

Appendix A

CRANE Data Sheets

FISH COUNTS / CRANE subtidal sampling / So Cal / rev. 06/04

SITE	SIDE	N	S	E	W	Cen	DIVERS	DATE	TIME IN	OUT
TX ZONE:	IN	MIDIN	MIDOUT	OUT	SURGE: 0 1 2 3			TEMP TX1	TX2	TX3
FISH ONLY										
FISH >										
TRANSECT										
ZONE										
LEVEL										
DEPTH										
CAN %										
FISH >										
TRANSECT										
ZONE										
LEVEL										
DEPTH										
CAN %										
FISH >										
TRANSECT										
ZONE										
LEVEL										
DEPTH										
CAN %										

SWATH / CRANE subtidal sampling / So Cal / rev. 06/04

SITE _____ Date _____ Name _____ Team _____
 Transect _____ SIDE: N S E W CEN Location: I M O Heading: N S E W

SPECIES	0-10 m	10-20 m	20-30 m
MACPYR(stipes)			

MACPYR Macrocyctis adult (>1m)	ASTMIN Asterina miniata	CANSPP Cancer spp.
PTECAL Pterygophora adult (>30cm)	DERIMB Dermasterias imbricata	PUGPRO Pugettia producta
CYSOSM Cystoseira (diameter>6cm)	ORTKOE Orthasterias koehleri	PUGRIC Pugettia richii
LAMSET Laminaria setchelli adult (stipe >30cm)	PISBRE Pisaster brevispinus	LOXGRA Loxorhynchus grandis
LAMFAR Laminaria farlowii ad (width>10cm)	PISGIG Pisaster giganteus	LOXCRI/SCYACU L. crispatus/Scyra acutifrons
EISARB Eisenia ad (>30cm)	PISOCH Pisaster ochraceous	PANINT Panulirus interruptus
ALAMAR Alaria marginata	PYCHEL Pycnopodia helianthoides	LITUND Lithopoma undosum
NERLUE Nereocystis luetkeana	PARCAL Parastichopus californicus	LITGIB Lithopoma gibberosum
COSCOS Costaria costata	PARPAR Parastichopus parvimensis	CRAGIG Crassedoma giganteum
STRPUR S. purp(>2.5cm)	ANTELE Anthopleura elegantissima	KELKEL Kelleteria kelleterii
STRFRA S. francisc(>2.5cm)	ANTSOL A. sola	MEGCRE Megathura crenulata
CENCOR Centrostephanus coronatus	URTSPP Urticina spp.	APLICAL Aplysia californica
LYTANA Lytechinus anamesus	METSPP Metridium spp	
TETAUR Tethya aurantia	MURCAL Muricea californica	HALIOTIS SPP MUST ID SPECIES
STYMON Styela montereyensis	MURFRU Muricea fruticosa	
	LOPCHI Lophogorgia chilensis	

UPC/ CRANE subtidal sampling / So Cal / rev. 06/04

SITE _____ Date _____ Name _____ Team _____

Transect _____ SIDE: N S E W CEN Location: I M O Heading: N S E W

SUBSTRATE	0-10 m	10-20 m	20-30 m
bedrock (≥ 1 m)			
boulder (10 cm - 1 m)			
cobble (≤ 10 cm)			
sand			
RELIEF			
0 - 10 cm			
10 cm - 1 m			
1 m - 2 m			
> 2 m			
ORGANISMS			

<u>Other</u> BAREROCK Bare rock BARESANDBare sand SHELL Shell Debris MUD Sediment/mud SCUM Diatomaceous Scum <u>ALGAE</u> ERECTREDErect red algae ENCREDED encrusting red algae TURF Turfy red (<2cm) EGRMEN Egregia CYSOSM Cystoseira osmundacea DESSPP Desmarestia spp. DICSPD Dictyoneuopsis/Dictyoneurum SARSPP Sargassum spp. BROWN Other Browns GREEN Green algae PHYSP Phyllospadix spp. CRUCOR Crustose coralline algae ERECOR Articulated coralline algae	<u>Gastro</u> SERPET Serpularbia/petalorbia BORINGCLAM Boring clam SCALLOP Scallop spp MUSSEL Mussel spp <u>Cnidarians</u> CORCAL Corynactis californica ANEM Other anemone CUP Cup Corals-Balanophyllia/Astrangia/Paracyathus HYDROID Hydroids STYCAL Stylaster calif. <u>Crustaceans</u> BARN Barnacle <u>Holdfasts</u> MACHOLD Macrocystis holdfast (alive) LAMHOLD Laminariales holdfast (alive) DEADHOLD Dead Holdfast	<u>Worms</u> PHRCAL Phragmatopoma californica SALTRI Salmacina tribranchiata DODFEW Dodecaceraia fewkesi TUBEMAT Unid tube mat CHAET/DIOCOR Chaetopterus/Diopatra ornata TUBEWORMS Solitary tube worm
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Primary substrate holders only!!!!
UNDER LAMSPP
UNDER BRITTLESTAR
UNDER PACRUB