



August 18, 2017

Cal R. Ludeman, Secretary of the Senate  
231 State Capitol  
75 Rev. Dr. Martin Luther King Jr. Blvd.  
St. Paul, MN 55155-1606

Patrick D. Murphy, Chief Clerk of the House of Representatives  
211 State Capitol  
75 Rev. Dr. Martin Luther King Jr. Blvd.  
St. Paul, MN 55155-1606

Dear Secretary Ludeman and Chief Clerk Murphy:

Enclosed is the Department of Natural Resources (DNR) current dam safety program project priority needs list. The list is being submitted in accordance with Minnesota Statutes, section 103G.511, subdivision 12, which requires the DNR to prioritize and report dam project needs to the legislature by June 1 of each odd-numbered year.

Sincerely,



Tom Landwehr  
Commissioner

cc: Legislative Reference Library - Acquisitions (2 copies)  
Luke Skinner, DNR Ecological and Water Resources Division Director  
Kent Lokkesmoe, DNR Director of Capital Investment  
Jason Boyle, DNR Dam Safety Engineer

Dam Safety Program - Project Priority Needs List

Prepared as directed by Minnesota Statutes Section 103G.511, Subdivision 12

Projects listed after priority number 51 are grouped by DNR Region and are not prioritized.

(Dollars in Thousands)

