

DATA SHEET

Scanned by: _____
Date scanned: _____

Site: PERMAQUID 1 Transect: 1 Date: 7/13/16 Observer: KS

Depth (m) at 1m:	Depth (m) at 40m:	Visibility (m):
Inshore	Offshore	Substrate
1 CO, EG, RADK	1 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100	Substrate
2 LAD, CO, DEVI, CHER	2 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100	Substrate
3 54, LAD, LIGL	3 LAD, EG, CHER	Substrate
4 EG, CHER, CO, CCL	4 LAD, LAD, CHER, CHER	Substrate
5 / CE	5 PORS, CO, EG	Substrate
6 PORS, CO, LAD	6 CHER, CO, LIGL	Substrate
7 DEVI, LAD, CO, CHER	7 LAD, SL, MONG	Substrate
8 LAD, EG, PORS, CO	8 PORS, CHER, CO, EG, BS	Substrate
9 PORS, CHER, CO, CHER	9 BOVI, EG	Substrate
10 54, DEVI, CO, LIGL	10 SL, EG, CCL	Substrate
11 PORS, CHER, CO, PORS	11 CO, CHER, BOHA, BS	Substrate
12 BOHA, CHER, CO, EG	12 EG, DEVI, PORS, CO, BS	Substrate
13 CHER, CO, CCL	13 PORS, CCL, CCL	Substrate
14 CO, CHER, EG, CCL	14 SL, SPRE, CCL	Substrate
15 PORS, CHER, CO	15 SL, CHER, CO	Substrate
16 BO, PORS, CORE	16 LAD, CO, CHER, LIGL, BS	Substrate
17 CO, CHER, CO, EG, SPRE	17 SL, DNE	Substrate
18 CO, LIGL, CHER, CO	18 SL, CHER, CCL, CCL, BS	Substrate
19 BOHA, CHER	19 LAD, RAD, PORS, CO	Substrate
20 LAD, CO, CHER	20 LAD, SL, CHER, CO, BS	Substrate
21 CO, CHER, SPRE	21 SL, LAD, BOHA, BS	Substrate
22 DEVI, LAD, DIVE	22 LAD, PORS, CO, LIGL	Substrate
23 LIGL, DEVI, HE	23 CO, SL, LAD, SPRE, BS	Substrate
24	24	Substrate
25	25	Substrate
26	26	Substrate
27	27	Substrate
28	28	Substrate
29	29	Substrate
30	30	Substrate
31	31	Substrate
32	32	Substrate
33	33	Substrate
34	34	Substrate
35	35	Substrate
36	36	Substrate
37	37	Substrate
38	38	Substrate
39	39	Substrate
40	40	Substrate

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 Black Unoid (ulva & enteromorpha)
TUV Tubular Unoid (ulva & enteromorpha)

Erect Red Algae

BOHA Bonnamersonia hamifera (hooks)
CRSP Ceramium spp. (prickers, coriaceous)
CHCR Chondrus crispus
CYPD Cystodinium purpureum (bristly)
DUCO Dumortiera ciliolata (flat cylinders)
EUCR Ectocarpus cristatus (flat branching blades, lacy)
HJ Heterosiphonia japonica (bright, tuft, solid rhizoids)
MAST Mastocarpus stellatus (channeled blades papillate)
PAPA Palmaria palmata (hard-like blades)
PHRU Phylloporus rubens (oak leaves)
POLS Polysiphonia spp. (variable tuft)
PORS Polydora rotundus (regular thick branches)
PORS Porphyra spp. (thin sheet)
PTSE Ptilota serrata (branches w/ branchlets)
RAT Red Alga Turf (thin UNID mat many spp.)
SPRE Spermothamnion repens (bushy tufts, epiphytic)
CO Corallina officinalis (erect coralline)
URB Unidentified Red Blade
UFR Unidentified Filamentous Red
AHPL Atractia plicata

Encrusting Red Algae (smooth to bumpy)

HIRU Hildenbrandia rubra (not calcified crust)
CLCI Clathromorphum circumscriptum (smooth and thick)
LISP Lithophilum spp. (smooth, chalky)
LESP Leptophyllum 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-Coralline

Brown Algae

AGCL Agardum clathratum (shotgun)
ALES Alaria esculenta (midrib)
ARVI Arthrocladia villosa (branching, tubular, hairs)
ASDI Asciophyllum nodosum
BLD Unid Laminariales Blade
CHFI Chorda filum (long smooth rope)
COPE Chlorella peregina (sea potato)
DEAC Desmarestia aculeata (coarse, alternating branches)
DEV Desmarestia viridis (fine, opposite branches)
DIAT Diatom Tube Mat
HATO Halosiphonia tomentosa (long and furry)
LADI Laminaria digitata (hand-like)
LEMA Leathesia marina (stiffer, brain-like)
SADE Saccorhiza dermatodea (oar-like, souzzy)
SL Saccharina latissima (lassagna blade)
SALO Saccharina longicurs (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 elisi (chondrus bryozoan)
DEMU Dendrobia murrayana (leafy)
ELPI Electra plocca
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 imitata (crunchy arborescent)
UAB Unidentified Arborescent Bryozoans

Sponges

ES Encrusting Sponge
CLSP Cliona sp. (large osculum)
HADU Haliarca dujardini (slimy sheet)
HAOC Haliocina 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, fingerbeard)
SCSP Scypha sp. (little vases)

Tunicates

APPA Apidium pallidum
ASAS Ascidiella aspersa
BOEC Botellina echinata
BOBC Botryllus schlosseri (stars)
BOVI Botryllodes violaceus
CIN Cliona intestinalis
CISA Cliona savignyi
DECA Dendrodoa carnea (small pink)
DIAL Didemnum abdidum

Molluscs

ABAB Abalinaria abietina (coarse corticated)
ECSP Ectopleura sp.
OBSP Obolus spp. (delicate)
SESP Serpulina spp. (bushy corticated)
UIH Unidentified Hydroid spp.

Other

SABW Sabellid worm (feather duster)
ATM Amphipod tube mat
OPAC Ophiopolis aculeata (brittle)
BA Barnacle sp.
HASP Halysitis sp. (stalked jelly)
ZOMA Zostera

Anemones

CEBO Ceranthus borealis (burned)
DILI Didemnum lineata (orange lined)
MESE Meridium senile (fine frill)
UNAN Unidentified Anemone
URFE Urticina felina (bands)
FALI Fagesia lineata (tiny white)

Hydroids

ABAB Abalinaria abietina (coarse corticated)
ECSP Ectopleura sp.
OBSP Obolus spp. (delicate)
SESP Serpulina spp. (bushy corticated)
UIH Unidentified Hydroid spp.

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