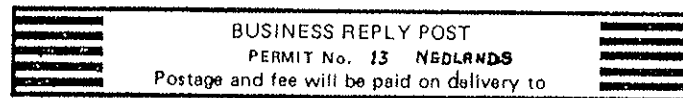


No postage stamp required
if posted in Australia



National Parks Authority
Hackett Drive
NEDLANDS W.A. 6009

- 11 What feature(s) of the Reef are important to you.
(If more than one feature is important, please
number your preferences and indicate location).

- | | |
|-------------------------------------|------------------|
| <input checked="" type="checkbox"/> | Scenic value |
| <input type="checkbox"/> | Swimming |
| <input type="checkbox"/> | Beachcombing |
| <input checked="" type="checkbox"/> | Fishing |
| <input checked="" type="checkbox"/> | Diving |
| <input checked="" type="checkbox"/> | Snorkelling |
| <input type="checkbox"/> | Shell collecting |
| <input type="checkbox"/> | Game fishing |
| <input type="checkbox"/> | Boating |
| <input type="checkbox"/> | Other |
| <input type="checkbox"/> | Other |

WHERE

WITHIN 20KMS AREA
OF CAMPSITE

Please fold the form as indicated and mail. (Postage has already been paid)

North West Cape VISITOR SURVEY

Code

PLEASE FILL OUT ONE FORM PER VEHICLE

The National Parks Authority, in conjunction with other government departments is
formulating guidelines for management of the proposed Marine Park and adjacent
coastline. Please help us to plan for management and provision of facilities as
effectively as possible by answering the following questions.
Your answers will be anonymous; only your place of residence is sought.

1. ON WHAT DATE DID YOU REACH THE AREA 16 MAY 1983
2. HOW MANY ARE TRAVELLING IN YOUR VEHICLE (DON'T FORGET YOURSELF) 4
3. HOW MANY ARE IN EACH CATEGORY
- | | UP TO 12 | 13 TO 20 | 21 TO 40 | 41 TO 60 | OVER 60 YEARS |
|--------|----------|----------|----------|----------|---------------|
| MALE | 1 | | | 1 | |
| FEMALE | | 1 | 1 | | |
4. WHAT IS EACH PERSON'S PLACE OF RESIDENCE, TOWN/SUBURB/STATE, POSTCODE, NO. FROM EACH PLACE
- | PLACE OF RESIDENCE | TOWN/SUBURB/STATE | POSTCODE | NO. FROM EACH PLACE |
|--------------------|-------------------|----------|---------------------|
| 38 HUDSON STREET | BAYSWATER | 6053 | 3 |
| 36 ECLIPSE WAY | BECKENHAM | 6107 | 1 |
5. WHAT TYPE OF VEHICLE IS YOUR PARTY TRAVELLING IN (PLEASE TICK THE RELEVANT BOX)
- CONVENTIONAL ☐ 4WD VEHICLE ☒
- CAMPVAN ☐ MOTOR CYCLE ☐ OTHER ☐
6. WHAT EQUIPMENT HAS YOUR PARTY BROUGHT ALONG ON THIS TRIP
- NONE ☐ CARAVAN ☐ TENT ☒ BOAT ☒
- TRAILER ☒ FISHING ☒ TRAIL BIKE ☐
- GENERATOR ☒ OTHER ☐ FREEZER
7. HOW LONG WILL YOU BE IN THE AREA: DAYS 10...NIGHTS 10...IF ON A DAY TRIP
IN HOURS.....
8. HAVE ANY OF YOUR PARTY VISITED THE AREA BEFORE YES ☒ NO ☐
9. WHERE DID YOU FIRST FIND OUT ABOUT THE AREA AS A PLACE TO VISIT (PLEASE TICK RELEVANT BOX AND INDICATE LOCATION)
- | | |
|-------------------------------------|--------------------------|
| <input type="checkbox"/> | FRIENDS/RELATIVES |
| <input checked="" type="checkbox"/> | OTHER TRAVELLERS |
| <input type="checkbox"/> | TOURIST BUREAU |
| <input type="checkbox"/> | TRAVEL AGENT |
| <input type="checkbox"/> | PARK SERVICE |
| <input type="checkbox"/> | SERVICE STATION |
| <input type="checkbox"/> | MOTEL/HOTEL/CARAVAN PARK |
| <input type="checkbox"/> | MAPS/BROCHURES ETC. |
| <input type="checkbox"/> | RADIO/PRESS/T.V. |
- OTHER (PLEASE SPECIFY)

TOUR OPERATORS

PLEASE INDICATE THE NAME OF YOUR OPERATION
ANSWER Qs 3, 4 & 8 AS FAR AS POSSIBLE AND DELETE Q9.

NOW PLEASE FILL IN THE MAP OVERLEAF AS PER Q10

10

On the attached map please mark in:

1. which way you came into the coast by an arrow \rightarrow on the road you used
2. which way you intend to leave by an arrow \leftarrow indicating the direction on the road you intend to use.

Be sure to show 2 arrows, even when they are on the same road.

