



Appendix 11.3

Field Survey Data



Low Tide Field Survey Data



Tidal Lagoon Swansea Bay plc

Web sector	EE01												
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248
Species Peak Count													
Oystercatcher			2	7	18			11	5	20	16	18	
Sanderling													
Dunlin													
Knot													
Black Tailed Godwit													
Bar Tailed Godwit													
Grey Plover													
Ringed plover													
Kittiwake							12 (on pier)						105
Cormorant			2	1					1 (off shore)				
Great Crested Grebe													
Herring Gull				2	44		12	3	3	3		8	35
Lesser Black-backed Gull							4						1
Great Black Backed Gull									1				1
Black headed Gull							1					14	5
Common Gull													1
Mediterranean Gull													
Great Northern diver													
Turnstone			7										
Shelduck													
Mallard													
Heron													
Redshank					1								3
Curlew								1					
Dark Bellied Brent Goose													
Mute Swan													
Carrion Crow													
Common Sandpiper													
Little Egret													
Lapwing													
Little Grebe													
Whimbrel													

Tidal Lagoon Swansea Bay plc

Web sector	EE002													
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	
Species Peak Count														
Oystercatcher			42		336	4	1	15	7	50	55	103	9	
Sanderling				10										
Dunlin				32										
Knot														
Black Tailed Godwit														
Bar Tailed Godwit														
Grey Plover														
Ringed plover														
Kittiwake														
Cormorant														
Great Crested Grebe												1		
Herring Gull				15	39	22	23	23	35	26	18	60	63	
Lesser Black-backed Gull														
Great Black Backed Gull								1		1	1	2	1	
Black headed Gull				16	82	4	7	19	54	6	51	93	16	
Common Gull					14					4	4	7		
Mediterranean Gull				1										
Great Northern diver				1										
Turnstone										6				
Shelduck														
Mallard														
Heron														
Redshank										1				
Curlew			10	2				3		2	2			
Dark Bellied Brent Goose														
Mute Swan														
Carriion Crow														
Common Sandpiper														
Little Egret														
Lapwing											20 flying			
Little Grebe														
Whimbrel														

Tidal Lagoon Swansea Bay plc

Web sector	EE003														
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013		
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248		
Species Peak Count															
Oystercatcher	207	375	30	33	168	176	78	314	29	49	38	115	57		
Sanderling				12											
Dunlin			272	119	85					21					
Knot															
Black Tailed Godwit															
Bar Tailed Godwit			10												
Grey Plover															
Ringed plover															
Kittiwake															
Cormorant															
Great Crested Grebe				2						1 (off shore)		1	1		
Herring Gull		33	130	192	10	215	7	89	8	11	17	43	149		
Lesser Black-backed Gull						23									
Great Black Backed Gull			2			3		2	1	1		5	5		
Black headed Gull		50	47	10		22	26	77	4	36	32	112	37		
Common Gull											1	12			
Mediterranean Gull			2												
Great Northern diver															
Turnstone				5											
Shelduck															
Mallard															
Heron															
Redshank															
Curlew					1		2	17	3	1	1	1			
Dark Bellied Brent Goose															
Mute Swan															
Carriion Crow															
Common Sandpiper															
Little Egret															
Lapwing															
Little Grebe															
Whimbrel															



Tidal Lagoon Swansea Bay plc

Web sector	EE004													
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	
Species Peak Count														
Oystercatcher	118	375	312	180	42	47	171	33	156	68	109	48		
Sanderling	10			41	62					10		250		
Dunlin				450	262	10			180	52		300		
Knot														
Black Tailed Godwit														
Bar Tailed Godwit	2								2					
Grey Plover														
Ringed plover														
Kittiwake														
Cormorant			1						3			2		
Great Crested Grebe					2					5		1	2	
Herring Gull	200	233		3	99	62	93	21	36	33	26	79	37	
Lesser Black-backed Gull							4	1				5	5	
Great Black Backed Gull							3	3	3			5	3	
Black headed Gull		50		25	115	10		83	86	118	119	314	43	
Common Gull												14	1	
Mediterranean Gull														
Great Northern diver														
Turnstone							3				5			
Shelduck										3		2		
Mallard														
Heron														
Redshank														
Curlew	12			2			2			1		2		
Dark Bellied Brent Goose											2	2		
Mute Swan														
Carrion Crow														
Common Sandpiper														
Little Egret														
Lapwing														
Little Grebe														
Whimbrel														