DNR Ecological and Water Resources

Updated May 31, 2017

Priority Ranking	Name	Owner	County	DNR Region	Hazard Class	Project Type	Est Cost (K)	State's Cost (K)	Cumulative State Cost (K)	Primary Needs	Comments
Complete	Byllesby	County	Dakota/Goodhue	3	1-High	Repair	\$7,600	\$3,800		safety	Completed in 2015 modify
Complete	Pike River	DNR	St. Louis	2	2-Med.	Repair eng.	\$30	\$30		safety/maintain lake levels	Completed in 2016 design
Complete	Coon Rapids	County	Hennepin	3	2-Med.	Repair/modify	\$16,000	\$16,000		safety	Completed in 2016
Complete	Champlin Mill Pond	City	Hennepin	3	2-Med.	Repair/modify	\$3,800	\$250		safety	Completed in 2016, matching grant
funded FY14	Champlin Mill Pond	City	Hennepin	3	2-Med.	Repair/modify	\$3,800	\$2,750		safety	Completed in 2016, non-matching 2014 grant
funded10&12	Shady Lake	County	Olmsted	3	2-Med.	Remove	\$1,350	\$1,350		safety	2010 special session and 2012; removal
funded FY14	Byllesby	County	Dakota/Goodhue	3	1-High	Repair	\$2,700	\$1,350		safety	Capital improvement plan, 2014 bonding
funded FY12	Byllesby	County	Dakota/Goodhue	3	1-High	Repair	\$400	\$200		safety	Bridge -access and support for trip gates.
funded FY14	Rapidan	County	Blue Earth	4	2-Med.	Repair	\$2,400	\$2,400		safety	Non-matching 2014 bonding
funded	Blue Mounds (Lower)	DNR	Rock	4	3-Low	Replace	\$2,000	\$2,000		maintain lake levels/historic	Failed, disaster bonding (not dam safety \$)
funded FY12	St. Cloud	City	Stearns	3	1-High	Repair	\$3,612	\$700		safety	Replace trip gates with Obermeyer gates
funded FY12	Balsam Lake	DNR	Itasca	2	3-Low	Repair	\$300	\$300		safety/maintain lake levels	Local support; concrete deterioration
funded FY12	Pelican Rapids	City	Otter Tail	1	1-High	Repair eng.	\$45	\$22		safety	Rock masonry wall failed, spillway deteriorating
funded FY17	Pelican Rapids	City	Otter Tail	1	1-High	Repair eng.	\$1,000	\$500		safety	Rock masonry wall failed, spillway deteriorating
funded FY12	Lake Bronson	DNR	Kittson	1	1-High	Rehab. eng.	\$400	\$400		safety/maintain lake levels	Final design work; \$20M+ reconstruction est.
funded FY17	Lake Bronson	DNR	Kittson	1	1-High	Repair	TBD	TBD		safety/maintain lake levels	Final design work; \$20M+ reconstruction est.
funded FY17	Lanesboro	City	Fillmore	3	1-High	Repair/rehab	\$4,000	\$4,000		safety/historical preservation	Major rehab; no local match, some hydro
funded FY17	Willow River	DNR	Pine	2	2-Med.	Modify	TBD	TBD		safety	Failed in 2016 during flood
funded FY17	Brawner	DNR	Lyon	4	3-Low	Repair/remove	TBD	TBD		safety	Camden SP; pipe failure in 2015
funded FY17	Collinwood	DNR	Meeker	4	3-Low	Repair	TBD	TBD		safety/maintain lake levels	Pipe culverts in bad shape
funded FY17	Sullivan Lake	DNR	Morrison	3	3-Low	Replace	TBD	TBD		maintain lake levels	Abutment- Local support, earth work
funded FY17	West Leaf Lake	DNR	Otter Tail	1	3-Low	Repair	TBD	TBD		maintain lake levels	Abutments- Local support, difficult access
funded FY17	Grindstone River (Hinckley)	DNR	Pine	2	2-Med.	Replace/remove	TBD	TBD		safety	Removal is reason for being this high on the list
funded FY17	Emergencies	TBD	TBD	TBD	TBD	TBD	TBD	TBD		TBD	To Be Determined should an emergency arise
funded FY17	Little Stone Lake	County	St. Louis	2	2-Med.	Repair	\$200	\$100		safety	Was on 2005 list, ownership issue
funded FY17	Norway Lake	City	Cass	1	1-High	Rehab. eng.	\$400	\$200		safety	New DOT bridge being designed for 2020
funded FY17	Canby R-6	County	Yellow Medicine	4	1-High	Repair	\$400	\$200		safety	Leaning intake riser
1	Lake Bronson	DNR	Kittson	1	1-High	Rehabilitation	TBD	TBD	\$0	safety/maintain lake levels	Final design work; \$20M+ reconstruction est.
2	George Lake	DNR	Anoka	3	3-Low	Repair	\$200	\$200	\$200	maintain lake levels	Sheetpile deteriorating; County \$400k estimate
3	Moose Lake State Park	DNR	Carlton	2	3-Low	Repair	\$250	\$250	\$450	recreation	Conduit and riser rusted. Second dam close by.
4	Warren Lake	DNR	Cottonwood	4	3-Low	Repair	\$250	\$250	\$700	safety/maintain lake levels	Overtopping protection or dam raise
