

July 2020 MPS Budget Notes:

General Challenges with Creating a balanced Long-Term MPS:

- Past delays and deferrals concentrated expensive implementation phases into the FY24-25 biennium.
- Project lasts for different lengths of time and costs vary substantially year to year.
- Projects generally can't be moved earlier than scheduled due needed the up-front work and processes.
- Budgets for projects not yet scoped or designed are very tentative.
- The actual time for a SAG to accomplish any task is unpredictable.
- We have projects being designed internally (signifying priority) that have not been assigned implementation budgets.
 - The water typing studies will have very high costs - needing a new revenue stream or will replace multiple ongoing studies.
 - ETHEP will need funds beginning FY23-FY24.
 - RCS study may cost a little more than budgeted to implement.
 - A moderate positive variance could be used by one or both of these smaller projects in next two biennium.

The following two alternative scenarios were recommended by Policy Budget Subcommittee for consideration at the July 14 TFW Policy meeting:

Changes Common to both Scenarios:

Scenario 1 and 2:

- 1) Amphibians in discontinuously flowing Np reaches scoped then held for 3 years.
- 2) Purchase LiDAR for DSL and ENREP studies in FY22-23 biennium.
- 3) Wetlands Intensive Monitoring moved out to 2029.
- 4) Road Sub-Basin-Scale Effectiveness Monitoring moved out to 2029.
- 5) Watershed Scale Assessment of Cumulative Effects moved out to 2029.

Reason for Proposed Change:

- Held to manage budget deficits and to consider need after Np buffer decisions.
- Uses high single year surplus in biennium and needed for ongoing research.
- Moved out to start after preliminary subject matter studies are completed.
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Changes Unique to Each Scenario

Scenario 1:

- 1) Hire **both** CMER staff in 2022.
- 2) Westside Type F moved out **one** year.
- 4) WMZ study designed by staff on schedule, but implementation moved out **three** years.
- 3) **RCS combines east and west side sampling into one sample year** (2023).

Reason for Proposed Change:

- Staff do the heavy lifting for projects, and hiring timing can be moved to address additional budget cuts.
- Believe needed anyway given current status.
- Field implementation moved out to manage budget.
- Combined to manage projected surplus in biennium.

Scenario 2:

- 1) Hires **one** CMER staff in 2022, and the other in 2026.
- 2) Westside Type F moved out **three** years.
- 4) WMZ study scoped by WetSAG then delayed for **four** years.
- 6) **Add Hard Rock Phase III Amphibian Demographics** two-year option to FY22-23.

Reason for Proposed Change:

- Eases current staff overload issue while freeing up funds for HR Phase III.
- Moves project out further to free funds for HR Phase III.
- Moved out to free funds for HR Phase III and to manage budget.
- Needs to happen ASAP because we are losing reference sites.

Both scenarios leave small positive variances in next two biennium.

