

	2013-14 Actual Variable	2013-14 Actual Salary	Total 2013-14 Actual	2014-15 Forecast Variable	2014-15 Forecast Salary	Total 2014-15 Forecast
AIMS Research						
PROGRAM 0: DATA AND TECHNOLOGY INNOVATIONS	1,116,355	2,049,203	3,165,558	1,314,116	2,250,149	3,564,265
Team 0.1: Coastal and ocean observing (including IMOS)	978,230	1,297,510	2,275,740	1,101,317	1,213,921	2,315,237
0842 - AIMS Automatic Weather Stations	64,006	33,777	97,783	50,851	27,109	77,960
2101 - 9 - FAIMMS : Facility for Automated Int	65,189	0	65,189			0
2119 - 6a - Australian National Mooring Network	152,023	0	152,023			0
2122 - 2b - Underway Chl : Enhanced Measurement	11,360	4,463	15,824	4,911	0	4,911
2166 - 11c Satellite Remote Sensing (GBROOS)	11,118	11,394	22,512			0
2207 - 6a - Reference Yongala - Qld Moorings	0	0	0			0
2208 - 6a - Reference - DRW - Qld Moorings	37,983	26,639	64,622	33,598	0	33,598
2259 - Extend IMOS ANMN Carbon and Acidification Subfacility -	0	6,534	6,534	0	7,183	7,183
2260 - 6a Qld and Northern Australian Installation of WA-IMOS	56,723	59,185	115,908			0
2273 - Satellite Tracked Drifters	5,489	13,864	19,353	11,287	26,956	38,243
2391 - WA-IMOS Kimberley	138,027	216,713	354,740	128,289	130,559	258,848
2392 - WA-IMOS Pilbara	76,894	171,048	247,942	0	0	0
2435 - ARC Linkage Next generation satellite tools for understandin			0	0	17,949	17,949
2438 - Co-invest with Darwin Port Corporation to extend the IMOS ne	12,103	34,878	46,980	88,140	165,224	253,365
2439 - Functioning of the Argos system	2,000	1,540	3,540			0
2442 - Consortium agreement for the Australian Space Research	2,000	17,109	19,109			0
2498 - eReefs: IMOS/CSIRO Palm Passage Mooring	23,308	33,271	56,579	33,693	20,676	54,369
2519 - 6a - Australian National Mooring Network - Qld	40,426	181,640	222,066	218,474	260,400	478,874
2520 - Yongala NRS	38,610	38,519	77,129	109,636	44,348	153,984
2521 - Darwin NRS	0	29,561	29,561	105,784	44,466	150,250
2522 - Indonesian Through Flow (ITF) Mooring	19,802	0	19,802	152,751	96,236	248,987
2523 - Ningaloo NRS	26,987	27,121	54,108			0
2524 - 2b - Underway Chl : Enhanced Measurement	0	36,985	36,985	16,729	42,569	59,298
2525 - 11c Satellite Remote Sensing (GBROOS)	5,789	23,718	29,507	16,082	23,784	39,866
2526 - 09 FAIMMS	88,208	297,358	385,566	62,494	270,399	332,893
2549 - Tropical Atmospheric Propagation Study 2013	14,296	10,432	24,728			0
2558 - Indonesian Throughflow Mooring Service	85,889	21,761	107,650			0
2584 - Review of semi-autonomous and autonomous methods for benthic			0	38,461	0	38,461
2612 - Real-time oceanographic mooring development			0	500	4,479	4,979
2618 - 11c Satellite Remote Sensing (GBROOS)			0	20,000	0	20,000
2628 - Maintenance Dredging Water Quality Monitoring Program			0	9,637	31,583	41,220
Team 0.2: eScience initiatives (including the AIMS Data Centre)	21,753	280,485	302,238	36,773	391,465	428,238
2363 - 13.1 e-atlas	17,316	265,650	282,966	22,273	164,063	186,336
2474 - Gladstone Healthy Harbour Partnership	4,437	0	4,437			0
2595 - Port Curtis Integrated Monitoring Program	0	14,835	14,835	2,000	10,213	12,213
2625 - Sponge cover and crinoid abundance as proxies for declining			0	0	41,759	41,759
2633 - Establishing a Date and Information Management System for			0	12,500	175,429	187,929
Team 0.3: Analytical and measurement Science (including lab management)	60,478	183,385	243,863	40,606	177,030	217,636

