

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 30, 2013

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	Rush Creek	DNR	Chisago	3	N/A	Remove/restore	\$200	\$200		restore fish passage	Completed in 2011 removal
Complete	New London	DNR	Kandiyohi	4	1-High	Rehabilitate	\$2,950	\$2,950		safety/maintain lake levels	Completed in 2011 reconstruction
Complete	Jackson	City	Jackson	4	2-Med.	Remove/modify	\$1,000	\$150		safety/restore fish passage	Completed in 2011 remove/modify
Complete	Luverne	City	Rock	4	3-Low	Remove/modify	\$150	\$75		safety/restore fish passage	Completed in 2011 removal
Complete	Madison Lake	?	Blue Earth	4	3-Low	Replace	\$100	\$50		maintain lake levels	Completed in 2011 modify
Complete	Coon Lake	DNR	Anoka	3	3-Low	Repair	\$25	\$25		maintain lake levels	Completed in 2012 repair
Complete	Windom	City	Cottonwood	4	N/A	Remove/restore	\$300	\$150		safety/restore fish passage	Completed in 2012 remove
Complete	Christine	City	Wilkin	1	3-Low	Modify	\$400	\$25		safety/restore fish passage	Completed in 2012 modify
Complete	Hickson	City	Clay	1	3-Low	Modify	\$400	\$25		safety/restore fish passage	Completed in 2012 modify
Complete	Montevideo	City	Chippewa	4	2-Med.	Remove	\$300	\$150		safety/restore fish passage	Completed in 2012 remove
Complete	Cross Lake	DNR	Pine	2	3-Low	Modify	\$225	\$225		safety/restore fish passage	Completed in 2013 modify
funded	Milaca	City	Mille Lacs	3	3-Low	Remove	\$300	\$150		safety/restore fish passage	SHPO issue, removal scheduled for 2013
funded	Pelican Lake	DNR	Otter Tail	1	3-Low	Repair	\$50	\$50		maintain lake levels	Middle abutment failure- Local support
funded	Shell Rock (Albert Lea Lake)	County	Freeborn	4	2-Med.	Replace	\$500	\$250		maintain lake levels	Issue - ownership issue close to resolution
funded	Lanesboro	City	Fillmore	3	1-High	Repair/rehab	\$900	\$450		safety/historical preservation	Issue - City funding
funded	Champlin Mill Pond	City	Hennepin	3	2-Med.	Repair/modify	\$3,800	\$250		safety	WSB study, ownership, inadequate funding
funded	Shady Lake	County	Olmsted	3	2-Med.	Remove	\$1,000	\$1,000		safety	2010 special session bonding, design phase
funded	Coon Rapids	County	Hennepin	3	2-Med.	Repair/modify	\$16,000	\$16,000		safety	Scheduled completion in 2014
funded	Byllesby	County	Dakota/Goodhue	3	1-High	Repair	\$5,800	\$2,900		safety	PMF increase in capacity via FERC
budgeted	Hartley (Duluth)	City	St. Louis	2	1-High	Modify	\$500	\$250		safety/maintain lake levels	Scope of project being defined; dam break
budgeted	Hallock	City	Kittson	1	3-Low	Remove/modify	\$300	\$150		safety/restore fish passage	Water supply for golf course, safety
budgeted	Lake Bronson	DNR	Kittson	1	1-High	Rehab. eng.	\$800	\$800		safety/maintain lake levels	Final design work; \$9M reconstruction est.
