	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	**Master Project Schedule and Budget for the Adaptive Management Program**		Green Box discussion items																
2	Approved by the FPB 9 May 2018; Proposed starting point for 19/21 BN Discussion 23 May 2018		Extended monitoring for projects that have been completed																
3																			
4		**FY2018**	**FY2019**	**FY2020**	**FY2021**	**FY2022**	**FY2023**	**FY2024**	**FY2025**	**FY2026**	**FY2027**	**FY2028**	**FY2029**	**FY2030**	**FY2031**	**FY 2032**	**FY2033**	**FY2034**	**FY2035**
5																			
6	**Administration and Program Staff**																		
7	Program Administration (AMPA and Contract Specialist)	*267,000*	*267,000*	275,010	275,010	283,260	283,260	291,758	291,758	300,511	300,511	309,526	309,526	318,812	318,812	328,376	328,376	338,228	338,228
8	Project Support (Project Managers)	*346,500*	*346,500*	356,895	356,895	367,602	367,602	378,630	378,630	389,989	389,989	401,688	401,688	413,739	413,739	426,151	426,151	438,936	438,936
9	CMER Scientists (3 Scientists at NWIFC; 2 unfilled vacancies)	*566,533*	*547,625*	564,054	564,054	580,975	580,975	598,405	598,405	616,357	616,357	634,847	634,847	653,893	653,893	673,510	673,510	693,715	693,715
10	CMER Science Staff located Eastside (starting date of December 2018)	*0*	*70,000*	139,050	139,050	143,222	143,222	147,518	147,518	151,944	151,944	156,502	156,502	161,197	161,197	166,033	166,033	171,014	171,014
11	Independent Scientific Peer-Review	*75,000*	*60,000*	70,000	70,000	72,100	72,100	74,263	74,263	76,491	76,491	78,786	78,786	81,149	81,149	83,584	83,584	86,091	86,091
12	TFW Policy Committee facilitation	*75,000*	*75,000*	75,000	75,000	77,250	77,250	79,568	79,568	81,955	81,955	84,413	84,413	86,946	86,946	89,554	89,554	92,241	92,241
13	TFW Policy/Board Technical Work	*125,000*	*0*	0															
14	CMER Conference (Facility, refreshments, programs)	*10,000*	*0*	10,000		10,000		10,000		10,000		10,000		10,000					
15	Contingency Fund for Active Projects	*0*	*8,000*	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000					
16	Statistician (on-call contract)	*0*	*0*																
17	Technical Editor (on-call contract)	*10,000*	*15,000*		15,000	15,000		15,000	15,000		15,000	15,000		15,000					
18	**Board Directed Projects (A)**																		
19	LiDAR Based Water Typing Model/Physicals Study Design (combined)	*60,000*	*116,202*																
20	Potential Habitat Break Validation/Evaluation Study (Pilot and 1st Year of Sampling)	*0*	*726,489*	852,172	665,872	494,580	93,424												
21	WFFA Template PI Technical Assessment	*52,000*	*12,000*																
22	Facilitator for AMP improvement (Principal's meeting)	*100,000*	*50,000*																
23	**Active Research Projects (B)**																		
24	Riparian Literature Synthesis Project	*20,000*	*0*																
25	WetSAG_Wetlands Mapping Tool Validation	*25,000*	*75,000*																
26	RSAG_Extensive Riparian Status and Trends Monitoring- Vegetation, Type F/N- Westside (Remote Sensing)	*25,000*	*10,000*	50,000															
27	**CWA_LWAG_Type N Experimental Buffer Treatment in Hard Rock Lithologies--Genetics (Response to ISPR Comments)**	*10,000*	*0*																
28	**CWA_Type N Experimental Buffer Treatment Project - Soft Rock Lithologies 1) Monitoring ends in fall 2017, 2-yr post-harvest**	*221,000*	*100,000*																
29	**Add-ons to Existing Projects (C)**																		
30	**CWA_LWAG_Type N Experimental Buffer Treatment in Hard Rock Lithologies--Extended (Analysis & Summary Report)**	*134,000*	*236,000*																
31	**CWA_Type N Experimental Buffer Treatment Project in Hard Rock Lithologies -1) Monitoring ends June 2017, Report extended data**	*100,000*	*136,655*																