1042 - AIMS Bioresources Library and Synthesis	60,478	183,385	243,863	28,606	109,612	138,218
2613 - Environmental metabolomics: from molecular interactions			0	12,000	67,418	79,418
Team 0.4: Research using experimental seawater facilities	4,156	-1,032	3,124	15,000	34,420	49,420
2118 - Enabling technologies for hatcheries	2,654	-803	1,851			0
2364 - Coral propagation and captive breeding	1,502	-115	1,387			0
2376 - Microbial management	0	-115	-115			0
2614 - Coral nutrition - supporting science for SeaSim			0	15,000	34,420	49,420
Team 0.5: Technology Development			0	59,667	183,379	243,047
2406 - Long-term monitoring of deep seagrasses in the GBR lagoon			0	4,667	94,095	98,762
2615 - ARC Centre of Excellence for Coral Reef Studies 2			0	0	0	0
2616 - Next generation of towed observing platforms			0	50,000	71,335	121,335
2617 - Minibat development and deployment			0	5,000	17,949	22,949
PROGRAM 1: A HEALTHY AND RESILIENT GREAT BARRIER REEF	2,329,043	5,759,773	8,088,817	2,239,780	4,954,742	7,194,522
Team 1.1: Science supporting management & policy decisions	605,793	1,361,271	1,967,063	598,484	1,057,163	1,655,646
2070 - Analysis and synthesis of long-term GBR data	0	420,953	420,953			0
2105 - Refining estimates of coral reef biodiversity	6,322	163,554	169,876	5,587	72,801	78,388
2369 - E 9.1 Dynamic Vulnerability Maps and Decision Support Tools	46,553	58,202	104,755	37,472	38,657	76,129
2395 - Structured Decision Analysis (SDA) for Effective Coral Reef	22,701	120,246	142,946	7,299	142,730	150,029
2415 - Intergovernmental Panel on Climate Change (IPCC) Author	5,004	10,675	15,679			0
2424 - Tropical Ecosystems Hub Science Leader	28,339	130,023	158,362	39,938	128,591	168,529
2430 - Intervention options for COTS outbreaks	5,000	0	5,000			0
2436 - NERP Research Informing Policy	8,295	0	8,295	25,090	0	25,090
2454 - Operational framework for assessing the vulnerability of the	4,483	0	4,483			0
2496 - COTS single injection methodology	15,318	18,203	33,521			0
2500 - GOOS Biology Ecosystems and Biochemistry	52,728	0	52,728	0	0	0
2534 - COTS Secretome	134,281	37,920	172,202	182,257	59,447	241,704
2535 - COTS Population size estimation	41,483	90,662	132,145	108,517	60,037	168,554
2543 - Develop genetic methods to determine spatial and temporal	6,521	47,821	54,342	18,479	67,400	85,880
2544 - COTS Larval Biology	12,054	53,599	65,653	15,946	86,019	101,965
2545 - Genome Pathway to Control/Eradication Technology:	34,610	169,568	204,178	0	107,696	107,696
2557 - Mathematical and Statistical Frontiers of			0	30,000	20,366	50,366
2572 - Solving the COTS problem on the GBR: in	182,095	24,382	206,477	67,905	0	67,905
2594 - Integrated Monitoring Case Study and Scenario-based Modelling	7	15,462	15,469	49,993	92,141	142,134
2602 - Value of information in adaptive management and			0	5,000	130,489	135,489
2603 - Complex systems modelling to support integrated land and			0	5,000	30,247	35,247
2626 - Environmental Infomatics			0	0	20,542	20,542
Team 1.2: Ecosystem monitoring & diagnostics	781,959	1,272,339	2,054,297	747,061	851,664	1,598,725
2295 - Tracking Fish Movements in Cape Ferguson	35,950	7,748	43,698	43,782	0	43,782
2297 - Monitoring status and trends of coral reefs of the GBR & the	193,946	306,237	500,184	136,000	157,581	293,581
2335 - Changing ocean temperatures and movements	16,227	126,425	142,652	54,146	137,774	191,920
