



Max	e to Peak 3 hrs 30 min 3 hrs 30 m Elevation (ft) 1120.3 1128. emental Rise (ft) 29.2 7.0	4	PRIORITY EVA	CUATION AREAS
6.7 N Arriva Time Max I	IWAY 27 IILES DOWNSTREAM OF FLAMBEAU DAM Fair Weather Flood al Time 45 min 45 min to Peak 3 hrs 36 min 3 hrs 36 min Elevation (ft) 1119.4 1127.8 mental Rise (ft) 28.8 6.9		SOUTH OF FLAMBEAU RIVER Flambeau Point Road Hilltop Road (homes within 0.25 mi of river Mickey Way Riverview Road (homes within 0.25 mi of r Pine Drive	
Map Sheet	NOTE: The limits of flooding and the travel times shown on this map are approximate and should be used solely as a guideline for establishing evacuation zones. The actual evacuation zones may be greater or smaller than the flooded area shown on the map. Actual evacuation zones should be determined by local officials respon- sible for establishing specific evacuation procedures.			Inundation Map for Failure of Flambeau Dam Dairyland Power Cooperative RUSK AND CHIPPEWA COUNTIES, WISCONSIN December 2016
t Index	Data Source: Base map image from USDA-FSA, Orthoimagery for Rusk and Chippewa Counties, Wisconsin, 2015, 1 m (https://gis.apfo.usda.gov/arcgis/services) Reference point coordinates are referenced to the Albers Equal Area Conic map projection, units are in meters.		Imark 🖾 County Boundary	Mead Hunt SHEET 1 OF 17

### LANDMARKS

- 1. LADYSMITH POLICE DEPARTMENT RUSK COUNTY SHERIFF'S DEPARTMENT 4. MEMORIAL PARK RUSK COUNTY COURTHOUSE 2. RUSK COUNTY EMERGENCY SIRENS
- 3. HOSPITAL
  - **5. FIRE DEPARTMENT**

### PRIORITY EVACUATION AREAS

### SOUTH OF FLAMBEAU RIVER

County Hwy "J" (Park Lake Rd. to W. 5<sup>th</sup> St. N.

NORTH OF FLAMBEAU RIVER

Flambeau Point Road Hilltop Road (homes within 0.25 mi of river) Mickey Way Riverview Road (homes within 0.25 mi of river) Pine Drive





E: 383,963.68

N: 903,414.55

Max Elevation (ft)

Incremental Rise (ft)

Mead Hunt

	And the states		None of				
SOO RAILROAD			State of				
6.4 MILES DOWNST	REAM OF FLA	MBEAU DAM	<b>G</b>				
	Fair Weather	Flood	1				
Arrival Time	42 min	42 min					
Time to Peak	3 hrs 30 min	3 hrs 30 min					
Max Elevation (ft)	1120.3	1128.4					
Incremental Rise (ft)	29.2	7.0					
			- ISI				
			1 E				
HIGHWAY 27							
6.7 MILES DOWNSTI			1				
		Flood	Sed.				
Arrival Time	45 min	45 min	5				
Time to Peak	3 hrs 36 min	3 hrs 36 min	A.S.				
	6.4 MILES DOWNST Arrival Time Time to Peak Max Elevation (ft) Incremental Rise (ft) HIGHWAY 27 6.7 MILES DOWNSTI Arrival Time	6.4 MILES DOWNSTREAM OF FLA Fair Weather Arrival Time 42 min Time to Peak 3 hrs 30 min Max Elevation (ft) 1120.3 Incremental Rise (ft) 29.2 HIGHWAY 27 6.7 MILES DOWNSTREAM OF FLAM Fair Weather Arrival Time 45 min	6.4 MILES DOWNSTREAM OF FLAMBEAU DAM Fair WeatherFloodArrival Time42 minTime to Peak3 hrs 30 min3 hrs 30 min3 hrs 30 minMax Elevation (ft)1120.31128.4Incremental Rise (ft)29.27.0HIGHWAY 276.7 MILES DOWNSTREAM OF FLAMBEAU DAM Fair WeatherFloodArrival Time45 min45 min45 min				

1119.4

28.8

1127.8

6.9





500 1,000

0



NOTE: The limits of flooding and the travel times shown on this map are approximate and should be used solely as a guideline for establishing evacuation zones. The actual evacuation zones may be greater or smaller than the flooded area shown on the map. Actual evacuation zones should be determined by local officials responsible for establishing specific evacuation procedures.

