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DEPARTMENT OF NATURAL RESOURCES

July 5, 2019

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 DNR submits this list 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,

Sulter

Sarah Strommen Commissioner

cc: Legislative Reference Library - Acquisitions (2 copies)
 Steve Colvin, DNR Ecological and Water Resources Division Director
 Kent Lokkesmoe, DNR Director of Capital Investment
 Jason Boyle, DNR Dam Safety Engineer
 Bob Meier, Assistant Commissioner

Minnesota Department of Natural Resources • Commissioners Office 500 Lafayette Road, Saint Paul, MN 55155

Equal Opportunity Employer

Dam Safety Program - Project Priority Needs List Prepared as directed by Minnesota Statutes Section 103G.511, Subdivision 12

DNR Ecological and Water Resources Updated May 30, 2019

(Dollars in Th			,						Opuated May 5	-	
Priority	Name	Owner	County	DNR		Project Type	Est			Primary Needs	Comments
Ranking Complete	Byllesby	County	Dakota/Goodhue	Region	Class 1-High	Popoir	Cost (K)	Cost (K) \$3,800	State Cost (K)	safety	Completed in 2015 modify
Complete	Pike River	DNR	St. Louis	2		Repair eng.	\$7,600			safety/maintain lake levels	Completed in 2015 modily
Complete	Coon Rapids	County	Hennepin	3		Repair/modify		\$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
	Champlin Mill Pond	City	Hennepin	3		Repair/modify	\$3,800			safety	Completed in 2016, non-matching 2014 grant
	Balsam Lake	DNR	Itasca	2	3-Low	Repair	\$300			safety/maintain lake levels	Completed in 2017
Complete Complete	St. Cloud Pelican Rapids	City City	Stearns Otter Tail	3	1-High	Repair eng.	\$3,612 \$45			safety safety	Completed in 2017, Obermeyer gates Completed in 2017, design
	Little Stone Lake	County	St. Louis	2	2-Med.	Repair City.	\$200	\$100		safety	Completed in 2017, culverts, 2017 bonding
Complete	Shady Lake	County	Olmsted	3		Remove	\$1,350			safety	Completed in 2018, 2010 s.s. and 2012
	Byllesby	County	Dakota/Goodhue		1-High	Repair	\$2,700			safety	Completed in 2018, CIP, 2014 bonding
	Byllesby	County	Dakota/Goodhue		1-High		\$400			safety	Completed in 2018, Bridge 2017 bonding
Complete funded FY14	Collinwood	DNR County	Meeker Blue Earth	4		Repair Repair	\$318 \$2,400			safety/maintain lake levels safety	Completed in 2018, Emergency Non-matching 2014 bonding
funded	Blue Mounds (Lower)	DNR	Rock	4		Replace	\$2,400			maintain lake levels/historic	Failed, disaster bonding (not dam safety \$)
	Pelican Rapids	City	Otter Tail	1		Repair eng.	\$1,000			safety	Rock masonry wall failed, spillway deteriorating
	Lake Bronson	DŃR	Kittson	1	1-High	Rehab. eng.	\$400	\$400		safety/maintain lake levels	Final design work
	Lake Bronson	DNR	Kittson	1	1-High	Repair	TBD			safety/maintain lake levels	Final design work
funded FY17	Lanesboro Willow River	City DNR	Fillmore Pine	3 2		Repair/rehab	\$4,000 TBD	\$4,000 TBD		safety/historical preservation	Major rehab; no local match, some hydro Failed in 2016 during flood; rock arch rapids
funded FY17		DNR	Lyon	4	2-Med. 3-Low	Repair/remove	TBD	TBD		safety safety	Camden SP: nine failure in 2015
	Sullivan Lake	DNR	Morrison	3	3-Low	Replace	TBD	TBD		maintain lake levels	Camden SP; pipe failure in 2015 Abutment- Local support, earth work
	West Leaf Lake	DNR	Otter Tail	1		Repair	TBD	TBD		maintain lake levels	Abutments- Local support, difficult access
	Grindstone River (Hinckley)	DNR	Pine	2		Replace/remove				safety	Right abutment; possible removal