2355 - Real time observing stations equipment	-626	0	-626	72,104	0	72,104
2360 - Torres Strait Loggers	18,905	93,474	112,379	25,000	29,978	54,978

2361 - Torres Strait Real time observing stations	25,176	37,374	62,550	56,146	45,418	101,565
2362 - Torres Strait Monitoring	94,731	36,386	131,117	13,118	8,707	21,825
2365 - 5.1 Understanding Diversity of the GBR: Spatial and Temporal	5,771	125,079	130,850			0
2380 - Collation and analysis of existing data sets to test predict	17,410	137,888	155,298	0	59,074	59,074
2381 - Shelf and Canyon Ecosystems - functions and processes	1,885	133,115	135,000	6,500	10,359	16,859
2382 - National Maps of Connectivity and Biodiversity	19,095	131,018	150,113	5,000	66,350	71,350
2399 - Maximising the benefits of mobile predators to GBR ecosystem	148,541	20,693	169,234	89,839	12,046	101,885
2402 - Marine Biodiversity Hub Leadership Ecology	27,831	34,190	62,020	65,975	20,717	86,692
2406 - Long-term monitoring of deep seagrasses in the GBR lagoon	3,643	0	3,643			0
2407 - Development of ARMS			0	0	0	0
2513 - Alternatives to diver-based assessment of benthic biodiversi	28,473	82,711	111,184	10,000	107,085	117,085
2546 - Disturbance effects on coral reef communities: understanding			0	37,450	124,233	161,683
2580 - Purchase non capital equipment (loggers, transponders, tags)	44,953	0	44,953			0
2585 - Adaptive Monitoring	100,048	0	100,048			0
2591 - Species discovery and evolution of deep-sea squat lobsters			0	10,000	0	10,000
2604 - How many sharks can a reef support?			0	100,000	0	100,000
2605 - Understanding the drivers of coral-macroalgal phase shifts			0	15,000	51,182	66,182
2606 - Estimating fish lengths to increase usefulness of LTMP surv			0	7,000	21,163	28,163
Team 1.3: Understanding drivers of vulnerability & resilience under climate an	454,428	1,427,509	1,881,937	334,128	1,341,255	1,675,384
2131 - Coral climatology of Northern Australia	39,667	316,294	355,961	32,435	408,416	440,851
2137 - Coral bleaching, stress, adaptation & use in resilience mode	1,611	0	1,611	0	0	0
2241 - Disease management for the larviculture of spiny rock lobster	0	0	0	986	0	986
2303 - CO2 vents on coral reefs	17,211	92,502	109,713	49,908	151,793	201,700
2304 - Coral environmental recorders	22,878	112,052	134,930			0
2305 - Physico-chemical environment - Rebecca Albright	19,640	63,474	83,114			0
2306 - Consequences for coral communities - Super Science Fellow	7,564	41,526	49,090	18,892	72,489	91,381
2352 - Integrated approached to understand coral health in a	83,755	436,651	520,406	39,222	389,034	428,256
2356 - Environmental drivers of fish performance	16,441	119,293	135,733	7,888	60,432	68,320
2374 - Invertebrate reproduction and recruitment in a changing	31,711	75,990	107,700	9,733	65,109	74,842
2400 - NERP 6.3 - Critical seabird foraging locations and trophic	0	7,702	7,702	0	0	0
2423 - Interactive effects of climate change and fisheries capture	11,373	0	11,373	14,037	0	14,037
2435 - ARC Linkage Next generation satellite tools for understandin	0	30,674	30,674			0
2462 - Project Support - DNA analysis of coral	308	0	308	24	0	24
2464 - Biological Impacts of Ocean Acidification Phase II	75,772	41,425	117,196	0	16,904	16,904
2514 - Carbon dioxide seeps: A collaborative field study	116,995	89,928	206,923	133,005	97,842	230,847