Data Source: Base map image from USDA-FSA Orthoimagery for Rusk and Chippewa Counties, Wisconsin, 2015, 1 m

(https://gis.apfo.usda.gov/arcgis/services)

Reference point coordinates are referenced to the Albers Equal Area Conic map projection, units are in meters.

### Legend Flood Failure — Limited Access 🔼 Fair Weather Highway - Railroads Cross Section $\oplus$ **Reference** Point County Boundary Landmark

3,000

2,000



4,000

Feet

Ŵ

# Inundation Map for Failure of Flambeau Dam

Dairyland Power Cooperative RUSK AND CHIPPEWA COUNTIES, WISCONSIN December 2016



**SHEET 2 OF 17** 



X:\04105-00\09001\TECH\GIS\Maps\DPC\_Data





NOTE: The limits of flooding and the travel times shown on this map are approximate and should be used solely as a guideline for establishing evacuation zones. The actual evacuation zones may be greater or smaller than the flooded area shown on the map. Actual evacuation zones should be determined by local officials respon-sible for establishing specific evacuation procedures.

Data Source: Base map image from USDA-FSA, Orthoimagery for Rusk and Chippewa Counties, Wisconsin, 2015, 1 m

(https://gis.apfo.usda.gov/arcgis/services)

Reference point coordinates are referenced to the Albers Equal Area Conic map projection, units are in meters.

0

Legend							
Flood Failure	— Limited Access						
Fair Weather	Highway						
Cross Section	Railroads						
$\oplus$ Reference Point	City Boundary						
	County Boundary						
) 500 1,000 2,000	3,000 4,000 Feet						

# Inundation Map for Failure of Flambeau Dam

Mead &

Dairyland Power Cooperative RUSK AND CHIPPEWA COUNTIES, WISCONSIN December 2016







ieets3\_9.mxd

Legend							
Flood Fa	ilure	—	Limited Acce	ss			
Fair Wea	ather	-	Highway				
Cross Se	ection	+	Railroads				
Reference Point		013	City Boundar	y			
			County Boun	dary			
00 1,000	2,000	3,000	4,000 Feet				
	Fair Wea Cross Se Reference	Flood Failure Fair Weather Cross Section Reference Point	Flood Failure = Fair Weather = Cross Section + Reference Point =	Flood Failure — Limited Acces   Fair Weather — Highway   Cross Section — Railroads   Reference Point III City Boundar   Image: County Boundar IIII County Boundar   00 1,000 2,000 3,000 4,000			

Dairyland Power Cooperative
RUSK AND CHIPPEWA COUNTIES, WISCONSIN
December 2016





Legend							
— Limited Access							
- Highway							
Railroads							
City Boundary							
County Boundary							
3,000 4,000							



A A A			A HANNEY		3. 10 - 5 · 4		AN 16 62	and the
CALCE P		Old Hwy D	ELCLE.	了和人名	23 / 3 / Be	UPSTREAM OF CONFL		
		的公共已经		A CAPATA		Arrival Time	Fair Weather 7 hrs 54 min	<b>9</b>
	College and	R LAN	estry Care	Astr-1		Time to Peak Max Elevation (ft)	18 hrs 30 min 1059.9	
State ma					144	Incremental Rise (ft)	6.5	<mark></mark>
40		C. Lietting Q		res in the r			AT STORY	<b>9</b>
N AN	\$	A Ferris		rel ho	A REAL FOR	C-42.43		<u>2</u>
		A Margh also	The A	NJA CAR		the second second	And and a	
CARTERINA CONTRACT			CHARLES THE	1 2 1 2 2 3 3 3 3 3		The set of the	A. C. C. A. C. A.	



NOTE: The limits of flooding and the travel times shown on this map are approximate and should be used solely as a guideline for establishing evacuation zones. The actual evacuation zones may be greater or smaller than the flooded area shown on the map. Actual evacuation zones should be determined by local officials responsible for establishing specific evacuation procedures.

