

First description of a glass sponge reef soundscape reveals fish calls and elevated sound pressure levels

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Table S1. The date, time, and characteristics of each fish call detected at each location.

Sound type	Date	Time (HH:MM:SS)	Low Freq (Hz)	Peak Freq (Hz)	High Freq (Hz)	Duration (s)
<i>Reef-center</i>						
Grunt	September 30 2016	21:55:34	42.4	64.5	425.1	0.305
Grunt	September 30 2016	21:55:34	34.7	35.2	495.3	0.402
Grunt	October 1 2016	00:55:32	47.3	52.7	572.4	0.307
Knock	October 1 2016	00:55:32	67.4	269.5	635.1	0.118
Grunt	October 1 2016	00:55:32	39.3	64.5	572.2	0.377
Knock	October 1 2016	00:55:32	53.8	58.6	632.9	0.142
Knock	October 1 2016	00:55:32	51	269.5	762.5	0.154
Knock	October 1 2016	00:55:32	37.4	41	642.5	0.255
Knock	October 1 2016	00:55:32	42.7	64.5	602.5	0.227
Grunt	October 1 2016	18:55:23	31.7	457	607.2	0.485
Grunt	October 1 2016	18:55:23	31.5	58.6	929.7	0.363
Knock	October 1 2016	18:55:23	44.9	70.3	689.5	0.242
Knock	October 1 2016	18:55:23	40.2	41	657.6	0.157
Grunt	October 1 2016	21:55:21	39.3	41	281.3	0.364
Grunt	October 1 2016	21:55:21	41.3	269.5	618.2	0.411
Grunt	October 1 2016	21:55:21	43.3	76.2	647	0.464
Knock	October 2 2016	00:55:20	53.1	58.6	719.9	0.294
Grunt	October 2 2016	00:55:20	43.3	76.2	690.7	0.326
Grunt	October 2 2016	03:55:17	43.3	64.5	565.3	0.261
Grunt	October 2 2016	03:55:17	51.2	451.2	564.2	0.298
Knock	October 2 2016	18:55:11	29.5	462.9	680.6	0.575
Grunt	October 2 2016	21:55:10	39.3	41	631.4	0.516
Knock	October 3 2016	00:55:09	51.1	52.7	519.3	0.143
Knock	October 3 2016	00:55:09	47.2	457	556.6	0.15
Knock	October 3 2016	00:55:09	51.1	93.8	513.4	0.124
Grunt	October 3 2016	00:55:09	47.2	64.5	657	0.385
Grunt	October 3 2016	00:55:09	39.3	41	747.4	0.509
Grunt	October 3 2016	00:55:09	33.4	41	712	0.338
Grunt	October 3 2016	03:55:08	51.1	70.3	694.3	0.353
Knock	October 3 2016	03:55:08	94	210.9	681.6	0.693
Knock	October 3 2016	03:55:08	60.7	222.7	315.4	0.267

