



**DEPARTMENT OF  
NATURAL RESOURCES**


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MEMORANDUM

May 1, 2020

TO: Forest Practices Board

FROM: Mark Hicks, Adaptive Management Program Administrator 

SUBJECT: Recommended Adjustments to the FY20-21 MPS from TFW Policy

The Timber Fish and Wildlife (TFW) Policy committee is asking for the Board's approval of recommended revisions to the attached Master Project Schedule (MPS). The revisions produce a budget which is balanced for the remainder of the biennium and in the foreseeable future.

Representatives of TFW Policy should be commended for their willingness to work together to find a consensus path forward. This was an exceptionally challenging time. During the last legislative session half the funds we normally draw from were taken away, and replaced with an increase in spending authority for the Forests and Fish Support Account (FFSA). Unfortunately, the FFSA does not receive enough revenue to satisfy this increase in spending authority. This budgeting decision affected all of the DNR Forest Practices Program rather than just the Adaptive Management Program (AMP). DNR was led to believe this was a simple funding mistake that would be corrected during this year's session. However, the legislative conference committee budget did not make the correction in spite of the significant efforts of some of our cooperators and department staff. As a consequence we have substantially less revenue this biennium than we had planned for. The DNR Forest Practices operating programs took over half of the cuts, and the AMP had to take the remaining portion.

The AMP share of the funding shortfall is \$1,911,175. Over the last month AMP staff and cooperators have been working hard to identify changes in our planned and ongoing research that would meet this target reduction by the end of this biennium.

In making these recommended changes to the MPS, TFW Policy created some general rules on what should be priorities for funding:

- Projects that are already in implementation with approved study designs should comprise of the core budget.
- Additional Clean Water Act assurance Projects
- Type Np alternative proposal implementation projects
- Deep Seated Landslides (DSL) research implementation

The MPS budget provided to the Board is our collective best effort to reduce our expenditures as needed while minimizing long-term harm to existing and planned research. This approach delays many important projects, and it remains important to correct the budget shortfall as soon as possible.

In the MPS being presented today, the spreadsheet shows which projects and costs were previously approved by the Board and how those have been changed to arrive at the necessary cost savings this biennium.

Cell J70 shows a positive cumulative balance of \$1,911,175 at the end of the biennium. This is equal to the amount that we need to avoid spending this year to meet our cut target.

