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Supplementary Material 1

Fish assemblages along the coasts of Tunisia: a baseline study to assess the effectiveness of future Marine Protected Areas

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Mean densities (individual/m²), per location with trophic category (Troph), (se: standard error) and Tunisian commercial interest description for each species (PLA: Planktivore, SCCB: Small Carnivore Cryptobenthic, LP: Large Predator, INV1: invertivore 1, INV2: Invertivore 2, SP: Small Predator, HERB: Herbivore, Nc: No commercial interest, Lc: Low commercial interest, Hc: High commercial interest, T: transect type (A: 25x5m, B:35x10m; C: 10x1m))

Family	Species	Kuriat	se	Cap Negro-Cap Serrat	se	Tabarka	se	Troph	Commercial interest	T
Apogonidae	<i>Apogon imberbis</i>	0.0106	0.0111	0.0028	0.0003	0.0078	0.0028	PLA	Nc	A
Atherinidae	<i>Atherina boyeri</i>	0.0244	0.0423	1.5277	0.1964	0.2860	0.4954	PLA	Lc	A
Blennidae	<i>Parablennius rouxi</i>	0.0037	0.0064	0	0	0.0240	0.0416	SCCB	Nc	C
	<i>Parablennius pilicornis</i>	0.1129	0.1956	0.0055	0.0078	0.0962	0.1667	SCCB	Nc	C
Carangidae	<i>Lichia amia</i>	0	0	0	0	0.0010	0.0017	LP	Hc	B
	<i>Seriola dumerili</i>	0	0	0	0	0.0002	0.0005	LP	Hc	B
Dasyatidae	<i>Dasyatis pastinaca</i>	0.0045	0.0079	0	0	0.0007	0.0012	LP	Hc	B
Gobiidae	<i>Gobius spp.</i>	0.0055	0.0096	0.0194	0.0274	0.0092	0.0160	SCCB	Nc	C
	<i>Gobius niger</i>	0.0001	0.0002	0	0	0	0	SCCB	Nc	C
Labridae	<i>Coris julis</i>	0.4082	0.3601	0.3401	0.4483	0.6240	0.5948	INV1	Lc	A
	<i>Labrus merula</i>	0.0017	0.0019	0.0055	0.0003	0.0031	0.0023	INV2	Lc	A
	<i>Labrus viridis</i>	0.0302	0.0494	0.0008	0.0006	0.006	0.0064	INV2	Lc	A
	<i>Symphodus cinereus</i>	0	0	0	0	0.0075	0.0127	INV2	Lc	A
	<i>Symphodus doderleini</i>	0.0202	0.0256	0	0	0.0074	0.0128	INV2	Lc	A
	<i>Symphodus mediterraneus</i>	0.0379	0.0543	0.0017	0.0018	0.0143	0.0095	INV2	Lc	A
	<i>Symphodus melops</i>	0	0	0	0	0.0007	0.0009	INV2	Lc	A
	<i>Symphodus ocellatus</i>	0.0137	0.0093	0.0015	0.0003	0.0231	0.0160	INV2	Lc	A
	<i>Symphodus roissali</i>	0.0097	0.0099	0.0196	0.0183	0.0202	0.0156	INV2	Lc	A
	<i>Symphodus rostratus</i>	0.0008	0.0008	0.0057	0.0006	0.0034	0.0029	INV2	Lc	A
Labridae	<i>Symphodus tinca</i>	0.0302	0.0193	0.0233	0.0009	0.0368	0.0248	INV2	Lc	A
	<i>Thalassoma pavo</i>	0.0863	0.0999	0.0806	0.0901	0.1296	0.1073	INV2	Lc	A
Mullidae	<i>Mullus surmuletus</i>	0.0080	0.0043	0.0020	0.0015	0.0032	0.0013	INV2	Hc	A
Muraenidae	<i>Muraena helena</i>	0.0005	0.0010	0	0	0.0005	0.0005	LP	Lc	B
Pomacentridae	<i>Chromis chromis</i>	1.6448	1.2539	2.2295	2.5037	1.6164	1.1357	PLA	Nc	A
Rhinobatidae	<i>Rhinobatos rhinobatos</i>	0.0069	0.0120	0	0	0	0	LP	Hc	B
Serranidae	<i>Epinephelus costae</i>	0.0023	0.0027	0.0011	0.0015	0.0045	0.0016	LP	Hc	B
	<i>Epinephelus marginatus</i>	0.0032	0.0014	0.0011	0.0015	0.0004	0.0004	LP	Hc	B
	<i>Mycteroperca rubra</i>	0.0228	0.0387	0	0	0.0419	0.0726	LP	Hc	B
	<i>Serranus cabrilla</i>	0.0149	0.0137	0.0013	0.0006	0.0096	0.0090	SP	Lc	A
	<i>Serranus scriba</i>	0.0100	0.0099	0.0120	0.0018	0.0192	0.0015	SP	Lc	A
Sciaenidae	<i>Sciaena umbra</i>	0.0088	0.0135	0.0011	0.0009	0.0077	0.0125	LP	Hc	B
Scorpenidae	<i>Scorpaena scrofa</i>	0.0074	0.0064	0.0027	0.0039	0.0018	0.0032	SP	Hc	C
	<i>Scorpaena notata</i>	0.0005	0.0010	0	0	0.0037	0.0032	SP	Lc	C