Tidal Lagoon Swansea Bay plc

Web sector	EE005													
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	
Low tide	0712	1420	1459	1030	0830	0830	1255	1629	0959	1042	1557	0837	1514	
Species Peak Count														
Oystercatcher	117	375	287	45	40	40	50	199	149	63	58	209	87	
Sanderling	18	120	62	121	27	27	3			117	10	50		
Dunlin		300	197	166	298	298	7				40		100	
Knot					32	32								
Black Tailed Godwit														
Bar Tailed Godwit	4			4			47					9		
Grey Plover														
Ringed plover		70												
Kittiwake														
Cormorant								1		3			1	
Great Crested Grebe											9			
Herring Gull	32	33	30	17	10	10		5			8		58	
Lesser Black-backed Gull					2	2		1					2	
Great Black Backed Gull				7	1	1	2			3			7	
Black headed Gull		50	127	40	146	146		17	6	17	153	15	329	
Common Gull			10		18	18						1		
Mediterranean Gull					4	4								
Great Northern diver														
Turnstone				1										
Shelduck														
Mallard														
Heron														
Redshank				2					2	1		1		
Curlew	3	10	2	2	1	1		2	2			2		
Dark Bellied Brent Goose														
Mute Swan														
Carrion Crow														
Common Sandpiper														
Little Egret														
Lapwing														
Little Grebe														
Whimbrel														

Tidal Lagoon Swansea Bay plc

Web sector	EE006																
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013				
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248				
Species Peak Count																	
Oystercatcher	116	375	274	250	112	98		94	155	27	75						
Sanderling	7	60	38								20						
Dunlin			105		146	10					65						
Knot																	
Black Tailed Godwit																	
Bar Tailed Godwit					32												
Grey Plover																	
Ringed plover			28				13				2		19				
Kittiwake																	
Cormorant																	
Great Crested Grebe				5			1										
Herring Gull	24				82	62	70	59	50	125	2	76	85				
Lesser Black-backed Gull				4	2	11	17			9		9	9				
Great Black Backed Gull					2	2	10	4	6	4		3	7				
Black headed Gull				47	13		97	36	52	152	10	125	24				
Common Gull					26	19						10					
Mediterranean Gull																	
Great Northern diver																	
Turnstone																	
Shelduck					2					5		2	2				
Mallard																	
Heron																	
Redshank											1						
Curlew	1										2						
Dark Bellied Brent Goose																	
Mute Swan																	
Carriion Crow																	
Common Sandpiper																	
Little Egret																	
Lapwing																	
Little Grebe																	
Whimbrel																	

Tidal Lagoon Swansea Bay plc

Web sector	EE007												
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248
Species Peak Count													
Oystercatcher	20	3	295	150	66	62	11		154		83		
Sanderling			80			9							
Dunlin		110	100		19						65		
Knot													
Black Tailed Godwit													
Bar Tailed Godwit											25		
Grey Plover													
Ringed plover													
Kittiwake													
Cormorant		1											
Great Crested Grebe			62	28	4			1	13	6			
Herring Gull	20	40	11	27	79	58		58	49	125	73	70	73
Lesser Black-backed Gull			2		2	21	2			10	1	8	3
Great Black Backed Gull		3	1			21		6	5	5	15	3	1
Black headed Gull			53	10	38	7	14	37	51	150	63	241	14
Common Gull			68									10	
Mediterranean Gull													
Great Northern diver													
Turnstone													
Shelduck						2						1	2
Mallard													
Heron	3												
Redshank	1										2		
Curlew	1				5								
Dark Bellied Brent Goose													
Mute Swan													
Carriion Crow													
Common Sandpiper													
Little Egret													
Lapwing													
Little Grebe													
Whimbrel													