funded FY17	Emergencies	TBD	TBD	TBD	TBD	TBD	TBD	TBD		safety	To Be Determined should an emergency arise
	Norway Lake	City	Cass Vellow Medicine	1		Rehab. eng.	\$400 \$400			safety	New DOT bridge being designed for 2020
funded FY17		County	Yellow Medicine	4	1-High	nepair	ֆ400	\$200		safety	Leaning intake riser
				1	t		1		1		
1	Lake Bronson	DNR	Kittson	1	1-High	Rehabilitation		\$18,000		safety/maintain lake levels	Rebuild dam
2	Norway Lake	City	Cass	1		Replace	\$300		\$18,150	safety	New DOT bridge being designed for 2020
3	Pelican Rapids	City	Otter Tail	1		Repair/remove	\$1,100				Rock masonry wall failed, spillway deteriorating
4	High Island Lake	DNR	Sibley	4		Repair	\$500			safety/maintain lake levels	Severe underseepage; failed spring 2019
0	Schultz Lake Warren Lake	DNR DNR	St. Louis Cottonwood	2	3-Low 3-Low	Repair Repair/remove	\$50 \$500	\$50 \$500		maintain lake levels safety/maintain lake levels	Old timber crib, not at authorized levels Overtopping protection or dam raise or removal
7	Silver Lake	City	Olmsted	3	2-Med.	Modify	\$4,000			safety/restore fish passage	2020/2021 part of larger project
8	Splitrock Creek	DNR	Pipestone	4	2-Med.	Repair	\$200	\$200		safety/maintain lake levels	Potential structural issues
9	Lake Titlow	City	Sibley	4	3-Low	Repair	\$600	\$300	\$22,250	maintain lake levels	Dam is rubble. Water quality issue as well.
10	Lime Lake	County	Murray	4	3-Low	Repair	\$350			maintain lake levels	Exposed rebar, undermined concrete
11	South Stanchfield	DNR	Isanti	3	3-Low	Replace	\$50			maintain lake levels	County bridge replacement is ready
12 13	Esquagama Lake	DNR DNR	St. Louis	2	3-Low	Repair/modify	\$500		\$22,975	maintain lake levels maintain lake levels	Replace stoplogs in all bays
14	Eden Lake Moose Lake State Park	DNR	Stearns Carlton	2	3-Low 3-Low	Repair Repair	\$150 \$250			recreation	Operation; Lake Assn. letter of support Conduit and riser rusted. Second dam close by.
15	Lake Linka	Pope SWCD	Pope	1	3-Low	Repair	\$50				Replace cradle and stabilize embankment
16	Hill Annex No. 1	State	Itasca	2	3-Low	Modify	\$100	\$100			High water levels
17	Hewitt/Wing River Dam	DNR/City	Todd	3	3-Low	Repair/modify	\$250		\$23,625	safety	removal/modification/abandoned?
18	Silver Lake	DNR	Waseca	4	3-Low	Rebuild/remove				maintain lake levels	Remove remants or rebuild
19	Donna Lake	not known	St. Louis	2	3-Low	Repair	\$100	\$50			Drummond Grade. Ownership unclear. Fisheries.
20	Drayton	Drayton, ND	Kittson	1		Remove/modify		TBD		safety/restore fish passage	Mitigation for F-M diversion; drownings
21 22	Sandstone (Robinson Park) Perkins Lake	not known DNR	Pine Stevens	1	3-Low 3-Low	Remove Repair	\$100 \$50			safety/maintain lake levels	Potential hazard to river users Public meeting, runout issues
23	Platte River	DNR	Morrison	3	3-Low	Remove	\$500		\$24,575	safety/fish passage	American Rivers interest in removal
24	Halleque	DNR	Douglas	1	3-Low	Repair	\$100	\$100	\$24,675	safety/maintain lake levels	Scarps and bad concrete
25	State Hospital Pond	State	Nicollet	4	2-Med.	Remove/modify			\$25,175	safety	Buildings may get wet, removal?, conduit
26	Long	State	Hubbard	1	3-Low	Modify	\$250		\$25,425	maintain lake levels	DOT project in 2023
27	Lightning Biles Birgs	DNR	Grant	1	3-Low	Repair	\$100			maintain lake levels	Dean Beck-Fisheries 2015; failing slowly 2018
