

**Plymouth Coastal Observatory Report to Project Team
October 2012**

1. Topo Contracts

- Baseline topographic surveys for TSW01 and TSW02 almost complete
- Baseline topographic surveys for TSW03 is complete. TSW04 is almost complete, waiting for final deliverables for last 2 survey units.
- Baseline topographic surveys for TSWPCO have been completed.
- Autumn interim topographic surveys have commenced.
- PCO completed the annual Isles of Scilly topographic survey over the second week of September 2012, data is currently being processed.

2. Bathy Contracts

- Singlebeam bathymetric survey work for the Exe & Teign Estuaries has been completed. Data still to be submitted to PCO.
- All current multibeam surveys have been completed. UKHO to QC, process data and deliver to PCO.

3. LiDAR Contracts

- LiDAR surveys are complete for LSW01 and LSW02. Data has been submitted, checked and accepted by PCO.
- Data for LSW01 and LSW02 has been sent for upload to the website.
- Data capture for LSW03 is also complete. Data is undergoing final QC checks.

4. Aerial Photography Contracts

- ASW01 100% complete. Data still to be processed and delivered.
- ASW02 33% complete. Planned flights to capture remaining data within flying window, two out of predicted four days needed to complete remaining area.

5. Habitat Mapping Contracts

- Framework awarded – no further updates.

6. Office

- The PCO office has just had the computing equipment upgraded, still having some teething problems but all issued currently being worked on by IT.
- The Programme's sixth annual meeting will be held on the 11th October 2102 in Newton Abbot.



Channel Coastal Observatory Report to Project Team October 2012

1. Wave, tide and met stations

Weston Bay DWR came adrift on 22 September; one GPS position was received, showing the buoy over 1km off position; Swansea Coastguard kindly ran their models to estimate likely position, but a boat search in the immediate area and an extensive shoreline transit with receiving kit has not found anything. The search has now been called off and a replacement buoy will be deployed as soon as sea conditions permit, along with re-deployment of the Tor Bay DWR.

The average monthly unscheduled costs for the wave buoys and tide gauge/met station sites is shown at Figure 1.

Southwest Regional Coastal Monitoring Programme - Phase II
Average monthly unscheduled maintenance costs from 01 October 2011 to 31 August 2012
Total monthly average unscheduled costs for all sites = £14,220

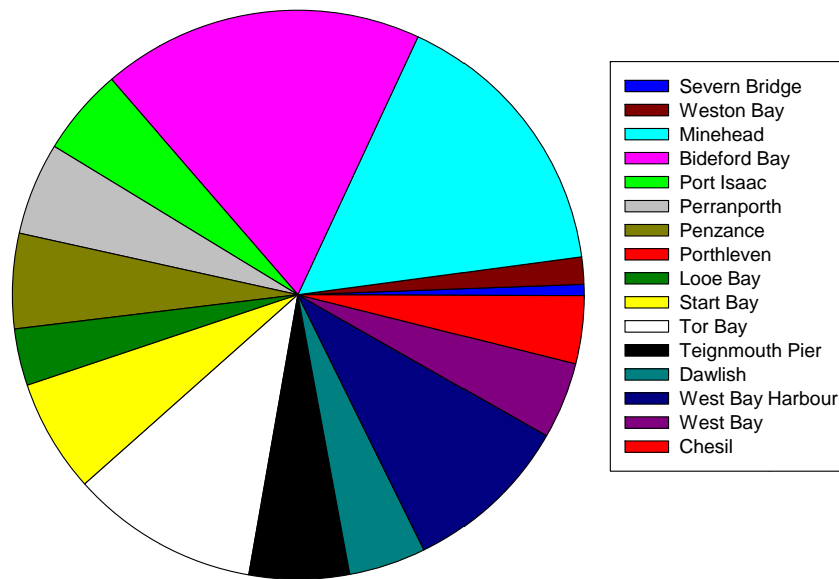


Figure 1: Unscheduled maintenance

Following a request by the Permanent Service for Mean Sea Level and the UNESCO Intergovernmental Oceanographic Commission, real-time data (10 second averages) from the tide gauges is now uploaded to the world-wide IOC Sea Level Monitoring Facility, which also includes regional tsunami warning networks: <http://www.ioc-sealevelmonitoring.org/index.php>

2. Website

Storm Watch UK has been developed for the website, to receive photographs of wave overtopping and coastal flooding from engineers and members of the public. It will be launched at the SW Annual Partners Meeting on 11 October.