budgeted	Pike River	DNR	St. Louis	2	2-Med.	Modify eng.	\$225	\$225		safety/maintain lake levels	Poor condition
budgeted	Clayton Lake	DNR	Pine	2	3-Low	Repair	\$325	\$325		safety/historic preservation	Historic, inadequate funding, SHPO approval
budgeted	Drayton	Drayton, ND	Kittson	1	2-Med.	Remove/modify	\$1,000	\$250		safety/restore fish passage	Many drownings, issues; \$ for MN side only
budgeted	Lanesboro	City	Fillmore	3	1-High	Repair/rehab	\$1,900	\$500		safety/historical preservation	Additional funds needed
budgeted	Shady Lake	County	Olmsted	3	2-Med.	Remove	\$2,000	\$150		safety	Additional funds needed, design phase
budgeted	Champlin Mill Pond	City	Hennepin	3	2-Med.	Repair/modify	\$3,800	\$350		safety	Additional funds needed
1	Lake Bronson	DNR	Kittson	1	1-High	Rehab. eng.	\$9,000	tbd	\$0	safety/maintain lake levels	Need to complete design first
2	Drayton	Drayton, ND	Kittson	1	2-Med.	Remove/modify	\$7,500	tbd	\$0	safety/restore fish passage	Possible mitigation for FM diversion
3	Rapidan	County	Blue Earth	4	2-Med.	Repair	\$2,400	\$1,200	\$1,200	safety	Gate replacement, retaining wall, windows
4	Champlin Mill Pond	City	Hennepin	3	2-Med.	Repair/modify	\$3,800	\$1,100	\$2,300	safety	Additional funds needed
5	Balsam Lake	DNR	Itasca	2	3-Low	Repair	\$250	\$250	\$2,550	safety/maintain lake levels	Local support; concrete deterioration
6	Deer Creek at Effie	DNR	Itasca	2	3-Low	Replace	\$100	\$100	\$2,650	safety/aesthetics	Don-Left abutment; LSOHC; Dennis Carlson
7	Lizzie	DNR	Otter Tail	1	3-Low	Modify	\$25	\$25	\$2,675	maintain lake levels	Don-Bog - cut low/all piers and add fill
8	Height of Land Lake	DNR	Becker	1	3-Low	Modify	\$25	\$25	\$2,700	maintain lake levels	Don-Bog - cut low piers and repairs
9	Sand Hill Lake	DNR	Polk	1	3-Low	Repair	\$25	\$25	\$2,725	fish passage/maintain lake	Bezok-fish passage, frost heave, unlevel
10	Perkins Lake	DNR	Stevens	1	3-Low	Repair	\$200	\$200	\$2,925	safety/maintain lake levels	Don-put in steel and redo; remove crossing
11	Brawner	DNR	Lyon	4	3-Low	Repair/remove	\$400	\$400	\$3,325	safety	Dan-misc in bad shape, Parks and trail
12	Stalker	DNR	Otter Tail	1	3-Low	Repair	\$25	\$25	\$3,350	maintain lake levels	Don-put in steel, add fill to abutment
13	Sullivan Lake	DNR	Morrison	3	3-Low	Replace	\$100	\$100	\$3,450	maintain lake levels	Abutment- Local support, earth work
14	Platte River	DNR	Morrison	3	3-Low	Remove	\$200	\$200	\$3,650	safety/fish passage	American Rivers interest in removal
15	Norway Lake	City	Cass	1	1-High	Replace	\$1,000	\$500	\$4,150	safety	New DOT bridge being designed for 2014/15
16	Clayton Lake	DNR	Pine	2	3-Low	Repair	\$1,800	\$1,500	\$5,650	safety/historic preservation	Additional funds needed
17	Sauk River	City	Stearns	3	3-Low	Remove	\$150	\$75	\$5,725	safety	Dan Lais request, contact St Cloud
18	Sunrise River Pool #1	DNR	Chisago	3	3-Low	Modify	\$50	\$50	\$5,775	safety	Might act as a drowning machine
19	Sunrise River Pool #2	DNR	Chisago	3	3-Low	Modify	\$50	\$50	\$5,825	safety	Might act as a drowning machine