2547 - Changes in biodiversity in response to ocean acidification:	9,503	0	9,503	5,497	0	5,497
2589 - ANU radio-carbon and 11Boron analyses for PNG seeps samples			0	0	25,309	25,309
2607 - Genetic markers of coral adaptation to climate change			0	22,500	53,929	76,429
Team 1.4: Molecular and microbial building blocks of reef health and adaptatic	352,414	1,453,085	1,805,499	451,489	1,411,905	1,863,393
2011 - The role of algal endosymbionts in accli	855	0	855			0
2093 - Molecular Ecology of Irukanji	12,398	0	12,398	2,291	0	2,291
2145 - Coral disease on the GBR	18	0	18	1,318	0	1,318
2147 - Drivers of marine diseases	30,353	225,255	255,609	30,179	271,656	301,834
2233 - Inter-Kingdom signalling orchestrates	0	0	0			0
2250 - Purchasing Task for Team 1.4	-2,683	0	-2,683	2,683	0	2,683

2272 - Jean-Baptiste Raina - AIMS@JCU Project Support	7,877	0	7,877	4,215	0	4,215
2314 - Marine Proteomics	-230	94,569	94,339	5,697	0	5,697
2315 - Box Jellyfish toxins: Investigating novel protein structure	7,649	10,035	17,684			0
2320 - Seascape Genetics	599	0	599	1,064	0	1,064
2339 - Coral Metabolomics			0	215	0	215
2342 - Coral associated viruses: pathogens, mutualists and agents	43,495	340,309	383,804	131,118	357,815	488,934
2351 - Chemical warfare at small scales: does eukaryotic ecological	258	0	258			0
2375 - The response of model coral reef invertebrates (holobionts)	76,675	134,483	211,157	23,157	108,062	131,220
2378 - Coral reefs and their associated viruses: impact of infectio	16,471	117,580	134,052	7,842	25,192	33,034
2379 - Coral holobiont cellular microbes (bacteria): community	24,606	105,345	129,952	15,838	62,881	78,719
2411 - Black band disease processes on coral reefs	36,873	140,563	177,436	5,000	54,367	59,367
2425 - Understanding white syndrome coral disease	0	0	0	100	0	100
2452 - Revealing the structure, evolution and sensitivity of	26,127	231,586	257,713	106,711	233,786	340,497
2491 - Advancing knowledge of microbial symbioses underpinning	0	15,914	15,914	0	17,029	17,029
2492 - Viruses and coral diseases	7,853	0	7,853			0
2505 - Restoration genetics	9,393	37,447	46,839	35,247	149,098	184,345
2551 - Sponge Conference 2013			0	12,639	0	12,639
2579 - Microbial ecology and viral pathogens of COTS	53,826	0	53,826	6,174	0	6,174
2608 - Evolution in simulated 21st century reef systems			0	60,000	78,795	138,795
2621 - ARC Centre of Excellence for Coral Reef Studies 1			0	0	53,223	53,223
PROGRAM 2: SUSTAINABLE COASTAL ECOSYSTEM & INDUSTRIES IN TROPICAL OCEAN	1,543,529	3,622,775	5,166,304	1,099,641	3,845,478	4,945,118
Team 2.1: Water quality of the Great Barrier Reef	169,603	741,017	910,620	125,333	450,326	575,659
2248 - Improved tools for satellite-based monitoring of water	0	7,973	7,973	0	8,975	8,975
2345 - Reef Plan Marine Monitoring Program - Coral Monitoring	39,648	0	39,648			0
2346 - Water Quality Monitoring - Reef Plan MMP	22,579	0	22,579			0
2366 - E 4.1 Tracking coastal turbidity over time and the effects	2,057	53,297	55,355	1,566	25,989	27,556
2516 - GHHP Science Panel Meetings	0	30,024	30,024	0	32,378	32,378
2554 - Reef 2050 Plan Marine Monitoring Program	88,495	622,838	711,333	98,590	294,881	393,471
2574 - Dredging workshop	16,823	0	16,823	13,177	12,162	25,339
2596 - Development of Wet Tropics Water Quality Improvement Plan	0	26,885	26,885			0
2609 - The role of organic nutrients in the GBR			0	12,000	75,941	87,941
