

Appendix 24 – Sand, Fish QC1 and QC4 element measurements in mm | Rachel Parks

The data in this table can be obtained from the project archive on the Archaeology Data Service (ADS) website, after agreeing to their terms and conditions:

ads.ahds.ac.uk/catalogue/resources.html?sfs_ba_2007 > Downloads > Data > Artefact and ecofact catalogues. From here you can download the file

'Zooarchaeology_fish_measurement_appendices_13.9.4.pdf' (pages 13–30). See also the draft version 'sand_bone_report_appendix_Parks.pdf' (pp10–15) in Specialists reports.

The written report can be found in [Section 3.11](#) or as an archive version at the ADS > Downloads > Documents > Final Reports. From here you can download the file

'Parks_&_Barrett,_zoo-archaeology_of_Sand_22.9.04.pdf' (page 10). See also the draft version of the report 'sand_bone_report,_Parks.pdf' in Documents > Specialist reports.

element	taxon	context	bone id	M1	M2	M3
articular	ballan wrasse	topsoil	SFS4-6800	3.16		
		main shell midden	SFS4-7100	2.41		
basioccipital	saithe		SFS4-1049	3.05	3.31	
			SFS4-737	3.03	3.51	
			SFS4-7313	2.82	3.46	
			SFS4-791	2.57	4.01	
			SFS4-7633	3.02	4.23	
		sandy soil	SFS4-6846	3.62	4.07	
			SFS4-7189	2.99	3.76	
		topsoil	SFS4-7540	2.84	3.80	
			SFS4-880	3.04	3.19	
pollack	main shell midden	SFS4-1781		6.32		
		SFS4-7113		10.63		
cod		SFS4-7113		10.63		
cod, saithe or		SFS4-	11.75			

	pollack		7127			
	cod family		SFS4-1656	2.64	3.48	
			SFS4-12371	2.79	3.28	
			SFS4-6886	3.68	4.82	
		sandy soil	SFS4-12014	1.55	2.01	
	ballan wrasse	main shell midden	SFS4-7740	4.73	5.57	
	wrasse family		SFS4-2669	3.09	3.78	
			SFS4-2581	4.76	5.26	
			SFS4-2822	5.04	5.21	
			SFS4-1748	2.76	3.04	
			SFS4-1719	3.08	3.14	
			SFS4-2995	2.47	2.72	
			SFS4-2568	3.18	3.21	
			SFS4-6881	5.18	5.23	
			SFS4-7125	4.92	5.37	
			SFS4-7126	4.78	4.77	
			shell midden	SFS4-7673	3.84	3.88
				SFS4-7609	3.82	4.49
			sandy soil	SFS4-7634	3.68	3.83
			topsoil	SFS4-6745	3.15	3.80
				SFS4-6746	3.57	3.77
				SFS4-6824	3.24	3.04
				SFS4-6685	3.03	3.44
				SFS4-13106	2.96	3.45
	SFS4-6157	3.61		3.48		
dentary	saithe					

		SFS4-13012		2.46	
	main shell midden	SFS4-1043	1.82	2.49	
		SFS4-1044	1.64	2.32	
		SFS4-12176		2.55	
		SFS4-7316	2.86	2.48	
		SFS4-7418	2.88		
		SFS4-7023	4.52	4.69	
		SFS4-7112	4.09		
pollack			SFS4-6093	4.84	4.92
		SFS4-12253	5.46		
		SFS4-2844	6.51		
		SFS4-6179		5.84	
saithe or pollack		SFS4-1045		2.21	
		SFS4-604	1.72	2.36	
		SFS4-1597	2.35		
	topsoil	SFS4-15707	5.83		
cod	main shell midden	SFS4-709		1.71	
		SFS4-819	1.49	2.03	
		SFS4-2915	1.86		
cod, saithe or pollack	topsoil	SFS4-708	1.92	2.5	
		SFS4-2792	3.98		
cod family		SFS4-6848	2.86		
	main shell midden	SFS4-2684		2.3	
		SFS4-7024	2.60		
ballan wrasse		SFS4-1246	5.26		
wrasse family		SFS4-2888	6.88		
		SFS4-	2.77	4.13	

