



KWS Adaptive Management Program - Data Collection

MONTHLY AQUATIC SURVEY

Complete Survey at Low Neap Tide during the first 2 weeks of each month.

Ranger Name(s): _____

Date: _____ Time: _____

MPA Name: _____

Location (Site Name): _____

Circle One: Weekday / Weekend / Holiday

Circle One: Mid Tide / Low Tide

Any violations observed? (circle one): YES NO

If seen, please describe briefly: _____

WATER CLARITY

Secchi Distance _____ m _____ cm (*distance disc disappears*)

TRANSECT

Orange Striped Triggerfish (Number seen as laying out transect): _____

Star-eye parrotfish (# seen as laying out transect: MALE: _____ Female: _____ Juvenile: _____)

Crown of Thorns (*count along 40 m transect, 1 m on either side of transect line*):

Count _____

Substrate (benthic)

(Make a tick of type at each meter of transect starting at 1 m. You should have 40 ticks total.

When you copy the data to paper, please total you tick marks and put total here for each type)

Hard Coral	Soft Coral	Seaweeds	Coralline Algae	Sand	Seagrass	Bare Rocks	Halimeda	OTHER

Total Ticks: _____

Damaged Corals:

- Did you see any newly damaged corals on your transect (showing clear white break)? YES / NO
- Number of newly damaged or flipped corals within 2 m of either side of transect line: _____
- Describe damage: _____



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OPTIONAL: Coral Health (look at any coral under the first 20 m of the transect line)

Healthy Corals <i>(no bleaching)</i>	Fully Bleached Corals <i>(100% white)</i>	Partly bleached corals <i>(some white branches/spots)</i>	Total Corals Checked <i>(sum of other columns)</i>

Reef Sea Urchins: *one meter circle at start, mid, end*

Meter Mark	# Large Urchins	# Small Urchins
0		
20		
40		

SEAGRASS *List site name if not near transect blocks: _____*

Category	Quadrat 1	Quadrat 2	Quadrat 3	Quadrat 4
<i>T. hemprichii</i>				
<i>T. ciliatum</i>				
<i>Syringodium</i>				
<i>Halodule</i>				
<i>Halophila</i>				
URCHINS				

Anywhere in Area

Trash / Foreign Objects	Net	Fishing Line	Plastic	Glass	Other (describe): _____
<i>Number:</i>					

COMMENTS
