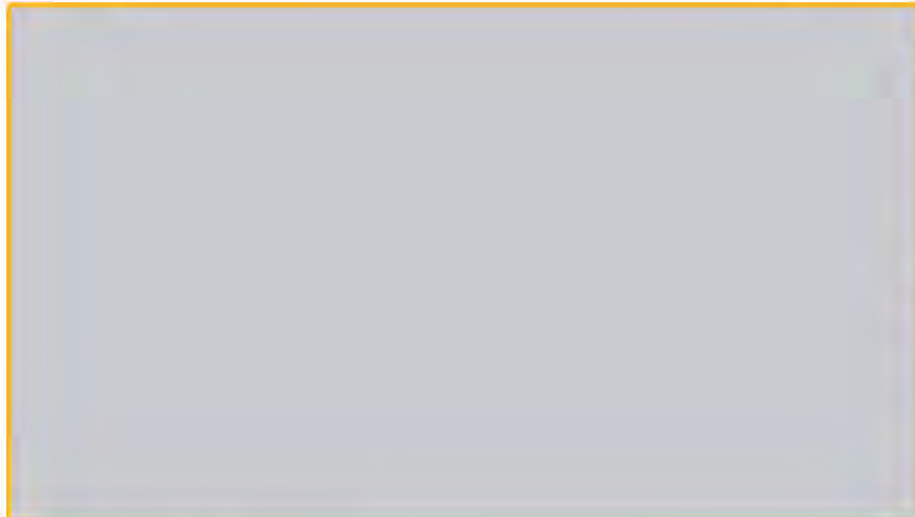
AREA PHOTO 3

Cass Lake The Minnesota Department of Transportation Rest Area placard, which maps out the local area. This can be utilized as a muster point or a daily tailgate location.

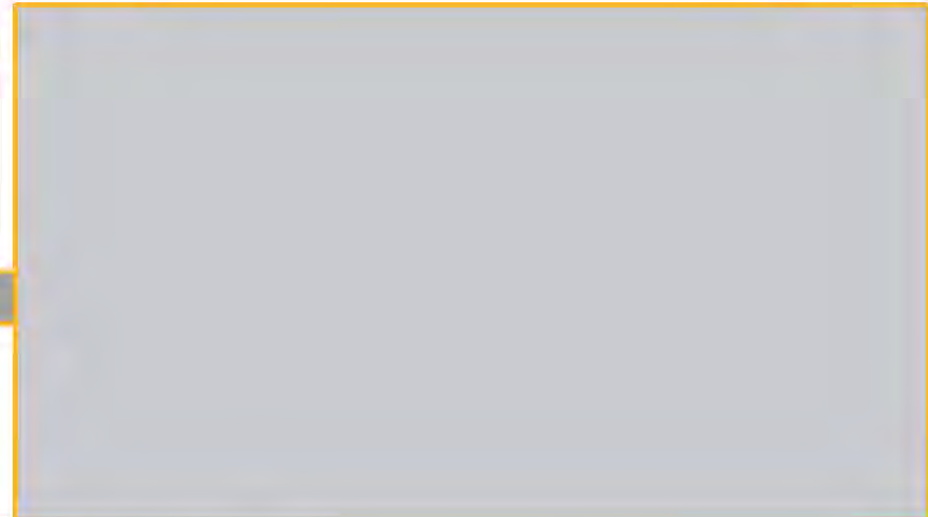


AREA PHOTO 4

Cass Lake The overview of the entire control point location.



Additional Comments



Additional Comments

Immediately Contact: Edmonton Control Center Liquids US. – (888) 838-4545
NRC 800-424-8802 within 1 hour of spill
Notify Regional Enbridge On Call Manager

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