Sound type	Date	Time (HH:MM:SS)	Low Freq (Hz)	Peak Freq (Hz)	High Freq (Hz)	Duration (s)
Knock	October 3 2016	03:55:08	90.1	222.7	583.7	0.693
Knock	October 3 2016	03:55:08	60.7	410.2	581.7	0.693
Grunt	October 3 2016	06:55:06	37.8	64.5	1248.5	0.379
Knock	October 3 2016	06:55:06	47	316.4	756.1	0.693
Grunt	October 3 2016	06:55:06	47	585.9	1151.7	0.372
Knock	October 3 2016	06:55:06	62.7	199.2	1061.6	0.693
Knock	October 3 2016	06:55:06	61.5	345.7	759.3	0.98
Knock	October 3 2016	06:55:06	68.6	457	1480.8	0.19
Knock	October 3 2016	06:55:06	165.6	550.8	687.2	0.927
Knock	October 3 2016	06:55:06	283.9	486.3	917.8	0.189
<i>Reef-margin</i>						
Knock	September 28 2016	15:56:22	95.2	146.5	579.2	0.166
Knock	September 28 2016	15:56:22	37	41	466.1	0.15
Knock	September 28 2016	15:56:22	43.6	46.9	390.7	0.138
Knock	September 28 2016	15:56:22	45	46.9	276.9	0.089
Knock	September 28 2016	15:56:22	54.6	199.2	469.9	0.099
Knock	September 28 2016	15:56:22	56.7	175.8	393.2	0.108
Knock	September 28 2016	15:56:22	48.7	492.2	696.1	0.204
Knock	September 28 2016	15:56:22	103.7	316.4	440.1	0.103
Knock	September 28 2016	15:56:22	72.4	240.2	338.4	0.123
Grunt	September 28 2016	15:56:22	43	46.9	451.8	0.152
Knock	September 28 2016	15:56:22	64.5	105.5	313	0.094
Grunt	September 28 2016	15:56:22	35.2	275.4	690.5	0.163
Grunt	September 28 2016	15:56:22	39.7	70.3	674.1	0.182
Grunt	September 28 2016	15:56:22	57.6	70.3	570.4	0.149
Knock	September 28 2016	15:56:22	69.1	298.8	587.7	0.06
Grunt	September 28 2016	15:56:22	51.9	70.3	518.5	0.468
Knock	September 28 2016	15:56:22	106.6	140.6	720.2	0.056
Knock	September 28 2016	15:56:22	60.5	158.2	835.4	0.094
Grunt	September 28 2016	15:56:22	49	175.8	665.4	0.076
Knock	September 28 2016	15:56:22	69.1	246.1	561.7	0.057
Knock	September 28 2016	15:56:22	108.4	404.3	585.8	0.137
Knock	September 28 2016	15:56:22	164.2	404.3	651	0.114
Knock	September 28 2016	18:56:16	90.8	216.8	594.6	0.103
Grunt	September 28 2016	18:56:16	41	128.9	301.7	0.395
Knock	September 28 2016	18:56:16	220.9	474.6	1396.3	0.177
Knock	September 28 2016	18:56:16	233.4	521.5	950.4	0.161
Knock	September 28 2016	18:56:16	195.9	656.2	1563.1	0.171
Knock	September 29 2016	00:56:09	70.3	152.3	522.9	0.113
Grunt	September 29 2016	00:56:09	137.8	380.9	790	0.653
Knock	September 29 2016	03:56:08	120.9	474.6	632.5	0.137
Grunt	September 29 2016	03:56:08	46.8	76.2	570.7	0.315
Knock	September 29 2016	03:56:08	87.1	468.8	587.6	0.065
Grunt	September 29 2016	03:56:08	95.6	462.9	494.8	0.202
Knock	September 29 2016	03:56:08	95.6	263.7	1124.5	0.113
Grunt	September 29 2016	03:56:08	101.2	263.7	764.7	0.2
Knock	September 29 2016	03:56:08	109.6	357.4	730.9	0.105

Sound type	Date	Time (HH:MM:SS)	Low Freq (Hz)	Peak Freq (Hz)	High Freq (Hz)	Duration (s)
Knock	September 29 2016	03:56:08	146.2	199.2	736.5	0.105
Knock	September 29 2016	03:56:08	134.9	187.5	312	0.089
Knock	September 29 2016	06:56:07	506	568.4	1270.7	0.103
Grunt	September 29 2016	15:56:02	43.8	216.8	1099.6	0.305
Grunt	September 29 2016	15:56:02	113.8	404.3	1125.8	0.275
Grunt	September 29 2016	15:56:02	90.4	152.3	1184.2	0.267
Knock	September 29 2016	21:56:00	49.7	216.8	748.2	0.064
Knock	September 29 2016	21:56:00	58.5	146.5	920.7	0.129
Knock	September 30 2016	00:55:59	55.5	398.4	675.2	0.118
Grunt	September 30 2016	03:55:57	38	140.6	543.6	0.331
Knock	September 30 2016	06:55:56	67.2	87.9	1286	0.129
Knock	September 30 2016	09:55:54	116.9	128.9	1201.3	0.194
Knock	September 30 2016	12:55:53	70.1	111.3	806.7	0.103
Knock	September 30 2016	12:55:53	61.4	82	663.5	0.081
Knock	September 30 2016	12:55:53	102.3	187.5	593.3	0.09
Knock	September 30 2016	12:55:53	84.8	87.9	721.9	0.089
Knock	September 30 2016	12:55:53	70.1	111.3	698.5	0.097
Knock	September 30 2016	12:55:53	53.7	82	655.1	0.085
Knock	September 30 2016	12:55:53	64.3	82	645.9	0.073
Knock	September 30 2016	12:55:53	43.8	52.7	681	0.081
Grunt	September 30 2016	15:55:52	49.7	70.3	605	0.274
Knock	September 30 2016	15:55:52	46.8	46.9	584.6	0.121
Knock	September 30 2016	15:55:52	35.1	64.5	526.1	0.089
Knock	September 30 2016	15:55:52	39	410.2	622.5	0.084
Knock	September 30 2016	15:55:52	43.8	410.2	613.8	0.087
Knock	September 30 2016	15:55:52	49.7	404.3	514.4	0.074
Knock	September 30 2016	15:55:52	52.6	140.6	657.6	0.089
Knock	September 30 2016	15:55:52	35.1	404.3	561.2	0.09
Knock	September 30 2016	15:55:52	58.5	410.2	514.4	0.085
Knock	September 30 2016	15:55:52	46.8	410.2	479.3	0.094
Knock	September 30 2016	15:55:52	49.7	404.3	429.6	0.053
Grunt	September 30 2016	15:55:52	29.2	146.5	581.6	0.37
Knock	September 30 2016	15:55:52	40.9	240.2	660.5	0.105
Knock	September 30 2016	15:55:52	99.4	169.9	979.1	0.137
Grunt	September 30 2016	15:55:52	38	64.5	669.3	0.313
Knock	October 1 2016	12:55:42	33.5	41	504.8	0.103
Knock	October 1 2016	12:55:42	61.4	64.5	343	0.103
Knock	October 1 2016	12:55:42	58.6	64.5	393.2	0.089
Knock	October 1 2016	12:55:42	44.6	46.9	415.5	0.089
Grunt	October 1 2016	15:55:41	41.8	82	663.7	0.557
Knock	October 1 2016	15:55:41	114.3	169.9	563.3	0.065
Grunt	October 1 2016	15:55:41	41.8	64.5	521.5	0.339
Grunt	October 1 2016	18:55:40	41.8	52.7	677.7	0.411
Knock	October 1 2016	21:55:38	39	41	674.9	0.105
Knock	October 2 2016	00:55:36	40.9	93.8	686.1	0.132
Knock	October 2 2016	00:55:36	44.6	187.5	925.9	0.081
Knock	October 2 2016	03:55:34	33.1	41	566.1	0.089