Tidal Lagoon Swansea Bay plc

Web sector	EE008													
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	
Species Peak Count														
Oystercatcher	15	3	28	47	38	10	37	137	205	36	233	41		
Sanderling									105					
Dunlin			185	105	58						120	75		
Knot														
Black Tailed Godwit														
Bar Tailed Godwit														
Grey Plover														
Ringed plover		20	55	18	49					25				
Kittiwake														
Cormorant														
Great Crested Grebe								28	66					
Herring Gull	22	19	27	74	41	53	54	18	338	103	50	46	84	
Lesser Black-backed Gull			1		5	7								
Great Black Backed Gull	1			1	2	11						7	9	
Black headed Gull		30	72	123	60		20	31	196	185	50	200	17	
Common Gull														
Mediterranean Gull														
Great Northern diver														
Turnstone	11								41					
Shelduck			2			2					2			
Mallard														
Heron														
Redshank														
Curlew					4		1	3						
Dark Bellied Brent Goose														
Mute Swan														
Carriion Crow														
Common Sandpiper														
Little Egret														
Lapwing														
Little Grebe														
Whimbrel														

Tidal Lagoon Swansea Bay plc

Web sector	EE009													
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	
Species Peak Count														
Oystercatcher	7	17	43	25	38	5	50	54	27	15	46	68	5	
Sanderling					15					57	2		134	
Dunlin		50			12				6		110	75	75	
Knot														
Black Tailed Godwit														
Bar Tailed Godwit														
Grey Plover											5			
Ringed plover		16							90					
Kittiwake														
Cormorant														
Great Crested Grebe									19	200				
Herring Gull		38	23	33	32	14	37	17	50	17	11	87	95	
Lesser Black-backed Gull				2		2	2					5		
Great Black Backed Gull		2	2	6	5	2	1	2				1		
Black headed Gull	11	19	24	15	55		13	12	26	46	40	180	23	
Common Gull				4	4						2		1	
Mediterranean Gull														
Great Northern diver														
Turnstone		7					5	7			50	7		
Shelduck														
Mallard														
Heron														
Redshank														
Curlew				1	2			2						
Dark Bellied Brent Goose								9						
Mute Swan														
Carriion Crow														
Common Sandpiper														
Little Egret														
Lapwing														
Little Grebe														
Whimbrel														

Tidal Lagoon Swansea Bay plc

Web sector	EE010													
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	
Species Peak Count														
Oystercatcher	8	33	22	76	49	4	16	4	49	26	23	16	3	
Sanderling		7											11	
Dunlin			10											
Knot														
Black Tailed Godwit														
Bar Tailed Godwit														
Grey Plover														
Ringed plover		30												
Kittiwake														
Cormorant							1					1		
Great Crested Grebe														
Herring Gull		141	46	93	99	61	75	8	228	64	17	30	222	
Lesser Black-backed Gull		10				9	3	2						
Great Black Backed Gull		3				3							2	
Black headed Gull	10	37	87	14	57		12		49	26	11	17	11	
Common Gull				4	8									
Mediterranean Gull														
Great Northern diver														
Turnstone		10	11	7		30								
Shelduck														
Mallard														
Heron														
Redshank				1									2	
Curlew		7										1		
Dark Bellied Brent Goose														
Mute Swan														
Carriion Crow														
Common Sandpiper														
Little Egret														
Lapwing														
Little Grebe														
Whimbrel														

Tidal Lagoon Swansea Bay plc

Web sector	EE011													
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	
Species Peak Count														
Oystercatcher				4			10		14	17		3		
Sanderling									120					
Dunlin												73		
Knot														
Black Tailed Godwit														
Bar Tailed Godwit														
Grey Plover														
Ringed plover														
Kittiwake														
Cormorant		1												
Great Crested Grebe														
Herring Gull		27		24	4	7	8		14				20	
Lesser Black-backed Gull							2							
Great Black Backed Gull		2												
Black headed Gull		19	5	61	13		58	1	51	83	17	75		
Common Gull				2										
Mediterranean Gull														
Great Northern diver														
Turnstone					3									
Shelduck														
Mallard														
Heron														
Redshank														
Curlew							2		2					
Dark Bellied Brent Goose														
Mute Swan														
Carrion Crow														
Common Sandpiper														
Little Egret														
Lapwing														
Little Grebe														
Whimbrel														



