

## **Appendix A**

### **Heron Island Coastal Observations Data Recording Sheets**

Name

# HERON ISLAND COASTAL OBSERVATIONS

Station 1

Day

Month

Year

Time On

using 24h  
clock

ARE WAVES BREAKING?

few =  $\sqrt{\quad}$

many =  $\sqrt{\sqrt{\quad}}$

all =  $\sqrt{\sqrt{\sqrt{\quad}}}$

if white caps on reef flat, write "white caps"

Shore

Reef Flat

Reef Edge

between 170° & 210° mag

TYPE OF BREAK on beach (shore)

Pl= Plunge Sp= Spill Su= Surge C= Collapse

BREAKING WAVE HEIGHT

(estimate to 0.1m)

Average

Maximum

WAVE PERIOD eleven crests (secs)

WAVE DIRECTION (°mag)

SURF ZONE WIDTH AT BEACH (estimate in metres)

If breaking right across reef flat, put "right across"

SILT PLUME

Is there a silt plume inshore?

Is it moving to left(L), right(R) or offshore(O)?

How wide is it?

WATER MOVEMENT

Is there visible current movement in the moat?

If so, is it to left(L) or right(R)?

PRESENCE OF SCARP

Is an erosion scarp present?

Do waves reach base of scarp?

Is scarp being eroded?

Is there any evidence of accretion?

BEACH MATERIAL MOVEMENT

Are waves moving rubble(R) or sand(S) on beach?

Are waves moving rubble(R) or sand(S) at scarp foot?

COMMENT

Name

# HERON ISLAND COASTAL OBSERVATIONS

Station 2  
(close to jetty)

Day

Month

Year

Time on  
using 24h  
clock

ARE WAVES BREAKING ON SHORE

few =  $\sqrt{\quad}$  many =  $\sqrt{\sqrt{\quad}}$  all =  $\sqrt{\sqrt{\sqrt{\quad}}}$

TYPE OF BREAK on beach (shore)

Pl Plunge Sp Spill Su Surge C Collapse

BREAKING WAVE HEIGHT  
(estimate to 0.1m)

Average

Maximum

WAVE PERIOD AND DIRECTION

Period Direction

Main waves coming onto beach

Subsidiary waves


SURF ZONE WIDTH AT BEACH (estimate in metres)  
If breaking right across, put "right across"

SILT PLUME

Is there a silt plume inshore?

Is it moving to left(L), right(R) or offshore(O)?

How wide is it?


PRESENCE OF SCARP

Is an erosion scarp present?

Do waves reach base of scarp?

Is scarp being eroded?

Position of scarp foot along jetty

note pile no. & no. of planks or approx. distance

If no change, put "N/C"

Is there any evidence of accretion?


BEACH MATERIAL MOVEMENT

Are waves moving rubble(R) or sand(S) on beach?

Are waves moving rubble(R) or sand(S) at scarp foot?


COMMENT

Name

## HERON ISLAND COASTAL OBSERVATIONS

JETTY

Day

Month

Year

using 24h  
clock

Time on

WIND STRENGTH estimate (knots)

WIND DIRECTION

TIDE LEVEL

From tide board (to 0.1m)

ARE WAVES BREAKING ON EDGE OF REEF?

few =  $\sqrt{\quad}$  many =  $\sqrt{\sqrt{\quad}}$  all =  $\sqrt{\sqrt{\sqrt{\quad}}}$

To north of jetty approx. 330° to 360° mag

WAVE PERIOD AND DIRECTION IN BOAT HARBOUR

Period Direction


SILT PLUME

Is a silt plume present?

If so, please indicate approximate extent on sketch plan