5	Hill Annex No. 1	State	Itasca	2	3-Low	Modify	\$100	\$100	\$800	safety	High water levels
6	Lime Lake	County	Murray	4	3-Low	Repair	\$350	\$175	\$975	maintain lake levels	Exposed rebar, undermined concrete
7	Esquagama Lake	DNR	St. Louis	2	3-Low	Repair/modify	\$500	\$500	\$1,475	maintain lake levels	Replace stoplogs in all bays
8	Silver Lake	DNR	Waseca	4	3-Low	Rebuild/remove	\$250	\$250	\$1,725	maintain lake levels	Remove remnants or rebuild
9	Hewitt/Wing River Dam	DNR/City	Todd	3	3-Low	Repair/modify	\$250	\$125	\$1,850	safety	removal/modification/abandoned?
10	Donna Lake	not known	St. Louis	2	3-Low	Repair	\$100	\$50	\$1,900	safety	On Drummond Grade. Ownership unclear.
11	Norway Lake	City	Cass	1	1-High	Replace	\$5,000	\$2,500	\$4,400	safety	New DOT bridge being designed for 2020
12	Drayton	Drayton, ND	Kittson	1	2-Med.	Remove/modify	\$7,500	TBD	\$4,400	safety/restore fish passage	Possible mitigation for F-M diversion, drownings
13	Pike River	DNR	St. Louis	2	2-Med.	Repair	\$4,000	\$4,000	\$8,400	safety/maintain lake levels	Poor condition, expensive repairs
14	Perkins Lake	DNR	Stevens	1	3-Low	Repair	\$50	\$50	\$8,450	safety/maintain lake levels	Public meeting, runoff issues
15	Hallock	City	Kittson	1	3-Low	Remove/modify	\$300	\$150	\$8,600	safety/restore fish passage	Water for golf course, safety, issue- city funding
16	Platte River	DNR	Morrison	3	3-Low	Remove	\$500	\$500	\$9,100	safety/fish passage	American Rivers interest in removal
17	Halleque	DNR	Douglas	1	3-Low	Repair	\$100	\$100	\$9,200	safety/maintain lake levels	Scarps and bad concrete
18	State Hospital Pond	State	Nicollet	4	2-Med.	Remove/modify	\$500	\$500	\$9,700	safety	Buildings may get wet, removal?, conduit
19	Sunrise River Pool #1	DNR	Chisago	3	3-Low	Modify	\$50	\$50	\$9,750	safety	Bog problems, possible drowning machine
20	Sunrise River Pool #3	DNR	Chisago	3	3-Low	Modify	\$50	\$50	\$9,800	safety	Bog problems, possible drowning machine
21	Shields	DNR	Rice	4	3-Low	Repair	\$100	\$100	\$9,900	maintain lake levels	Don-right abutment has failed
22	Eden Lake	DNR	Stearns	3	3-Low	Repair	\$150	\$150	\$10,050	maintain lake levels	Don-put in stoplogs, Lake Assn. interest
23	Dam Lake	DNR	Aitkin	2	3-Low	Repair	\$100	\$100	\$10,150	maintain lake levels	Lonnie-both abutments
24	Ten Mile	DNR	Otter Tail	1	3-Low	Repair	\$100	\$100	\$10,250	maintain lake levels	Don-redo dam and embankment, sill
25	Eagle Lake	DNR	Crow Wing	2	3-Low	Repair	\$25	\$25	\$10,275	maintain lake levels	Don-put in steel, tampering
26	Hanging Kettle Lake	DNR	Aitkin	2	3-Low	Repair	\$100	\$100	\$10,375	maintain lake levels	Don/Lonnie- both abutments falling
27	Long (Tamefish)	DNR	Aitkin	2	3-Low	Repair/Modify	\$50	\$50	\$10,425	maintain lake levels	Sheet pile heave, rocks and debris
28	Borden	DNR	Crow Wing	2	3-Low	Repair	\$50	\$50	\$10,475	maintain lake levels	Leaning left abutment
29	Pelican Lake	DNR	Otter Tail	1	3-Low	Repair	\$50	\$50	\$10,525	maintain lake levels	Leaning left abutment
30	Ripple Lake	DNR	Aitkin	2	3-Low	Repair	\$100	\$100	\$10,625	maintain lake levels	Don-put in steel, left abutment failing
31	Wynne	DNR	St. Louis	2	3-Low	Modify	\$100	\$100	\$10,725	safety	Don-6 bays open, log jam, difficult access
32	Knife Lake	LID	Kanabec	3	2-Med.	Modify	\$500	\$250	\$10,975	safety	Drowning machine? Joe Raiolo, \$ seems high
33	Homer township/Pickwick	Township	Winona	3	2-Med.	Repair/modify	\$300	\$150	\$11,125	safety/maintain lake levels	Order to repair, verify hazard
34	Rum River (Anoka)	City	Anoka	3	3-Low	Modify	\$600	\$300	\$11,425	safety	Ekman-inquiry; flashboard, big gate
35	Otter Tail River (Phelps Mill)	County	Otter Tail	1	3-Low	Repair	\$100	\$50	\$11,475	safety/fish passage	
36	Clearwater River	Counties	Stearns/Wright	3	3-Low	Repair	\$300	\$150	\$11,625	safety	Recent bike trail
37	Big Stone Lake	WD/DNR	Big Stone	4	2-Med.	Modify	\$50	\$50	\$11,675	safety	Corps acceptance needed