Team 2.2: Multiple pressures on coastal ecosystems	416,542	392,116	808,658	272,190	400,071	672,261
2367 - E 4.2 The chronic effects of pesticides and their persistence	107,061	103,746	210,807	134,782	63,426	198,207
2368 - E 5.2 Experimental and field investigations of combined	123,169	150,636	273,805	57,081	97,411	154,491
2377 - A Changing Climate on the Great Barrier Reef: Present and	28,723	120,249	148,972	11,625	132,424	144,049
2394 - Pesticide dynamics in the GBR catchment and lagoon:	44,089	0	44,089			0
2555 - Attributes: Seagrass Connectivity, Community Composition and	462	17,485	17,947	3,038	0	3,038
2573 - Development of a standard coral (and sp)	113,038	0	113,038	38,962	98,888	137,850
2610 - A review of the effects of endocrine disrupting chemicals			0	5,000	0	5,000
2623 - Amicarbazone Toxicity Testing			0	8,066	7,923	15,989
2630 - Place marked for FAF 989 - Mangroves Darwin			0	13,636	0	13,636
Team 2.3: Environmental impacts of coastal development	375,990	711,047	1,087,037	360,909	471,558	832,467
2235 - Ext of Hydrodynamic & Water Quality Mode	10,263	6,199	16,463			0

2255 - Monitoring of Bio-available metal concentrates in	41,257	11,507	52,764	49,196	11,654	60,850
2256 - Analysis of Vibrios in waters of South West Gulf of	17,810	6,248	24,057			0
2329 - Water quality monitoring in Darwin Harbour	5,000	0	5,000			0
2357 - Seawater return modelling and validation - RTA Yarwun	9,687	5,560	15,246			0
2359 - 3.4 NH Hydrodynamics of the South and East Alligator Estua	41,857	84,968	126,825	25,317	30,025	55,342
2372 - Sediment distribution and transport in estuaries and	6,444	30,605	37,049	17,239	7,688	24,928
2386 - Natural changes in estuarine environments and the potential	32,800	90,938	123,738			0
2431 - Developing and applying ecotoxicology methods for	18,476	105,083	123,559	69,717	126,219	195,936
2440 - Catchment Surface Water Flow and Transport Modelling,	10,691	0	10,691			0
2446 - Development of gene expression based toxicity testing	11,850	0	11,850	8,150	0	8,150
2449 - Modelling of Aluminium in Port Curtis	2,500	4,591	7,091			0
2459 - Determine the effect of toxicity testing on marine species	6,681	18,743	25,424	19,386	0	19,386
2463 - Technical Advisory Group (TAG)	0	4,339	4,339	0	2,833	2,833
2493 - Monitoring the Concentrations for Bioavailable Metals in	20,045	0	20,045			0
2502 - Effects of coal dust on tropical marine organisms	15,306	16,428	31,734	13,694	42,833	56,527
2503 - Microbial & molecular indicators for pollution monitoring	2,727	168,091	170,818	41,273	182,992	224,265
2508 - Bing Bong Dredge Discharge Study	8,190	11,417	19,607			0
2509 - Dredging of Charles Point Patches Shipping Lane	9,256	9,562	18,818			0
2510 - Research Plan For Nutrient Assimilative Capacity Of Darwin	2,727	15,165	17,892			0
2532 - Hydrodynamic and Wave modelling for proposed Defense Barge	1,750	7,817	9,567			0
2533 - Investigation of low DO in discharge from RMD	27,794	3,749	31,543			0
2536 - CDU Dye Study	516	1,084	1,600	3,484	0	3,484
2548 - Characterisation of aluminium species in seawater and	14,107	61,806	75,913	33,893	41,720	75,613
2550 - Options Study on the monitoring of timed discharge at the	45,823	25,539	71,362	18,472	0	18,472
2552 - NT East Arm Waterfront Development Modelling	352	9,115	9,467	5,799	0	5,799