Tidal Lagoon Swansea Bay plc

Web sector		EE012																	
Date		21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	15/02/2013	28/03/2013	26/04/2013	13/05/2013	24/05/2013	10/06/2013	11/07/2013	23/08/2013
	Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	1315	1205	1340	1450	1443
Species Peak Count		20																	
Oystercatcher																			
Sanderling																			
Dunlin																			
Knot																			
Black Tailed Godwit																			
Bar Tailed Godwit																			
Grey Plover																			
Ringed plover																			
Kittiwake																			
Cormorant																			
Great Crested Grebe																			
Herring Gull					2					2									
Lesser Black-backed Gull										1									
Great Black Backed Gull																			
Black headed Gull	50				20			4		3									
Common Gull																			
Mediterranean Gull																			
Great Northern diver																			
Turnstone										6									
Shelduck																			
Mallard																			
Heron																			
Redshank																			
Curlew																			
Dark Bellied Brent Goose																			
Mute Swan																			
Carriion Crow																			
Common Sandpiper																			
Little Egret																			
Lapwing																			
Little Grebe																			
Whimbrel																			



Tidal Lagoon Swansea Bay plc

Web sector	EE013																					
	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	15/01/2013	22/01/2013	08/37	15/02/2013	28/03/2013	26/04/2013	13/15	24/05/2013	10/06/2013	11/07/2013	23/08/2013	
	Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	1315	1205	1340	1450	1443			
Species Peak Count																						
Oystercatcher																						
Sanderling																						
Dunlin																						
Knot																						
Black Tailed Godwit																						
Bar Tailed Godwit																						
Grey Plover																						
Ringed plover																						
Kittiwake																						
Cormorant																						
Great Crested Grebe																						
Herring Gull								2														
Lesser Black-backed Gull																						
Great Black Backed Gull																						
Black headed Gull																						
Common Gull																						
Mediterranean Gull																						
Great Northern diver																						
Turnstone																						
Shelduck																						
Mallard																						
Heron																						
Redshank								1														
Curlew																						
Dark Bellied Brent Goose																						
Mute Swan																						
Carrian Crow																						
Common Sandpiper																						
Little Egret																						
Lapwing																						
Little Grebe																						
Whimbrel																						



Tidal Lagoon Swansea Bay plc

Web sector	EE014																
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	15/02/2013	28/03/2013	26/04/2013	24/05/2013	10/06/2013	11/07/2013	23/08/2013
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	1315	1205	1340	1450
Species Peak Count																	
Oystercatcher											1						
Sanderling																	
Dunlin																	
Knot																	
Black Tailed Godwit																	
Bar Tailed Godwit																	
Grey Plover																	
Ringed plover																	
Kittiwake																	
Cormorant																	
Great Crested Grebe																	
Herring Gull											4	4	27				
Lesser Black-backed Gull																	
Great Black Backed Gull												16					
Black headed Gull												1					
Common Gull																	
Mediterranean Gull																	
Great Northern diver																	
Turnstone											2						
Shelduck																	
Mallard																	
Heron																	
Redshank												1					1
Curllew																	
Dark Bellied Brent Goose																	
Mute Swan																	
Carion Crow																	
Common Sandpiper																	
Little Egret																	
Lapwing																	
Little Grebe																	
Whimbrel																	



Tidal Lagoon Swansea Bay plc

Web sector	EE015																	
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	26/04/2013	24/05/2013	10/06/2013	11/07/2013	23/08/2013
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	1315	1205	1340	1450	1443
Species Peak Count																		
Oystercatcher			2		4	10	3	7		22	5	20	4	13				37
Sanderling																		
Dunlin																		
Knot																		
Black Tailed Godwit																		
Bar Tailed Godwit																		
Grey Plover																		
Ringed plover																		
Kittiwake																		
Cormorant																		
Great Crested Grebe																		
Herring Gull			2					19	600	72	1	114	227	287	63	12	2	147
Lesser Black-backed Gull													6	189	17			
Great Black Backed Gull								1	8					4				
Black headed Gull			3				84			2								23
Common Gull												11	11					
Mediterranean Gull																		
Great Northern diver																		
Turnstone												2						
Shelduck																		
Mallard																		
Heron																		
Redshank																		15
Curlew				1						1	2							
Dark Bellied Brent Goose																		
Mute Swan									3									
Carriion Crow																		
Common Sandpiper																		
Little Egret																		
Lapwing																		
Little Grebe																		
Whimbrel																		



