

Site: Pemaguid Transect: 4 Date: 8/8/16 Observer: BM

Depth (m) at 0m: 4.877

Depth (m) at 40m: 7.62

Visibility (m): _____

[illegible]

Substrate

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

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 Bonnermasonia hamifera (hooks)
CRSP Ceramium spp. (pincers, coriacted)
CHCR Chondrus crispus
CYPU Cystodinium purpureum (bristly)
DUCO Dumontia contorta (flat cylinders)
EUCR Euthora cristata (flat branching blades, lacy)
HJ Heterosiphonia japonica (bright, fluffy, solid midrib)
MAST Mastocarpus stellatus (channeled blades papillate)
PALA Palmaria palmata (hand-like blades)
PHRU Phycodrys rubens (oak leaves)
POLS Polyisiphonia sp. (variable fluffy)
PORO Polydes rotundus (regular thick branches)
PORS Porphyra sp. (thin sheet)
PTSE Pilota serrata (branches w/ branchlets)
RAT Red Algal Turf (thin UNID mat many spp.)
SPRE Spermothamion repens (bushy tufts, epiphytic)
CO Corallina officinalis (erect coralline)
URB Unidentified Red Blade
UFR Unidentified Filamentous Red
AHPL Ahnfeltia plicata
COTR Coccotyulus truncatus (Blade with small lobes)
ECR Encrusting Red Algae (smooth to bumpy)
HIRU Hildenbrandia rubra (not calcified crust)

Encrusting Red Algae (smooth to bumpy)

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

Brown Algae

AGCL Agarum clathratum (shotgun)
ALES Alaria esculenta (midrib)
ARVI Arthrocladia villosa (branching, tubular, hairs)
ASDI Ascophyllum nodosum
BLD Unid Laminariales Blade
CHFI Chorda filum (long smooth rope)
COPE Colpomenia peregrina (sea potato)
DEAC Desmarestia aculeata (coarse, alternating branches)
DEVI Desmarestia viridis (fine, opposite branches)
DIAT Diatom Tube Mat

HATO Halosiphon tomentosus (long and furry)
LADI Laminaria digitata (hand-like)
LEMA Leathisia marina (stiffer, brain-like)
SADE Saccharozia dermatodea (oar-like, scuzzy)
SL Saccharina latissima (lassagna blade)
SALO Saccharina langouicui (very long & hollow stipe)

P *Fucus* sp.

Bryozoans

BUSP Bugula sp.

BUTU Bugula turrita (*xmas tree*)

BUNE Bugula nentina (*purple*)

CREB Crisia ebumea (*fuzzy, fine*)

CAEL Cabera elisii (*chondrus bryozoan*) *branched*

DEMU Dendroebania murrayana (*leafy*)

ELPI Electra pilosa

LIVE Lichenopora verrucaria (*thick in middle, white*)

MEIMA Membranipora membranacea (*lacy epizootic*)

SCUN Schizoporella unicornis (*bumpy, orange & white, round zooids*)

SCAU Schizomavella auriculata (*bumpy, solid orange, round zooids*)

TRIN Tricellaria inopinata (*crunchy arboreous*)

UAB Unidentified Arborecent Bryozoans

Sponges

ES Encrusting Sponge
GLSP Cliona sp. (large osculum)
HADU Halisarca dujardini (slimy sheet)
HAOC Haliclona oculata (few fingers)
HAPA Halichondria panicea (crumbs)
HYSY Hymedesia sp. (blue)
ISPA Isodictya palmata (palmate)
LEUC Leucosolenia sp. (many small vases)
MIPR Microciona prolifera (red, fingerbeard)
SCSP Scypha sp. (little vases)

Tunicates

APPA	<i>Apidium pallidum</i>	DIVE	<i>Didemnum vexillum</i>
ASAS	<i>Ascidella aspersa</i>	HAPY	<i>Halysctinia pyramiformis</i>
BOEC	<i>Bolienia echinata</i>	STCL	<i>Styela clava</i>
BOSC	<i>Botryllus schlosseri</i> (stars)	UT	<i>Unid. Colonial tunicate</i>
BOVI	<i>Botrylloides violaceus</i>	MOMA	<i>Molgula manhattensis</i>
CIIM	<i>Ciona intestinalis</i>	MOCI	<i>Molgula citrina</i>
CISA	<i>Ciona savignyi</i>	BOOV	<i>Bolienia ovefera</i>
DECA	<i>Dendrodoa carnea</i> (small pink)		
DIAL	<i>Didemnum albidum</i>		

Hydroids	Molluscs
ABAB Abietinaria abietina (<i>coarse corticated</i>) CF	Crepidula fornicata
ECSF Ectopleura sp.	ISAL Ischiton albus (<i>white chiton</i>)
OBSP Obelia spp. (<i>delicate</i>)	ISRU Ischiton ruber (<i>red chiton</i>)
SESP Sertularia sp. (<i>bushy corticated</i>)	MOMO Modiolus modiolus (<i>blunt</i>)
UIH Unidentified Hydroid spp.	MYED Mytilus edulis
	TETE Tectura testudinalis (<i>limpet</i>)
	SE Serpulorbis (<i>worm-tube</i>)
	ANSP Anomia sp. (<i>Jingle Shell</i>)
	OSPD Ostrea edulis

Other	Anemones
SABW Sabellid worm (<i>feather duster</i>)	CEBO Ceramurus borealis (<i>burred</i>)
n) ATM Amphipod tube mat	DIL Diadumene lineata (<i>orange lined</i>)
OPAC Ophiopholis aculeata (<i>brittlestar</i>)	MESE Metridium senile (<i>fine frill</i>)
BA Barnacle sp.	UNAN Unidentified Anemone
HASP Halysciscs sp. (<i>stalked jelly</i>)	URFE Urticina felina (<i>bands</i>)
Grass	FALI Fagesia lineata (<i>tiny white</i>)
ZOMA Zostera	

Data entry by: _____
Date entered: _____

Checked by: _____
Date checked: _____

Updated 8/8/16