

BENTHIC UNIFORM POINT CONTACT SHEET

Date scanned by: Kelsey SchultZ
Date scanned by: Kelsey SchultZSite: pumpthouseTransect: 1Date: 8/7/15Observer: Kelsey S.

Inshore		Substrate	Offshore		Substrate
PAPA	C	1	-		
CHCR, CLSP, PAPA	BS	2	CLSP		C
SL, CHCR, CLSP	BS	3	-		C
PAPA, CHCR	BS	4	CHCR		C
CLSP, CHCR	BS	5	LIGL		BL
LIGL, CHCR	BS	6	CHCR, LIGL		C
LIGL, HJ, PAPA	BS	7	CLSP		C
PAPA, LIGL	C	8	CHCR, LIGL		BW
SL, UV	BS	9	SL		P
SL, CHCR	C	10	SL		P
SL, PAPA, LIGL	BS	11	PAPA		P
SL, CLSP	BS	12	CHCR, LIGL		C
CHCR, PAPA	C	13	MAST		P
CHCR, CLSP	BS	14	SL, LIGL		BS
CHCR, CLSP	BS	15	EC		P
SL, CO	BS	16	-		P
CHCR, HJ, PAPA	P	17	PAPA		P
CHCR	C	18	CHCR		BL
CHCR, CLSP	BS	19	CHCR, CLSP		BL
CERA, CHCR	C	20	PAPA		S
CHCR, LIGL	C	21	CHCR		P
CHCR, LIGL	C	22	PAPA, MAST		BW
CLSP	C	23	CHCR, LIGL		BW
LIGL, CO	C	24	LIGL, HIRU		BW
HJ, SL, PAPA	C	25	LIGL		BW
DEVI, HJ, PAPA	C	26	SL, FUSP		P
SL, HJ, PAPA, DEVI	P	27	SL, PAPA, DEAC		P
SL, HJ, PAPA	C	28	SL, PAPA		P
SL, HJ, PAPA	P	29	SL, HJ		P
DEVI, SL, HJ	P	30	SL, HJ, DEAC		P
SL, MEMA, PAPA	P	31	SL, HJ		S
PAPA, SL, DEVI, HJ	C	32	SL, HJ		P
PAPA, CF	C	33	HIRU		P
CHCR, CO, LIGL	C	34	HIRU, MAST, LIGL		BS
HJ, SL, CHCR	C	35	CF, LIGL		P
SL, CF	P	36	PAPA		P
PAPA, CHCR, TETE	P	37	MAST, LIGL		BS
SL, TETE	C	38	DEAC, CHCR, CLSP		P
CO	BS	39	MAST, LIGL		P
CERA	C	40	PHSP		P

Hydroids: ABAB Abietaria abietina (coarse corticated) CF Crepidula tomatica
ECSP Ectopora sp. ISAL Isosiphon albus (white chiton)
OBSP Obelia sp. (delicate) ISRU Isosiphon ruber (red chiton)
SESP Seriatula sp. (bushy corticated) MOMO Modiolus modiolus (burr)
UHI Unidentified Hydroid spp. MYED Mytilus edulis
TETE Tectura testudinalis (limpet)
SE Serpulids (worm-tube)
ANSP Anomia sp. (jangle shell)

Molluscs: SABW Sabellid worm (feather cluster)
ATM Amphipod tube mat
OPAC Ophioporus aculeata (brittlestar)
BA Barnacle sp.
MESP Mesopoma sp. (limpet)

Other: Grass
bylaria

Antennores: CEBO Cereanthus borealis (burred)
DLI Didemnum lineata (orange lined)
MESF Meridium senile (fine fil)
UNAI Unidentified Antennore
URFE Urticina felina (beards)
FALI Fagesia lineata (tiny white)

Data entry by: _____ Check by: _____
Date entered: _____ Date checked: _____

Substrate
P Pebbles (<5cm)
C Cobble (<25cm)
BS Boulder (25-50cm)
BM Boulder (50-100cm)
BL Boulder (>100cm)
S Sand (>1cm)

Green Algae
COF Codium fragile (fingers)
FG Filamentous Green (fine hairs)
UV Blady Uvoid (ulva & enteromorpha)
TUV Tubular Uvoid (ulva & enteromorpha)