32	**CWA_Type N Experimental Buffer Treatment Project in Hard Rock Lithologies - 2) Monitor into 2019 until references lost**	*87,000*	*0*																
33	**Projects in Study Design and Moving to Implementation (D)**																		
34	**CWA_TWIG_Eastside Type N Riparian Effectiveness (ENREP)**	*297,680*	*793,886*	648,811	667,394	686,719	626,609	366,695	152,267										
35	TWIG_Westside Type F Riparian Prescription Monitoring	*0*	*147,100*	131,750	0	5,000	5,000	100,000	360,000	360,000	250,000	40,000							
36	**CWA_TWIG_Road Prescription-Scale Effectiveness Monitoring**	*277,267*	*538,752*	374,500	330,500	403,000	400,500	406,000	291,000	212,000									
37	**CWA_TWIG_Unstable Slopes Criteria Evaluation and Development**	*25,000*	*50,000*	132,000	0	250,000	240,000												
38	**CWA_TWIG_Forested Wetlands Effectiveness Study**	*100,000*	*75,000*	200,000	300,000	150,000	150,000	150,000	200,000	200,000	200,000	40,000							
39	UPSAG_ Deep Seated Research Strategy	*10,000*	*0*	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000					
40	**Projects starting study design or Scoping (E)**																		
41	**CWA_UPSAG_Mass Wasting Landscape-Scale Effectiveness -** Proof of concept	*0*	*25,000*																
42	ISAG_Literature Synthesis: Default Physical Criteria Assessment Project	*0*	*0*																
43	ISAG_Fish/Habitat Detection Using eDNA Project (rescoped to pilot project)	*40,000*	*20,000*																
44	**Projects scoped, through CMER &/or ISPR and ready for implementation (F)**																		
45	**CWA_UPSAG_Road Sub-Basin-Scale Effectiveness Monitoring - Resample**			0	0	0	0	0	75,000	350,000	350,000	150,000	75,000	0					
46	**CWA_LWAG_Amphibians in Intermittent Streams**			50,000	80,000	250,000	360,000	360,000	360,000	0	0	0	0	0					
47	**Projects needing study design and/or scoping (G)**																		
48	RSAG_Riparian Characteristics and Shade Study	*0*	*3,000*	3,000	3,000	99,250	94,250	48,000											
49	**CWA_WetSAG_Wetlands Management Zone Effectiveness Monitoring**	*0*	*0*		50,000	100,000		360,000	360,000	360,000	360,000								
50	LWAG_Van Dykes Salamander Project			262,756	360,000	360,000	360,000	315,538	0	0	0	0	0	0					
51	CWA_WetSAG_Wetlands Intensive Monitoring			0	0	0	0	0	0	50,000	50,000	50,000	0	0					
52	SAGE_Eastside Timber Harvest Types Evaluation Project (ETHEP)			20,000	20,000	0	0	0	0	0	0	0	0	0					
53	RSAG_Extensive Riparian Status and Trends Monitoring--PHASE 3 (Implementation)			0	0	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000					
54	**CWA_RSAG_Watershed Scale Assessment of Cumulative Effects (roads and riparian)--Implementation timed post effectiveness monitoring**			0	2,000	5,000	50,000	340,000	340,000	340,000	340,000	340,000	340,000	340,000					
55	**Projects to be reevaluated for inclusion (H)**																		
56	Windthrow Data Synthesis			20,000	0	0	0	0	0	0	0	0	0	0					
57	ISAG_Literature Synthesis: Recoverable/Restorable Fish Habitat Project			100,000	0	0	0	0	0	0	0	0	0	0					
58	LWAG_Eastside Amphibian Evaluation			0	70,000	45,000	0	0	0	0	0	0	0	0					
59	**Extended Monitoring for Projects (I)**																		
60	Add On_LWAG_Type N Experimental Buffer Treatment Project in Hard Rock Lithologies--Extended Monitoring: AMPHIBIANS - 2 years			3,200	3,200	130,000	412,000	349,000	82,000										
61	Add On_Type N Experimental Buffer Treatment Project in Hard Rock Lithologies--Extended Monitoring TEMPERATURE into 2019 until references lost			100,000	50,000														
62	Add on_Type N Experimental Buffer Treatment Project in Hard Rock Lithologies--Extended Monitoring into 2024 for TEMPERATURE ONLY/ Soft Rock references (Recommended removal by Bill; Bill will come back to confirm)			0	0	0	0	0	0										