			1076			
		topsoil	SFS4-2790	5.86		
			SFS4-2755	3.86		
otolith	saithe or pollack	main shell midden	SFS4-15377	5.84	2.29	
			SFS4-15377	5.84	2.29	
			SFS4-15361		3.51	
			SFS4-14128	10.71	3.91	
			SFS4-14129	10.45	3.72	
			SFS4-14130		3.45	
			SFS4-14131	9.95	3.74	
			SFS4-14133		3.27	
			SFS4-14135		3.44	
			SFS4-14143	9.34	3.51	
			SFS4-14144		3.76	
			SFS4-14146		3.34	
			SFS4-14147		3.16	
			SFS4-14153	6.12	2.37	
			SFS4-15238		3.46	
			SFS4-15239	8.80	3.41	
			SFS4-15240		3.94	
			SFS4-15241		3.39	
			SFS4-15243		2.56	
			SFS4-15245		3.36	
			SFS4-15248	6.47	2.56	
			SFS4-15249	6.95	2.67	

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SFS4-16194		2.62	
SFS4-14709		3.12	
SFS4-14710	17.11	7.14	
SFS4-14711		6.54	
SFS4-14712		3.85	
SFS4-14717	12.05	4.32	
SFS4-14718	10.70	3.64	
SFS4-14721	9.46	3.35	
SFS4-14724		3.34	
SFS4-14725	5.81	2.32	
SFS4-14726		3.53	
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SFS4-14733		3.51	
SFS4-14734		4.09	
SFS4-14735	9.42	4.09	
SFS4-14736		4.11	
SFS4-14737	10.72	3.99	
SFS4-14738		3.88	
SFS4-14739	8.99	3.20	
SFS4-14740		2.55	
SFS4-14741		2.63	
SFS4-14742		3.92	
SFS4-14743		3.75	
SFS4-		3.25	

14744			
SFS4-14746		2.91	
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SFS4-14767		2.27	
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SFS4-13880		2.34	
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SFS4-13892		2.43	
SFS4-13897	2.49		
SFS4-13900		2.32	
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SFS4-15216		3.58	
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SFS4-15223	6.53	2.78	
SFS4-		3.31	

15227			
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SFS4-15537	11.09	3.99	
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SFS4-15568	7.05	2.82	
SFS4-15572	6.60	2.54	
SFS4-15577		2.53	
SFS4-15580		2.66	
SFS4-14529		4.63	
SFS4-14531	5.63	2.16	
SFS4-14537	6.20	2.48	
SFS4-14555		4.70	
SFS4-14556	6.57	2.47	
SFS4-14557		2.41	
SFS4-14558		2.63	
SFS4-14560		3.99	
SFS4-		2.77	

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SFS4-14568		2.51	
SFS4-14571	8.18	2.98	
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SFS4-14160		3.86	
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SFS4-14162		3.71	
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SFS4-14100	16.41	6.75	
SFS4-14101	10.19	4.28	
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SFS4-14006	7.20	2.67	
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14007			
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SFS4-15312		3.37	
SFS4-15314	6.43	2.56	
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SFS4-15347		2.51	
SFS4-14946		2.81	
SFS4-14952		3.63	
SFS4-14954		2.28	
SFS4-14931	16.22	6.15	
SFS4-14934		2.40	
SFS4-15210	9.88	3.76	
SFS4-14989		3.76	
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SFS4-14993		3.59	
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SFS4-14996		3.72	
SFS4-14998	8.74	3.34	
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SFS4-15004		3.24	
SFS4-15006		3.54	
SFS4-15009	5.69	2.34	
SFS4-15298		2.28	
SFS4-		2.28	

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	SFS4-15028		3.63
	SFS4-15050		7.61
	SFS4-15051		5.73
	SFS4-15052		5.85
	SFS4-15054		3.47
	SFS4-15055		3.51
	SFS4-15056		4.47
	SFS4-15058		3.48
	SFS4-15059		3.76
	SFS4-15060		3.60
	SFS4-15061		2.53
	SFS4-15063		3.77
	SFS4-15066		2.38
	SFS4-15067		2.50
	SFS4-15068		3.20
	SFS4-15071		2.40
	SFS4-15072	5.88	2.21
	SFS4-15373	5.82	2.27
organic rich layer	SFS4-14674		3.05
	SFS4-14667		2.66
	SFS4-14668		2.23
sandy soil	SFS4-12120		3.39
	SFS4-12114		3.54
shell midden	SFS4-14612		2.43

