

NEWMAN LAKE FLOOD CONTROL ZONE DISTRICT 2020 BUDGET

INCOME SUMMARY	2017 BUDGET			2017 ACTUAL			2018 BUDGET			2019 BUDGET			2020 PROPOSED BUDGET			
	FC	WQ	Total	FC	WQ	Total	FC	WQ	Total	FC	WQ	Total	FC	WQ	Total	
1 NLFCZD Assessments	\$40,000	\$198,700	\$238,700	\$40,145	\$198,840	\$238,985	\$40,000	\$198,700	\$238,700	\$28,528	\$226,744	\$255,272	\$49,405	\$205,773	\$255,178	NO INCREASE PROPOSED
2 Investment Interest	\$500	\$500	\$1,000	\$311	\$311	\$621	\$500	\$500	\$1,000	\$500	\$500	\$1,000	\$500	\$500	\$1,000	
3 Transfer from Reserves	\$61,838	\$0	\$61,838	\$45,797	\$0	\$45,797	\$0	\$0	\$0	\$10,784	\$11,000	\$21,784	\$0	\$20,963	\$20,963	(\$41,000, 3 yrs; PM/Admin Cap Grant)
4 Grant Reimbursement ²	\$0	\$11,745	\$11,745	\$8,444	\$15,109	\$23,552	\$48,131	\$12,130	\$60,261	\$0	\$0	\$0	\$0	\$10,000	\$10,000	(Milfoil Grant carry-over, and 2020)
5 Misc Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$25	\$25	\$50	\$10,025	\$20,025	\$30,050	\$0	\$0	\$0	
6 TOTAL INCOME	\$102,338	\$210,945	\$313,283	\$94,696	\$214,260	\$308,956	\$88,656	\$211,355	\$300,011	\$49,837	\$258,269	\$308,106	\$49,905	\$237,236	\$287,141	
EXPENDITURES																
Salaries/OH/Benefits																
10 NL Manager and Engineer	\$20,206	\$37,526	\$57,732	\$28,300	\$24,505	\$52,805	\$25,200	\$21,042	\$46,242	\$23,022	\$46,031	\$69,053	\$29,051	\$66,299	\$95,350	\$20,963 via Reserves for CBP
11 NL Technician	\$5,221	\$20,884	\$26,105	\$2,585	\$21,300	\$23,885	\$7,711	\$24,039	\$31,750	\$1,072	\$11,108	\$12,180	\$2,352	\$14,305	\$16,657	
12 FC/Aerator Extra Help	\$2,100	\$4,140	\$6,240	\$3,950	\$3,054	\$7,004	\$2,698	\$4,946	\$7,643	\$2,515	\$4,610	\$7,125	\$2,992	\$6,567	\$9,559	
13 Other Assistance	\$2,900	\$2,900	\$5,800	\$7,867	\$3,146	\$11,012	\$1,930	\$1,930	\$3,860	\$1,138	\$759	\$1,897	\$1,167	\$778	\$1,945	
14 Subtotal-	\$30,427	\$65,450	\$95,877	\$42,701	\$52,005	\$94,706	\$37,538	\$51,957	\$89,495	\$27,747	\$62,508	\$90,255	\$35,562	\$87,949	\$123,511	
Support Agreements and Assistance																
20 Lake WQ Mon & Lab Services		\$34,750	\$34,750	\$0	\$34,750	\$34,750		\$34,750	\$34,750		\$31,000	\$31,000		\$31,000	\$31,000	
21 Watershed Activities		\$950	\$950	\$0	\$0	\$0		\$950	\$950		\$950	\$950		\$950	\$950	
22 NPDES & Dam Safety Permits	\$0	\$550	\$550	\$0	\$585	\$585	\$1,250	\$811	\$2,061	\$1,250	\$811	\$2,061	\$1,250	\$811	\$2,061	
23 NRCS for Snow Gage Site	\$3,000		\$3,000	\$3,000	\$0	\$3,000	\$3,000	\$0	\$3,000	\$3,000	\$0	\$3,000	\$3,000	\$0	\$3,000	
24 Legal Assistance	\$100	\$100	\$200	\$22	\$0	\$22	\$100	\$100	\$200	\$200	\$200	\$400	\$200	\$200	\$400	
25 Appraisers/Remapping										\$10,000	\$20,000	\$30,000	\$0	\$0	\$0	
27 Subtotal-	\$3,100	\$36,350	\$39,450	\$3,022	\$35,335	\$38,357	\$4,350	\$36,611	\$40,961	\$14,450	\$52,961	\$67,411	\$4,450	\$32,961	\$37,411	
Equip. & Facility Oper./Repair/Maint.																
30 Minor FC Maintenance/Repairs	\$1,500		\$1,500	\$3,314	\$0	\$3,314	\$845		\$845	\$1,845	\$0	\$1,845	\$1,945	\$0	\$1,945	