Master Project Schedule and Budget for the Adaptive Management Program		Scenario 2	
Originally approved by the Forest Practices Board - 09 May 2019 (with Amendments)			
Modified and approved by Board - 12 May 2020			
Adjustments and proposed revisions post 05/12/2020 are shown in 'Revised' column (version date: 07/09/20)			
Revision	Expenditure	Revised estimates shown in cells with blue highlighting	
		Original	Revised
Year		FY2020	FY2021
	Administration and Program Staff		
	Program Administration (AMR and Contact Specialist)	254,600	254,600
	Administrative Assistant (Supports FW Policy & CMER)	56,100	56,100
	Project Support (1.75 Project Managers)	490,700	490,700
	CMER Scientist (1.41 Wetlands, Geologist, Ecologist, Wetlands)	498,275	498,275
	CMER Scientist (WMA)	94,600	94,600
	Independent Scientific Peer Review	95,874	95,874
	Information Management System Updates	0	0
	CMER Conference (Policy, effectiveness, programs)	0	0
	Contingency Fund for Projects	40,000	40,000
	Total Policy Committee (Exclusion-on-land-conditions)	0	0
	Treatment Editor (on-est-conditions)		
	Policy Committee Non-CMER Initiatives	117,000	117,000
	Type Aa Workshops (Collaborative Research Allowance, Direct Buy, & Enhanced Participation Grants)	150,000	150,000
	AMR Research (on-est-conditions for the Collaborative Research)	0	0
	Research and Monitoring Projects		
	Hard Rock Lithology - Type N Experimental Buffer Treatment Project - Temporarily Monitoring (Report extended)	134,175	134,175
	Hard Rock Lithology - Type N Experimental Buffer Treatment Project - Extended Amphibian (Analysis & Summary)	36,715	36,715
	Soft Rock Lithology - Type N Experimental Buffer Treatment Project - (1) Monitoring ends Fall 2017, 2) post harvest	20,000	20,000
	Soft Rock Lithology - Type N Experimental Buffer Treatment Project - Extended monitoring through 2020 (FY17)	139,000	139,000
	Intensive Riparian Status and Trend Monitoring - Vegetation, Type 7/N - Westside (Remote Setting)	19,000	19,000
	Intensive Riparian Status and Trend Monitoring - Object Based Landform Mapping	8,840	8,840
	Intensive Riparian Status - Show Low Landscape Susceptibility	0	0
	Intensive Riparian Status - Show Low Landscape Assessment	0	0
	Intensive Riparian Status - Management Susceptibility Mapping	0	0
	Exclosure Type I Riparian Effectiveness Monitoring (EMEP)	696,376	696,376
	Exclosure Type I Riparian Effectiveness Monitoring	175,000	175,000
	Deep Scouted Research Strategy - Mapping Objectives	0	0
	Deep Scouted Research Strategy - Task Development	0	0
	Deep Scouted Research Strategy - Landscape Monitoring	0	0
	Deep Scouted Research Strategy - Physical Monitoring	0	0
	Deep Scouted Research Strategy - Landscape Monitoring	0	0
	Exclosures in Experimental Forest (E) riparian	0	0
	Exclosure Timber Harvest Types Evaluation Project (THEP)	0	0
	Water Type Spring (E)B Variation, Physical, (LDM Model Map)	75,000	75,000
	Run Habitat Detection using eDNA - re-scoped to pilot project	0	0
	Riparian Wetland Wetland Phase	10,773	10,773
	Literature Review - Riparian Wetland (Updated WMA)	13,439	13,439
	Riparian Characteristics and Drain Response	10,875	10,875
	Exclosure Wetland Monitoring Study Design (in FY2021 by CMER Sci)	0	0
	Exclosure Wetland Monitoring	0	0
	Road Sub-Basin Scale Effectiveness Monitoring - Example (file-scoping)	0	0
	Road Sub-Basin Scale Effectiveness Monitoring - Example (file-scoping)	0	0
	EMEP for Exclosure (E)B review	15,306	15,306
	LDM for Exclosure (E)B review	0	0
	AMR Research Expenses from 1-1-16	3,504,790	3,504,790
	Projected Available Funds for Research (See notes for Grants and Indirect)	4,138,725	4,138,725
	Balance at end of fiscal year (AMR-AMR-Report)	633,935	633,935
	REVENUE		
	IS - AMR Core Revenue (see notes for funding)	271,108	271,108
	IS - AMR Research (see notes for funding)	1,857,000	1,857,000
	IS - AMR Business and Occupation Tax (see notes)	5,677,000	5,677,000
	IS - AMR Business and Occupation Tax (see notes)	2,806,156	2,806,156
	EXPENSES		
	Total Participation Agreements	2,500,000	2,500,000
	WMA and Cover Participation Grants	307,310	307,310
	State Agencies	387,990	387,990
	FWA (AMR) (see notes for indirect participation)	94,500	94,500
	FWA (AMR) Indirect	166,610	166,610
	Indirect of Revenue	3,066,410	3,066,410
	PROGRAM TOTALS		
	Revenue	7,805,154	7,805,154
	AMR Research Expenses	3,504,790	3,504,790
	FWA Participation Agreements and Indirect	6,664,410	6,664,410
	Balance at end of each fiscal year	633,935	633,935
	Cumulative Balance at end of Biennium	1,913,174	1,913,174