	<i>Dentex dentex</i>	0.0025	0.0030	0.0052	0.0067	0.0001	0.0002	LP	Hc	B
	<i>Diplodus annularis</i>	0.1294	0.0336	0.1158	0.0300	0.0704	0.0662	INV2	Lc	A
	<i>Diplodus cervinus</i>	0.0016	0.0028	0	0	0.0020	0.0028	INV2	Hc	A
	<i>Diplodus puntazzo</i>	0.0053	0.0040	0.0142	0.0175	0.0096	0.0113	INV2	Hc	A
	<i>Diplodus sargus</i>	0.0225	0.0179	0.0515	0.0018	0.0257	0.0117	INV1	Hc	A
	<i>Diplodus vulgaris</i>	0.0829	0.0295	0.1387	0.1227	0.1023	0.0353	INV1	Hc	A
Sparidae	<i>Boops boops</i>	0.1058	0.1230	1.5277	0.1964	0.0342	0.0550	PLA	Lc	A
	<i>Oblada melanura</i>	0.1131	0.0997	0.1004	0.0062	0.0768	0.0500	PLA	Lc	A
	<i>Sarpa salpa</i>	0.1362	0.0534	0.0973	0.0125	0.1102	0.0610	HERB	Lc	A
	<i>Sparus aurata</i>	0.0048	0.0031	0	0	0.0008	0.0011	INV1	Hc	A
	<i>Spicara maena</i>	0.1152	0.1064	0.1857	0.0207	0.0029	0.0051	PLA	Lc	A
	<i>Spicara smaris</i>	0.1277	0.1723	0.0071	0.0100	0.0035	0.0047	PLA	Lc	A
	<i>Spondylisoma cantharus</i>	0.0600	0.0440	0.1047	0.1431	0.0035	0.0061	INV2	Lc	A
Sphyraenidae	<i>Sphyraena spp.</i>	0.0262	0.0454	0	0	0.0069	0.0112	LP	Hc	B
Tripterigidae	<i>Tripterigion delaisi</i>	0.0018	0.0032	0.0027	0.0039	0.0425	0.0325	SCCB	Ne	C
	<i>Tripterigion tripteronotus</i>	0.0037	0.0064	0.0027	0.0039	0.0406	0.0705	SCCB	Ne	C

Supplementary Material 2

Number of individuals for commercially relevant species as the total number in the three years per location in un-protected and future protected areas.

Zone	Un-protected			Future protected			
	Location	Kuriat	Cap Negro-Cap Serrat	Tabarka	Kuriat	Cap Negro-Cap Serrat	Tabarka
	<i>Coris julis</i>	119	98	316	286	110	320
	<i>Dentex dentex</i>	1	11	1	5	1	0
	<i>Diplodus annularis</i>	57	46	104	184	73	130
	<i>Diplodus puntazzo</i>	3	4	26	33	60	39
	<i>Diplodus sargus</i>	9	66	53	109	168	121
	<i>Diplodus vulgaris</i>	60	154	185	155	102	506
	<i>Epinephelus costae</i>	1	4	0	15	1	19
	<i>Epinephelus marginatus</i>	0	5	1	22	0	2
	<i>Mullus surmuletus</i>	18	0	13	36	9	9
	<i>Sciaena umbra</i>	0	3	2	14	2	4
	<i>Serranus cabrilla</i>	9	3	23	46	3	42
	<i>Sparus aurata</i>	1	0	6	20	0	0