

## A natural population of the European flat oyster (*Ostrea edulis* Linnaeus, 1758) in the northern Adriatic Sea: Changes over time and restoration potential

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Mediterranean Marine Science, 27 (2) 2026



**Fig. S1:** (A) Fishing zones in the eastern Adriatic Sea. (B) Fishing zones in which beam-trawl fishing is permitted (shown in green); however, according to Ezgeta Balić *et al.* (2021), beam-trawl fisheries are conducted almost exclusively in fishing zone A and only sporadically in zone H. Original map source: *Official Gazette 144/2005 Pravilnik o granicama u ribolovnom moru Republike Hrvatske.*

**Table S1.** List of macrobenthos species found in discard subsamples from the 10 analysed stations during the 2024 survey.

<b>Echinodermata</b>	<b>Arthropoda</b>
<b>Asteroidea</b>	<b>Crustacea</b>
<i>Anseropoda placenta</i> (Pennant, 1777)	<i>Dromia personata</i> (Linnaeus, 1758)
<i>Astropecten aranciacus</i> (Linnaeus, 1758)	<i>Ethusa mascarone</i> (Herbst, 1785)
<i>Astropecten irregularis</i> (Pennant, 1777)	<i>Goneplax rhomboides</i> (Linnaeus, 1758)
<i>Echinaster (Echinaster) sepositus</i> (Retzius, 1783)	<i>Inachus</i> sp.
<i>Marthasterias glacialis</i> (Linnaeus, 1758)	<i>Liocarcinus depurator</i> (Linnaeus, 1758)
<b>Holothuroidea</b>	<i>Macropodia</i> sp.
<i>Holothuria forskali</i> Delle Chiaje, 1824	<i>Medorippe lanata</i> (Linnaeus, 1767)
<i>Holothuria tubulosa</i> Gmelin, 1791	<i>Paguristes eremita</i> (Linnaeus, 1767)
<i>Ocnus planci</i> (Brandt, 1835)	<i>Pagurus alatus</i> Fabricius, 1775
<i>Paraleptopentacta elongata</i> (Düben & Koren, 1846)	<i>Pagurus prideaux</i> Leach, 1815
<b>Echinoidea</b>	<i>Pilumnus spinifer</i> H. Milne Edwards, 1834
<i>Arbacia</i> sp.	<i>Pisa armata</i> (Latreille, 1803)
<i>Brissopsis lyrifera</i> (Forbes, 1841)	<b>Porifera</b>
<i>Psammechinus microtuberculatus</i> (Blainville, 1825)	<b>Demospongia</b>
<i>Sphaerechinus granularis</i> (Lamarck, 1816)	<i>Aplysina aerophoba</i> (Nardo, 1833)
<b>Ophiuroidea</b>	<i>Clathria (Clathria) coralloides</i> (Scopoli, 1772)
<i>Ophioderma longicaudum</i> (Bruzellius, 1805)	<i>Erylus discophorus</i> (Schmidt, 1862)
<i>Ophiothrix quinque maculata</i> (Delle Chiaje, 1828)	<i>Haliclona (Reniera) cinerea</i> (Grant, 1826)
<i>Ophiura ophiura</i> (Linnaeus, 1758)	<i>Pleraplysilla spinifera</i> (Schulze, 1879)
<b>Mollusca</b>	<i>Raspailia (Raspailia) viminalis</i> Schmidt, 1862
<b>Gastropoda</b>	<i>Spongia</i> spp.
<i>Aporrhais pespelecani</i> (Linnaeus, 1758)	<i>Spongia</i> spp.
<i>Diodora graeca</i> (Linnaeus, 1758)	<i>Suberites domuncula</i> (Olivi, 1792)
<i>Galeodea echinophora</i> (Linnaeus, 1758)	<i>Tedania (Tedania) anhelans</i> (Vio in Olivi, 1792)
<i>Hexaplex trunculus</i> (Linnaeus, 1758)	<i>Tethya aurantium</i> (Pallas, 1766)
<i>Nudibranchia</i> sp.	<b>Annelida</b>
<i>Nudibranchia</i> sp.	<b>Polychaeta</b>
<i>Pseudofusus rostratus</i> (Olivi, 1792)	<i>Aphrodita aculeata</i> Linnaeus, 1758
<i>Scaphander lignarius</i> (Linnaeus, 1758)	<b>Clitellata</b>
<i>Turritellinella tricarinata</i> (Brocchi, 1814)	<i>Pontobdella muricata</i> (Linnaeus, 1758)
<b>Bivalvia</b>	<b>Tunicata</b>
<i>Aequipecten opercularis</i> (Linnaeus, 1758)	<b>Ascidiacea</b>
<i>Anadara transversa</i> (Say, 1822)	<i>Aplidium conicum</i> (Olivi, 1792)
<i>Atrina fragilis</i> (Pennant, 1777)	<i>Ascidia mentula</i> Müller, 1776
<i>Flexopecten glaber</i> (Linnaeus, 1758)	<i>Ascidia</i> sp.
<i>Limaria tuberculata</i> (Olivi, 1792)	<i>Ascidia</i> sp.
<i>Mimachlamys varia</i> (Linnaeus, 1758)	<i>Botryllus schlosseri</i> (Pallas, 1766)
<i>Mytilus galloprovincialis</i> Lamarck, 1819	<i>Microcosmus vulgaris</i> Heller, 1877
<i>Pecten jacobaeus</i> (Linnaeus, 1758)	<i>Phallusia mammillata</i> (Cuvier, 1815)
<i>Pteria hirundo</i> (Linnaeus, 1758)	<b>Cnidaria</b>
<i>Varicorbula gibba</i> (Olivi, 1792)	<b>Anthozoa</b>
	<i>Alcyonium palmatum</i> Pallas, 1766

