

## 5. USE OF CLASSIFICATION SYSTEM WITH RECORDING CARD

Use of the classification system with a recording card is illustrated in the following two examples. Example 4.5 illustrates the simplest of classifications, whilst example 4.10 shows the most complex. In the examples above, and example 5.2 from this section, information on both proportional reef covers and water depth is classified - the secondary structure of Level V is prominent.

Figure 2. Example of the data recording card.

Four samples for each site are able to be recorded on each side of the card. The reverse of the card may have the site data deleted.

Data Recording Card			No. <input type="text"/>
Date Time / Type	Tide Reef	Notes	Recorder Site
Sample No. <input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="radio"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Example 5.1** The classification of features in Figure 3:

detect the features for classification

## identify features for classification

analyse and delineate features

fill in applicable identifiers at top of recording card:

DRC No : 1  
Date : 1.8.83  
Reef : Cairns  
Time/type : LANDSAT  
Tide : N/A  
Recorder : DK  
Site : Broad zonation

classify the features using the classification system and data recording cards from the handbook.

So, for the example in Figure 3, the procedure is as follows:

34

(A)

(B)

13	5	N	N	28

(c)

	14	N	N	N	19

⑤

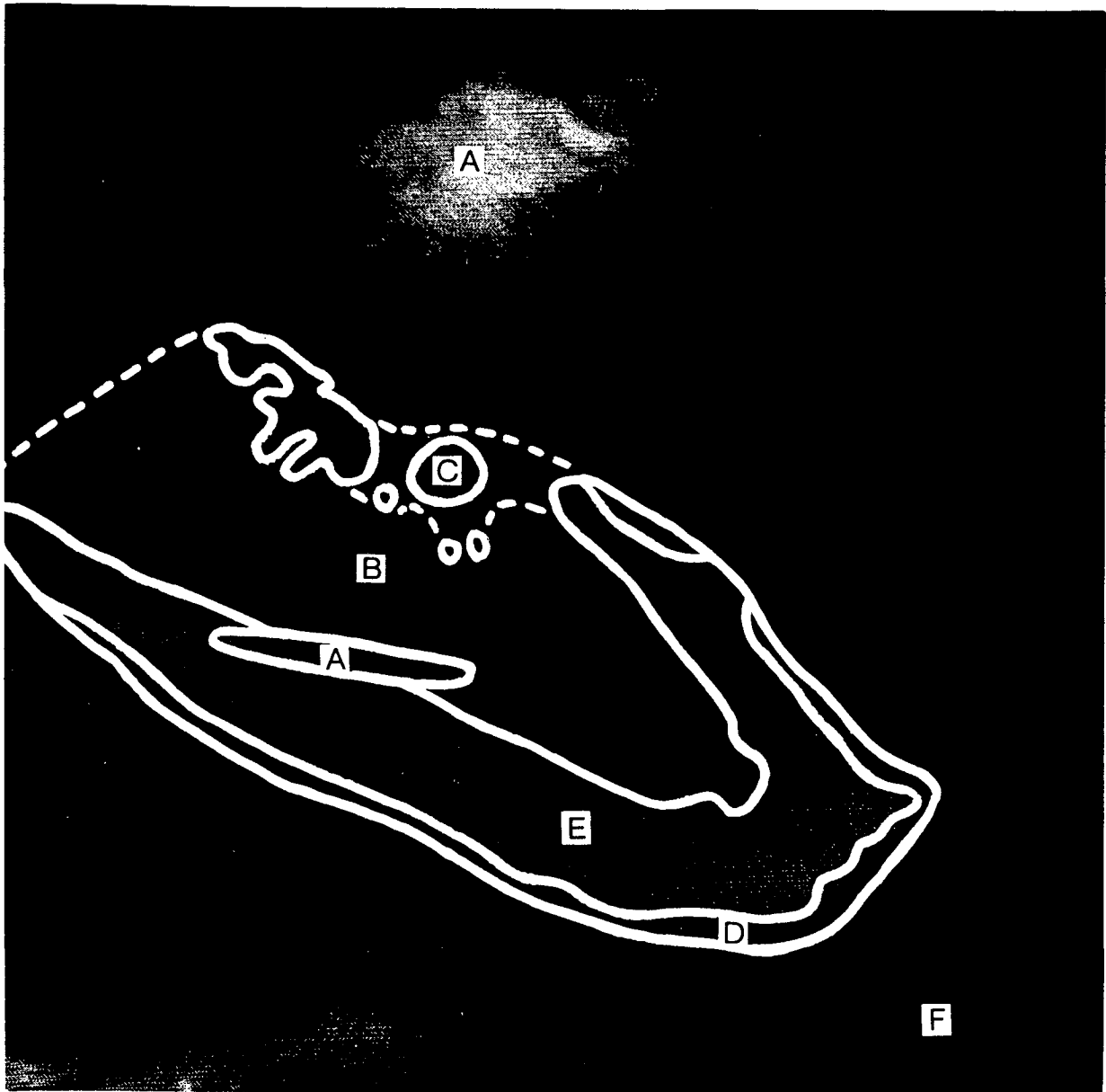
15	N	N	N	17

(E)

5

(F)

Figure 3. Landsat MSS image of Cairns Reef, GBR.



Example 5.2

This example is based on the aerial photograph of Green Island which makes up Figure 5.

Figure 4. Flow-diagram illustrating the use of the classification system with a recording card.

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For this example, PCS = Primary categorising structure;  
and SCS = Secondary categorising structure.

Instructions

Use of  
data recording card

START

record information at top of  
data recording card

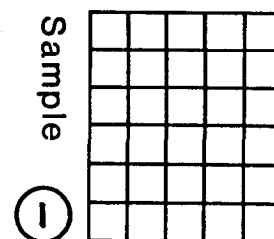
DRC No. : 1  
Date : 4.4.83  
Reef : Green Island  
Time/type: Aerial photo  
Tide : 1 m  
Recorder : DK  
Site : 1

record sample number in  