2553 - Hypolithic cyanobacteria diversity and activity: a model	0	4,998	4,998	0	1,295	1,295
2593 - Analysis of pathogens in Melville Bay Sediment	12,081	7,497	19,578	13,084	0	13,084
2597 - Bioaccumulation of mercury in barramundi in NT aquatic syste			0	6,405	12,064	18,469
2600 - Assessing whether low dissolved oxygen in discharge has shif			0	33,300	9,491	42,791
2622 - Tidal Current Survey - Marine Supply Base Darwin Harbour			0	2,500	2,744	5,244
Team 2.4: Shelf system dynamics and modelling	426,579	962,318	1,388,897	191,722	961,640	1,153,362
2126 - Exchanges across the shelf-ocean boundary	44,081	297,612	341,693	26,685	318,366	345,051
2279 - Kimberley coastal-shelf interactions	1,837	0	1,837			0
2390 - Coupled physical and biogeochemical dynamics on the Australi	0	15,500	15,500	0	10,218	10,218
2418 - Coupled bio-physical modelling of the GBR shelf ecosystem	24,016	185,267	209,284	18,187	104,017	122,204
2447 - Coastal carbon: regional and global synthesis	4,633	118,127	122,760	0	129,517	129,517
2461 - CSIRO Flagship Coastal Carbon Clusters	49,366	48,155	97,521	3,325	49,017	52,342
2471 - Consumable funds for honours student Genevieve	104	0	104			0
2499 - Marine Virtual Lab	0	26,917	26,917	6,000	0	6,000
2504 - Improving hydrodynamic, sediment & water quality transport	6,000	53,559	59,559	4,000	45,676	49,676
2506 - Increasing the available carbonate chemistry data for the	220,993	138,371	359,364	22,273	38,174	60,447
2507 - Developing a Carbon Budget for the Great Barrier Reef	75,548	78,810	154,358	96,452	62,126	158,579
2571 - Development and demonstration of stat			0	4,800	0	4,800
2611 - Upwelling and shelfbreak processes: the role of local			0	10,000	204,528	214,528

PROGRAM 3: SUSTAINABLE USE OF NW MARINE ECOSYSTEMS	2,183,799	3,046,579	5,230,378	5,373,011	3,321,790	8,694,802
Team 3.1: Benthic ecology and baseline assessments	672,443	785,021	1,457,464	1,570,103	1,139,600	2,709,703
2198 - Geo Sciences Australia Field Trips	3,250	0	3,250			0
2232 - Ningaloo Reef E-Atlas	3,904	0	3,904			0
2280 - Effects of climate change on bioerosion	2,175	74,685	76,860	0	37,049	37,049
2281 - Monitoring bioerosion & obtaining baseline data for WA	1,626	0	1,626	-1,626	0	-1,626
2383 - 21-day RV Solander Survey	16,492	203,352	219,844	44,000	51,115	95,115
2384 - Scott Reef Book	2,731	0	2,731	5,647	0	5,647
2404 - Long-term monitoring of deep communities in Scott Reef	1,750	39,532	41,283	10,250	0	10,250
2432 - Scott Reef Research Program 2012	5,531	28,173	33,704			0
2450 - Conoco Phillips Seringapatam Reef Baseline Surveys 2012-13	1,608	0	1,608			0
2475 - PTTEP - AIMS shoals resurvey 2013	54,326	34,030	88,356			0
2480 - 1.1.2 - Key ecological processes in Kimberley benthic commun	-2,611	4,703	2,092	110,610	94,629	205,239
2481 - 1.1.3 - Ecological connectivity of Kimberley marine	15,752	5,871	21,623	140,083	63,087	203,170
2483 - 2.2.1 - Physical oceanographic dynamics in the Kimberley	50,532	65,887	116,418	115,522	45,601	161,123
2484 - 2.2.2 - Pathways to Production : Biogeochemical	4,072	58,292	62,364	9,567	58,120	67,687
2485 - 2.2.6 - Catchment-Ocean Interactions	16,167	29,229	45,396	0	32,309	32,309
2515 - National eResearch Collaboration Tools & Resources	3,436	48,831	52,267			0
2518 - Woodside Rankin Bank & Glomar Shoals Baseline	176,998	188,462	365,460	33,347	0	33,347
2538 - Long term monitoring of benthic and fish communities at			0	76,188	105,520	181,708