Sound type	Date	Time (HH:MM:SS)	Low Freq (Hz)	Peak Freq (Hz)	High Freq (Hz)	Duration (s)
Knock	October 2 2016	03:55:34	33.5	41	647	0.065
Grunt	October 2 2016	03:55:34	39	41	886.9	0.161
Grunt	October 2 2016	03:55:34	41.8	70.3	563.3	0.242
Grunt	October 2 2016	03:55:34	46.8	70.3	652.6	0.345
Grunt	October 2 2016	06:55:32	39	64.5	633.1	0.339
Grunt	October 2 2016	06:55:32	58.6	158.2	493.6	0.557
Knock	October 2 2016	06:55:32	42.9	76.2	594	0.1
Knock	October 2 2016	06:55:32	150.6	210.9	635.9	0.064
Grunt	October 2 2016	06:55:32	50.2	70.3	591.2	0.586
Knock	October 2 2016	06:55:32	192.4	357.4	602.4	0.103
Grunt	October 2 2016	06:55:32	47.4	58.6	382.1	0.653
Knock	October 2 2016	06:55:32	53	70.3	529.9	0.073
Knock	October 2 2016	06:55:32	75.3	76.2	555	0.105
Knock	October 2 2016	06:55:32	78.1	246.1	468.5	0.097
Knock	October 2 2016	06:55:32	58.6	357.4	482.5	0.097
Knock	October 2 2016	06:55:32	69.7	99.6	507.6	0.105
Knock	October 2 2016	06:55:32	128.3	228.5	421.1	0.056
Knock	October 2 2016	06:55:32	75.3	111.3	471.3	0.073
Knock	October 2 2016	12:55:29	195	240.2	845.6	0.099
Grunt	October 2 2016	15:55:27	42	76.2	484.4	0.468
Grunt	October 2 2016	15:55:27	44.8	58.6	428.4	0.524
Knock	October 2 2016	15:55:27	148.4	175.8	571.2	0.089
Knock	October 2 2016	15:55:27	112	146.5	593.6	0.137
Knock	October 2 2016	15:55:27	64.3	64.5	607.6	0.103
Knock	October 2 2016	15:55:27	115	205.1	683.2	0.125
Knock	October 2 2016	15:55:27	50.7	52.7	621.6	0.103
Knock	October 2 2016	15:55:27	81.2	175.8	753.2	0.105
Knock	October 2 2016	15:55:27	50.4	58.6	669.2	0.113
Knock	October 2 2016	15:55:27	98	193.4	688.8	0.105
Knock	October 2 2016	15:55:27	112	275.4	361.2	0.169
Grunt	October 2 2016	15:55:27	42	52.7	490	0.395
Grunt	October 2 2016	15:55:27	33.6	41	436.8	0.411
Grunt	October 2 2016	15:55:27	81.2	123	607.6	0.484
Grunt	October 2 2016	15:55:27	39.2	58.6	526.4	0.395
Grunt	October 2 2016	15:55:27	39.2	64.5	333.2	0.476
Grunt	October 2 2016	15:55:27	72.1	76.2	683.2	0.621
Knock	October 2 2016	15:55:27	182	404.3	453.6	0.113
<i>Off-reef</i>						
Knock	September 29 2016	17:14:23	31.2	35.2	500.2	0.113
Knock	September 30 2016	02:14:09	60.6	87.9	521.2	0.09
Knock	September 30 2016	08:14:01	62.3	87.9	790.5	0.105
Knock	October 1 2016	02:13:52	27.5	29.3	796.1	0.088
Knock	October 1 2016	02:13:52	62.3	222.7	1098	0.094
Knock	October 1 2016	23:13:46	32.9	41	477.6	0.163
Knock	October 1 2016	23:13:46	33.1	35.2	553.4	0.105