KEEN GOM BENTHIC MONITORING DATA

BENTHIC UNIFORM POINT CONTACT DATA SHEET

Scanned by: _____

Date scanned: _____

Site: Pemaquid Transect: 3 Date: 8 / 3 / 16 Observer: Sean O'Neil

Depth (m) at 0m: 8 Depth (m) at 40m: 10 Visibility (m): 5

	Inshore	Substrate		Offshore	Substrate
1	CO, PORS, LADI		1	PORS, LADI	B
2	PORS, CHCR, CO		2	PORS, LADI	B
3	CHCR, CO		3	PORS, LADI	BL
4	CHCR, PORS, CO		4	PORS, LADI	BS
5	CHCR, PORS, LADI, CO		5	PORS, CO, LADI	BS
6	CHCR, CO		6		
7	PORS, CO		7		
8	CO, PORS, EUCR		8		
9	CO, CHCR		9		
10	CO, CHCR		10	CHCR	BL
11	CO, LADI, PORS, CHCR		11	CHCR	BM
12	CO		12	CO, PORS, LADI	BS
13	CO, PORS		13	CO, PORS	BL
14	LADI, CO		14	SL, PORS, CO	B
15	CO, SL		15	UFR, CO	B
16	CO		16	SL, UFR, CO	B
17	CO, CHCR		17	PORS	B
18	CO, PORS		18	SL, PORS	BL
19	CO, CHCR		19	LADI, PORS, CO	BM
20			20	UFR, PORS, CO	BL
21			21	CHCR, PORS, CO	BL
22			22	SL, PORS, CO	BS
23			23	PORS, CO, CHCR	BL
24			24		
25			25		
26			26		
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40			40		

Substrate

- P Pebbles (<5cm)
- C Cobble (<25cm)
- BS Boulder (25-50cm)
- BM Boulder (50-100cm)
- BL Boulder (>100cm)
- B Bedrock
- SS Shallow Sand (<1cm)
- SH Shell Debris
- S Sand (>1cm)

Green Algae

- COF Codium fragile *(fingers)*
- FG Filamentous Green *(fine hairs)*
- UV Blady Ulvoid *(ulva & enteromorpha)*
- TUV Tubular Ulvoid *(ulva & enteromorpha)*

Erect Red Algae

- BOHA Bonnemasonia hamifera *(hooks)*
- CRSP *Ceramium spp. (pincers, corticated)*
- CHCR Chondrus crispus
- CYPU Cystoclonium purpureum *(bristly)*
- DUCO Dumontia contorta *(flat cylanders)*
- EUCR Euthora cristata *(flat branching blades, lacy)*
- HJ Heterosiphonia japonica *(bright, fuffy, solid midrib)*
- MAST Mastocarpus stellatus *(channeled blades pappilate)*
- PAPA Palmaria palmata *(hand-like blades)*
- PHRU Phycodrys rubens *(oak leaves)*
- POLS Polysiphonia sp. *(variable fluffy)*
- PORO Polyides rotundus *(regular thick branches)*
- PORS Porphyra spp. *(thin sheet)*
- PTSE Ptilota serrata *(branches w/ branchletts)*
- RAT Red Algal Turf *(thin UNID mat many spp.)*
- SPRE Spermothamnion repens *(bushy tufts, epiphytic)*
- CO Corralina officinalis *(erect corraline)*
- URB Unidentified Red Blade
- UFR Unidentified Filamentous Red
- AHPL Ahnfeltia plicata
- COTR Coccotylus truncatus (Blade with small lobes)

Encrusting Red Algae (smooth to bumpy)

- HIRU Hildenbrandia rubra (not calcified crust)
- CLCI Clathromorphum circumscriptum *(smooth and thick)*
- LISP Lithophyllum sp. (smooth, chalky)
- LESP Leptophytum spp. *(smooth, very thin, no band, pores)*
- PHSP Phymatolithion spp. *(rough surface, white swirls, conceptacles)*
- LIGL Lithothamnion glaciale *(bumpy)*
- EC Unidentified Encrusting coralline
- UENC Unidentified Encrusting Non-Corraline