2556 - Ecological Consequences of Spill Scenarios at Scott Reef	243	3,973	4,216			0
2559 - 1.1.1 Distribution and predictors of benthic biodiversity			0	254,459	325,046	579,505
2570 - Strategic gap filling of banks and shoals h	314,461	0	314,461	129,933	0	129,933
2598 - Woodside Ningaloo & Outer Shark Bay			0	323,835	119,981	443,816
2599 - Woodside Rankin Baseline Extension			0	39,910	51,377	91,287
2601 - PTTEP NW Atlas and Banks and Shoals Cruise			0	15,000	40,674	55,674
2627 - Scott Reef Research Program. Long-term monitoring of Scott R			0	263,378	115,091	378,469
Team 3.2: Impacts of dredging and oil spills	1,292,514	1,250,110	2,542,624	3,567,009	1,066,155	4,633,164
2300 - Impacts of Dredging on Benthic Communities	2,164	0	2,164	6,189	0	6,189
2437 - Dredging and dredge spoil placement environmental monitoring	377	5,419	5,796	123	6,988	7,111
2443 - Browse operational and scientific monitoring program develop	46,781	350,291	397,072	344,188	0	344,188
2486 - Theme 4 - Defining thresholds and indicators of Coral	66,331	449,777	516,109	195,174	329,598	524,772
2487 - Theme 6 - Defining thresholds and indicators of filter	45,796	212,898	258,693	267,344	217,674	485,018
2488 - Theme 7 - Effects of Dredging Related Pressures on critical	35,668	136,778	172,446	84,082	89,246	173,328
2489 - Theme 9: Effects of dredging-related pressures on critical	0	10,257	10,257	0	20,717	20,717
2490 - Theme 8 - Effects of dredging related pressures on	0	3,082	3,082			0
2561 - ARP 1 Sampling strategies for hydrocarbo	50,000	0	50,000	50,000	0	50,000
2562 - ARP 2 Baseline hydrocarbon surveying in	280,000	0	280,000	560,000	0	560,000
2563 - ARP 3 Ocean current model validation	18,000	0	18,000	56,600	9,590	66,190
2564 - ARP 4 Evaluating the effects of hydrocar	4,800	10,325	15,125	4,800	17,380	22,180
2565 - ARP 5 Establishing the basis to evaluate	250,000	0	250,000	415,000	0	415,000
2566 - ARP 6 Investigating the breeding and for	400,000	0	400,000	250,000	0	250,000
2567 - ARP 7 Subtidal Benthos: towards benthic	110	0	110	586,570	208,678	795,248
2569 - ARP 9 ARP and OSMP Preparedness	92,486	71,284	163,770	746,939	166,286	913,225

Team 3.3: Biology and ecology of fish and megafauna	117,555	214,233	331,788	201,465	334,440	535,905
2109 - AATAMS Rowley Shoals, Ningaloo & Scott Reefs	40,926	28,484	69,409	36,000	29,577	65,577
2220 - Behaviour, demography and migration patt	48,040	13,853	61,894	30,000	31,855	61,855
2319 - Connectivity of Indian Ocean whale sharks: a holistic	14,268	8,416	22,683	0	8,735	8,735
2338 - Connectivity of Indian Ocean Whale Sharks	1,822	8,416	10,238	12,768	0	12,768
2409 - Understanding fish recruitment processes at Ningaloo Reef	7,718	51,361	59,079	16,442	15,356	31,798
2451 - What happens to coral reefs without cleaner fish?	0	16,831	16,831	0	17,469	17,469
2457 - Warming up Predator-Prey Interactions	840	16,831	17,671	0	17,469	17,469
2482 - 1.2.1a - Modelling the movement and spatial distribution of	390	44,629	45,019	86,816	139,086	225,902
2501 - Persistence & fate of fishes in ephemeral habitats	2,991	9,867	12,858	0	21,262	21,262
2590 - Movement behaviour of marine megafauna	561	10,383	10,944	19,439	16,788	36,227
2592 - Nesting and movement behaviour of	0	5,163	5,163	0	36,843	36,843
Total AIMS RESEARCH	6,612,881	12,116,181	18,729,062	9,471,790	11,151,551	20,623,342