28 29	Pike River Elim	DNR Carlton SWCD		2	2-Med. 3-Low	Repair Remove	\$4,000 \$1,000	\$4,000 \$500		safety/maintain lake levels	Poor condition, expensive repairs SWCD looking to remove the dams-private prop.
30	Hanson	Carlton SWCD		2	3-Low	Remove	\$1,000				SWCD looking to remove the dams-private prop.
31	Knife Lake	LID		3		Modify	\$500				Drowning machine?, Joe Raiolo,\$ seems high
32	Sunrise River Pool #1	DNR	Chisago	3	3-Low	Modify	\$50	\$50	\$30,825	safety	Bog problems, possible drowning machine
33	Sunrise River Pool #3	DNR	Chisago	3	3-Low	Modify	\$50			safety	Bog problems, possible drowning machine
34	Shields	DNR	Rice	4	3-Low	Repair	\$100 \$100			maintain lake levels	Don-right abutment has failed
35 36	Dam Lake Ten Mile	DNR DNR	Aitkin Otter Tail	2 1	3-Low 3-Low	Repair Repair	\$100 \$100	\$100 \$100		maintain lake levels maintain lake levels	Lonnie-both abutments Don-redo dam and embankment, sill
37	Eagle Lake	DNR	Crow Wing	2	3-Low	Repair	\$25			maintain lake levels	Don-put in steel, tampering
38	Hanging Kettle Lake	DNR	Aitkin	2	3-Low	Repair	\$100			maintain lake levels	Don/Lonnie- both abutments falling
39	Long (Tamefish)	DNR	Aitkin	2	3-Low	Repair/Modify	\$50	\$50	\$31,350	maintain lake levels	Sheet pile heave, rocks and debris
40	Borden	DNR	Crow Wing	2	3-Low	Repair	\$50			maintain lake levels	Leaning left abutment
41	Ripple Lake	DNR	Aitkin	2	3-Low	Repair	\$100 \$100			maintain lake levels	Don-put in steel, left abutment failing
42 43	Wynne Homer township/Pickwick	DNR Township	St. Louis Winona	2 3	3-Low 2-Med.	Modify Repair/modify	\$100 \$300	\$100 \$150		safety safety/maintain lake levels	log jam, right abutment fill, difficult access Order to repair, verify hazard
43 44	Rum River (Anoka)	City	Anoka	3	2-Ivied. 3-Low	Modify	\$300				Ekman-inquiry; flashboard, big gate
45	Otter Tail River (Phelps Mill)	County	Otter Tail	1	3-Low	Repair	\$100			safety/fish passage	Historic structure, fish passage
46	Clearwater River	Counties		3	3-Low	Repair	\$300	\$150			Recent bike trail
47	Big Stone Lake	WD/DNR	Big Stone	4	2-Med.	Modify	\$50	\$50	\$32,300	safety	Corps acceptance needed
48	Woolen Mill (Faribault)	City	Rice	4	2-Med.	Remove/modify					Need scope of project
49	Sunrise River (Kost)	County	Chisago	3	3-Low	Modify	\$100 \$150				Fishing hole; need further discussions
50 51	Pine Lake Northern Light Lake	DNR DNR/USFS	Aitkin Cook	2	3-Low 3-Low	Repair Repair	\$150 \$50			maintain lake levels maintain lake levels	Lonnie-not high priority, but keep on list Need internal discussions, possible removal?
52	Melrose	City	Stearns	3	2-Med.	Repair	\$50				Wall repair. Exploring possible projects.
53	French Lake	County	Rice	4	3-Low	Replace	\$200			maintain lake levels	Joe McGough-5 years
54	Crooked Creek R-3	SWCD	Houston	3	3-Low	Repair	\$100	\$50			sinkhole
55	Bear Creek Site No. 3	SWCD	Houston	3	3-Low	Repair	\$100	\$50	\$33,150	safety	sinkhole
56	Pioneer Tailings	City	St. Louis	2	3-Low	Repair/remove	\$100	\$50	\$33,200	safety	May want to remove, near golf course
57	Pioneer Tailings Clarification	City	St. Louis	2	3-Low	Repair/remove	\$100			satety	May want to remove, near golf course
58	Douglas Tailings	State	St. Louis	2	3-Low	Remove Repair/remove	\$50 \$500				Breach dam when done mining
59 60	Abandoned mining dams Clayton Lake	State DNR	Various Pine	2	3-Low	Repair/remove Repair	\$500 \$1,800			safety/historic preservation	Research Completely new spillway
00	Ciayton Lake			4	0-LOW	nepail	φ1,000	φι,ουυ	φ 3 5,000	salety/historic preservation	Completely new spillway

