BENTHIC QUADRAT COUNTS

Scanned by: Date scanned:

a circled numbers are totals +

SITE Pemaguid

DATE 8 108116

OBSERVER JB

Depth (m) at 0m: 4.87

Depth (m) at 40m: 7.62

Visibility (m): ___

	Q0 OFF		Q8 ON COUNT		Q16 OFF COUNT		Q24 ON COUNT		Q32 OFF COUNT		Q40 ON COUNT	
SP_CODE												
SL (sugar)	11 (3)	177	(4)_	+++	(6)	1/1/	(4)	1111/	11(8)	441	1119
SLJ (<20cm sugar)			111	(3)	0.4	14		15)	45			
BLD (baby kelp)												
AGCL (shotgun)												
DEVI (fine feather)												
DEAC (brn feather)												
CABO (jonah)												
CAIR (rock)									1/4			
HOAM (lobster)									-	,		
HOAS (sm. lobster)												
ASFO (or. Star)												
ASFOS												
ASRU (white star)												
ASRUS												
HESA (blood star)												
PHGU (gunnel)									1000			
MYSP (sculpin)							Control of the Contro					
CAMA (green crab)												
LADI	11	(2)	11	(2)	111	(3)_	11	(2)	HIL	(5)	+111	-(5)
L P 7						(3)						
				Manual Control								

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 (finger)
- LDJ Laminaria digitata juvenile <20cm
- SADE Saccorhiza dermatodea (flat & scuzzy)
- SAJ Saccorhiza dermatodea juvenile <20cm
- SL Saccharina spp. (sugar)
- SLJ Saccharina spp. juvenile <20cm
- FUSP Fucus sp. (rockweed)

Tunicates

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

Data	entry	by:	
Date	entere	ed:	

Anemones

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

Molluscs

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

Other Echinoids

- CUFR Cucumaria frondosa (brown, bumpy)
- ECPA Echinarachnius parma (sand dollar)
- PSFA Psolus fabricii (scarlet cucumber)
- SDL Green urchin >20mm
- SDS Green urchin <20mm
- ARPL Arbacia punctulata >20mm (pencil urchin)
- ARPS Arbacia punctulata < 20mm (pencil urchin)

Checked by:	
Date checked:	

Stars (less than 3cm, 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

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

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