circle at bottom left of  
grid

actively survey sample site  
for zonation and reef cover

go to Level I

read each entry



PCS

select one entry

20-Inner reef flat

record entry using its  
numeric label in the  
top left grid cell

Sample

①

20				

SCS scan Level I to determine  
any other entries for use Yes

if Yes, MENTALLY note them 26-Seagrass zone

go to Level II

read each entry

PCS select one entry 5-Slope

SCS scan Level II to determine  
any other entries for use No

if Yes, MENTALLY note them

PCS record one entry from Level II  
in second column of row one

①

20	5			

go to Level III

read each entry

PCS select one entry 26-Sand

SCS scan Level III to determine  
any other entries for use No

if Yes, MENTALLY note them

PCS record one entry from Level III  
in third column of row one

①

20	5	26		

go to Level IV

read each entry

PCS select one entry 6-Gentle

SCS scan Level IV to determine  
any other entries for use Yes

if Yes, MENTALLY note them 27-Medium grained  
if No, continue

PCS record one entry from Level IV  
in column four of row one

20	5	26	6	

go to Level V

(1)

read each entry

SCS select one or more entries 16-0.5 to 1.0 m  
7-20 to 30%

SCS record entries from Level V  
in column five of row one

20	5	26	6	16
				7

Sample

(1)

PCS if more than one Level V category  
is recorded, complete the primary  
classification structure for each  
category by repeating the Level I  
to IV categories in successive rows

go back to Level I entries

20	5	26	6	16
20	5	26	6	7

(1)

SCS

select any other categories  
from Levels II to IV which  
need to be recorded in  
relation to the current  
Level I entry

Yes, Level IV  
27-Medium grained

if Yes, complete 1 to 5 below  
if No, skip steps 1 to 5

1. repeat current Level I entry

①

20	5	26	6	16
20	5	26	6	7
20				

2. make another recording for  
any of the Levels II to IV or  
repeat current entries

①

20	5	26	6	16
20	5	26	6	7
20	5	26	27	

3. make as many entries as are  
necessary for Level V

4. if more than one Level V  
category is recorded, complete  
the primary classification for  
each category by repeating the  
Level I to V categories