Erect Red Algae

BOHA Bonneria hamata (floods)
CRSP Ceramium spp. (juncers, corticated)
CHCR Chondrus crispus
CYPH Cystocodium purpureum (bushy)
DUCC Dumetia conorta (flat cylinders)
EUCR Euthoria cristata (flat branching blades, bay)
HJ Heterosiphonia japonica (tongit, luffy, solid midrib)
MAST Mastocarpus stellatus (channeled blades papillate)
PAPA Palmaria palmata (hard-like blades)
PHRU Phylloporus rubens (oak leaves)
POLS Polysiphonia sp. (variable luffy)
PORO Porosira rotundus (regular thick branches)
PORS Porphyra spp. (thin sheet)
PTSE Ptilota serrata (branches w/ branchlets)
RAT Red Algal Turf (thin UNID mat many spp.)
SPRE Spermothamnion repens (bushy turfs, epiphytic)
CO Corallina officinalis (erect coralline)
URB Unidentified Red Blade
UFR Unidentified Filamentous Red

ACPL Anthelia plicata
COTR Coccotylus truncatus (blade with small lobes)
HIRU Hildenbrandia rubra (not calcified crust)
CLSP Clathromorphum spp. (smooth and thick)
LISP Lithothylum spp. (smooth, chalky)
LESP Leptothylum spp. (smooth, very thin, no band)
PHSP Pyramidation spp. (rough surface, white swirls)
LIGL Lithothamnion glaciale (lumpy)
EC Unidentified Encrusting coralline
UENC Unidentified Encrusting Non-Coralline

Brown Algae

AGCL Agarum clathratum (shogun)
ALES Alaria esculenta (mudb)
ARVI Arthrocladia villosa (branching, tubular, hairs)
ASDI Ascophyllum nodosum
BLD Und. Laminariales Blade
CHFI Chorda filum (long smooth rope)
COPE Colopomena peregrina (sea potato)
DEAC Desmarestia aculeata (coarse, alternating branches)
DEVI Desmarestia viridis (fine, opposite branches)
DIAT Diatom Tube Mat
HAIO Halosiphon tomentosus (long and luffy)
LAOI Lamaria digitata (hand-like)
LEMA Leathesia marina (stiffer, brain-like)
SADE Saccorhiza dermatodea (oar-like, scuzzy)
SL Saccharina latissima (lassagna blade)
SALO Saccharina longicurs (very long & narrow stipe)
FUSP Fucus sp.

Bryozoans
BUSP Bugula sp.
BUTU Bugula turrita (xmas tree)
BUNE Bugula neritina (purple)
CREB Crisia eburnea (luzzy, fine)
DEMU Dendropeana murrayana (leafy)
ELPI Ectopora pilosa
LIVE Lithothopora verrucata (thick in middle, white)
MEMA Membranopora membranacea (lacy epizootic)
SCUN Schizoporella unicornis (bumpy, orange & white, round zooids)
SCAU Schizoneura auriculata (bumpy, solid orange, round zooids)
TRIN Tricellaria nipinata (crunchy, arborescent)
UAB Unidentified Aborescent Bryozoans

Sponges
ES Encrusting Sponge
CLSP Cliona sp. (large osculum)
HADU Halysaeca dupadini (slimy sheet)
HAOC Haliciona oculata (few fingers)
HAPA Halictionda panacea (corrubs)
HYSP Hymedesmia sp. (blue)
ISPA Isodictya palmata (palmate)
LEUC Leucosolenia sp. (many small vases)
MIPR Microciona prolifera (red, fingerbeard)
SCSP Scophia sp. (little vases)

Tunicates

APPA Aplousma pallidum
ASAS Ascidia aspera
BOEC Botellina echinata
BOVC Boryllus schlosseri (stars)
CIN Ciona intestinalis
CISA Ciona savignyi
DECA Dendroca carnea (small, pink)
DIAL Didemnum album

DIP Diplosoma listerianum
DINE Didemnum vexillum
HAPP Halysynthia ptilonitis
STCL Styela clava
UT Unit Colonial tunicate
MOMA Moiquia membranacea
MOCI Moiquia citrina
BOOV Botellina ovata