**Table S2.** Commercial fish, crustacean, and mollusc species caught across the entire survey area in the 2024 survey.

<b>Commercial catch</b>	<b>N (individuals)</b>	<b>Biomass (kg)</b>
<b>Fish species – Osteichthyans</b>		
<i>Chelidonichthys lucerna</i> (Linnaeus, 1758)	3	0.86
<i>Eutrigla gurnardus</i> (Linnaeus, 1758)	3	0.18
<i>Lophius budegassa</i> Spinola, 1807	1	0.34
<i>Merluccius merluccius</i> (Linnaeus, 1758)	8	3.18
<i>Scorpaena porcus</i> Linnaeus, 1758	3	0.40
<i>Solea solea</i> (Linnaeus, 1758)	143	23.40
<i>Trachinus draco</i> Linnaeus, 1758	2	0.23
<b>Fish species – Chondrichthyans</b>		
<i>Raja asterias</i> Delaroche, 1809	6	4.19
<b>Crustacean species</b>		
<i>Squilla mantis</i> (Linnaeus, 1758)	8	0.23
<b>Mollusc species</b>		
<i>Eledone moschata</i> (Lamarck, 1798)	13	2.70
<i>Rhombosipion elegans</i> (Blainville, 1827)	8	0.14
<i>Sepia officinalis</i> Linnaeus, 1758	3	0.65
<i>Pecten jacobaeus</i> (Linnaeus, 1758)	307	34.26
<b>Discard (by-catch species or below MCRS)</b>	<b>N (individuals)</b>	<b>Biomass (kg)</b>
<b>Fish species – Osteichthyans</b>		
<i>Arnoglossus laterna</i> (Walbaum, 1792)	1	0.01
<i>Blennius ocellaris</i> Linnaeus, 1758	4	0.12
<i>Eutrigla gurnardus</i> (Linnaeus, 1758)	1	0.04
<i>Gobius niger</i> Linnaeus, 1758	4	0.06
<i>Lesueurigobius friesii</i> (Malm, 1874)	1	0.01
<i>Lophius budegassa</i> Spinola, 1807	6	0.45
<i>Pagellus erythrinus</i> (Linnaeus, 1758)	2	0.03
<i>Scorpaena porcus</i> Linnaeus, 1758	2	0.16
<i>Serranus hepatus</i> (Linnaeus, 1758)	1	<0.01
<i>Trachinus draco</i> Linnaeus, 1758	2	0.11
<i>Uranoscopus scaber</i> Linnaeus, 1758	2	0.47
<b>Crustacean species</b>		
<i>Maja squinado</i> (Herbst, 1788)	1	0.15
<b>Mollusc species</b>		
<i>Pecten jacobaeus</i> (Linnaeus, 1758)	1595	40.76

MCRS – Minimum Conservation Reference Sizes.