KEEN GOM BENTHIC MONITORING DATA

BENTHIC QUADRAT COUNTS

Scanned by: _____
Date scanned: _____

SITE Pemaquid TR 4 DATE 8 / 8 / 16 OBSERVER JB

Depth (m) at 0m: 4.877 Depth (m) at 40m: 7.62 Visibility (m): _____

	Q0 OFF	Q8 ON	Q16 OFF	Q24 ON	Q32 OFF	Q40 ON
SP_CODE	COUNT	COUNT	COUNT	COUNT	COUNT	COUNT
SL	3	4	6	4	8	9
SLJ		3	4	5		
BLD						
DEVI						
AGCL						
DEAC						
CABO						
CAIR					1	
HOAM						
HOAS						
ASFO						
ASFOS						
ASRU						
ASRUS						
HESA						
PHGU						
MYSP						
LADI	2	2	3	2	5	5
LDJ	1		3			

Brown Algae

AGCL Agarum clathratum *(shotgun kelp)*
AGJ Agarum clathratum - juvenile <10cm
ALES Alaria esculenta *(distinctive midrib)*
ALJ Alaria esculenta - juvenile <20cm
BLD UNID Juv Laminariales; <3cm kelps
CHFI Chorda filum *(not fuzzy rope)*
COPE Colpomenia peregrina *(sea potato)*
DEAC Desmerestia aculeata *(coarse, alternate branches)*
DEVI Desmerestia viridis *(fine, opposite branches)*
HATO Halosiphon tomentosus *(fuzzy rope)*
LADI Laminaria digitata
LDJ Laminaria digitata juvenile <20cm
SADE Saccorhiza dermatodea *(flat & scuzzy)*
SAJ Saccorhiza dermatodea juvenile <20cm
SL Saccharina spp. *(lasagne)*
SLJ Saccharina spp. juvenile <20cm
FUSP Fucus sp.

Tunicates

BOEC Boltenia echinata *(cactus-like)*
STCL Styela clava (stalked tunicate)
BOOV Boltenia ovifera *(lollipop)*

Anemones

MESE Metridium senile *(white frilled)*
URFE Urticina felina *(bands run from top to bottom)*

Molluscs

BUCA Busycon canaliculatum *(channeled whelk)*
BUCR Busycon carica *(knobbed whelk)*
BUUN Buccinum undatum *(wavy whelk)*
CRVI Crassostrea virginica *(native oyster)*
NEDE Neptunea decemcostata (10 ring whelk)
OSED Ostrea edulis (euro oyster)
PLMA Placopecten magellanicus *(big sea scallop)*

Other Echinoids

CUFR Cucumaria frondosa *(brown, bumpy)*
ECPA Echinarachnius parma *(sand dollar)*
OPAC Ophiopholis aculeata *(brittlestar)*
PSFA Psolus fabricii *(scarlet cucumber)*
SDL Strongylocentrotus droebachiensis >20mm
SDS Strongylocentrotus droebachiensis <20mm
ARPL Arbacia punctulata >20mm
ARPS Arbacia punctulata < 20mm

Stars (less than 5cm, add S)

ASFO Asterias forbesii *(orange madroporite)*
ASRU Asterias rubens *(white madroporite)*
CRPA Crossaster papposus *(Spiny Sun Star)*
HESA Henricia sanguinolenta *(Blood Star)*
SOEN Solaster endeca *(Smooth Sun Star)*

Small Crustaceans <5cm

CABS Cancer borealis *(rounded, bumpy shell = Jonah)*
CAIS Cancer irroratus *(pointed shell = Atlantic Rock)*
CAMS Carcinus maenas *(Dark & mottled shell = Green)*
CASS Callinectes sapidus *(blue crab)*
HOAS Homarus americanus (lobster)
HYCS Hyas coarctatus *(decorator crab)*
LIES Libinia emarginata *(big spider crab)*
OVOS Ovalipes ocellatus *(ladycrab)*
PAHE Panopeus herbistii
HOAS Lobster, <10cm

Cryptic Fish

MYSP Myoxocephalus sp. *(grubby or sculpin < 10cm)*
ULSP Unidentified shanny (radiated or arctic)
EUSP Eumicrotremus spinosus *(spiny lumpsucker, <15cm)*
LULU Lumpenus lumpretaeformis (Snake Blenny)
PHGU Pholis gunnelus *(Rock Gunnel)*

Note small OCTO's

Data entry by: _____
Date entered: _____

Checked by: _____
Date checked: _____

Updated 9/8/15