Fisheries Organization



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42nd ANNUAL MEETING OF NAFO - SEPTEMBER 2020

Recommendations from the WG-EAFFM

The NAFO Joint Fisheries Commission-Scientific Council Working Group on Ecosystem Approach Framework to Fisheries Management (WG-EAFFM) met via WebEx on 17–19 August 2020 (COM-SC Doc. 20-03) and agreed on the following recommendations:

The WG-EAFFM recommends that:

- 1. In relation to the re-assessment of VME closures, and acknowledging the Scientific Council advice regarding the status of VMEs, that all closures listed in Chapter 2, Article 17, "Area Restrictions for Bottom Fishing Activities" are rolled over for one year. Consequently,
 - a. Article 17.1 of the NAFO CEM should read: <u>Until 31 December 2020 2021</u>, no vessel shall engage in bottom fishing activities in any of the areas illustrated in Figure 3 and defined by connecting the following coordinates specified in Table 5 in numerical order and back to coordinate 1.
 - b. Article 17.2 of the NAFO CEM should read: <u>Until 31 December</u> 2020 2021, no vessel shall engage in bottom fishing activities in the area of Division 30 illustrated in Figure 4 and defined by connecting the coordinates specified in Table 6 in numerical order and back to coordinate 1.
 - c. Article 17.3 of the NAFO CEM should read: <u>Until 31 December 2020 2021</u>, no vessel shall engage in bottom fishing activities in the areas 1-13 illustrated in Figure 5 and defined by connecting the coordinates specified in Table 7 in numerical order and back to coordinate 1.
- 2. That Black Coral taxa (Antipatharia) are added to the VME indicator species list. Consequently, Annex IE, part VI of the NAFO CEM "List of VME Indicator Species" should be appropriately amended (see Annex 3).
- 3. In relation to the 2021 re-assessment of bottom fishing as well as the discussion on the VME fishery closures, that Commission requests Scientific Council provide input and analysis of potential management options, with the goal of supporting meaningful and effective discussions between scientists and managers at the 2021 WG-EAFFM meeting.
- 4. The Commission, through STACTIC, insert a footnote in Annex II.N Fishing Logbook Information by Haul of the NAFO CEM, to clarify and match the definition of Start and End time of fishing in Annex II.M (see Annex 4).
- 5. In relation to the Scientific Council's first recommendation with respect to COM request #5 and recognizing the limited nature of the 2020 virtual working group meeting, the Commission, through the WG-EAFFM, continue to consider this recommendations in 2021, and develop options of how ecosystem advice could inform management decisions, an issue which is directly linked to the results of the foreseen EAFM roadmap workshop.
- 6. Additionally, that the Commission request the Scientific Council to continue its work to develop models that support implementation of Tier 2 of the EAFM Roadmap.



- 7. In relation to the development of the ecosystem summary sheets, in particular consideration of non-fishery related activities, that the Commission requests Contracting Parties to proactively provide any relevant research to inform the Scientific Council's work, as well as identify scientific and management experts in non-fisheries related sectors to participate in Scientific Council and WG-EAFFM discussions. Further, that the Secretariat and the Scientific Council work with other international organizations, such as the FAO and ICES, to bring in additional expertise to inform the Scientific Council's work.
- 8. In relation to Chapter 2, Article 24 of the NAFO CEM, that STACTIC review the implementation of chapter 2, and suggest, as necessary, any revisions to WG-EAFFM with a view to improve the effectiveness of management measures. And that the Commission request the Scientific Council to also review the effectiveness of Chapter 2 from a scientific perspective and to report back at 2022 WG-EAFFM meeting. Consequently, Article 24 of the NAFO CEM should read: The provisions of this Chapter shall be reviewed by the Commission at its Annual Meeting no later than 2020 2022.