	SFS4-14615		3.52	
	SFS4-14623		3.60	
	SFS4-14708		4.92	
	SFS4-14698		3.38	
	SFS4-14703		3.00	
	SFS4-15093	7.12	2.85	
topsoil	SFS4-6793		3.70	
	SFS4-15034	9.83	3.81	
	SFS4-15036		3.81	
	SFS4-15037		2.49	
	SFS4-15038		2.27	
	SFS4-15042		3.57	
	SFS4-15043		2.44	
	SFS4-15048		3.52	
	SFS4-14628		3.19	
	SFS4-14631		2.7	
	SFS4-14632		2.61	
	SFS4-14658		3.78	
	SFS4-14661		3.61	
	SFS4-14646		4.02	
	SFS4-14648		2.73	
	SFS4-14639		3.53	
	SFS4-15096		3.89	
	SFS4-15097		3.02	
	SFS4-		2.39	

15102			
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SFS4-15110		2.4	
SFS4-15114		3.26	
SFS4-14838		3.52	
SFS4-14840		2.71	
SFS4-14841		3.58	
SFS4-14842		2.34	
SFS4-14845		2.39	
SFS4-14846		2.68	
SFS4-14847	6.29	2.37	
SFS4-14848		2.65	
SFS4-14849		2.7	
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SFS4-14853		3.98	
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SFS4-14862		2.62	
SFS4-14864		2.26	
SFS4-16046		3.82	
SFS4-16047		2.41	
SFS4-14499	10.56	4.1	
SFS4-14504		3.82	
SFS4-14505		2.53	

SFS4-14508		3.39	
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SFS4-14512		2.41	
SFS4-15146		3.59	
SFS4-15150	6.5	2.65	
SFS4-15152		3.41	
SFS4-15386		3.75	
SFS4-13925		3.8	
SFS4-13926		3.86	
SFS4-13929	9.23	3.34	
SFS4-13933		3.18	
SFS4-13934	9.28	3.71	
SFS4-13935		3.56	
SFS4-13936		4.02	
SFS4-13937		3.48	
SFS4-13938	5.95	2.44	
SFS4-13939		2.47	
SFS4-14020		4.94	
SFS4-14021		3.62	
SFS4-14022		3.87	
SFS4-14023		4.07	
SFS4-14025		3.84	
SFS4-14028		3.4	
SFS4-14029		3.92	
SFS4-		3.42	

14031			
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SFS4-14037		3.33	
SFS4-14038		3.53	
SFS4-14041		3.66	
SFS4-14042		2.57	
SFS4-14044		3.64	
SFS4-14045		3.35	
SFS4-14046		3.59	
SFS4-14048		2.49	
SFS4-14049		2.31	
SFS4-15158		2.9	
SFS4-15166		3.52	
SFS4-15170		3.61	
SFS4-15171		2.43	
SFS4-15186	6.25	2.38	
SFS4-15188		3.01	
SFS4-15189		2.54	
SFS4-15190		3.53	
SFS4-15191	10.32	3.69	
SFS4-15468		3.27	
SFS4-15469		3.59	
SFS4-15471		3.98	
SFS4-15475		3.37	

SFS4-15476		2.4	
SFS4-15477		2.27	
SFS4-15449		3.22	
SFS4-15450		3.82	
SFS4-15451		3.38	
SFS4-15453		2.97	
SFS4-15460	6	2.34	
SFS4-15461		2.46	
SFS4-13921		3.83	
SFS4-14681	6.12	2.33	
SFS4-14683		3.44	
SFS4-14685	6.1	2.35	
SFS4-14690		3.49	
SFS4-14603		3.83	
SFS4-14593		2.29	
SFS4-14594		3.19	
SFS4-14595		3.7	
SFS4-14596		2.99	
SFS4-14598		2.21	
SFS4-14577		4.09	
SFS4-14578		2.79	
SFS4-14581		2.16	
SFS4-14587		3.4	
SFS4-14589		3.32	
SFS4-		2.44	