63	Add on_Type N Experimental Buffer Treatment Project - Soft Rock Lithologies--Extended monitoring through 2020, FY2021			50,000	125,000	40,000													
64	Add on_Type N Experimental Buffer Treatment Project - Soft Rock Lithologies--Extended monitoring through 2024, FY2025			0	0	100,000	150,000	150,000	100,000	50,000									
65	**AMP Research Expenses**	*3,058,980*	*4,504,209*	*4,788,198*	*4,521,975*	*5,217,958*	*5,016,192*	*5,090,374*	*4,455,408*	*4,099,246*	*3,732,246*	*2,860,763*	*2,630,763*	*2,630,736*	*1,715,736*	*1,767,208*	*1,767,208*	*1,820,224*	*1,820,224*
66	**Projected Available Funds for Research**	*3,781,600*	*3,781,600*	*3,781,600*	*3,781,600*	*3,781,600*	*3,781,600*	*4,338,600*	*4,338,600*	*4,338,600*	*4,338,600*	*4,338,600*	*4,338,600*	*4,338,600*	*4,338,600*	*4,338,600*	*4,338,600*	*4,338,600*	*4,338,600*
67	***Difference***	*722,620*	*(722,609)*	*(1,006,598)*	*(740,375)*	*(1,436,358)*	*(1,234,592)*	*(751,774)*	*(116,808)*	*239,354*	*606,354*	*1,477,837*	*1,707,837*	*1,707,864*	*2,622,864*	*2,571,392*	*2,571,392*	*2,518,376*	*2,518,376*
68																			
69	**REVENUE**																		
70	GF-S - AMP Carry Forward	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*	*240,100*
71	Fund Shift #1 - $557,000 per FY	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*	*557,000*
72	Fund Shift #2- $750,000 for 17/19 BN	*750,000*	*750,000*																
73	GF-S - AMP Research	*1,640,000*	*1,640,000*	*2,390,000*	*2,390,000*	*2,390,000*	*2,390,000*	*2,947,000*	*2,947,000*	*2,947,000*	*2,947,000*	*2,947,000*	*2,947,000*	*2,947,000*	*2,947,000*	*2,947,000*	*2,947,000*	*2,947,000*	*2,947,000*
74	FFSA - AMP (Business and Occupation Tax surcharge)	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*	*4,000,000*
75	***Subtotal of Revenue***	*7,187,100*	*7,187,100*	*7,187,100*	*7,187,100*	*7,187,100*	*7,187,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*
76	**EXPENSES**																		
77	***TFW Participation Agreements***																		
78	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*
79	NGO and County Participation Grants	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*	*475,500*
80	State Agencies	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*	*430,000*
81	***Subtotal of TFW Participation Agreements***	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*
82	**PROGRAM TOTALS**																		
83	Revenue (referenced by line 66)	*7,187,100*	*7,187,100*	*7,187,100*	*7,187,100*	*7,187,100*	*7,187,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*	*7,744,100*
84	AMP Research Expenses (referenced by line 56)	*3,058,980*	*4,504,209*	*4,788,198*	*4,521,975*	*5,217,958*	*5,016,192*	*5,090,374*	*4,455,408*	*4,099,246*	*3,732,246*	*2,860,763*	*2,630,763*	*2,630,736*	*1,715,736*	*1,767,208*	*1,767,208*	*1,820,224*	*1,820,224*
85	TFW Participation Agreements (referenced by line 62)	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*	*3,405,500*
86	***Balance at the end of each fiscal year***	*722,620*	*(722,609)*	*(1,006,598)*	*(740,375)*	*(1,436,358)*	*(1,234,592)*	*(751,774)*	*(116,808)*	*239,354*	*606,354*	*1,477,837*	*1,707,837*	*1,707,864*	*2,622,864*	*2,571,392*	*2,571,392*	*2,518,376*	*2,518,376*
87	Cumulative Balance at end of Biennium		*11*		*(1,746,973)*		*(2,670,950)*		*(868,583)*		*845,709*		*3,185,674*		*4,330,728*		*5,142,784*		*5,036,752*
88	***Assuming GF-S is restored to $2.947M per FY from 2024 on**																		
89	***Fiscal years beyond 2023 do not include funding a fund shift (no more money) or B&O tax ($8M per biennium)**																		
90	**FFSA Fund Balance**		1,720,000		606,000		(508,000)												