38	Woolen Mill (Faribault)	City	Rice	4	2-Med.	Remove/modify	\$400	\$200	\$11,875	safety	Need scope of project
39	Sunrise River (Kost)	County	Chisago	3	3-Low	Modify	\$100	\$50	\$11,925	safety	Fishing hole; need further discussions
40	Pine Lake	DNR	Aitkin	2	3-Low	Repair	\$150	\$150	\$12,075	maintain lake levels	Lonnie-not high priority, but keep on list
41	Northern Light Lake	DNR/USFS	Cook	2	3-Low	Repair	\$50	\$50	\$12,125	maintain lake levels	Need internal discussions
42	South Stanchfield	DNR	Isanti	3	3-Low	Replace	\$50	\$50	\$12,175	maintain lake levels	County bridge replacement
43	Melrose	City	Stearns	3	2-Med.	Repair	\$400	\$200	\$12,375	safety	Likely wall repair once 2014 inspection complete
44	French Lake	County	Rice	4	3-Low	Replace	\$200	\$100	\$12,475	maintain lake levels	Joe McGough-5 years
45	Crooked Creek R-3	SWCD	Houston	3	3-Low	Repair	\$100	\$50	\$12,525	safety	sinkhole
46	Bear Creek Site No. 3	SWCD	Houston	3	3-Low	Repair	\$100	\$50	\$12,575	safety	sinkhole
47	Pioneer Tailings	City	St. Louis	2	3-Low	Repair/remove	\$100	\$50	\$12,625	safety	May want to remove, near golf course
48	Pioneer Tailings Clarification	City	St. Louis	2	3-Low	Repair/remove	\$100	\$50	\$12,675	safety	May want to remove, near golf course
49	Douglas Tailings	State	St. Louis	2	3-Low	Remove	\$50	\$50	\$12,725	safety	Breach dam when done mining
50	Abandoned mining dams	State	Various	2		Repair/remove	\$500	\$500	\$13,225	safety	Contact Jim Sellner, research
51	Clayton Lake	DNR	Pine	2	3-Low	Repair	\$1,800	\$1,800	\$15,025	safety/historic preservation	Completely new spillway
not prioitized	Hattie Lake	DNR	Cass	1	3-Low	Repair	\$25	\$25	\$15,050	maintain lake levels	Don-put in steel, dam ok
not prioitized	Miltoa Lake	DNR	Douglas	1	3-Low	Repair	\$150	\$150	\$15,200	maintain lake levels	Concrete deterioration, leaning left abutment
not prioitized	Upper Hunt Lake	DNR	Douglas	1	3-Low	Repair	\$100	\$100	\$15,300	maintain lake levels	
not prioitized	Lightning	DNR	Grant	1	3-Low	Repair	\$100	\$100	\$15,400	maintain lake levels	Dean Beck-Fisheries
not prioitized	Portage Lake	DNR	Hubbard	1	3-Low	Repair	\$200	\$200	\$15,600	maintain lake levels	
not prioitized	Stephen	City	Marshall	1	3-Low	Modify	\$200	\$100	\$15,700	safety/restore fish passage	
not prioitized	Blanche	DNR	Otter Tail	1	3-Low	Repair	\$100	\$100	\$15,800	maintain lake levels	Don-put in steel, concrete pier deterioration
not prioitized	Fergus Falls	City	Otter Tail	1	N/A	Remove remnant	\$100	\$100	\$15,900	safety	
not prioitized	Little Pine Lake	DNR	Otter Tail	1	3-Low	Repair	\$100	\$100	\$16,000	maintain lake levels	Don-put top row in steel
not prioitized	Long (Dalton)	DNR	Otter Tail	1	3-Low	Repair	\$50	\$50	\$16,050	maintain lake levels	Don-put in steel, concrete deterioration