15390			
SFS4-15391		2.55	
SFS4-15395		2.3	
SFS4-15300		5.16	
SFS4-15301		3.3	
SFS4-15473	6.26	2.44	
SFS4-15304		3.44	
SFS4-13948	16.6	6.54	
SFS4-13950		5.12	
SFS4-13951	10.28	3.68	
SFS4-13952		4.24	
SFS4-13955	10.72	4.4	
SFS4-13956	10.67	3.77	
SFS4-13957	7.57	2.96	
SFS4-13958		3.67	
SFS4-13963		3.06	
SFS4-13964		2.36	
SFS4-13965		2.78	
SFS4-13966		2.3	
SFS4-13968		3.62	
SFS4-14981		2.46	
SFS4-14982	5.82	2.25	
SFS4-14983		3.4	
SFS4-14960		3.62	
SFS4-14961		2.91	

SFS4-14962	5.87	2.48	
SFS4-14971		3.45	
SFS4-14972		3.76	
SFS4-14975		2.4	
SFS4-14957	9.27	3.43	
SFS4-15639		4.8	
SFS4-15643		3.46	
SFS4-15646		2.25	
SFS4-15593		2.77	
SFS4-15594		3.57	
SFS4-15596	5.77	2.12	
SFS4-15597		2.37	
SFS4-15599		2.34	
SFS4-15659		3.62	
SFS4-15661		3.56	
SFS4-15662		2.69	
SFS4-15649		4.59	
SFS4-15650		3.53	
SFS4-14065		3.19	
SFS4-15396		5.65	
SFS4-15403		2.97	
SFS4-15406	9.33	3.41	
SFS4-15407		3.47	
SFS4-15409		3.65	
SFS4-	5.84	2.17	

15410			
SFS4-15413		2.44	
SFS4-14875		2.82	
SFS4-14917		4.72	
SFS4-14919		3.33	
SFS4-14920		2.63	
SFS4-14921		2.5	
SFS4-14883		3.93	
SFS4-14885		4.17	
SFS4-14886		2.95	
SFS4-14887		2.48	
SFS4-14888		2.41	
SFS4-14889		3.44	
SFS4-14890	6.29	2.61	
SFS4-14891	5.72	2.27	
SFS4-14892		2.61	
SFS4-14894		2.79	
SFS4-14897		3.92	
SFS4-14901		3.14	
SFS4-14903		2.86	
SFS4-14905		2.36	
SFS4-15677		3.37	
SFS4-15678		2.6	
SFS4-15679		3.59	
SFS4-15682		2.72	

SFS4-15637		2.57	
SFS4-15638		2.41	
SFS4-15667		3.36	
SFS4-15668		2.48	
SFS4-15670		2.66	
SFS4-15671		2.27	
SFS4-15674		3.3	
SFS4-15675		2.49	
SFS4-15631		2.47	
SFS4-15420		3.52	
SFS4-15421	9.54	3.81	
SFS4-15425	6.20	2.35	
SFS4-15427		3.86	
SFS4-15428		2.64	
SFS4-15430		3.3	
SFS4-15431		2.77	
SFS4-15432		3.5	
SFS4-15435		2.37	
SFS4-15436		1.98	
unprov SFS4-15127		3.76	
SFS4-15129		2.62	
SFS4-15130		2.00	
SFS4-15131		3.51	
SFS4-15138		2.65	
SFS4-		3.41	

		15140			
		SFS4-15141		3.51	
		SFS4-15143		2.28	
cod	main shell midden	SFS4-15263		5.17	
		SFS4-15529		4.80	
		SFS4-15533	10.82	5.12	
		SFS4-15381		4.17	
		SFS4-15378	9.89	4.30	
		SFS4-15323		5.16	
	shell midden	SFS4-14611		4.76	
	topsoil	SFS4-13924	10.20	4.53	
		SFS4-14024	11.96	5.19	
cod, saithe or pollack	main shell midden	SFS4-15282		3.59	
		SFS4-15360	11.28	4.82	
		SFS4-14015		2.47	
		SFS4-15374		3.60	
		SFS4-15332		4.30	
	topsoil	SFS4-15116		2.35	
		SFS4-14033	5.86	2.30	
		SFS4-15168		4.00	
		SFS4-14679		4.69	
		SFS4-15388		3.52	
		SFS4-15401		3.39	
		SFS4-15402		3.98	
		SFS4-15408		3.48	