20	Blue Mounds (Lower)	DNR	Rock	4	3-Low	Repair	\$300	\$300	\$6,125	maintain lake levels/historic	Repair or if deteriorates to the point of failure
21	Titlow Lake	City	Sibley	4	3-Low	Replace	\$300	\$150	\$6,275	maintain lake levels	Rock dam falling apart
22	Lime Lake	County	Murray	4	N/A	Repair	\$350	\$175	\$6,450	maintain lake levels	Exposed rebar, undermined concrete
23	Martin Lake	DNR	Anoka	3	3-Low	Repair	\$50	\$50	\$6,500	safety	Fisheries support; fish barrier; TMDL
24	Shields	DNR	Rice	4	3-Low	Repair	\$100	\$100	\$6,600	maintain lake levels	Don-right abutment has failed
25	State Hospital Pond	State	Nicollet	4	2-Med.	Remove/modify	\$500	\$500	\$7,100	safety	Buildings may get wet, prefer removal
26	Thief Lake	DNR	Marshall	1	3-Low	Repair	\$100	\$100	\$7,200	maintain lake levels	Concrete testing completed
27	Eden Lake	DNR	Stearns	3	3-Low	Repair	\$150	\$150	\$7,350	maintain lake levels	Don-put in stoplogs, Lake Assn. interest
28	Dam Lake	DNR	Aitkin	2	3-Low	Repair	\$100	\$100	\$7,450	maintain lake levels	Lonnie-both abutments
29	Ten Mile	DNR	Otter Tail	1	3-Low	Repair	\$100	\$100	\$7,550	maintain lake levels	Don-redo dam and embankment, sill

30	Eagle Lake	DNR	Crow Wing	2	3-Low	Repair	\$25	\$25	\$7,575	maintain lake levels	Don-put in steel, tampering
31	Hanging Kettle Lake	DNR	Aitkin	2	3-Low	Repair	\$100	\$100	\$7,675	maintain lake levels	Don/Lonnie- both abutments falling
32	Long (Tamefish)	DNR	Crow Wing	2	3-Low	Repair/Modify	\$50	\$50	\$7,725	maintain lake levels	Sheet pile heave, rocks and debris
33	Ripple Lake	DNR	Aitkin	2	3-Low	Repair	\$100	\$100	\$7,825	maintain lake levels	Don-put in steel, left abutment failing
34	Wynne	DNR	St. Louis	2	3-Low	Modify	\$100	\$100	\$7,925	safety	Don-6 bays open, log jam, difficult access
35	Pelican Rapids	City	Otter Tail	1	1-High	Repair	\$400	\$200	\$8,125	safety	Rock masonry wall leaning, not urgent
36	Mayowood (Rochester)	City	Olmsted	3	3-Low	Modify	\$500	\$250	\$8,375	safety	
37	Rum River (Anoka)	City	Anoka	3	3-Low	Modify	\$600	\$300	\$8,675	safety	Ekman-inquiry; flashboard, big gate
38	Phelps Mill	County	Otter Tail	1	3-Low	Repair	\$100	\$50	\$8,725	safety/fish passage	
39	Homer township/Pickwick	Township	Winona	3	2-Med.	Repair/modify	\$300	\$150	\$8,875	safety/maintain lake levels	Order to repair, verify hazard
40	Clearwater River	Counties	Stearns/Wright	3	3-Low	Repair	\$300	\$150	\$9,025	safety	Recent bike trail
41	Big Stone Lake	WD/DNR	Big Stone	4	2-Med.	Modify	\$50	\$50	\$9,075	safety	Corps acceptance needed
42	Woolen Mill (Faribault)	City	Rice	4	2-Med.	Remove/modify	\$400	\$200	\$9,275	safety	Need scope of project
43	Knife Lake	LID	Kanabec	3	2-Med.	Modify	\$500	\$250	\$9,525	safety	Drowning machine?, Joe Raiolo, \$ seems high
44	Sunrise River (Kost)	County	Chisago	3	3-Low	Modify	\$100	\$50	\$9,575	safety	Fishing hole; need further discussions
45	Pine Lake	DNR	Aitkin	2	3-Low	Repair	\$150	\$150	\$9,725	maintain lake levels	Lonnie-not high priority, but keep on list