31 Sump Cleaning / Dike Repair	\$62,000		\$62,000	\$39,091	\$0	\$39,091			\$0			\$0			\$0	
32 Noxious Weed Control	\$3,000		\$3,000	\$0	\$0	\$0	\$3,000		\$3,000	\$3,500		\$3,500	\$3,600		\$3,600	
33 Milfoil Control		\$15,840	\$15,840	\$0	\$20,580	\$20,580		\$15,000	\$15,000		\$23,500	\$23,500		\$20,000	\$20,000	
34 Electricity		\$23,500	\$23,500	\$0	\$27,238	\$27,238		\$23,500	\$23,500		\$28,000	\$28,000		\$25,000	\$25,000	
35 Alum Purchases		\$42,660	\$42,660	\$0	\$31,332	\$31,332		\$34,000	\$34,000		\$40,500	\$40,500		\$45,000	\$45,000	
36 Equipment Maint.		\$8,000	\$8,000	\$0	\$10,115	\$10,115		\$23,000	\$23,000		\$46,200	\$46,200		\$13,500	\$13,500	
37 Water Service		\$450	\$450	\$0	\$450	\$450		\$450	\$450		\$450	\$450		\$450	\$450	
38 Materials and Supplies	\$450	\$975	\$1,425	\$1,628	\$141	\$1,769	\$450	\$975	\$1,425	\$450	\$975	\$1,425	\$450	\$975	\$1,425	
39 Subtotal-	\$66,950	\$91,425	\$158,375	\$44,033	\$89,856	\$133,888	\$4,295	\$96,925	\$101,220	\$5,795	\$139,625	\$145,420	\$5,995	\$104,925	\$110,920	
Overhead																
40 Property Taxes	\$35	\$0	\$35	\$0	\$0	\$0	\$35	\$0	\$35	\$35	\$0	\$35	\$35	\$0	\$35	
41 Insurance	\$100	\$125	\$225	\$0	\$0	\$0	\$100	\$125	\$225	\$100	\$125	\$225	\$100	\$125	\$225	
42 Motorpool/Mileage/Phones	\$750	\$1,500	\$2,250	\$3,508	\$2,172	\$5,680	\$800	\$1,900	\$2,700	\$800	\$1,900	\$2,700	\$800	\$1,900	\$2,700	
43 Adver., Printing, Post., Publ.	\$300	\$325	\$625	\$498	\$393	\$891	\$300	\$325	\$625	\$300	\$325	\$625	\$300	\$325	\$625	
44 Webpg updates, Public Outrch	\$475	\$950	\$1,425	\$933	\$933	\$1,867	\$475	\$725	\$1,200	\$435	\$650	\$1,085	\$435	\$650	\$1,085	
45 Training/Travel	\$200	\$500	\$700	\$0	\$135	\$135	\$175	\$175	\$350	\$175	\$175	\$350	\$175	\$175	\$350	
46 Subtotal-	\$1,860	\$3,400	\$5,260	\$4,940	\$3,633	\$8,573	\$1,885	\$3,250	\$5,135	\$1,845	\$3,175	\$5,020	\$1,845	\$3,175	\$5,020	
50 Expense Subtotal	\$102,337	\$196,625	\$298,962	\$94,696	\$180,829	\$275,525	\$48,068	\$188,743	\$236,811	\$49,837	\$258,269	\$308,106	\$47,852	\$229,010	\$276,862	
60 Added to Reserves	\$0	\$14,320	\$14,320	\$0	\$33,430	\$33,430	\$40,587	\$22,612	\$63,200	\$0	\$0	\$0	\$2,053	\$8,226	\$10,279	
70 TOTAL EXPENDITURES	\$102,337	\$210,945	\$313,282	\$94,696	\$214,260	\$308,955	\$88,656	\$211,355	\$300,011	\$49,837	\$258,269	\$308,106	\$49,905	\$237,236	\$287,141	
RESERVES SUMMARY¹																
	FC	WQ	TOTAL	FC	WQ	TOTAL	FC	WQ	TOTAL	FC	WQ	TOTAL	FC	WQ	TOTAL	
Reserves as of January 1st	\$64,104	-\$12,666	\$51,438	\$64,104	-\$12,666	\$51,438	\$19,699	\$27,683	\$47,382	\$60,286	\$50,296	\$110,582	\$60,286	\$50,296	\$110,582	
From/Added to Repair Reserves	-\$61,838	\$14,320	-\$47,518	-\$45,797	\$33,430	-\$12,367	\$40,587	\$22,612	\$63,200	-\$10,784	-\$11,000	-\$21,784	\$2,053	-\$12,737	-\$10,684	
Reserves as of December 31st	\$2,266	\$1,654	\$3,920	\$19,699	\$27,683	\$47,382	\$60,286	\$50,296	\$110,582	\$49,502	\$39,296	\$88,798	\$62,339	\$37,559	\$99,898	