Brown Algae

- AGCL Agarum clathratum *(shotgun)*
- ALES Alaria esculenta *(midrib)*
- ARVI Arthrocladia villosa *(branching, tublar, hairs)*
- ASDI Ascophyllum nodosum
- BLD Unid Laminariales Blade
- CHFI Chorda filum *(long smooth rope)*
- COPE Colpomenia peregrina *(sea potato)*
- DEAC Desmerestia aculeata *(coarse, alternating branches)*
- DEVI Desmerestia viridis *(fine, opposite branches)*
- DIAT Diatom Tube Mat
- HATO Halosiphon tomentosus *(long and furry)*
- LADI Laminaria digitata *(hand-like)*
- LEMA Leathsia marina *(stiffer, brain-like)*
- SADE Sacchoriza dermatodea *(oar-like, scuzzy)*
- SL Saccharina latissima *(lasagna blade)*
- SALO Saccharina longicuris *(very long & hollow stipe)*
- FUSP Fucus sp.

Bryozoans

- BUSP Bugula sp.
- BUTU Bugula turrita *(xmas tree)*
- BUNE Bugula neritina *(purple)*
- CREB Crisia eburnea *(fuzzy, fine)*
- CAEL Cabera elisii *('chondrus bryozoan')*
- DEMU Dendrobeania murrayana *(leafy)*
- ELPI Electra pilosa
- LIVE Lichenopora verrucaria *(thick in middle, white)*
- MEMA Membranipora membranacea (lacy epizootic)
- SCUN Schizoporella unicornis *(bumpy, orange & white, round zooids)*
- SCAU Schizomavella auriculata *(bumpy, solid orange, round zooids)*
- TRIN Tricellaria inpinata (crunchy arborescent)
- UAB Unidentified Arborescent Bryozoans

Sponges

- ES Encrusting Sponge
- CLSP Cliona sp. *(large osculum)*
- HADU Halisarca dujardini *(slimy sheet)*
- HAOC Haliclona oculata *(few fingers)*
- HAPA Halichondria panicea *(crumbs)*
- HYSP Hymedesmia sp. *(blue)*
- ISPA Isodictya palmata *(palmate)*
- LEUC Leucosolenia sp *(many small vases)*
- MIPR Microciona prolifera *(red, finger/beard)*
- SCSP Scypha sp. *(little vases)*

Tunicates

- APPA Aplidium pallidum
- ASAS Ascidiella aspersa
- BOEC Boltenia echinata
- BOSC Botryllus schlosseri *(stars)*
- BOVI Botrylloides violaceus
- CIIN Ciona intestinalis
- CISA Ciona savingyi
- DECA Dendrodoa carnea *(small pink)*
- DIAL Didemnum albidum
- DIP Diplosoma listerianum
- DIVE Didemnum vexillum
- HAPY Halycynthia pyriformis
- STCL Styela clava
- UT Unid. Colonial tunicate
- MOMA Molgula manhattensis
- MOCI Molgula citrina
- BOOV Boltenia ovefera

Hydroids

- ABAB Abietinaria abietina *(coarse corticated)*
- ECSP Ectopleura sp.
- OBSP Obelia spp. *(delicate)*
- SESP Sertularia sp. *(bushy corticated)*
- UIH Unidentified Hydroid spp.

Molluscs

- CF Crepidula fornicata
- ISAL Isochiton albus *(white chiton)*
- ISRU Isochiton ruber *(red chiton)*
- MOMO Modiolus modiolus *(blunt)*
- MYED Mytilus edulis
- TETE Tectura testudinalis *(limpet)*
- SE Serpulorbis *(worm-tube)*
- ANSP Anomia sp. *(Jingle Shell)*
- OSED Ostrea edulis

Other

- SABW Sabellid worm *(feather duster)*
- ATM Amphipod tube mat
- OPAC Ophiopholis aculeata *(brittlestar)*
- BA Barnacle sp.
- HASP Halicystis sp. *(stalked jelly)*

Grass

- ZOMA Zostera

Anemones

- CEBO Cereanthus borealis *(buried)*
- DILI Diadumene lineata *(orange lined)*
- MESE Metridium senile *(fine frill)*
- UNAN Unidentified Anemone
- URFE Urticina felina *(bands)*
- FALI Fagesia lineata (tiny white)

Data entry by: _____ Checked by: _____

Date entered: _____ Date checked: _____

Updated 8/3/16