The remaining projects are grouped by DNR Region and are not prioritized. 3-Low Repair 3-Low Repair 3-Low Repair 3-Low Repair 3-Low Modify 2-Low Papair \$35,625 maintain lake levels \$35,775 maintain lake levels \$35,875 maintain lake levels Hattie Lake Miltona Lake DNR DNR DNR DNR City DNR \$25 \$150 \$100 \$25 \$150 \$100 Don-put in steel, dam ok Concrete deterioration, leaning left abutment Cass Douglas Upper Hunt Lake Portage Lake Stephen Douglas Hubbard Marshall \$200 \$200 \$200 \$100 \$36,075 maintain lake levels \$36,175 safety/restore fish passage Otter Tail Otter Tail Otter Tail Otter Tail Otter Tail Otter Tail \$100 \$100 \$50 \$50 \$100 \$100 3-Low Repair N/A Remove remnan 3-Low Repair Blanche \$100 \$36,275 maintain lake levels Don-put in steel, concrete pier deterioration City DNR DNR DNR DNR \$100 \$100 \$50 \$50 \$100 \$100 Fergus Falls Long (Dalton) \$36,375 safety \$36,425 maintain lake levels Don-put in steel, concrete deterioration 3-Low Repair 3-Low Repair 3-Low Repair Don-put in steel, concrete deterioration Don-snowmobile trail; letter of support \$36,475 maintain lake levels \$36,575 maintain lake levels \$36,675 maintain lake levels Long (Elizabeth) Prairie Lake Rose Lake \$300 \$50 \$100 \$100 \$25 \$100 \$300 \$50 \$100 \$100 \$25 \$100 Crissy Lake Hill Lake Stevens Aitkin \$36,975 safety/restore fish passage \$37,025 maintain lake levels 2-Med. Modify 3-Low Repair Don-put in steel Crow Wing Crow Wing Crow Wing Greer Lake O'Brien Lake Round Lake 3-LowRepair3-LowRepair3-LowRepair3-LowModify \$37,125 maintain lake levels \$37,225 maintain lake levels \$37,250 maintain lake levels Steel recently installed Don-put in steel, concrete deterioration Buck Lake Itasca \$37,350 safety/aesthetics Splithand Lake Itasca St. Louis 3-Low Remove 3-Low Repair \$100 \$100 \$100 \$100 \$100 \$100 \$37,450 safety/aesthetics \$37,550 safety/maintain lake levels Don-dam ok? St. Louis St. Louis St. Louis Mille Lacs 3-Low Repair 3-Low Repair 3-Low Modify 2-Med. Modify 3-Low Modify 3-Low Remov Pequaywan Sturgeon Lake \$50 \$100 \$500 \$500 \$600 \$300 \$50 \$100 \$50 \$37,600 safety/maintain lake levels \$37,700 maintain lake levels Don-fix eroded hole on apron Don-? \$37,750 maintain lake levels Wildlife concern with safe bog removal Onamia \$38,000 safety \$38,300 safety \$38,450 safety/restore Sauk Centre Fairhaven Springfield Stearns Wright/Stearns Brown \$250 \$300 \$150 City County