Phase II data is now downloaded from the website using the Open Government Licence. Appropriate Phase I data will be brought in to the system in due course.

3. General

Quarterly website download statistics for Phase II are given at Figure 2. The breakdown of costs for the download statistics is:

- Ortho-photography £27 per 500m² tile
- Bathymetry £1,650 per 1km²
- Lidar £100 per 500m² tile
- Waves/tides/met £16,800 per annual file per site
- Topographic £3,100 per management unit

These values were based on the average costs of data acquisition for Phase I of the Southeast. The figures will be revised shortly based on SE Phase III and SW Phase II contract costs.

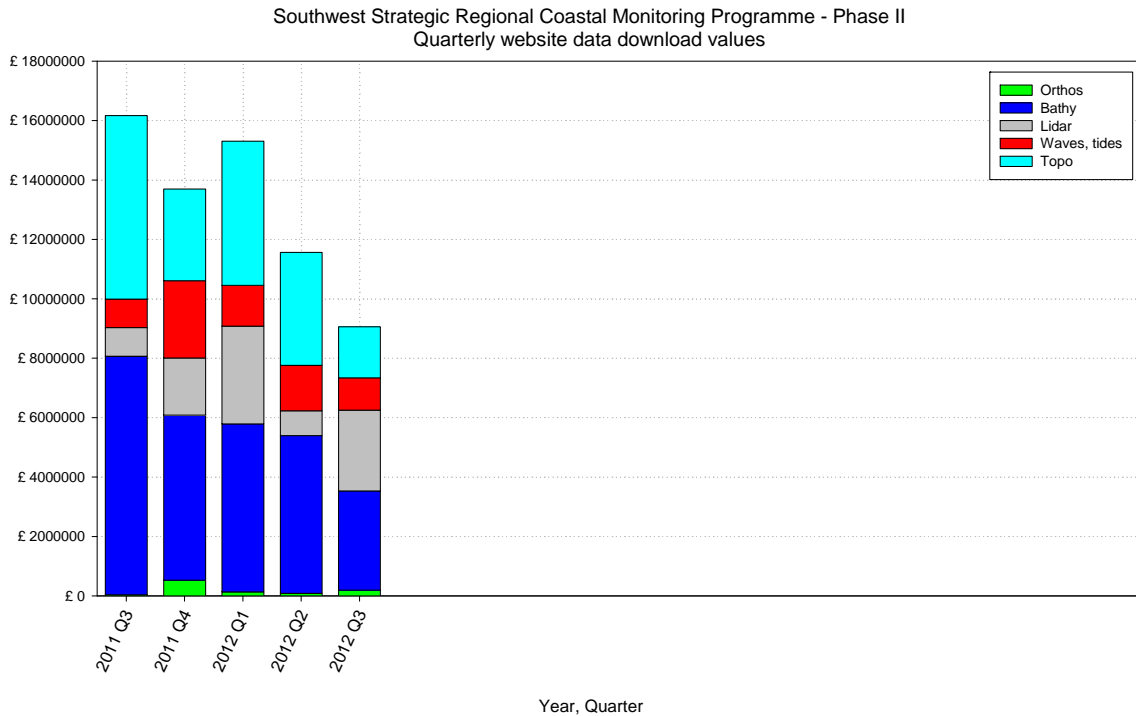


Figure 2: Website download values

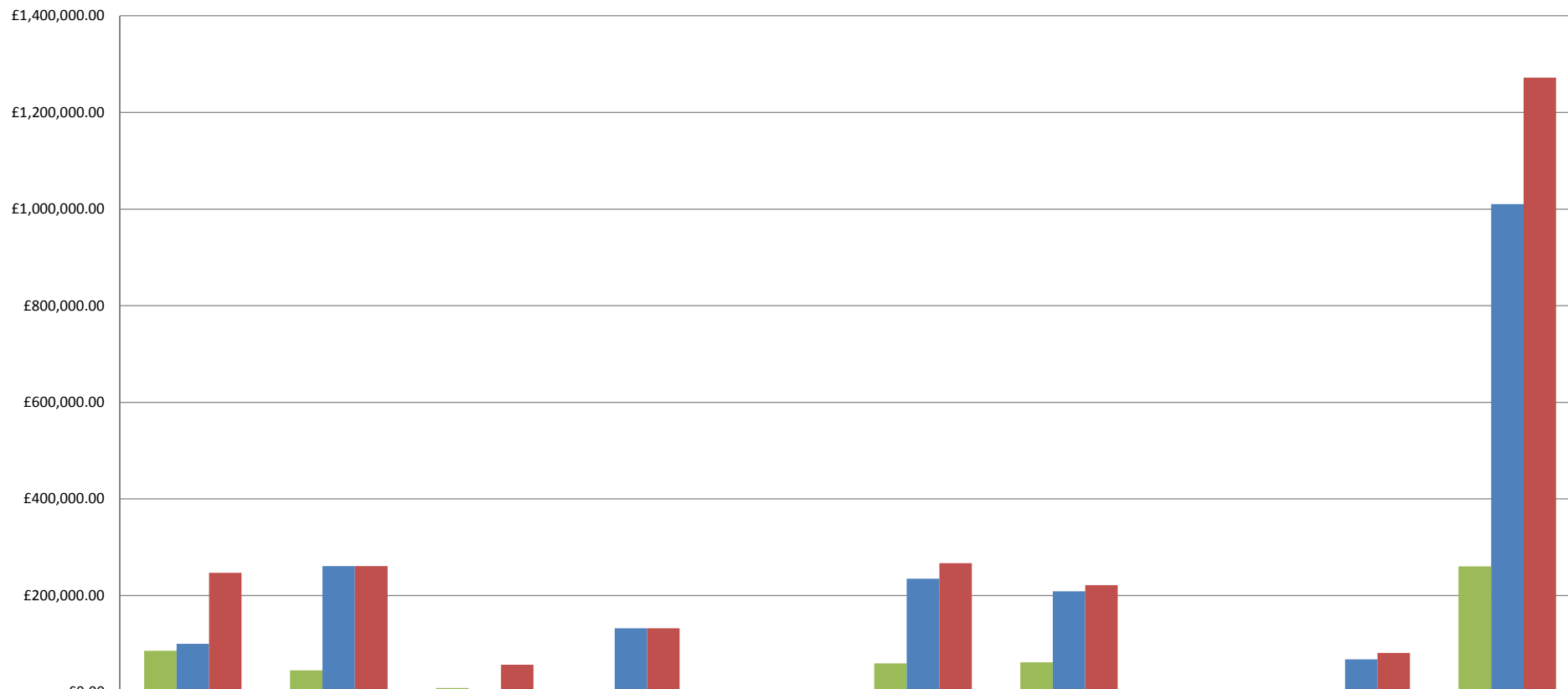
South West Coastal Monitoring Programme 2011/12 - 2015/16

