



**MEMORANDUM**

February 1, 2016

**TO:** Forest Practices Board

**FROM:** Hans Berge, Adaptive Management Program Administrator

A handwritten signature in blue ink, appearing to read 'Hans Berge', is placed over the name in the 'FROM' field.

**SUBJECT:** 15/17 Biennial Master Project Check-in and request

As discussed previously, the Adaptive Management Program was funded by the legislature at the requested amount (\$5.894 million, or \$2.947 million/year) for the 15/17 biennium to complete important research at CMER. Since the funding source is from the General Fund instead of Forests and Fish Support Account, any unspent funds within a fiscal year (of the \$2.947 million) cannot be carried over into the next fiscal year.

At the last Board meeting, I provided an updated report on the budget and gave you information about adjustments in the budget as a result of project needs in the first quarter. As a result, the Board approved my request (vetted through both CMER and Policy) to spend \$200,000 of unspent funds on six items to improve our research program and balance the surplus within the fiscal year. CMER and the Adaptive Management Program team have made progress on those items and expect to complete them by 30 June 2016.

Since the last meeting, I identified a larger surplus of funds with approximately \$428,500 less spent than anticipated in the current fiscal year alone (see attached). Given the need to reconcile the budget on a regular and frequent basis, I would like to request the approval from the Board to allow the flexibility to make adjustments to the budget in real-time as the need is identified, with updates provided at each Board meeting during the biennium.

In summary, I am seeking approval from the Board to direct the spending of up to 10 percent of the annual budget during the 15/17 biennium toward priorities within the Adaptive Management Program.

	A	B	C	D	E	F	G
1	<b>CMER Master Project Schedule UPDATE</b>		<b>General Fund</b>		<b>FFSA</b>		
2	<b>1-Feb-2016</b>						
3		<b>FPB Approved Budget 2016</b>	<b>Adjusted (as approved by FPB in Nov 15) 2016</b>	<b>Balance (Feb 16)</b>	<b>Fiscal Year 2017</b>	<b>17/19 Biennium</b>	
4					<b>2017</b>	<b>2018</b>	<b>2019</b>
5	<b><u>Administrative and Support Staff</u></b>						
6	CMER Science Staff	741000	600,000	141,000	741,000	741,000	741,000
7	Project Support	237,000	237,000		237,000	237,000	237,000
8	Continuing LEAN Improvements - Staffing Env Planner 3	109,500	55,000	54,500	109,500	109,500	109,500
9	Program Administration	267000	267,000		267,000	267,000	267,000
10	Report to Legislature				10,000		
11	Contingency Fund for Active Projects	100,000	100,000		100,000	100,000	100,000
12	CMER Conference (Video, facility, refreshments, programs)				20,000		20,000
13	<b><u>Policy and Facilitation for AMP</u></b>						
14	LiDAR Water Typing Project	100,000	100,000				
15	TFW Policy Committee facilitation	50,000	50,000		50,000	50,000	50,000
16	Cultural Roundtable facilitation	50000	50,000		50,000		
17	Riparian Function Literature Synthesis	30,000	25,000	5,000	50,000		
18	POLICY Off-Channel Habitat Proposal Initiation		40,000		10,000		
19	POLICY Electrofishing Literature Synthesis	40,000	0	40,000	0		
20	<b><u>Mid-Year Projects Approved by Board in November 2015</u></b>						
21	SAGE: Eastside Type F Modeling Evaluation Project		65,000				
22	WETSAG: Wetland Mapping Project		80,000				
23	CMER Scientific Literature Database		40,000				
24	CMER Technical Writer		10,000		40,000		
25	CMER Statistician		10,000		10,000		
26	<b>TWIG Road Prescription-Scale Effectiveness Monitoring--EQUIPMENT</b>		125,000				
27	<b><u>NEW Proposed Project</u></b>						
28	<b>eDNA Metabarcoding Pilot Project</b>		50000		90000	30000	
29	<b><u>Projects almost finished</u></b>						
30	Buffer Integrity - Shade effectiveness (amphibian response)	22000	22,000				
31	Type F and N Extensive Westside - Temperature (Baseline status)						
32	Eastside Type N Forest Hydrology	59000	20,000	39,000			
33	Riparian Hardwood Conversion	80000	110,000	-30,000			
34	<b><u>Projects in field implementation</u></b>						
35	Type N Experimental Buffer Treatment Project in Hard Rock Lithologies	214000	229,000	-15,000	100,000		
36	Type N Experimental Buffer Treatment Project - Hard Rock- Amphibian Genetics - Post sample	200000	200,000		200,000		
37	Type N Experimental Buffer Treatment Project - Hard Rock- Amphibian Demographics/Channel Metrics	165000	165,000		245,000		
38	Type N Experimental Buffer Treatment Project in Hard Rock Lithologies - Temp/Sediment/Vegetation/Litterfa	260000	225,000	35,000	152,000		
39	Type N Experimental Buffer Treatment Project - Soft Rock Lithologies	269000	185,000	84,000	178,000	216,000	153,000
40	<b><u>Projects in study design or conceptual stages</u></b>						
41	<b>TWIG: Eastside Type N Riparian Effectiveness - Perennial</b>	71000	71,000		100,000	250,000	360,000
42	<b>TWIG: Eastside Type N Riparian Effectiveness - Dry</b>	80000	80,000		75,000	150,000	330,000
43	<b>TWIG: Westside Type F Riparian Prescription Monitoring</b>	75000	25,000	50,000	150,000	200,000	200,000
44	<b>TWIG: Unstable Slopes Criteria Evaluation and Development</b>	150000	25,000		150,000	150,000	100,000
45	UPSAG: Glacial Deep Seated - Literature Review	75000	75,000				
46	UPSAG: Glacial Deep Seated - Placeholder funding for strategy execution				100,000	100,000	100,000
47	<b>TWIG: Forested Wetlands Effectiveness Study</b>	25000	10,000	15,000	100,000	250,000	360,000
48	WETSAG: Wetland/Stream Water Temp Interactions (Sub question)				50,000	50,000	50,000
49	WETSAG: Wetland Hydrologic Connectivity (Add On)	10000	0	10,000	50,000	50,000	50,000
50	<b>TWIG: Road Prescription-Scale Effectiveness Monitoring</b>	25000	25,000		25,000	100,000	250,000
51	LWAG: Amphibians in Intermittent Streams						40,000
52	LWAG: Van Dykes Salamander Project	56000	56,000		47,000		237,000
53	RSAG: Extensive Alternative (Remote Sensing Approach)	150000	150,000		150,000	100,000	
54	Actual Expenditures	3710500	3,577,000		3,656,500	3,150,500	3,754,500
55	<b>Available Funds that need to be spent by 30 June 2016</b>	141,950	275,450	428,500			