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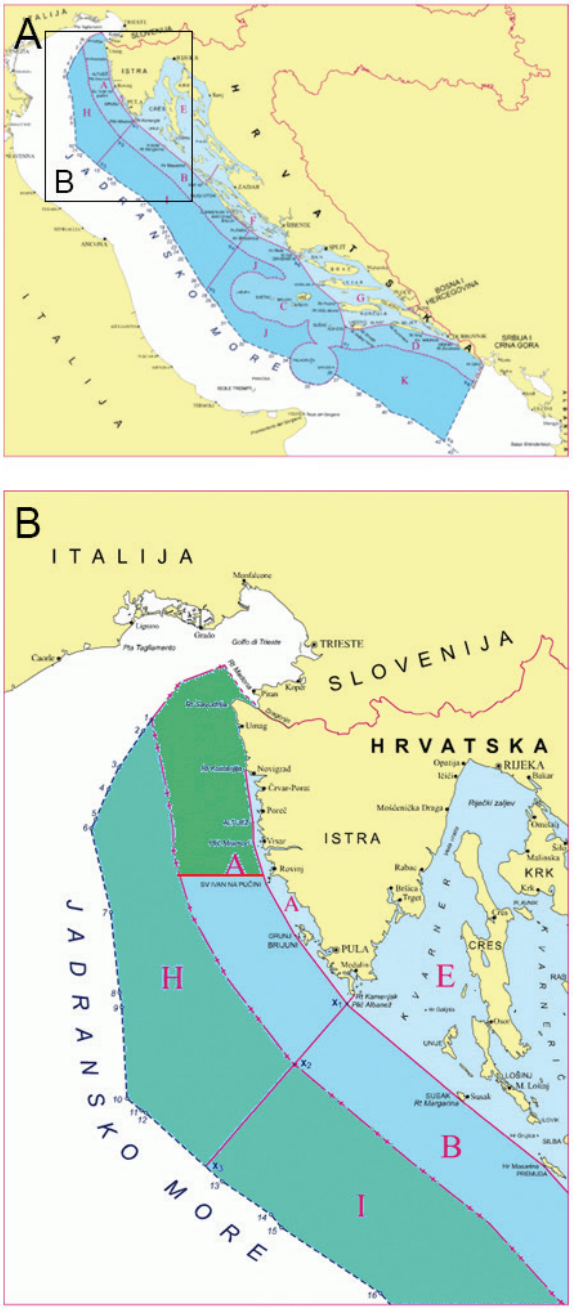

Fig. S1: (A) Fishing zones in the eastern Adriatic Sea. (B) Fishing zones in which beam-trawl fishing is permitted (shown in green); however, according to Ezgeta Balić *et al*. (2021), beam-trawl fisheries are conducted almost exclusively in fishing zone A and only sporadically in zone H. Original map 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.

Echinodermata
Asteroidea
Anseropoda placenta (Pennant, 1777)
Astropecten aranciacus (Linnaeus, 1758)
Astropecten irregularis (Pennant, 1777)
Echinaster (Echinaster) sepositus (Retzius, 1783)
Marthasterias glacialis (Linnaeus, 1758)
Holothuroidea
Holothuria forskali Delle Chiaje, 1824
Holothuria tubulosa Gmelin, 1791
Ocnus planci (Brandt, 1835)
Paraleptopentacta elongata (Düben & Koren, 1846)
Echinoidea
Arbacia sp.
Brissopsis lyrifera (Forbes, 1841)
Psammechinus microtuberculatus (Blainville, 1825)
Sphaerechinus granularis (Lamarck, 1816)
Ophiuroidea
Ophioderma longicaudum (Bruzelius, 1805)
Ophiothrix quinquemaculata (Delle Chiaje, 1828)
Ophiura ophiura (Linnaeus, 1758)

Mollusca
Gastropoda
Aporrhais pespelecani (Linnaeus, 1758)
Diodora graeca (Linnaeus, 1758)
Galeodea echinophora (Linnaeus, 1758)
Hexaplex trunculus (Linnaeus, 1758)
Nudibranchia sp.
Nudibranchia sp.
Pseudofusus rostratus (Olivi, 1792)
Scaphander lignarius (Linnaeus, 1758)
Turritellinella tricarinata (Brocchi, 1814)
Bivalvia
Aequipecten opercularis (Linnaeus, 1758)
Anadara transversa (Say, 1822)
Atrina fragilis (Pennant, 1777)
Flexopecten glaber (Linnaeus, 1758)
Limaria tuberculata (Olivi, 1792)
Mimachlamys varia (Linnaeus, 1758)
Mytilus galloprovincialis Lamarck, 1819
Pecten jacobaeus (Linnaeus, 1758)
Pteria hirundo (Linnaeus, 1758)
Varicorbula gibba (Olivi, 1792)

Arthropoda
Crustacea
Dromia personata (Linnaeus, 1758)
Ethusa mascarone (Herbst, 1785)
Goneplax rhomboides (Linnaeus, 1758)
Inachus sp.
Liocarcinus depurator (Linnaeus, 1758)
Macropodia sp.
Medorippe lanata (Linnaeus, 1767)
Paguristes eremita (Linnaeus, 1767)
Pagurus alatus Fabricius, 1775
Pagurus prideaux Leach, 1815
Pilumnus spinifer H. Milne Edwards, 1834
Pisa armata (Latreille, 1803)

Porifera
Demospongia
Aplysina aerophoba (Nardo, 1833)
Clathria (Clathria) coralloides (Scopoli, 1772)
Erylus discophorus (Schmidt, 1862)
Haliclona (Reniera) cinerea (Grant, 1826)
Pleraplysilla spinifera (Schulze, 1879)
Raspailia (Raspailia) viminalis Schmidt, 1862
Spongia spp.
Spongia spp.
Suberites domuncula (Olivi, 1792)
Tedania (Tedania) anhelans (Vio in Olivi, 1792)
Tethya aurantium (Pallas, 1766)

Annelida
Polychaeta
Aphrodita aculeata Linnaeus, 1758
Clitellata
Pontobdella muricata (Linnaeus, 1758)

Tunicata
Ascidiacea
Aplidium conicum (Olivi, 1792)
Ascidia mentula Müller, 1776
Ascidia sp.
Ascidia sp.
Botryllus schlosseri (Pallas, 1766)
Microcosmus vulgaris Heller, 1877
Phallusia mammillata (Cuvier, 1815)

Cnidaria
Anthozoa
Alcyonium palmatum Pallas, 1766

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

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

MCRS – Minimum Conservation Reference Sizes.