46	George Lake	DNR	Anoka	3	3-Low	Repair	\$50	\$50	\$9,775	maintain lake levels	Don-should install heavy sheetpile
47	Northern Light Lake	DNR/USFS	Cook	2	3-Low	Repair	\$50	\$50	\$9,825	maintain lake levels	Need internal discussions
48	Melrose	City	Stearns	3	2-Med.	Repair	\$400	\$200	\$10,025	safety	Likely wall repair once 2014 inspection complete
49	French Lake	County	Rice	4	3-Low	Replace	\$200	\$100	\$10,125	maintain lake levels	Joe McGough-5 years
50	Fountain Lake (Albert Lea)	City	Freeborn	4	3-Low	Modify	\$300	\$150	\$10,275	safety	Fish barrier?
51	Pioneer Tailings	City	St. Louis	2	3-Low	Repair/remove	\$100	\$50	\$10,325	safety	May want to remove, near golf course
52	Pioneer Tailings Clarification	City	St. Louis	2	3-Low	Repair/remove	\$100	\$50	\$10,375	safety	May want to remove, near golf course
53	Douglas Tailings	State	St. Louis	2	3-Low	Remove	\$50	\$50	\$10,425	safety	Breach dam when done mining
54	Abandoned mining dams	State	Various	2		Repair/remove	\$500	\$500	\$10,925	safety	Contact Jim Sellner, research
55	Fish Lake	DNR	Kanabec	3	3-Low	Modify	\$250	\$250	\$11,175	safety/restore fish passage	Fisheries support; funded with LSOHC
56	Sylvia	DNR	Stearns	3	3-Low	Repair	\$50	\$50	\$11,225	fish passage/maintain lake	Removal/riffle abutment repair; LSOHC

The remaining projects are grouped by DNR Region and are not prioritized.

	Shell Lake	DNR	Becker	1	3-Low	Repair	\$75	\$75	\$11,300	maintain lake levels	Don-put in steel, concrete deterioration
	Hattie Lake	DNR	Cass	1	3-Low	Repair	\$25	\$25	\$11,325	maintain lake levels	Don-put in steel, dam ok
	Milona Lake	DNR	Douglas	1	3-Low	Repair	\$150	\$150	\$11,475	maintain lake levels	Concrete deterioration, leaning left abutment
	Upper Hunt Lake	DNR	Douglas	1	3-Low	Repair	\$100	\$100	\$11,575	maintain lake levels	
	Park Rapids (Fish Hook)	City	Hubbard	1	2-Med.	Repair	\$300	\$150	\$11,725	safety	
	Portage Lake	DNR	Hubbard	1	3-Low	Repair	\$200	\$200	\$11,925	maintain lake levels	
	Stephen	City	Marshall	1	3-Low	Modify	\$200	\$100	\$12,025	safety/restore fish passage	
	Blanche	DNR	Otter Tail	1	3-Low	Repair	\$100	\$100	\$12,125	maintain lake levels	Don-put in steel, concrete pier deterioration
	Fergus Falls	City	Otter Tail	1	N/A	Remove remnant	\$100	\$100	\$12,225	safety	
	Little Pine Lake	DNR	Otter Tail	1	3-Low	Repair	\$100	\$100	\$12,325	maintain lake levels	Don-put top row in steel
	Long (Dalton)	DNR	Otter Tail	1	3-Low	Repair	\$50	\$50	\$12,375	maintain lake levels	Don-put in steel, concrete deterioration
	Long (Elizabeth)	DNR	Otter Tail	1	3-Low	Repair	\$50	\$50	\$12,425	maintain lake levels	Don-put in steel, concrete deterioration
	Prairie Lake	DNR	Otter Tail	1	3-Low	Repair	\$100	\$100	\$12,525	maintain lake levels	Don-repair right abutment, snowmobile trail
	Rose Lake	DNR	Otter Tail	1	3-Low	Repair	\$100	\$100	\$12,625	maintain lake levels	
	West Leaf Lake	DNR	Otter Tail	1	3-Low	Repair	\$50	\$50	\$12,675		
	Crissy Lake	DNR	Stevens	1	2-Med.	Modify	\$300	\$300	\$12,975	safety/restore fish passage	
	Hill Lake	DNR	Aitkin	2	3-Low	Repair	\$50	\$50	\$13,025	maintain lake levels	Don-put in steel
	Greer Lake	DNR	Crow Wing	2	3-Low	Repair	\$100	\$100	\$13,125	maintain lake levels	
	O'Brien Lake	DNR	Crow Wing	2	3-Low	Repair	\$100	\$100	\$13,225	maintain lake levels	Steel recently installed
	Round Lake	DNR	Crow Wing	2	3-Low	Repair	\$25	\$25	\$13,250	maintain lake levels	Don-put in steel, concrete deterioration
	Upper South Long Lake	DNR	Crow Wing	2	3-Low	Repair	\$25	\$25	\$13,275	maintain lake levels	Don-put in steel, dam ok
	Buck Lake	DNR	Itasca	2	3-Low	Modify	\$100	\$100	\$13,375	safety/aesthetics	
	Splithand Lake	DNR	Itasca	2	3-Low	Remove	\$100	\$100	\$13,475	safety/aesthetics	
	Grindstone River (Hinckley)	DNR	Pine	2	2-Med.	Replace/modify	\$500	\$500	\$13,975	safety	
	Willow River	DNR	Pine	2	2-Med.	Modify	\$300	\$300	\$14,275	safety	
	Bear Lake	DNR	St. Louis	2	3-Low	Replace	\$100	\$100	\$14,375	maintain lake levels	
	Esquagama Lake	DNR	St. Louis	2	3-Low	Repair/modify	\$500	\$500	\$14,875	maintain lake levels	Don-?