not prioitized	Long (Elizabeth)	DNR	Otter Tail	1	3-Low	Repair	\$50	\$50	\$16,100	maintain lake levels	Don-put in steel, concrete deterioration
not prioitized	Prairie Lake	DNR	Otter Tail	1	3-Low	Repair	\$100	\$100	\$16,200	maintain lake levels	Don-repair right abutment, snowmobile trail
not prioitized	Rose Lake	DNR	Otter Tail	1	3-Low	Repair	\$100	\$100	\$16,300	maintain lake levels	
not prioitized	Crissy Lake	DNR	Stevens	1	2-Med.	Modify	\$300	\$300	\$16,600	safety/restore fish passage	
not prioitized	Hill Lake	DNR	Aitkin	2	3-Low	Repair	\$50	\$50	\$16,650	maintain lake levels	Don-put in steel
not prioitized	Greer Lake	DNR	Crow Wing	2	3-Low	Repair	\$100	\$100	\$16,750	maintain lake levels	
not prioitized	O'Brien Lake	DNR	Crow Wing	2	3-Low	Repair	\$100	\$100	\$16,850	maintain lake levels	Steel recently installed
not prioitized	Round Lake	DNR	Crow Wing	2	3-Low	Repair	\$25	\$25	\$16,875	maintain lake levels	Don-put in steel, concrete deterioration
not prioitized	Buck Lake	DNR	Itasca	2	3-Low	Modify	\$100	\$100	\$16,975	safety/aesthetics	
not prioitized	Splithand Lake	DNR	Itasca	2	3-Low	Remove	\$100	\$100	\$17,075	safety/aesthetics	
not prioitized	Floodwood	DNR	St. Louis	2	3-Low	Repair	\$100	\$100	\$17,175	safety/maintain lake levels	Don-dam ok?
not prioitized	Pequaywan	DNR	St. Louis	2	3-Low	Repair	\$50	\$50	\$17,225	safety/maintain lake levels	Don-fix eroded hole on apron
not prioitized	Sturgeon Lake	DNR	St. Louis	2	3-Low	Repair	\$100	\$100	\$17,325	maintain lake levels	Don-?
not prioitized	Sauk Centre	City	Stearns	3	2-Med.	Modify	\$500	\$250	\$17,575	safety	
not prioitized	Fairhaven	County	Wright/Stearns	3	3-Low	Modify	\$600	\$300	\$17,875	safety	
not prioitized	Springfield	not known	Brown	4	3-Low	Remove/modify	\$300	\$150	\$18,025	safety/restore fish passage	
not prioitized	Talcot Lake	DNR	Cottonwood	4	3-Low	Repair	\$150	\$150	\$18,175	safety/maintain lake levels	
not prioitized	Mantorville	City	Dodge	4	3-Low	Repair/Modify	\$300	\$150	\$18,325	safety/maintain lake levels	
not prioitized	4th Street (Austin)	City	Mower	4	3-Low	Remove	\$250	\$250	\$18,575	safety	
not prioitized	Louise Lake	DNR	Mower	4	3-Low	Repair	\$300	\$300	\$18,875	safety/restore fish passage	
not prioitized	Ocheda	DNR	Nobles	4	3-Low	Repair	\$25	\$25	\$18,900	maintain lake levels	Don-put in steel, tampering
not prioitized	Clear Lake	County	Sibley	4	3-Low	Replace	\$100	\$50	\$18,950	maintain lake levels	Leaning sheet pile, drawdown capability
not prioitized	Elysian Lake	DNR	Waseca	4	3-Low	Repair	\$150	\$150	\$19,100	maintain lake levels	
not prioitized	Watonwan River Diversion	County	Watonwan	4	3-Low	Repair	\$100	\$100	\$19,200	maintain lake levels	Added in 2013
not prioitized	Granite Falls	City	Yellow Medicine	4	1-High	Modify	\$600	\$300	\$19,500	safety	Mixed interest in whitewater park