Tidal Lagoon Swansea Bay plc

Web sector	EE016																	
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	26/04/2013	24/05/2013	10/06/2013	11/07/2013	23/08/2013
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	1315	1205	1340	1450	1443
Species Peak Count																		
Oystercatcher							147	6	1	42	44	142				36	70	220
Sanderling									100		15		13		87			40
Dunlin											5	42	14	10	31			10
Knot																		
Black Tailed Godwit																		
Bar Tailed Godwit																		
Grey Plover																		
Ringed plover							4				11		10	45	120			
Kittiwake																		
Cormorant	2																	
Great Crested Grebe								2		94								
Herring Gull	1	7	1				212	89		495	678	287	122	82	12	126	123	202
Lesser Black-backed Gull					15							8	7	56	47	21	1	48
Great Black Backed Gull								1		2		4	3	4		1		
Black headed Gull							63	37		118	39	189					64	
Common Gull							18	56			189	61	2	38			38	
Mediterranean Gull																		
Great Northern diver																		
Turnstone																		
Shelduck																		
Mallard																		
Heron																		
Redshank																		
Curlew				2			3	3		7	3						4	
Dark Bellied Brent Goose																		
Mute Swan																		
Carriion Crow																		
Common Sandpiper																		
Little Egret																		
Lapwing																		
Little Grebe																		
Whimbrel																		



Tidal Lagoon Swansea Bay plc

Web sector	EE017																		
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	26/04/2013	1315	1205	10/06/2013	11/07/2013	23/08/2013
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	1315	1205	1340	1450	1443	
Species Peak Count																			
Oystercatcher	1		56		10		17	6	18	13	45	139	2				10	194	
Sanderling							2					95						172	
Dunlin			60				16	15					2	8		6	2	31	
Knot																			
Black Tailed Godwit																			
Bar Tailed Godwit																			
Grey Plover																			
Ringed plover							84							38				12	
Kittiwake																			
Cormorant																	2		
Great Crested Grebe			1	1						8									
Herring Gull	36		10		40	50		10	70	30	447	345	94	177	169	32	27	10	
Lesser Black-backed Gull	14		17		10	50		2					37	89		4	14	11	
Great Black Backed Gull			1		2				2					17		2		2	
Black headed Gull									20	15		293					28	30	
Common Gull											1100	65	60						
Mediterranean Gull																			
Great Northern diver																			
Turnstone																			
Shelduck																			
Mallard																			
Heron																			
Redshank																			
Curlew	4			2	1		4	2	1	3	1	1					6		
Dark Bellied Brent Goose																			
Mute Swan																			
Carriion Crow									15	38									
Common Sandpiper																			
Little Egret																			
Lapwing																			
Little Grebe																			
Whimbrel																			



Tidal Lagoon Swansea Bay plc

Web sector		EE018																		
Date		21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	26/04/2013	1315	1205	1340	11/07/2013	23/08/2013
	Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	1315	1205	1340	1450	1443	1443
Species Peak Count																				
Oystercatcher			35	35		6		11	3	2	5		45					1	73	1
Sanderling						15														
Dunlin			32													17				
Knot																				
Black Tailed Godwit																				
Bar Tailed Godwit																				
Grey Plover					2	2														
Ringed plover																7				85
Kittiwake																		1		
Cormorant					6				2				1							
Great Crested Grebe					1															
Herring Gull			15			26	0	189	114	173	226	36	391	44	19	27	49	88	20	
Lesser Black-backed Gull			30			15	0	31				14	12	14	34	42	7	15	30	
Great Black Backed Gull			2			2	1		2			2		11	8	6	9	2		
Black headed Gull									48	32	22	6	344			4		14	37	
Common Gull												4	65							
Mediterranean Gull																				
Great Northern diver																				
Turnstone																				
Shelduck					2		2										2			
Mallard																				
Heron																				
Redshank			1												1					
Curlew					4	2	3	2	5	2			3			1		16	47	
Dark Bellied Brent Goose																				
Mute Swan																				
Carriion Crow										4										
Common Sandpiper																				
Little Egret																				
Lapwing																				
Little Grebe																				
Whimbrel																				