1) Reserves are defined as the "end of fiscal year account balance." Goal reserve balances are defined in the Policy and Procedures Manual as \$40,000 for Flood Control and \$70,000 for Water Quality.

Budget Notes for AB

NLFCZD ESTIMATED 2020 MAN-DAYS (STAFF COST)

UPDATED: 10/03/2019 - DRAFT VERSION 5

2019
BUDGET

	Staff Days						
	Colleen	Malc/Daws	KK/KC/Adm	Dean/Richard	Bridge Crew		
FLOOD CONTROL							
Perform annual dike inspection	0.5	1.0					
Perform annual channel and FC facility inspection	0.5	1.0					
Complete maintenance and repair work identified in inspections		2.0				3.0	
1 Project Management / Grant Administration for Capital Budget Grant Award	3.0	9.0					
Prepare annual Facility Inspection Report for NRCS		1.0					
2 Monitor lake and stream gages, adjust gates as needed, maintain lake level database	1.0	5.0		18.0			
3 Planning/engineering/coordination with NRCS and DSO (dam/dike reclassification)	2.5	7.0					
4 Administer contract to spray noxious weeds in channel and sump			1.5				
5 Assist NRCS with SNOTEL site monitoring		1.0					
6 Public Outreach - Dam plans	1.5	2.5					
SUB TOTAL	9.0	29.5	1.5	18.0	3.0	61.0	52.0
OXYGEN AERATION SYSTEM						49.0	
Pull and store boat in fall, launch in spring, perform maintenance as needed		1.0	1.0		2.0		(excluding time to manage Capital Budget Projects)
7 Set aerator buoys in spring, pull in fall		2.0	1.0				
8 Daily monitoring, read and record gages, perform minor building maintenance	1.0	9.0		20.0			
Administer maintenance contract, maintain records	0.5	3.5					
9 Project Management / Grant Administration for Capital Budget Grant Award	7.0	22.5					
SUB TOTAL	8.5	38.0	2.0	20.0	2.0	70.5	42.0
ALUM INJECTION SYSTEM						41.0	
Start up system and winterize system		2.0		1.0			(excluding time to manage Capital Budget Projects)
10 Administer alum contract, maintain records, Project Management related tasks	1.0	3.0					
11 Daily monitoring, read and record gages, perform minor maintenance and repairs	0.5	5.0		18.0			
12 Assist WQ consultant (drive boat, record readings, assist w/sample collection)	1.5	3.0					
13 Administer water quality monitoring contract	0.5	1.0	1.0				
14 Complete State of the Lake Report for DOE NPDES Permit	0.5	2.0					
SUB TOTAL	4.0	16.0	1.0	19.0	0.0	40.0	30.0
MILFOIL MANAGEMENT							
Conduct milfoil surveys, prepare maps, distribute public notices			5.0				
Administer diver suction and herbicide contracts			6.0				