**Notes:**

- 1) Priorities are subject to change based on results of dam safety inspections, readiness of local project sponsors, opportunities for piggybacking projects, etc.
- 2) All cost estimates are preliminary; actual costs will depend on final project design and construction bids received.
- 3) MS Section 103G.511 authorizes matching grants to local governments and requires legislative approval of projects or grants of \$250,000 or more.
- 4) MS Section 103G.515 authorizes the state to pay the full cost of dam removals under certain conditions.
- 5) "Remove/modify" means a final decision has not been made on whether the dam will be removed or modified.

\*The removal of private dams may be eligible for state assistance. Repairs and modifications of private dams are not eligible.

For more information contact: Luke Skinner at (651) 259-5106, Kent Lokkesmoe at (651) 259-5701, Julie Ekman at (651) 259-5674, or Jason Boyle at (651) 259-5715.

**Dam Safety Program - Project Priority Needs List**  
**Prepared as directed by Minnesota Statutes Section 103G.511, Subdivision 12**  
*(Dollars in Thousands)*

**DNR Ecological and Water Resources**  
**Updated May 31, 2017**

Priority Ranking	Name	Dam ID Number	Owner	County	DNR Region	Hazard Class	Project Type	Est Cost (K)	State's Cost (K)	Cumulative State Cost (K)	Primary Needs	Comments
1	Lake Bronson	MN00017	DNR	Kittson	1	1-High	Rehabilitation	TBD	TBD	\$0	safety/maintain lake levels	Final design work; \$20M+ reconstruction est.
2	George Lake	MN01070	DNR	Anoka	3	3-Low	Repair	\$200	\$200	\$6,275	maintain lake levels	Sheetpile deteriorating; County \$400k estimate
3	Moose Lake State Park	MN00922	DNR	Carlton	2	3-Low	Repair	\$250	\$250	\$6,075	recreation	Conduit and riser rusted. Second dam close by.
4	Warren Lake	MN00162	DNR	Cottonwood	4	3-Low	Repair	\$250	\$250	\$5,825	safety/maintain lake levels	Overtopping protection or dam raise
5	Hill Annex No. 1	MN00784	State	Itasca	2	3-Low	Modify	\$100	\$100	\$5,575	safety	High water levels
7	Esquagama Lake	MN00099	DNR	St. Louis	2	3-Low	Repair/modify	\$500	\$500	\$5,475	maintain lake levels	Replace stoplogs in all bays
8	Silver Lake	MN00110	DNR	Waseca	4	3-Low	Rebuild/remove	\$250	\$250	\$4,975	maintain lake levels	Remove remnants or rebuild
9	Hewitt/Wing River Dam	MN00674	DNR/City	Todd	3	3-Low	Repair/modify	\$250	\$125	\$4,725	safety	removal/modification/abandoned?
10	Donna Lake	MN01221	not known	St. Louis	2	3-Low	Repair	\$100	\$50	\$4,600	safety	On Drummond Grade. Ownership unclear.
13	Pike River	MN00092	DNR	St. Louis	2	2-Med.	Repair	\$4,000	\$4,000	\$4,550	safety/maintain lake levels	Poor condition, expensive repairs
14	Perkins Lake	MN00167	DNR	Stevens	1	3-Low	Repair	\$50	\$50	\$550	safety/maintain lake levels	Public meeting, runout issues
16	Platte River	MN01188	DNR	Morrison	3	3-Low	Remove	\$500	\$500	\$500	safety/fish passage	American Rivers interest in removal
17	Halleque	MN01123	DNR	Douglas	1	3-Low	Repair	\$100	\$100	\$600	safety/maintain lake levels	Scarps and bad concrete
18	State Hospital Pond	MN00315	State	Nicollet	4	2-Med.	Remove/modify	\$500	\$500	\$1,100	safety	Buildings may get wet, removal?, conduit
19	Sunrise River Pool No. 1	MN00538	DNR	Chisago	3	3-Low	Modify	\$50	\$50	\$1,150	safety	Bog problems, possible drowning machine
20	Sunrise River Pool No. 3	MN00537	DNR	Chisago	3	3-Low	Modify	\$50	\$50	\$1,200	safety	Bog problems, possible drowning machine