Data Source: Base map image from USDA-FSA, Orthoimagery for Rusk and Chippewa Counties, Wisconsin, 2015, 1 m

(https://gis.apfo.usda.gov/arcgis/services)

Reference point coordinates are referenced to the Albers Equal Area Conic map projection, units are in meters.

Legend						
Flood Failure	Limited Access					
Fair Weather	- Highway					
Cross Section	- Railroads					
$\oplus$ Reference Point	City Boundary					
	🗔 County Boundary					
0 500 1,000 2,000	3,000 4,000 Feet					

# Inundation Map for Failure of Flambeau Dam

Mead &

Dairyland Power Cooperative RUSK AND CHIPPEWA COUNTIES, WISCONSIN December 2016



**SHEET 7 OF 17** 





NOTE: The limits of flooding and the travel times shown on this map are approximate and should be used solely as a guideline for establishing evacuation zones. The actual evacuation zones may be greater or smaller than the flooded area shown on the map. Actual evacuation zones should be determined by local officials respon-sible for establishing specific evacuation procedures.

Data Source: Base map image from USDA-FSA, Orthoimagery for Rusk and Chippewa Counties, Wisconsin, 2015, 1 m

(https://gis.apfo.usda.gov/arcgis/services)

Reference point coordinates are referenced to the Albers Equal Area Conic map projection, units are in meters.

Legend							
Flood Failure	— Limited Access						
Fair Weather	Highway						
Cross Section	Railroads						
$\oplus$ Reference Point	City Boundary						
	County Boundary						
0 500 1,000 2,000	3,000 4,000 Feet						

# Inundation Map for Failure of Flambeau Dam

Mead &

Dairyland Power Cooperative RUSK AND CHIPPEWA COUNTIES, WISCONSIN December 2016



SHEET 8 OF 17





NOTE: The limits of flooding and the travel times shown on this map are approximate and should be used solely as a guideline for establishing be used solely as a guideline for establishing evacuation zones. The actual evacuation zones may be greater or smaller than the flooded area shown on the map. Actual evacuation zones should be determined by local officials respon-sible for establishing specific evacuation procedures.

Data Source: Base map image from USDA-FSA, Orthoimagery for Rusk and Chippewa Counties, Wisconsin, 2015, 1 m (https://gis.apfo.usda.gov/arcgis/services)

Reference point coordinates are referenced to the Albers Equal Area Conic map projection, units are in meters.

Legend							
Flood Failure	— Limited Access						
Fair Weather	Highway						
Cross Section	Railroads						
$\oplus$ Reference Point	City Boundary						
	County Boundary						
0 500 1,000 2,000	3,000 4,000 Feet						

# Inundation Map for Failure of Flambeau Dam

Mead & lunt

Dairyland Power Cooperative
RUSK AND CHIPPEWA COUNTIES, WISCONSIN
December 2016







heets3\_9.mxd

Legend							
🔲 Flood Fa	ilure	— ι	_imited Acces	ss			
🔼 Fair Wea	ther	- 1	Highway				
Cross Se	ction	-+ F	Railroads				
$\oplus$ Reference	e Point	013-0	City Boundar	у			
			County Boun	dary			
500 1,000	2,000	3,000	4,000				
			Feet	N			

Dairyland Power Cooperative
RUSK AND CHIPPEWA COUNTIES, WISCONSIN
December 2016







NOTE: The limits of flooding and the travel times shown on this map are approximate and should be used solely as a guideline for establishing evacuation zones. The actual evacuation zones may be greater or smaller than the flooded area shown on the map. Actual evacuation zones should be determined by local officials respon-sible for establishing specific evacuation procedures.

Data Source: Base map image from USDA-FSA, Orthoimagery for Rusk and Chippewa Counties, Wisconsin, 2015, 1 m

(https://gis.apfo.usda.gov/arcgis/services)

Reference point coordinates are referenced to the Albers Equal Area Conic map projection, units are in meters.