			SFS4-14914		2.34	
			SFS4-15433	7.62	3.18	
	haddock	main shell midden	SFS4-14158		3.69	
	poor cod		SFS4-14809	8.34	4.38	
			SFS4-14810	8.24	4.15	
			SFS4-11584		4.37	
	cod family		SFS4-13902		3.06	
			SFS4-15284		3.56	
			SFS4-15285	9.68	3.56	
			SFS4-15286		3.38	
			SFS4-15287		3.42	
			SFS4-15288	6.16	2.34	
			SFS4-15289		2.12	
			SFS4-15290		2.24	
			SFS4-14163		2.57	
		SFS4-15350		2.43		
		organic rich layer	SFS4-14673		2.08	
premaxilla	saithe	main shell midden	SFS4-1030	3.53		3.76
			SFS4-1031	2.41		3.02
			SFS4-1032	4.05		
			SFS4-1035	4.39		
			SFS4-1036	3.5		4.43
			SFS4-1037	3.19		4.05
			SFS4-1039	3.79		4.41
			SFS4-	7.43		

	7203		
	SFS4-16189	2.93	
	SFS4-593	2.39	
	SFS4-891	2.72	4.13
	SFS4-12184	4.05	
	SFS4-7306	2.6	
	SFS4-6143	3.41	
	SFS4-13373	2.62	
	SFS4-1673	3.43	
	SFS4-7416		4.43
	SFS4-7417	2.02	2.87
	SFS4-6885	3.77	
	SFS4-6910	3.42	
	SFS4-6911	3.08	
	SFS4-7052	3.16	
sandy soil	SFS4-7631	2.41	3.83
topsoil	SFS4-6738	2.45	
	SFS4-6739	2.42	
	SFS4-6740	2.58	
	SFS4-6132	5.25	
	SFS4-7155	2.91	
	SFS4-7482	2.78	
	SFS4-6156	4.13	
	SFS4-13295	2.98	
	SFS4-13220	3.24	4.37
	SFS4-13130	3.05	

pollack	main shell midden	SFS4-1038	2.78			
		SFS4-1040	3.79			
		SFS4-15750	5.13			
		SFS4-888	3.5			
		SFS4-889	3.4		4.02	
		SFS4-890	2.45		1.58	
		SFS4-2631	2.55			
		SFS4-2924	3.66		4.47	
saithe or pollack		SFS4-592	3.3		4.40	
		SFS4-595	1.82		4.35	
		SFS4-598	2.04			
		SFS4-12234	2.92			
		SFS4-12350	2.81			
		SFS4-2690	2.36		3.60	
		SFS4-1220	3.24		3.60	
		SFS4-12961	3.30			
		organic rich layer	SFS4-2393	3.35		4.34
		topsoil	SFS4-16093	3.7		
			SFS4-16073	3.05		
SFS4-7709	3.09					
SFS4-13242	2.90					
SFS4-12911	3.27					
cod	main shell midden	SFS4-1029	3.01		2.34	
		SFS4-887	3.71		3.15	
		SFS4-766	4.55			
		SFS4-2912	4.2		4.91	
	sandy soil	SFS4-7783	4.41			
cod, saithe or pollack	main shell midden	SFS4-596	1.78			
		SFS4-886	4.42			