Show the areas you visited along the coast by:

3. circling the relevant names on the map
4. marking additional unnamed areas with an X

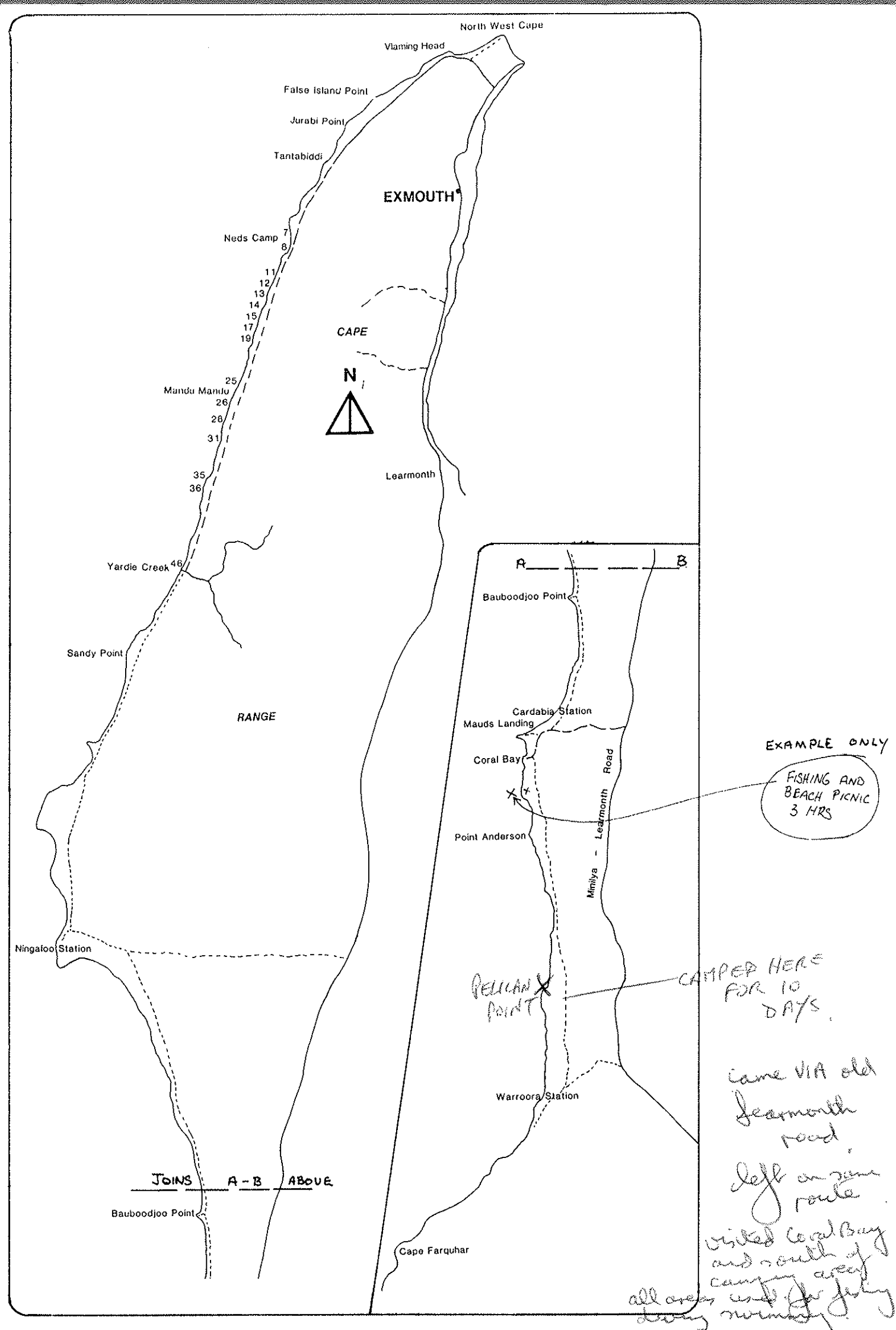
Please also indicate the time spent, days or hours and the activities undertaken at each place by:

5. writing alongside the map, circling the information and putting an arrow to the site, as with the examples given.

Please make any comments you wish in the space below about your visit to the area, level of management, facilities etc.

Lack of water is the only problem.

Thank you for your help.



Richard,

These are the final results. There ~~are~~^{is} a pile survey forms which have not been analyzed for any of their data. I have left them upstairs with the other piles of forms.

I have not been able to ascertain the final cut-off return date to which the summaries of reef features and questions 1-9 relate because many of the forms came in when Sue was on leave & I was at D.C.E. They were not, therefore, dated. The general comments, ^(i.e. question 10) from these forms have NOT been taken into consideration as my work on that area had finished before they came in. HOWEVER, information relating to the features of the reef (Q.11) and Questions 1-9 on page one of the survey forms ^{has} been collected & included in these summaries. There are 19 code 11 forms which fall into this category and one code 9 form. They are upstairs next to the pile of forms which have not had any data collected.

Hope this isn't too confusing. If you have any problems, don't hesitate to call me at ~~work~~ D.C.E.

Jan.