①

Sample

20	5	26	6	16
20	5	26	6	7
20	5	26	27	N

5. find any other categories  
from Levels II to V which  
need to be recorded in  
relation to the current  
Level I entry

No

if Yes, return to step 1  
if No, continue

go back to Level I categories

SCS

select any other entries  
to recall from memory for  
Level I

Yes

26-Seagrass zone

if Yes, continue reiteration  
process  
if No, classification is complete

Reiteration process

record an entry from Level  
I in column one of next row  
available

①

20	5	26	6	16
20	5	26	6	7
20	5	26	27	N
26				

select entry from Level II

9-Coral head

SCS

scan Level II for other  
entries for use

Yes

if Yes, MENTALLY note them

26-Sand patch

record the entry from Level  
II in column two

①

20	5	26	6	16
20	5	26	6	7
20	5	26	27	N
26	9			



SCS select one entry  
from Level III 23-Coral

SCS scan Level III for other  
entries for use No

if Yes, MENTALLY note them

record one entry for Level III

①

20	5	26	6	16
20	5	26	6	7
20	5	26	27	N
26	9	23		

SCS select one entry  
from Level IV 7-Live state

SCS scan Level IV for other  
entries for use No

if Yes, MENTALLY note them

record one entry for Level IV

①

Sample

20	5	26	6	16
20	5	26	6	7
20	5	26	27	N
26	9	23	7	

SCS select one or more entries  
from Level V 14-90 to 100%  
18-2 to 3 m

SCS record all entries  
from Level V

PCS if more than one Level V  
category has been recorded,  
repeat all previous entries  
for Levels I to IV

①

20	5	26	6	16
20	5	26	6	7
20	5	26	27	N
26	9	23	7	14
				18

go back to Level I entry

locate any other categories  
from Levels II to IV which  
must be recorded in relation  
to the current Level I entry

①

20	5	26	6	16
20	5	26	6	7
20	5	26	27	N
26	9	23	7	14
26	9	23	7	18

Yes

Level II - 26-Sand patch

Level III - 26-Sand

Level IV - 18-Circular

Level V - 2 to 3 m

if Yes, complete 1 to 5 below

if No, skip steps 1 to 5

1. repeat current Level I entry

①

20	5	26	6	16
20	5	26	6	7
20	5	26	27	N
26	9	23	7	14
26	9	23	7	18
26				

2. make another recording for any  
of the Levels II to IV, or repeat  
their current entries

3. make as many entries as are  
necessary for Level V

①

20	5	26	6	16
20	5	26	6	7
20	5	26	27	N
26	9	23	7	14
26	9	23	7	18
26	26	26	18	

4. if more than one Level V  
category is recorded, complete  
the primary classification for  
each category by repeating all  
other Levels

①

20	5	26	6	16
20	5	26	6	7
20	5	26	27	N
26	9	23	7	14
26	9	23	7	18
26	26	26	18	18

5. locate any other categories  
from Levels II to V which must  
be recorded in relation to the  
current Level I entry

Yes

Level III - 22-Seagrass

Level IV - 12-Patched Pn

Level V - 14-90%

- 19-3 to 4 m

if Yes, complete 1 to 5 below  
if No, skip steps 1 to 5

1. repeat current  
Level I entry

26				

2. make another recording  
for any of the Levels II to  
IV, or repeat current entries

26	N	22	12	

3. make one or more  
recordings for Level V

26	N	22	12	14
				A

4. if more than one Level V  
category is recorded, complete  
the primary classification for  
each category by repeating the  
Level I to IV categories,

26	N	22	12	14
26	N	22	12	17

5. locate any other categories  
from Levels II to V which must  
recorded in relation to the  
current Level I entry

No

if Yes, go back to step 1  
if No, continue

go back to Level I categories

SCS

locate any other entries  
to recall from memory for  
Level I

No

if Yes, work through the reiteration process  
if No, classification is complete

END

Figure 5. Aerial photograph of Green Island Cay (GBR) and surrounding reef flat. Sample site 1 is delineated.