Financial Report

2011/12						
DESCRIPTION	ORIGINAL STAR REQUEST 2011/12 £	APPROVED BUDGET 2011/12 £	ACTUAL TO DATE £	COMMITTED TO DATE £	TOTAL SPENT & COMMITTED TO DATE £	BALANCE (OVERSPEND) £
Topographic Surveys	256,000.00	240,000.00	92,857.83		92,857.83	147,142.17
Lidar	140,000.00	75,000.00	18,500.00		18,500.00	56,500.00
Aerial Photography	-	-	-		-	-
Habitat Mapping	-	-	-		-	-
Hydrodynamic	198,000.00	180,000.00	147,934.27		147,934.27	32,065.73
Project and Data Management	209,000.00	209,000.00	196,447.95		196,447.95	12,552.05
Client and Group Management	5,000.00	5,000.00	4,248.64		4,248.64	751.36
Projects Total	808,000.00	709,000.00	459,988.69		459,988.69	249,011.31
Contingency:	107,000.00	18,000.00				18,000.00
Bathymetric Surveys	-	-	4,998.75		4,998.75	(4,998.75)
Contingency Total	107,000.00	18,000.00	4,998.75		4,998.75	13,001.25
Total	915,000.00	727,000.00	464,987.44		464,987.44	262,012.56

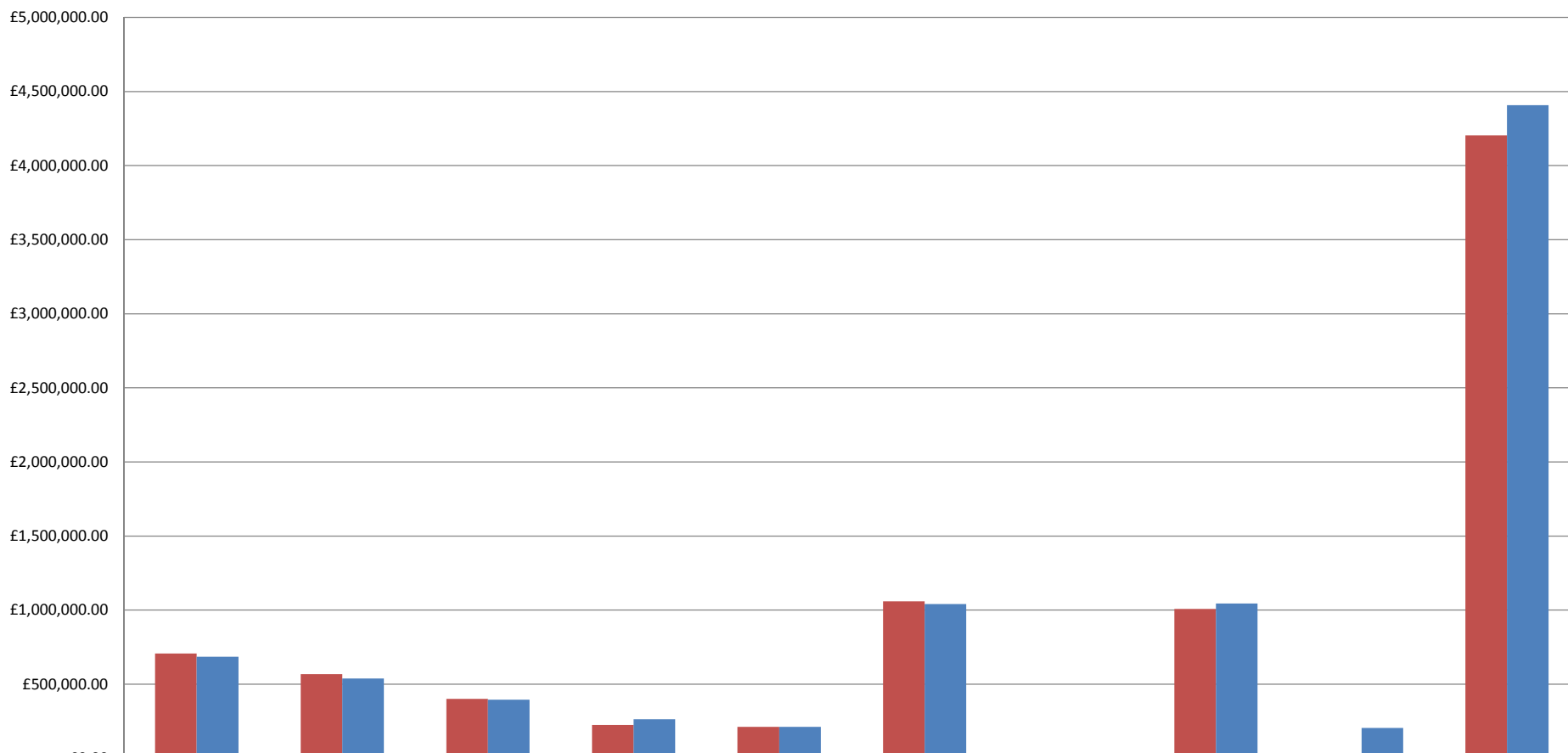
2012/13							
DESCRIPTION	ORIGINAL STAR REQUEST 2012/13 £	C/F FROM BUDGET 2011/12 £	APPROVED BUDGET 2012/13 £	ACTUAL TO DATE 12/12/13 £	COMMITTED TO DATE £	TOTAL SPENT & COMMITTED TO DATE £	BALANCE (OVERSPEND) £
Topographic Surveys	256,000.00	147,142.17	100,000.00	85,727.12	128,891.88	214,619.00	32,523.17
Bathymetric Surveys	261,000.00	0	261,000.00	45,133.20	250,366.80	295,500.00	(34,500.00)
Lidar	60,000.00	56,500.00	-	8,298.70	48,201.30	56,500.00	-
Aerial Photography	132,000.00	-	132,000.00		85,035.00	85,035.00	46,965.00
Habitat Mapping	-	-	-		-	-	-
Hydrodynamic	198,000.00	32,065.73	235,000.00	59,556.23	143,335.30	202,891.53	64,174.20
Project and Data Management	209,000.00	12,552.05	209,000.00	61,558.59	121,032.28	182,590.87	38,961.18
Client and Group Management	5,000.00	751.36	5,000.00	-	4,900.00	4,900.00	851.36
Projects Total	1,121,000.00	249,011.31	942,000.00	260,273.84	781,762.56	1,042,036.40	148,974.91
Contingency:	149,000.00	13,001.25	68,000.00	-	-	-	81,001.25
Contingency Total	149,000.00	13,001.25	68,000.00	-	-	-	81,001.25
Total	1,270,000.00	262,012.56	1,010,000.00	260,273.84		1,042,036.40	229,976.16