Summary of Scenario 2:
 Specific to this scenario:
 1) Hard Rock CMER part in 2022, and the other in 2026.
 2) Wetlands Type F moved out three years.
 3) WMA Indirect moved to WMA Indirect for four years.
 4) Add Hard Rock Phase III Amphibian Demographic (next year option to FY22-23).
 Common to all scenarios:
 1) Wetlands in discontinuously flowing NW reaches scoped then held for 3 years.
 2) Purchase LDM and EMEP studies in FY22-23 biennium.
 3) Wetlands Intensive Monitoring moved out to 2025.
 4) Road Sub-Basin Scale Effectiveness Monitoring moved out to 2025.
 5) Wetlands Scale Assessment of Cumulative Effects moved out to 2025.

Cost by Number of CMER Science Staff

Based on point estimates from Jenelle Black, NWIFC, 06/08/20220

Budgets include COLAs and vehicle lease replacements

Red Font values match those provided by NWIFC others are extrapolated

Approaches used to extrapolate NWIFC budget values:

1.75% per year added for extrapolation in out years

Estimates do not all account for possible COLA and other costs

Linear extrapolation between NWIFC point values provided

Doubled cost of adding one staff if two are being estimated (i.e., 144,872 for one added in FY22)

Scenarios with the two vacancies

	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27
1) Add one FY22 and other FY23*	496,581	350,254	495,126	588,698	682,270	715,928	735,467	748,338
2) One filled FY22 and other FY24	496,581	350,254	495,126	521,001	682,270	715,928	735,467	748,338
3) Add one FY23 and other FY24*	496,581	350,254	356,256	519,263	682,270	715,928	735,467	748,338
4) One added FY22 and other FY26	496,581	350,254	495,126	521,001	554,355	579,844	735,467	748,338
5) One added FY24 and other FY25*	496,581	350,254	356,256	374,203	489,676	605,150	735,467	748,338
5) Both vacancies filled FY26	496,581	350,254	356,256	374,203	386,817	402,353	720,623	733,234
6) No new staff added	496,581	350,254	356,256	374,203	386,817	402,353	409,394	416,558
7) Both filled FY22	496,581	350,254	588,698	639,998	682,270	715,928	735,467	748,338

*Based on interpolation between points where staff were added in the original 3 scenarios provided by NWIFC. This should place estimates in the range of what will occur, but we should confirm once an options is selected.

SCENARIO A

COLA: 3.4% in FY20, 0% in FY21-FY22; 3.5% other

WS: FY22

RE: FY26

2nd GSA vehicle FY24-FY27

SCENARIO B

COLA: 3.4% in FY20, 0% in FY21-FY22; 3.5% other

WS: FY26

RE: FY26

2nd GSA vehicle FY26-FY27

SCENARIO C

COLA: 3.4% in FY20, 0% in FY21-FY22; 3.5% other

WS: FY22

RE: FY24

2nd GSA vehicle FY24-FY27

SUMMARY FY20-FY21

NWIFC CMER	FY20	FY21	Total
Salaries	\$255,446	\$174,242	\$429,688
Benefits	\$58,798	\$42,947	\$101,746
Travel	\$9,800	\$9,100	\$18,900
Training	\$1,200	\$2,400	\$3,600
Vehicle	\$7,200	\$8,000	\$15,200
Equipment/S	\$19,520	\$12,000	\$31,520
Direct	\$351,965	\$248,689	\$600,654
Indirect	\$144,616	\$101,565	\$246,181
Total	\$496,581	\$350,254	\$846,835

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\$255,446	\$174,242	\$429,688
\$58,798	\$42,947	\$101,746
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\$144,616	\$101,565	\$246,181
\$496,581	\$350,254	\$846,835

SUMMARY FY22-FY23

NWIFC CMER	FY22	FY23	Total
Salaries	\$250,095	\$264,688	\$514,782
Benefits	\$62,657	\$66,317	\$128,973
Travel	\$14,400	\$14,400	\$28,800
Training	\$3,600	\$3,600	\$7,200
Vehicle	\$8,000	\$8,000	\$16,000
Equipment/S	\$12,500	\$12,500	\$25,000
Direct	\$351,252	\$369,504	\$720,756
Indirect	\$143,874	\$151,497	\$295,371
Total	\$495,126	\$521,001	\$1,016,126