Inglicia		DIOWII	- 3 2010	rtcmove/moury	ψ000	ψ100		
alcot Lake	DNR	Cottonwood	4 3-Low	Repair				
	City	Dodge	4 3-Low	Repair/Modify				
		Kandiyohi	4 3-Low	Repair				Ethan-important lake, spalling
ouise Lake	DNR	Mower	4 3-Low	Repair	\$300		\$39,350 safety/restore fish passage	
cheda	DNR	Nobles	4 3-Low	Repair	\$25	\$25	\$39,375 maintain lake levels	Don-put in steel, tampering
ysian Lake	DNR	Waseca	4 3-Low	Repair	\$150			
atonwan River Diversion			4 3-Low	Repair				Added in 2013
ranite Falls	City	Yellow Medicine	4 1-High	Modify	\$600	\$300	\$39,925 safety	Mixed interest in whitewater park
	ntorville Ihoun uise Lake iheda sian Lake atonwan River Diversion	antorville City Ihoun DNR uise Lake DNR sheda DNR rsian Lake DNR atonwan River Diversion County opite Follo	Intorville City Dodge Ihoun DNR Kandiyohi uise Lake DNR Mower sian Lake DNR Nobles rsian Lake DNR Waseca county Watonwan county Watonwan	Intorville City Dodge 4 3-Low Ihoun DNR Kandiyohi 4 3-Low uise Lake DNR Mower 4 3-Low cheda DNR Nobles 4 3-Low rsian Lake DNR Waseca 4 3-Low atonwan River Diversion County Watonwan 4 3-Low atonwan River Diversion County Watonwan 4 3-Low	Intorville City Dodge 4 3-Low Repair/Modify Ihoun DNR Kandiyohi 4 3-Low Repair uise Lake DNR Mower 4 3-Low Repair wheda DNR Nobles 4 3-Low Repair sian Lake DNR Waseca 4 3-Low Repair atonwan River Diversion County Watonwan 4 3-Low Repair	IntorvilleCityDodge43-LowRepair/Modify\$300IhounDNRKandiyohi43-LowRepair\$300uise LakeDNRMower43-LowRepair\$300chedaDNRNobles43-LowRepair\$25sian LakeDNRWaseca43-LowRepair\$150atonwan River DiversionCountyWatonwan43-LowRepair\$100	antorville City Dodge 4 3-Low Repair/Modify \$300 \$150 Ihoun DNR Kandiyohi 4 3-Low Repair \$300 \$300 uise Lake DNR Mower 4 3-Low Repair \$300 \$300 sheda DNR Nobles 4 3-Low Repair \$25 \$25 sian Lake DNR Waseca 4 3-Low Repair \$150 \$150 atonwan River Diversion County Watonwan 4 3-Low Repair \$100 \$100	Intorville City Dodge 4 3-Low Repair/Modify \$300 \$150 \$38,750 safety/maintain lake levels Ihoun DNR Kandiyohi 4 3-Low Repair \$300 \$300 \$39,050 safety/maintain lake levels uise Lake DNR Mower 4 3-Low Repair \$300 \$300 \$39,050 safety/restore fish passage wheda DNR Nobles 4 3-Low Repair \$25 \$25 \$39,375 maintain lake levels sian Lake DNR Waseca 4 3-Low Repair \$150 \$150 \$39,525 maintain lake levels atonwan River Diversion County Watonwan 4 3-Low Repair \$100 \$39,625 maintain lake levels

For more information contact: Steve Colvin at (651) 259-5709, Kent Lokkesmoe at (651) 259-5701, or Jason Boyle at (651) 259-5715.