Legend					
Flood Failure	— Limited Access				
Fair Weather	Highway				
Cross Section	Railroads				
$\oplus$ Reference Point	City Boundary				
	County Boundary				
0 500 1,000 2,000	3,000 4,000 Feet				

# Inundation Map for Failure of Flambeau Dam

Mead &

Dairyland Power Cooperative RUSK AND CHIPPEWA COUNTIES, WISCONSIN December 2016



**SHEET 11 OF 17** 



Legend						
Flood Failure	—	Limited Acces	s			
🔼 Fair Weather	_	Highway				
Cross Section	+	Railroads				
+ Reference Poi	nt 🛄	City Boundary				
		County Bound	ary			
500 1,000 2,000	) 3,000	4,000				
		••••	111			

### COUNTY TT 47.9 MILES DOWNSTREAM OF FLAMBEAU DAM Fair Weather Arrival Time 7 hrs 54 min Time to Peak 32 hrs 24 min Max Elevation (ft) Incremental Rise (ft) 956.8 3.4

R

Note: Travel time influenced by release of water at dams downstream of Flambeau dam

-

ΖZ

(178)

PERSON A

64

E: 372,436.36 N: 864,429.12



the se

Legend					
	Flood Fa	ilure	—	Limited Acces	s
	Fair Wea	ther	-	Highway	
-	Cross Se	ection	+	Railroads	
$\Leftrightarrow$	Referenc	e Point	013	City Boundary	/
				County Bound	dary
50	00 1,000	2,000	3,000	4,000 Feet	N

TT 🛛

Dairyland Power Cooperative
RUSK AND CHIPPEWA COUNTIES, WISCONSIN
December 2016





NOTE: The limits of flooding and the travel times shown on this map are approximate and should be used solely as a guideline for establishing be used solely as a guideline for establishing evacuation zones. The actual evacuation zones may be greater or smaller than the flooded area shown on the map. Actual evacuation zones should be determined by local officials respon-sible for establishing specific evacuation procedures.

Data Source: Base map image from USDA-FSA, Orthoimagery for Rusk and Chippewa Counties, Wisconsin, 2015, 1 m (https://gis.apfo.usda.gov/arcgis/services)

Reference point coordinates are referenced to the Albers Equal Area Conic map projection, units are in meters.

Legend					
Flood Failure	— Limited Access				
Fair Weather	Highway				
Cross Section	+ Railroads				
$\oplus$ Reference Point	City Boundary				
	County Boundary				
0 500 1,000 2,000	3,000 4,000 Feet				

# Inundation Map for Failure of Flambeau Dam

Mead

Dairyland Power Cooperative
RUSK AND CHIPPEWA COUNTIES, WISCONSIN
December 2016







heets3\_9.mxd

Legend						
Flood Fa	ailure	—	Limited Acce	ess		
3 Fair We	ather	—	Highway			
Cross Section		+ 1	Railroads			
Reference Point		013	City Bounda	ry		
			County Bour	ndary		
				N.		
500 1,000	2,000	3,000	4,000			
			Feet	NI		

Dairyland Power Cooperative
RUSK AND CHIPPEWA COUNTIES, WISCONSIN
December 2016





NOTE: The limits of flooding and the travel times shown on this map are approximate and should be used solely as a guideline for establishing evacuation zones. The actual evacuation zones may be greater or smaller than the flooded area shown on the map. Actual evacuation zones should be determined by local officials respon-sible for establishing specific evacuation procedures.

Data Source: Base map image from USDA-FSA, Orthoimagery for Rusk and Chippewa Counties, Wisconsin, 2015, 1 m

(https://gis.apfo.usda.gov/arcgis/services)

Reference point coordinates are referenced to the Albers Equal Area Conic map projection, units are in meters.

Legend					
Flood Failure	— Limited Access				
Fair Weather	- Highway				
Cross Section	Railroads				
$\oplus$ Reference Point	City Boundary				
	County Boundary				
0 500 1,000 2,000	3,000 4,000 Feet				

# Inundation Map for Failure of Flambeau Dam

Mead &

Dairyland Power Cooperative
RUSK AND CHIPPEWA COUNTIES, WISCONSIN
December 2016







Legend					
Flood Fai	lure	—	Limited Acce	ss	
🔼 Fair Wea	ther	_	Highway		
Cross Se	ction	+	Railroads		
🔶 Referenc	e Point	013	City Boundar	у	
			County Boun	dary	
500 1,000	2,000	3,000	4,000		
			Feet	NI	