FY22	FY23	Total
\$176,668	\$186,821	\$363,489
\$43,566	\$46,071	\$89,637
\$9,600	\$9,600	\$19,200
\$2,400	\$2,400	\$4,800
\$8,000	\$8,000	\$16,000
\$12,500	\$12,500	\$25,000
\$252,735	\$265,392	\$518,127
\$103,521	\$108,811	\$212,332
\$356,256	\$374,203	\$730,459

FY22	FY23	Total
\$250,095	\$264,688	\$514,782
\$62,657	\$66,317	\$128,973
\$14,400	\$14,400	\$28,800
\$3,600	\$3,600	\$7,200
\$8,000	\$8,000	\$16,000
\$12,500	\$12,500	\$25,000
\$351,252	\$369,504	\$720,756
\$143,874	\$151,497	\$295,371
\$495,126	\$521,001	\$1,016,126

SUMMARY FY24-FY25

NWIFC CMER	FY24	FY25	Total
Salaries	\$277,185	\$291,612	\$568,796
Benefits	\$69,475	\$73,125	\$142,600
Travel	\$14,400	\$14,400	\$28,800
Training	\$3,600	\$3,600	\$7,200
Vehicle	\$16,000	\$16,000	\$32,000
Equipment/S	\$12,500	\$12,500	\$25,000
Direct	\$393,160	\$411,237	\$804,396
Indirect	\$161,195	\$168,607	\$329,803
Total	\$554,355	\$579,844	\$1,134,199

FY24	FY25	Total
\$193,993	\$202,818	\$396,811
\$47,845	\$50,039	\$97,884
\$9,600	\$9,600	\$19,200
\$2,400	\$2,400	\$4,800
\$8,000	\$8,000	\$16,000
\$12,500	\$12,500	\$25,000
\$274,338	\$285,357	\$559,695
\$112,479	\$116,996	\$229,475
\$386,817	\$402,353	\$789,169

FY24	FY25	Total
\$344,422	\$363,448	\$707,871
\$86,957	\$91,803	\$178,759
\$19,200	\$19,200	\$38,400
\$4,800	\$4,800	\$9,600
\$16,000	\$16,000	\$32,000
\$12,500	\$12,500	\$25,000
\$483,879	\$507,751	\$991,630
\$198,391	\$208,178	\$406,569
\$682,270	\$715,928	\$1,398,198

SUMMARY FY26-FY27

NWIFC CMER	FY26	FY27	Total
Salaries	\$374,524	\$395,099	\$769,623
Benefits	\$94,585	\$99,826	\$194,410
Travel	\$19,200	\$19,200	\$38,400
Training	\$4,800	\$4,800	\$9,600
Vehicle	\$16,000	\$16,000	\$32,000
Equipment/S	\$12,500	\$12,500	\$25,000
Direct	\$521,608	\$547,425	\$1,069,033
Indirect	\$213,859	\$224,444	\$438,303
Total	\$735,467	\$771,869	\$1,507,336

FY26	FY27	Total
\$366,168	\$386,452	\$752,620
\$92,412	\$97,577	\$189,990
\$19,200	\$19,200	\$38,400
\$4,800	\$4,800	\$9,600
\$16,000	\$16,000	\$32,000
\$12,500	\$12,500	\$25,000
\$511,080	\$536,530	\$1,047,610
\$209,543	\$219,977	\$429,520
\$720,623	\$756,507	\$1,477,130

FY26	FY27	Total
\$379,170	\$397,503	\$776,673
\$95,792	\$100,451	\$196,243
\$19,200	\$19,200	\$38,400
\$4,800	\$4,800	\$9,600
\$16,000	\$16,000	\$32,000
\$12,500	\$12,500	\$25,000
\$527,462	\$550,453	\$1,077,916
\$216,259	\$225,686	\$441,945
\$743,722	\$776,139	\$1,519,861