Annex 3. Revision to NAFO CEM Annex 1E, Table VI: List of VME Indicator Species

Common Name and FAO ASFIS 3- ALPHA CODE	Taxon	Family	FAO ASFIS 3- ALPHA CODE			
	Asconema foliatum	Rossellidae	ZBA			
	Aphrocallistes beatrix	Aphrocallistidae				
	Asbestopluma (Asbestopluma) ruetzleri	Cladorhizidae	ZAB (Asbestopluma)			
	Axinella sp.	Axinellidae				
	Chondrocladia grandis	Cladorhizidae	ZHD (Chondrocladia)			
	Cladorhiza abyssicola	Cladorhizidae	ZCH (Cladorhiza)			
	Cladorhiza	Cladorhizidae	ZCH (Cladorhiza)			
	kenchingtonae Craniella spp.	Tetillidae	ZCS (Craniella spp.)			
	Dictyaulus romani	Euplectellidae	ZDY (Dictyaulus)			
	Esperiopsis villosa	Esperiopsidae	ZEW			
	Forcepia spp.	Coelosphaeridae	ZFR			
	Geodia barrette	Geodiidae				
I C' 1	Geodia macandrewii	Geodiidae				
Large-Sized Sponges	Geodia parva	Geodiidae				
(PFR - Porifera)	Geodia phlegraei	Geodiidae				
	Haliclona sp.	Chalinidae	ZHL			
	Iophon piceum	Acarnidae	WJP			
	Isodictya palmata	Isodictyidae				
	Lissodendoryx (Lissodendoryx) complicata	Coelosphaeridae	ZDD			
	Mycale (Mycale) lingua	Mycalidae				
	Mycale (Mycale) loveni	Mycalidae				
	Phakellia sp.	Axinellidae				
	Polymastia spp.	Polymastiidae	ZPY			
	Stelletta normani	Ancorinidae	WSX (Stelletta)			
	Stelletta tuberosa	Ancorinidae	WSX (Stelletta)			
	Stryphnus fortis	Ancorinidae	WPH			
	Thenea muricata	Pachastrellidae	ZTH (Thenea)			
	Thenea valdiviae	Pachastrellidae	ZTH (Thenea)			
	Weberella bursa	Polymastiidae				



Common Name and FAO ASFIS 3- ALPHA CODE	Taxon	Family	FAO ASFIS 3- ALPHA CODE			
	Enallopsammia rostrata*	Dendrophylliidae	FEY			
Stony Corals (CSS	Lophelia pertusa*	Caryophylliidae	LWS			
- Scleractinia)	Madrepora oculata*	Oculinidae	MVI			
	Solenosmilia variabilis*	Caryophylliidae	RZT			
	Stichopathes sp.	<u>Antipathidae</u>	<u>QYX</u>			
	<u>Leiopathes cf.</u>	<u>Leiopathidae</u>				
	<u>expansa</u> <u>Leiopathes sp.</u>	<u>Leiopathidae</u>				
	Plumapathes sp.	Myriopathidae				
Black corals	Bathypathes cf.	Schizopathidae				
(AQZ- Antipatharia)	<u>patula</u> <u>Parantipathes sp.</u>	Schizopathidae				
	<u>Stauropathes</u>	Schizopathidae	<u>SQW</u>			
	arctica Stauropathes cf.	Schizopathidae				
	punctata <u>Telopathes</u> <u>magnus</u>	<u>Schizopathidae</u>				
	Acanella arbuscula	Isididae	KQL (Acanella)			
	Anthothela	Anthothelidae	WAG			
	grandiflora Chrysogorgia sp.	Chrysogorgiidae	FHX			
Small Gorgonians (GGW)	Metallogorgia	Chrysogorgiidae				
(ddw)	melanotrichos* Narella laxa	Primnoidae				
	Radicipes gracilis	Chrysogorgiidae	CZN			
	Swiftia sp.	Plexauridae	GZI.			
	y op.					
	Acanthogorgia armata	Acanthogorgiidae	AZC			
	Calyptrophora sp.*	Primnoidae				
	Corallium bathyrubrum	Coralliidae	COR (Corallium)			
Large Gorgonians	Corallium bayeri	Coralliidae	COR (Corallium)			
(GGW)	Iridogorgia sp.*	Chrysogorgiidae				
	Keratoisis cf. siemensii	Isididae				
	Keratoisis grayi	Isididae				
	Lepidisis sp.*	Isididae	QFX (Lepidisis)			
	Paragorgia arborea	Paragorgiidae	BFU			