Tidal Lagoon Swansea Bay plc

Web sector	EE019																
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/03/2012	25/03/2012	09/04/2012	22/04/2012	30/04/2012	06/05/2012	13/05/2012	20/05/2012	27/05/2012	03/06/2012	10/06/2012
Low tide	0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	1315	1205	1340	1450
Species Peak Count																	
Oystercatcher																	
Sanderling																	
Dunlin															10		
Knot																	
Black Tailed Godwit																	1
Bar Tailed Godwit																	
Grey Plover																	
Ringed plover															10		
Kittiwake																	
Cormorant												9					
Great Crested Grebe																	
Herring Gull										1				2		2	1
Lesser Black-backed Gull							4								2		1
Great Black Backed Gull							1										
Black headed Gull																	4
Common Gull																	
Mediterranean Gull																	
Great Northern diver																	
Turnstone																	
Shelduck					1												
Mallard					1												
Heron																	
Redshank					1			2		1			5	1	1		8
Curlew					1		51	1									2
Dark Bellied Brent Goose																	
Mute Swan																	
Carion Crow																	
Common Sandpiper																	
Little Egret																	
Lapwing																	
Little Grebe																	
Whimbrel															2		



Tidal Lagoon Swansea Bay plc

Web sector		EE020																	
Date	Low tide	21/10/2011 0712	15/11/2011 1420	15/12/2011 1459	06/01/2012 1030	20/02/2012 0830	09/03/2012 1255	21/09/2012 16929	25/10/2012 0959	26/11/2012 1042	18/12/2012 1557	22/01/2013 0837	15/02/2013 1514	28/03/2013 1248	26/04/2013 1315	24/05/2013 1205	10/06/2013 1340	11/07/2013 1450	23/08/2013 1443
Species Peak Count									3									33	
Oystercatcher																			
Sanderling																			
Dunlin																51			
Knot																			
Black Tailed Godwit																			
Bar Tailed Godwit																			
Grey Plover																			
Ringed plover																82			
Kittiwake																			
Cormorant																			
Great Crested Grebe														2					
Herring Gull								4	10			4	4	4		1		1	1
Lesser Black-backed Gull																			
Great Black Backed Gull									1									1	1
Black headed Gull								16				2	11					2	5
Common Gull												15							
Mediterranean Gull																			
Great Northern diver																			
Turnstone												2							
Shelduck											5	2	2			1	1		
Mallard																			
Heron																			
Redshank																			
Curlew						1		8	2			39	14	2				18	103
Dark Bellied Brent Goose																			
Mute Swan																			
Carriion Crow																			
Common Sandpiper										1									
Little Egret											1								
Lapwing												1							
Little Grebe												1							
Whimbrel																			



Tidal Lagoon Swansea Bay plc

Web sector		EE022																														
Date	Low tide	0712	1420	1459	06/01/2012	1030	20/02/2012	0830	1255	21/09/2012	1629	25/10/2012	0959	26/11/2012	1042	18/12/2012	1557	22/01/2013	0837	15/02/2013	1514	28/03/2013	1248	26/04/2013	1315	24/05/2013	1205	1340	11/07/2013	1450	23/08/2013	
Species Peak Count																																
Oystercatcher																																
Sanderling																																
Dunlin								1																								
Knot																																
Black Tailed Godwit																																
Bar Tailed Godwit																																
Grey Plover																																
Ringed plover																																
Kittiwake																																
Cormorant																																
Great Crested Grebe																																
Herring Gull													1						2												2	
Lesser Black-backed Gull																																
Great Black Backed Gull																		2														
Black headed Gull																			4													
Common Gull																																
Mediterranean Gull																																
Great Northern diver																																
Turnstone																																
Shelduck																																
Mallard								2																								
Heron																																
Redshank								1					1																			
Curlew																																
Dark Bellied Brent Goose																																
Mute Swan																																
Carrión Crow																																
Common Sandpiper																																
Little Egret															1																	
Lapwing																																
Little Grebe																																
Whimbrel																																



Tidal Lagoon Swansea Bay plc

Web sector		EE023																		
Date		21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	26/04/2013	1315	1205	1340	1450	23/08/2013
Low tide		0712	1420	1459	1030	0830	1255	1629	0959	1042	1557	0837	1514	1248	1315	1205	1340	1450	1443	
Species Peak Count																				
Oystercatcher					32						38	19	47	5						
Sanderling																				
Dunlin						10														
Knot																				
Black Tailed Godwit																				
Bar Tailed Godwit																				
Grey Plover																				
Ringed plover																				
Kittiwake																				
Cormorant								1	1		2									
Great Crested Grebe											1									
Herring Gull								140	62		41	31	18	80						
Lesser Black-backed Gull								60				12	8	2						
Great Black Backed Gull								2												
Black headed Gull								10			38	2	27							
Common Gull														20						
Mediterranean Gull																				
Great Northern diver																				
Turnstone																				
Shelduck																				
Mallard																				
Heron																				
Redshank																				
Curlew						1					1	1								
Dark Bellied Brent Goose																				
Mute Swan																				
Carriion Crow																				
Common Sandpiper																				
Little Egret																				
Lapwing																				
Little Grebe																				
Whimbrel																				