		SFS4-7305	3.68		
		SFS4-1607	3.05		3.48
		SFS4-2847	2.90		
		SFS4-15704	3.70		
	sandy soil	SFS4-7782	2.75		
		SFS4-7632	2.93		
whiting	main shell midden	SFS4-1761	2.42		3.7
cod family		SFS4-600	0.93		
		SFS4-706	3.51		
		SFS4-770	4.18		
		SFS4-2880	4.23		
corkwing		SFS4-591	2.65		
ballan wrasse		SFS4-15833	3.88		
		SFS4-901	7.23		
		SFS4-1619	3.58		
		sandy soil	SFS4-6310	6.09	28.46
wrasse family	main shell midden	SFS4-1272	2.20	8.42	6.07
		SFS4-986	3.07		
		SFS4-1581	3.22		
		SFS4-1582	3.53	17.38	11.37
		SFS4-6045	2.42	9.62	
		SFS4-1741	4.15		
		SFS4-1118	3.72		
		SFS4-1082	5.07		
		SFS4-1542	3.09		
		SFS4-1301	12.47		
		topsoil	SFS4-16212	2.34	
saithe	main shell	SFS4-	4.09		

quadrate

	midden	7206				
		SFS4-12177	3.29			
		SFS4-7312	3.96			
		SFS4-6148	3.25			
		SFS4-15783	4.26			
		SFS4-7368	3.84			
		SFS4-6909	2.29			
		SFS4-7069	2.09			
		topsoil	SFS4-6697	3.57		
			SFS4-7193	6.13		
			SFS4-7134	3.75		
			SFS4-6129	3.07		
			SFS4-6130	3.61		
			SFS4-6155	4.09		
			SFS4-6167	2.92		
			SFS4-6578	2.51		
pollack			main shell midden	SFS4-2767	3.20	
cod	SFS4-7201	10.05				
	SFS4-12415	3.67				
	SFS4-7311	2.76				
	topsoil	SFS4-16034	5.28			
		SFS4-13716	3.23			
cod, saithe or pollack	topsoil	SFS4-7763	2.90			
	main shell midden	SFS4-16344	2.69			
cod family		SFS4-6141	2.6			

		SFS4-6149	3.99			
	topsoil	SFS4-6826	2.22			
corkwing	main shell midden	SFS4-1369	2.04			
		SFS4-1720	2.42			
ballan wrasse		SFS4-12230	4.62			
		SFS4-12231	4.96			
		SFS4-6200	6.77			
		SFS4-16200	4.87			
		SFS4-2804	6.20			
		SFS4-12734	3.96			
		SFS4-12319	5.99			
		SFS4-6673	3.32			
		SFS4-1063	4.83			
		SFS4-12967	3.70			
		SFS4-7097	5.81			
		shell midden	SFS4-6236	4.42		
		organic rich layer	SFS4-2219	4.70		
		topsoil	SFS4-6719	3.85		
		SFS4-6720	3.67			
ballan or cuckoo wrasse	main shell midden	SFS4-12315	2.11			
wrasse family			SFS4-1278	4.65		
			SFS4-605	3.71		
			SFS4-11989	2.30		
			SFS4-2854	4.22		
			SFS4-12203	2.59		

			SFS4-6201	2.26		
			SFS4-7252	2.20		
			SFS4-7666	2.31		
			SFS4-11880	3.31		
			SFS4-11899	2.65		
			SFS4-1606	2.05		
			SFS4-1287	4.18		
			SFS4-1245	4.11		
			SFS4-1117	3.59		
			SFS4-1143	3.08		
			SFS4-1505	2.88		
			SFS4-12312	3.03		
			SFS4-12314	2.52		
			SFS4-1348	3.15		
			SFS4-2873	3.66		
		shell midden	SFS4-7594	3.5		
		organic rich layer	SFS4-2244	3.53		
			SFS4-2158	2.88		
		sandy soil	SFS4-6249	3.08		
			SFS4-6291	1.63		
		topsoil	SFS4-6700	4.75		
			SFS4-12960	2.37		
			SFS4-6230	2.47		
			SFS4-6205	3.06		
scapula	ballan wrasse	main shell	SFS4-	2.61		

	midden	12322		
ballan or cuckoo wrasse		SFS4-12245	2.17	
		SFS4-12196	2.04	
wrasse family		SFS4-12342	2.36	
		SFS4-13378	1.58	
		SFS4-12356	2.06	
		SFS4-7396	1.53	
		SFS4-6182	1.74	
	sandy soil	SFS4-7819	2.05	
		SFS4-6277	1.92	
	topsoil	SFS4-7712	1.54	

Fish QC1 and QC4 element measurements

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