South West Coastal Monitoring Programme Financial Report Expenditure 2012/13



	Topographic Surveys	Bathymetric Surveys	Lidar	Aerial Photography	Habitat Mapping	Hydrodynamic	Project and Data Management	Client and Group Management	Contingency	Total
■ Expenditure to date	£85,727.12	£45,133.20	£8,298.70	£0.00	£0.00	£59,556.23	£61,558.59	£0.00	£0.00	£260,273.84
■ Budget	£100,000.00	£261,000.00	£0.00	£132,000.00	£0.00	£235,000.00	£209,000.00	£5,000.00	£68,000.00	£1,010,000.00
■ Budget + C/F	£247,142.17	£261,000.00	£56,500.00	£132,000.00	£0.00	£267,065.73	£221,552.05	£5,751.36	£81,001.25	£1,272,012.56

South West Coastal Monitoring Programme Financial Report Total Budget / Forcast Expenditure



	Topographic Surveys	Bathymetric Surveys	LIDAR	Aerial Photography	Ecology Mapping	Hydrodynamic Services	Client and Group Management	Project and Data Management	Contingency	Total
Forecast Expenditure	£706,697.63	£567,500.00	£400,834.00	£224,640.00	£212,000.00	£1,059,219.94	£25,000.00	£1,008,447.95	£4,998.75	£4,204,339.52
Total Budget	£685,000.00	£538,000.00	£395,000.00	£264,000.00	£212,000.00	£1,040,000.00	£25,000.00	£1,045,000.00	£204,000.00	£4,408,000.00