Common Name and FAO ASFIS 3- ALPHA CODE	Taxon	Family	FAO ASFIS 3- ALPHA CODE				
ALPHA CODE	Paragorgia johnsoni	Paragorgiidae	BFV				
	Paramuricea grandis	Plexauridae	PZL (Paramuricea)				
	Paramuricea placomus	Plexauridae	PZL (Paramuricea)				
	Paramuricea spp.	Plexauridae	PZL (Paramuricea)				
	Parastenella atlantica	Primnoidae					
	Placogorgia sp.	Plexauridae					
	Placogorgia terceira	Plexauridae					
	Primnoa resedaeformis	Primnoidae	QOE				
	Thouarella (Euthouarella) grasshoffi*	Primnoidae					
	Anthoptilum	Anthoptilidae	AJG				
	grandiflorum Distichoptilum gracile	Protoptilidae	(Anthoptilum) WDG				
	Funiculina quadrangularis	Funiculinidae	FQJ				
	Halipteris cf. christii	Halipteridae	ZHX (Halipteris)				
	Halipteris finmarchica	Halipteridae	HFM				
Sea Pens (NTW -	Halipteris sp.	Halipteridae	ZHX (Halipteris)				
Pennatulacea)	Kophobelemnon stelliferum	Kophobelemnidae	KVF				
	Pennatula aculeata	Pennatulidae	QAC				
	Pennatula grandis	Pennatulidae					
	Pennatula sp.	Pennatulidae					
	Protoptilum carpenteri Umbellula lindahli	Protoptilidae Umbellulidae					
	Virgularia mirabilis	Virgulariidae					
Tube-Dwelling Anemones	Pachycerianthus borealis	Cerianthidae	WQB				
Erect Bryozoans (BZN – Bryozoa)	Eucratea loricata	Eucrateidae	WEL				
Sea Lilies (CWD –	Conocrinus lofotensis	Bourgueticrinidae	WCF				
Crinoidea)	Gephyrocrinus grimaldii	Hyocrinidae					



Common Name and FAO ASFIS 3- ALPHA CODE	Taxon	Family	FAO ASFIS 3- ALPHA CODE
	Trichometra cubensis	Antedonidae	
Sea Squirts (SSX – Ascidiacea)	Boltenia ovifera Halocynthia aurantium	Pyuridae Pyuridae	WBO
Unlikely to be obse	rved in trawls; in situ	observations only:	
Large xenophyophores	Syringammina sp.	Syringamminidae	



Annex 4. Revision to NAFO CEM Annex II.N, Fishing Logbook Information by Haul

Flag State	Vessel Call sign	Haul #	Gear Type	NAFO Div.	Start Year (YYYY)	Start Month (MM)	Start Day (DD)	Start Latitude (Decimal Degrees)	Start Longitude (Decimal Degrees)	Start Depth (m)	*Start Time UTC (HHMM)	End Year (YYYY)	End Month (MM)	End Day (DD)	End Latitude (Decimal Degrees)	End Longitude (Decimal Degrees)	End Depth (m)	*End Time UTC (HHMM)	Species (FAO 3- alpha Species Code)	Retained (LW kg)	Discarded (LW kg)	Comments
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																				•		
					·			·			·							·				

^{*} In the case of trawl fisheries, start is the time at the end of setting, finish is the time at the start of gear retrieval. In any other case, start is the time at the start of gear setting, finish is the end of gear retrieval.