Prepare annual/final reports for milfoil project, grant management	0.5		2.0	0.5			
SUB TOTAL	0.5	0.0	13.0	0.5	0.0	14.0	14.0
OTHER WATER QUALITY RELATED TASKS							
Review and comment on Forest Practice applications			0.5				
15 Assist with permitting violations for shoreline projects	1.0		2.5				
16 Water quality sampling and testing		1.0	1.0				
17 Meet w/Ecology, SCCD, and AB; write grants for two studies (phosphorus/geology)	6.0	12.0	1.5				
SUB TOTAL	7.0	13.0	5.5	0.0	0.0	25.5	27.0
ADMINISTRATIVE COSTS - Split Between WQ (70%) and FC (30%)							
18 Assessment map update - Project Manage BOA, data gathering, IT/GIS coordination	3.0	2.0	4.0				
Complete Update of Policy and Procedures Manual	1.0	3.0					
Process invoices and track expenses	0.5	4.0					
Develop annual budget	3.0						
19 Coordinate AB Meetings, respond to board correspondence	18.0	4.0	2.0				
20 Advertise, review applications, coordinate/attend interviews for AB positions	2.0	1.0	1.0				
21 Prepare and update NLFCZD webpage	1.5	4.0	2.0				
Prepare the yearly assessment roll	1.0		1.0				
22 Respond to landowner questions and public information requests	3.0	2.0	4.0				
23 General program management and employee supervision	4.0						
Other	2.0	2.0	1.0				
SUB TOTAL	36.0	20.0	11.0	0.0	0.0	67.0	47.0
GRAND TOTAL MAN-DAYS	65.0	116.5	34.0	57.5	5.0	278.0	

2020 cost/day =	\$553.05	\$403.13	\$426.00	\$144.56	\$338.32	
ESTIMATED Cost/day with ESTIMATED 2020 Indirect Rate of 15% =	\$636.01	\$463.59	\$489.90	\$166.24	\$389.07	
Total Days FC =	19.8	35.5	4.8	18.0	3.0	
Total Days WQ =	45.2	81.0	29.2	39.5	2.0	
Total Staff Cost FC =	\$12,593	\$16,458	\$2,352	\$2,992	\$1,167	\$35,562
Total Staff Cost WQ =	\$28,748	\$37,551	\$14,305	\$6,567	\$778	\$87,949
Total Staff Cost =	\$41,341	\$54,009	\$16,657	\$9,559	\$1,945	\$123,511
TOTAL =						\$123,511

2020 PM/Admin - Capital Budget Grant Award - Capital Projects	Colleen	Malc/Daws		\$29,051 FC Engrs	\$ 123,511
	10.00	31.50		\$2,352 FC Tech	\$ (20,963)
	\$ 6,360	\$ 14,603	\$ 20,963	\$2,992 FC Extra Help	\$ 102,547
	covered in reserves	\$ 20,963		\$1,167 FC Bridge	
				\$66,299 WQ Engrs	
2020 District Staff Time Allocated for Grant Application Research / Write / Prep	Colleen	Malc/Daws	Tech/Admin	\$14,305 WQ Tech	
	\$ 6	\$ 12	\$ 2	\$6,567 WQ Extra Help	
	\$ 3,816	\$ 5,563	\$ 735	\$778 WQ Bridge	
	covered in reg budget	\$ 10,114		\$123,511 TOTAL LABOR	<i>(double check)</i>