High Tide Field Survey Data



Tidal Lagoon Swansea Bay plc

Swansea Bay West													
Web sector/Area													
Grid Ref													
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013
High tide	1338	0823	0857	1633	1530	0655	1031	1609	1658	1557	1500	0924	0644
Species Peak Count													
Oyster Catcher	1354	2100	1768	779	842	27	400	832	460	300	607	350	3
Sanderling	42	426	482	274	15	22		50	2	14	179		20
Dunlin	46	477	746	739	730	15			1	21	469		3
Knot		6		10				3				4	1
Redshank			1							12	32	5	
Black Tailed Godwit				1									
Bar Tailed Godwit	10	21	20	12		25		24	16		20	11	13
Curlew	41	42	30			2		84	3		5		
Grey Plover	1												3
Ringed plover	88	98	140	197		18				5	63		
Cormorant	2	9	1			2	4	7	2	2	7		2
Great Crested Grebe				12	3	2						1	2
Herring Gull		48	43	598	203	56	166	85	491	65	143	53	57
Lesser Black-backed Gull		11		40	6	3	116	2	1		1		
Great Black Backed Gull			3	3	5	15	2	18	9	2	7	3	9
Black headed Gull		97	73	746	324	6	142	181	1049	268	301	153	48
Common Gull			13	23	24	10		1			1	4	16
Mediterranean Gull				2									
Carriion crow													
Turnstone			8		11	8	5		21	64	70	51	43
Shelduck			1		12			2			2	6	4
Dark Bellied Brent	3					3							
Snipe													
Mallard											3		
Little Egret													
Teal													
Great Northern Diver													
Whimbrel													
Common Sandpiper													
Greylag													



Tidal Lagoon Swansea Bay plc

Web sector/Area		Swansea Bay East																
Grid Ref																		
Date	21/10/2011	15/11/2011	15/12/2011	06/01/2012	20/02/2012	09/03/2012	21/09/2012	25/10/2012	26/11/2012	18/12/2012	22/01/2013	15/02/2013	28/03/2013	26/04/2013	24/05/2013	10/06/2013	11/07/2013	23/08/2013
High tide	1338	0823	0857	1633	1530	0655	1031	1609	1658	0957	1500	0924	0644	0655	0545	0750	0901	0837
Species Peak Count																		
Oyster Catcher	100	95	35	89	80	38	316	132	154	440	113	200	13			122	64	881
Sanderling	25			15	10	10	230	32		272		402	178		53			223
Dunlin	60	120	1	26	5		44	5		4		48	7	30	80	11		10
Knot														1				
Redshank				2	1	4	3		2	1	2		9	3	1		16	13
Black Tailed Godwit																		
Bar Tailed Godwit							4	1										
Curlew				3			72	2		12	1	57	46	10	2		37	118
Grey Plover								3				1		2				
Ringed plover							133	186	464	151		121	27	34	150	1		57
Cormorant	1			3		10	2	4				2	1		3		3	1
Great Crested Grebe		1		1	1	2				85							4	2
Herring Gull		32	30	17	20	38		406	300	92	28	3	104	6	27	38	79	33
Lesser Black-backed Gull		54	10	2	20	80	12		50				4		7	2	2	7
Great Black Backed Gull		2				2	2	6	5								1	9
Black headed Gull							38		70	10	7	2	15		7		51	178
Common Gull							10	27			13	3	47					4
Mediterranean Gull																	1	
Carriion crow		6	5	10	6			273	22									
Turnstone				2						3			13	2	19			
Shelduck							2	1		4	4	10	6			1		
Dark Bellied Brent								7										
Snipe																		
Mallard	2						2											
Little egret									1			1						
Teal									2	12			7					
Great Northern Diver													2					
Whimbrel															3			
Common Sandpiper																	1	
Greylag															3			