	Floodwood	DNR	St. Louis	2	3-Low	Repair	\$100	\$100	\$14,975	safety/maintain lake levels	Don-dam ok?
	Pequaywan	DNR	St. Louis	2	3-Low	Repair	\$50	\$50	\$15,025	safety/maintain lake levels	Don-fix eroded hole on apron
	Sturgeon Lake	DNR	St. Louis	2	3-Low	Repair	\$100	\$100	\$15,125	maintain lake levels	Don-?
	Silver Lake (Rochester)	City	Olmsted	3	2-Med.	Modify	\$600	\$300	\$15,425	safety	
	Cold Spring	DNR	Stearns	3	3-Low	Modify	\$500	\$500	\$15,925	safety	
	Sauk Centre	City	Stearns	3	2-Med.	Modify	\$500	\$250	\$16,175	safety	
	Fairhaven	County	Wright/Stearns	3	3-Low	Modify	\$600	\$300	\$16,475	safety	
	Springfield	not known	Brown	4	3-Low	Remove/modfy	\$300	\$150	\$16,625	safety/restore fish passage	

Talcot Lake	DNR	Cottonwood	4	3-Low	Repair	\$150	\$150	\$16,775	safety/maintain lake levels	
Warren Lake	DNR	Cottonwood	4	3-Low	Repair	\$250	\$250	\$17,025	safety/maintain lake levels	
Mantorville	City	Dodge	4	3-Low	Repair/Modify	\$300	\$150	\$17,175	safety/maintain lake levels	
Freeborn Lake	DNR	Freeborn	4	3-Low	Repair	\$100	\$100	\$17,275	maintain lake levels	
Washington Lake	not known	LeSueur	4	3-Low	Repair	\$100	\$100	\$17,375	maintain lake levels	
4th Street (Austin)	private	Mower	4	3-Low	Remove	\$250	\$250	\$17,625	safety	
Louise Lake	DNR	Mower	4	3-Low	Repair	\$300	\$300	\$17,925	safety/restore fish passage	
Ramsey (Austin)	private	Mower	4	3-Low	Remove/modify	\$250	\$250	\$18,175	safety	
Ocheda	DNR	Nobles	4	3-Low	Repair	\$25	\$25	\$18,200	maintain lake levels	Don-put in steel, tampering
Lamberton	County	Redwood	4	3-Low	Remove/modify	\$300	\$150	\$18,350	safety/restore fish passage	
Sanborn	not known	Redwood	4	3-Low	Remove/modify	\$300	\$150	\$18,500	safety/restore fish passage	
Clear Lake	County	Sibley	4	3-Low	Replace	\$100	\$50	\$18,550	maintain lake levels	Leaning sheet pile, drawdown capability
Curran Lake	County	Sibley	4	3-Low	Repair	\$100	\$50	\$18,600	maintain lake levels	
High Island	DNR	Sibley	4	3-Low	Remove	\$200	\$200	\$18,800	safety/restore fish passage	
Elysian Lake	DNR	Waseca	4	3-Low	Repair	\$150	\$150	\$18,950	maintain lake levels	
Watonwan River Diversion	County	Watonwan	4	3-Low	Repair	\$100	\$100	\$19,050	maintain lake levels	Added in 2013
Granite Falls	City	Yellow Medicine	4	1-High	Modify	\$600	\$300	\$19,350	safety	

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.

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