NEWMAN LAKE FLOOD CONTROL ZONE DISTRICT

2020 BUDGET - MAN DAYS REFERENCE NOTES

NO.	EXPLANATION OF CHANGE IN MAN DAYS from 2019 BUDGET to 2020 BUDGET
FLOOD CONTROL	
1	Due to the unknowns associated with the work required to implement the Capital Projects, this is our best estimate of the time needed in 2020.
2	These numbers were developed from actual hours/days accrued for this task during 2019; this is the estimated cost to perform this work.
3	District coordination with NRCS and DSO regarding dike/dam reclassification is an obligation of the District; therefore, must be included in the budget.
4	The noxious weed contract is administered by Karen Kruger, not Dawson or Malcolm; therefore these numbers remain the same as prior draft.
5	Agreed to drop my staff time with regard to SNOTEL management.
6	District communication with the public regarding dike/dam reclassification is an obligation of the District; therefore, must be included in the budget.
OXYGEN AERATION SYSTEM	
7	The idea of volunteers pulling the buoys out, storing them, and placing them was discussed. Due to the potential liability should someone get hurt, and the risk of cabling or other equipment being damaged, District staff will continue to put the buoys out, and pull them in each season.
8	The numbers were developed from actual hours/days accrued for this task; this is the estimated cost to perform the work.
9	Due to the unknowns associated with the work required to implement the Capital Projects, the numbers remain the same as prior draft.
ALUM INJECTION SYSTEM	
10	Based on an analysis of accrued time in 2019, and past experience as to the time it takes to manage these tasks, these man days have been increased.
11	Based on an analysis of accrued time in 2019, and past experience as to the time it takes to manage these tasks, these man days have been increased.
12	District staff is required to operate the boat when WQ monitoring consultant performs sampling; staff assists consultant, as needed.
13	There are several staff members that have a hand in managing the WQ monitoring consultant contract (i.e. coordination, payment of invoices, etc.)
14	District Manager reviews, and staff engineer now writes, the report, which reduces the cost to the District budget by more than half (@ \$1,000, vs \$2,000)
OTHER WATER QUALITY RELATED TASKS	
15	More shoreline violations are identified every year, which often involves field visits, photo documentation, notification, and follow-up coordination.
16	The 2019 budget included 19 man days for staff to perform the WQ sampling; a few man days were left in budget for algae sample collection, etc.
17	AB proposed (and accepted) District staff time allocated toward the development of two grant applications for two separate lake health studies
ADMINISTRATIVE COSTS (Split between WQ at 70% and FC at 30%)	
18	The Assessment Map Update is slated to occur primarily in 2020; will work with accounting to determine how to move loan forward to cover labor.
19	These numbers are based upon actual time spent in 2019, extrapolated forward for the year, to estimate for 2020. These are reduced from projected. 18 Man-Days allocated to respond to AB = 2.75 hours per week; 2019 allowed for 0.75 hr/wk; current rate for 2019 is about 9-10 hrs/wk.
20	Staff time exceeds budget to update AB vacancy advertisement, email, update webpage, screen applicants, attend interviews, write Resolution, etc.
21	Staff time to keep information on the webpage more current has been built into the 2020 budget.
22	Staff time exceeds budget to respond to community who have questions about wildlife, aquatic vegetation, shoreline/floodplain/building violations, etc.
23	The 2019 budget allocated a total of 5 man days for the District Manager for general District management and to supervise/oversee staff; District Manager time exceeds budget to oversee 6-10 staff who work for NLFCZD - three of which, a significant amount of their time is designated specifically for NL.