1 Master Project Schedule and Budget for the Adaptive Management Program

2 Original budget approved by the Forest Practices Board - 09 May 2019 (with Amendments)

3 Modified and Recommended by Policy - 11 July 2019

4 Proposed Adjustments by Policy - 29 April 2020

Out years apply a 2% per biennium COLA to Administrative Personnel Costs

Expenditure	Origin	FY2020	Revised FY2020	FY2021	Revised FY2021	FY2022	Revised FY2022	FY2023	Revised FY2023	FY2024	Revised FY2024	FY2025	Revised FY2025	FY2026	Revised FY2026	FY2027	Revised FY2027	FY2028	Revised FY2028	FY2029	Revised FY2029
<b>Administration and Program Staff</b>																					
Program Administration (AMPA and Contract Specialist)		261,500	254,600	261,500	254,600	269,345	262,200	269,345	339,950	277,425	346,749	277,425	346,749	285,748	353,684	285,748	353,684	294,321	360,758	294,321	360,758
Administrative Assistant (supports TFW Policy & CMER)		60,000	56,100	89,000	93,300	91,670	96,300	91,670	96,300	94,420	98,226	94,420	98,226	97,253	100,191	97,253	100,191	100,170	102,194	100,170	102,194
Project Support (3.75 Project Managers)		361,700	489,700	361,700	598,300	372,551	616,200	372,551	616,200	383,728	628,524	383,728	628,524	395,239	641,094	395,239	641,094	407,097	653,916	407,097	653,916
CMER Scientists (4 at NWFC: Ecologist, Geologist, Riparian, Wetlands)		638,845	498,275	597,183	350,255	615,098	664,078	615,098	704,711	633,551	718,805	633,551	718,805	652,558	733,181	652,558	733,181	672,135	747,845	672,135	747,845
CMER Scientist Eastside (NRS 4)		128,750	94,600	128,750	167,000	132,613	177,100	132,613	177,100	136,591	180,642	136,591	180,642	140,689	184,255	140,689	184,255	144,909	187,940	144,909	187,940
Independent Scientific Peer-Review		67,500	95,874	67,500	67,500	69,525	69,525	69,525	69,525	71,611	71,611	71,611	71,611	73,759	73,759	73,759	73,759	75,972	75,972	75,972	75,972
Information Management System Updates			0		0		0		0		0		0		0		0		0		0
Information Management System Updates			0		4,000		4,000		4,000		4,000		4,000		4,000		4,000		4,000		4,000
CMER Conference (Facility, refreshments, programs)		5,000	0	0	0	10,000	0	10,000	5,000	10,000	10,000		10,000	10,000	10,000		10,000	10,000	10,000		10,000
Contingency Fund for Projects		61,849	40,000	140,000	27,235	100,000	100,000	100,000	0	100,000	100,000		0	100,000	100,000	100,000	0	100,000	100,000	100,000	0
TFW Policy Committee Facilitation (on-call contract)		30,000	0	15,000	0																
Technical Editor (on-call contract)		15,000	0																		
<b>Policy Committee Non-CMER Initiatives</b>																					
Type Np Workgroup (Collaborative Research Allowance, Direct Buy, & Enhanced Participation Grants)		200,000	117,000	0	7,400																
AMP Principals Facilitation (Center for Conservation Peacebuilding)		150,000	150,000	0	0																
<b>Research and Monitoring Projects</b>																					
Hard Rock Lithology- Type N Experimental Buffer Treatment Project - Temperature Monitoring (Report extended data)		124,175	124,175	28,884	28,884																
Hard Rock Lithology- Type N Experimental Buffer Treatment Project - Extended Amphibian (Analysis & Summary Report)		51,563	36,715	34,848	34,848		15,000														
Soft Rock Lithology -Type N Experimental Buffer Treatment Project - (1) Monitoring ends fall 2017, 2-yr post-harvest	CWA	20,000	20,000	0	0																
Soft Rock Lithology -Type N Experimental Buffer Treatment Project - Extended monitoring through 2020 (FY21)	CWA	139,000	139,000	151,000	151,000	0															
Extensive Riparian Status and Trends Monitoring -- Vegetation, Type F/N - Westside (Remote Sensing) Transferability		15,000	19,000	0	0																
Unstable Slopes Criteria - Object-based Landform Mapping	CWA	95,000	8,840	0	0		28,450		0												
Unstable Slopes Criteria - Shallow Landslide Susceptibility	CWA	0	0	10,000	0	250,000	50,000		150,000		78,960		25,000								
Unstable Slopes Criteria - Shallow Landslide Runout	CWA			10,000	0				90,000		50,000		100,000		25,000						
Unstable Slopes Criteria - Management Susceptibility Modeling	CWA								10,000		150,000		25,000		100,000		75,000		25,000		
Eastside Type N Riparian Effectiveness (ENREP)	CWA	907,968	696,376	723,434	632,481	686,719	687,717	626,609	702,035	366,695	737,632	152,267	590,730		550,511		289,904		93,550		
Westside Type F Riparian Prescription Monitoring	CWA	125,000	125,000	0	0	35,000	78,702	150,000	136,318	250,000	136,318	150,000	136,318	250,000	136,318	250,000	127,289	40,000	21,600	20,000	20,000
