

VI. List of VME Indicator Species

Benthic Invertebrate VME Indicator Species			
Common name of taxonomic group	Known Taxon	Family	Phyllum
Large-sized sponges (SPO)	<i>Iophon piceum</i> (WJP)	Acarinidae	Porifera
	<i>Stelletta normani</i>	Ancorinidae	
	<i>Stelletta</i> sp. (WSX)	Ancorinidae	
	<i>Stryphnus ponderosus</i>	Ancorinidae	
	<i>Axinella</i> sp.	Axinellidae	
	<i>Phakellia</i> sp.	Axinellidae	
	<i>Esperiopsis villosa</i> (ZEW)	Esperiopsidae	
	<i>Geodia barretti</i>	Geodiidae	
	<i>Geodia macandrewii</i>	Geodiidae	
	<i>Geodia phlegraei</i>	Geodiidae	
	<i>Mycale (Mycale) lingua</i> (YHL)	Mycalidae	
	<i>Thenea muricata</i>	Pachastrellidae	
	<i>Polymastia</i> spp. (ZPY)	Polymastiidae	
	<i>Weberella bursa</i>	Polymastiidae	
	<i>Weberella</i> sp. (ZWB)	Polymastiidae	
	<i>Asconema foliatum</i> (ZBA)	Rossellidae	
<i>Craniella cranium</i>	Tetillidae		
Stony corals (CSS) (known seamount species may not occur in abundance in the NRA)	<i>Lophelia pertusa</i> (LWS)	Caryophylliidae	Cnidaria
	<i>Solenosmilia variabilis</i> (RZT)	Caryophylliidae	
	<i>Enallopsammia rostrata</i> (FEY)	Dendrophylliidae	
	<i>Madrepora oculata</i> (MVI)	Oculinidae	
Small gorgonian corals (GGW)	<i>Anthothela grandiflora</i> (WAG)	Anthothelidae	Cnidaria
	<i>Chrysogorgia</i> sp. (FHX)	Chrysogorgiidae	
	<i>Radicipes gracilis</i> (CZN)	Chrysogorgiidae	
	<i>Metallogorgia melanotrichos</i>	Chrysogorgiidae	
	<i>Acanella arbuscula</i>	Isididae	
	<i>Acanella eburnea</i>	Isididae	
	<i>Swiftia</i> sp.	Plexauridae	
	<i>Narella laxa</i>	Primnoidae	



Large gorgonian corals (GGW)	<i>Acanthogorgia armata</i> (AZC)	Acanthogorgiidae	Cnidaria
	<i>Iridogorgia</i> sp.	Chrysogorgiidae	
	<i>Corallium bathyrubrum</i>	Coralliidae	
	<i>Corallium bayeri</i>	Coralliidae	
	<i>Keratoisis ornata</i> (KRY)	Isididae	
	<i>Keratoisis</i> sp.	Isididae	
	<i>Lepidisis</i> sp. (QFX)	Isididae	
	<i>Paragorgia arborea</i> (BFU)	Paragorgiidae	
	<i>Paragorgia johnsoni</i> (BFV)	Paragorgiidae	
	<i>Paramuricea grandis</i>	Plexauridae	
	<i>Paramuricea placomus</i>	Plexauridae	
	<i>Paramuricea</i> spp. (PZL)	Plexauridae	
	<i>Placogorgia</i> sp.	Plexauridae	
	<i>Placogorgia terceira</i>	Plexauridae	
	<i>Calyptrophora</i> sp.	Primnoidae	
	<i>Parastenella atlantica</i>	Primnoidae	
<i>Primnoa resedaeformis</i> (QOE)	Primnoidae		
<i>Thouarella grasshoffi</i>	Primnoidae		
Sea pens (NTW)	<i>Anthoptilum grandiflorum</i>	Anthoptilidae	Cnidaria
	<i>Funiculina quadrangularis</i> (FQJ)	Funiculinidae	
	<i>Halipterus</i> cf. <i>christii</i>	Halipteridae	
	<i>Halipterus finmarchica</i> (HFM)	Halipteridae	
	<i>Halipterus</i> sp. (ZHX)	Halipteridae	
	<i>Kophobelemnion stelliferum</i> (KVF)	Kophobelemnidae	
	<i>Pennatula aculeata</i> (QAC)	Pennatulidae	
	<i>Pennatula grandis</i>	Pennatulidae	
	<i>Pennatula</i> sp.	Pennatulidae	
	<i>Distichoptilum gracile</i> (WDG)	Protoptilidae	
	<i>Protoptilum</i> sp.	Protoptilidae	
	<i>Umbellula lindahli</i>	Umbellulidae	
<i>Virgularia</i> cf. <i>mirabilis</i>	Virgulariidae		
Tube-dwelling anemones	<i>Pachycerianthus borealis</i> (WQB)	Cerianthidae	Cnidaria
Erect bryozoans (BZN)	<i>Eucratea loricata</i> (WEL)	Eucrateidae	Bryozoa
Sea lilies (Crinoids) (CWD)	<i>Trichometra cubensis</i>	Antedonidae	Echinodermata
	<i>Conocrinus lofotensis</i> (WCF)	Bourgueticrinidae	
	<i>Gephyrocrinus grimaldii</i>	Hyocrinidae	
Sea squirts (SSX)	<i>Boltenia ovifera</i> (WBO)	Pyuridae	Chordata
	<i>Halocynthia aurantium</i>	Pyuridae	

VII. List of Physical VME Indicator Elements

Physical VME indicator elements	
Seamounts	Fogo Seamounts (Div. 3O, 4Vs)
	Newfoundland Seamounts (Div. 3MN)
	Corner Rise Seamounts (Div. 6GH)
	New England Seamounts (Div. 6EF)
Canyons	Shelf-indenting canyon; Tail of the Grand Bank (Div. 3N)
	Canyons with head > 400 m depth; South of Flemish Cap and Tail of the Grand Bank (Div. 3MN)
	Canyons with heads > 200 m depth; Tail of the Grand Bank (Div. 3O)
Knolls	Orphan Knoll (Div. 3K)
	Beothuk Knoll (Div. 3LMN)
Southeast Shoal	Tail of the Grand Bank Spawning grounds (Div. 3N)
Steep flanks > 6.4°	South and Southeast of Flemish Cap. (Div. 3LM)