NLFCZD 2020 ESTIMATED CONTRACTS AND PURCHASES

UPDATED: 10-03-2019 (DRAFT VERSION V5)

Line #	Support Agreements and Assistance	FC	WQ		
Line 20	Water Quality Monitoring Services, Monitoring Equipment Purchases, and Lab Fees		\$ 31,000.00		
Line 21	Watershed Activities Including Regional Lakes Conference Sponsorship		\$ 950.00		
\$2,061 Line 22	DOE Dam Safety Permit (expected)	\$ 1,250.00			
Line 22	DOE NPDES Permit		\$ 811.00		
Line 23	NRCS SNOTEL Agreement	\$ 3,000.00			
Line 24	Legal Assistance	\$ 200.00	\$ 200.00		
		\$ 4,450.00	\$ 32,961.00	\$ 37,411.00	2020
				\$67,411.00	2019

Line #	Maintenance projects/Operating Expenses	FC	WQ		
Line 35	Alum Purchase Contract (Thatcher Chemical) - 10 tanks (4-5 spring/5-6 fall) @ \$4,500 ea		\$45,000.00	Footnote #1	
Line 34	Electricity for Compressor Building (Inland Power)		\$25,000.00	Footnote #2	
Line 33	Milfoil Contract for Herbicide and Diver Suction Removal		\$20,000.00	Footnote #3	
\$13,500 Line 36	Oxygenator System Maintenance Contract (Rogers Machinery)		\$10,500.00		
Line 36	Air-Sep Factory Service Inspection of Oxygenators		\$1,600.00		
Line 36	Boat Winterization (H&S Marine) and Misc Repairs		\$400.00		
Line 36	Boat Slip Rental (Sutton Bay Resort)		\$400.00		
Line 36	Road Oiling (Sutton Bay Road)		\$600.00		
Line 32	Noxious Weed Spray Contract	\$3,600.00			
\$1,945 Line 30	Other FC Facility Maintenance	\$1,100.00			
Line 30	Geiger Crew (Facility Maintenance)	\$845.00			
Line 37	Water Service (Moab Irrigation District)		\$450.00		
Line 38	Materials and Supplies	\$450.00	\$975.00		
	Subtotal	\$5,995.00	\$104,925.00	\$110,920.00	2020
	<i>Difference is Speece Cone related dive inspections and repair; dive inspection of alum/oxygen aeration distribution system</i>			\$145,420.00	2019

Line #	Overhead /Other Staff Costs	FC	WQ		
Lines 40,41,43,44	Other (Property Taxes, Ins, Adver/Print/Postage/Publications, Webpage/Public Outreach)	\$870.00	\$1,100.00	Footnote #4	
Line 42	Cell Phones Reimbursement (Extra Help)	\$300.00	\$300.00	Footnote #5	
Line 42	Motor Pool / Vehicle Charges / Mileage Reimbursement (Extra Help)	\$500.00	\$1,600.00	Footnote #6	
Line 45	WALPA Conference, Training	\$175.00	\$175.00		
		\$1,845.00	\$3,175.00	\$5,020.00	2020
	<i>These costs are fairly consistent</i>			\$5,020.00	2019

EXPENSES	\$12,290.00	\$141,061.00	\$153,351.00	2020
FLOOD CONTROL		WATER QUALITY	TOTAL	
			\$ 217,851.00	2019
			\$ 205,601.00	2019

When money allocated from reserves to pay to pull pump are removed, this was the total budget.

- FN#1 One of the number one ways to increase the potential for high quality lake health is to inject alum into the lake during the spring and fall windows when the lake is mixing; this allocation has been reduced over the years, but steadily increasing the past three. This follows the same logic, that with less budget needed for repair/maintenance of equipment, to divert those funds toward direct improved lake health = more alum purchased.
- FN#2 Actual accrued cost for electricity is in sync with the amount budgeted.
- FN#3 Grant reimbursement shown on main Budget tab of \$10,000 is relative to our estimate of carry-over 2019, plus our estimate of 2020 reimbursement.
- FN#4 These can't be zero. NLFCZD is required to pay taxes and insurance; therefore, these budgeted amounts remains as-is.
- FN#5 These can't be zero. Dean and Richard get \$25/mo for cell phone reimbursement (or \$300 FC and \$300 WQ per year); therefore, this remains as-is.
- FN#6 These can't be zero. Dean and Richard get their mileage reimbursed at the federal rate, for the use of their personal vehicles for District work.