Road Prescription-Scale Effectiveness Monitoring	CWA	374,500	402,204	330,500	428,920	403,000	521,980		546,980		506,980		486,980		486,980		291,000		75,000		25,000
Deep Seated Research Strategy -- Mapping Objectives		75,000	0	100,000	0	100,000	100,000	25,000	60,000	25,000	25,000										
Deep Seated Research Strategy -- Pilot Classification		50,000	0	65,000	0	40,000	40,000	25,000	25,000	50,000	50,000										
Deep Seated Research Strategy -- Toolkit Development						20,000	25,000														
Deep Seated Research Strategy -- Groundwater Modeling						75,000	0	50,000	50,000	50,000	100,000		125,000		25,000						
Deep Seated Research Strategy -- Physical Modeling						0	0	75,000	75,000	50,000	50,000		50,000		100,000		175,000		175,000		25,000
Deep Seated Research Strategy -- Landslide Monitoring						0	0	25,000	25,000	25,000	25,000		25,000		25,000		25,000		25,000		25,000
Amphibians in Intermittent Streams	CWA	50,000	10,000	80,000	35,000	250,000	80,000	360,000	250,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	75,000		25,000		
Eastside Timber Harvest Types Evaluation Project (ETHEP)		0	0	0	0																
Water Typing Strategy (PHB Validation, Physicals, LiDAR Model Map)	FPB	65,850	75,000	552,456	0																
Fish/Habitat Detection using eDNA -- re-scoped to pilot project		0	0	0	0																
Riparian Literature Synthesis Project		0	0	0	0																
Wetlands Intrinsic Potential (WIP) Tool		0	10,773																		
Literature Review -- Forested Wetlands (Updated; WetSAG)		0	11,439																		
Riparian Characteristics and Shade Response		10,000	10,875	121,445	0	341,000	98,955	330,000	188,190	20,000	188,190		20,000								
Forested Wetlands Effectiveness Study	CWA	15,000	7938	150,000	0	232,500	165,000	232,500	232,500	150,000	182,500	150,000	200,000	150,000	150,000	200,000	150,000	200,000	200,000	200,000	0
Wetlands Management Zone Effectiveness Monitoring (Study Design in FY20/21 by CMER Sci)	CWA	0	0	0	0	100,000	100,000	0	0	360,000	360,000	360,000	360,000	360,000	360,000	360,000	360,000	100,000	100,000	45,000	450,000
Wetlands Intensive Monitoring	CWA													50,000	0	0	0	0	0	0	50,000
Road Sub-Basin-Scale Effectiveness Monitoring -- Resample (Re-scoping)	CWA																				75,000
Watershed Scale Assessment of Cumulative Effects (roads and riparian) -- post Effectiveness Monitoring	CWA													5,000	5,000	50,000	50,000	340,000	340,000	340,000	340,000
EMEP - for going through ISPR review.		0	11,306	0	0																
RMAP checklist survey		0	0	0	0																
<b>AMP Research Expenses (Lines 6 to 53)</b>																					
Projected Available Funds for Research (Rev. minus Partic Grants and Indirect)		4,098,200	3,504,790	4,018,200	2,880,723	4,194,021	3,980,207	3,809,911	4,503,809	3,564,021	5,084,137	2,769,593	4,552,585	2,570,246	4,473,973	2,605,246	3,658,357	2,484,603	3,297,775	2,399,603	3,142,625
Rollover funds from previous FY (1st FY to 2nd FY)		0	0	0	0	0	0	(218,414)	158,518	0	0	454,179	(945,412)	0	0	1,447,954	(335,249)	0	0	1,533,597	840,949
Balance at the end of Fiscal Year (Funds + FY Rollover - Expenses)		0	633,935	0	1,277,241	(218,414)	158,518	(10,125)	(187,328)	454,179	(945,412)	1,702,786	(1,340,034)	1,447,954	(335,249)	2,860,908	164,358	1,533,597	840,949	3,152,194	1,856,288
<b>REVENUE</b>																					
GF-S - AMP Carry Forward (i.e. base admin funding)		260,700	271,156	260,700	271,156	260,700	271,156	260,700	271,156	260,700	271,156	260,700	271,156	260,700	271,156	260,700	271,156	260,700	271,156	260,700	271,156
GF-S - AMP Research (1,870,000 +/- 40,000)		1,897,000	1,857,000	1,817,000	1,857,000	1,817,000	1,857,000	1,817,000	1,857,000	1,817,000	1,857,000	1,817,000	1,857,000	1,817,000	1,857,000	1,817,000	1,857,000	1,817,000	1,857,000	1,817,000	1,857,000
FFSA - AMP (Business and Occupation Tax surcharge)		5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000	5,677,000
Subtotal of Revenue		7,834,700	7,805,156	7,754,700	7,805,156	7,754,700	7,805,156	7,754,700	7,805,156	7,754,700	7,805,156	7,754,700	7,805,156	7,754,700	7,805,156	7,754,700	7,805,156	7,754,700	7,805,156	7,754,700	7,805,156
<b>EXPENSES</b>																					
<b>TFW Participation Agreements</b>																					
Tribal Participation Agreements		2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000
NGO and County Participation Grants		475,500	537,332	475,500	518,093	518,093	537,332	475,5													