NORTH WEST CAPE VISITOR SURVEY

SUMMARY OF BATCH No. 1 (→ 20th SEPT. 1982)

QUESTIONS 1 TO 9

1. Total number of survey forms received = 469

2. Total number of people = 1581

3. Age Groups :-

1. Male up to 12 = 186

11.76%

2. " 13 - 20 = 115

7.27%

3. " 21 - 40 = 264

16.69%

4. " 41 - 60 = 183

11.57%

5. " over 60 = 81

5.12%

Sub-total = 829

Sub-total = 52.41%

6. Female up to 12 = 163

10.30%

7. " 13 - 20 = 76

4.80%

8. " 21 - 40 = 219

13.85%

9. " 41 - 60 = 139

8.79%

10. " over 60 = 69

4.36%

Sub-total = 666

Sub-total = 42.10%

11. No age given, or incorrect age group = 86

5.43%

9.

4. Place of residence :- Western Australia = 1421

89.87%

Other states = 128 (N.S.W. 48; VIC. 41; QLD 21;
S.A. 9; A.C.T. 6; TAS. 3)

8.09%

Overseas = 15 (Canada 4; West Germany 3;
New Zealand 3; Switzerland 2;
Phillipines 1; Singapore 1)

0.94%

1.07%

Unknown = 17

5. Type of vehicle :- 1. Conventional = 283

58.59%

2. 4 W.D. = 148

30.64%

3. Campervan = 35

7.24%

4. Motor Cycle = 1

0.20%

5. Other = 15 (13 unknown; 1 van; 1 coach)

3.10%

0.20%

Unknown = 1

Total number of vehicles = 483

6. Equipment :-

1. None = 31	2.69%
2. Caravan = 180	15.63%
3. Tent = 206	17.89%
4. Boat = 174	15.18%
5. Trailer = 99	8.60%
6. Fishing = 267	23.19%
7. Trail Bike = 11	0.95%
8. Generator = 116	10.07%
9. Other = 67 (64 unknown; 1 freezer; 1 toilet; 1 camper trailer)	5.82%

7. Length of stay :- Days = 7,890 + 1 permanent resident
Hours = 8

8. Have any of your party visited the area before :-

Yes = 308	65.67%
No = 160	34.11%
Unknown = 1	0.2%

9. First found about the area through:-

1. Friends/Relatives = 314	56.78%
2. Other Travellers = 85	15.37%
3. Tourist Bureau = 15	2.71%
4. Travel Agent = 1	0.18%
5. Park Service = 6	1.08%
6. Service Station = -	0.00%
7. Motel/Hotel/Crn Park = 3	0.54%
8. Maps/Brochures etc. = 75	13.56%
9. Radio/Press/T.V. = 12	2.17%
10. Other = 42 (34 unknown; 2 general knowledge; 1 newspaper; 1 war service; 1 general touring; 1 work visit; 1 M.M.A.; 1 around Australia trip)	7.59%

Average size of group = $\frac{\text{total no. of people}}{\text{total no. of survey forms}} = 3.37 \text{ people}$

Average no. of people per vehicle = $\frac{\text{total no. of people}}{\text{total no. of vehicles}} = 3.27 \text{ people}$

Average length of stay per group = $\frac{\text{total length of stay in days}}{\text{total no. of survey forms}} = 17.60 \text{ days}$

NORTH WEST CAPE VISITOR SURVEY

SUMMARY OF BATCH NO. 2 (20TH SEPT. 1982 →)

QUESTIONS 1 TO 9

1. Total number of survey forms received = 472
 2. Total number of people = 1377
 3. Age Groups :-
 1. Male up to 12 = 105 7.62 %
 2. " 13 - 20 = 81 5.88 %
 3. " 21 - 40 = 219 15.90 %
 4. " 41 - 60 = 168 12.20 %
 5. " over 60 = 86 6.24 %
 - Sub-total = 659 Sub-total = 47.84 %
 6. Female up to 12 = 114 8.28 %
 7. " 13 - 20 = 61 4.43 %
 8. " 21 - 40 = 195 14.16 %
 9. " 41 - 60 = 151 10.96 %
 10. " over 60 = 59 4.28 %
 - Sub-total = 480 Sub-total = 42.11 %
 11. No age group given, or incorrect age group = 138 10.02 %
-
4. Place of residence :-
 - Western Australia = 1,020 74.94 %
 - Other States = 300 (VICT. 118; N.S.W. 78; QLD 46; S.A. 31; TAS. 11; N.T. 11; A.C.T. 5) 22.04 %
 - Overseas = 41 (New Zealand 7; U.S.A. 7; New Guinea 5; Scotland 2; Belgium 2; Denmark 2; Switzerland 2; Saudi Arabia 2; Holland 1; England 1; France 1; U.K. 1; Canada 1) 3.01 %
-
5. Type of vehicle :-
 1. Conventional = 208 43.33 %
 2. 4 W.D. = 200 41.66 %
 3. Campervan = 50 10.41 %
 4. Motor cycle = 2 0.41 %
 5. Other = 19 (7 buses; 4 planes; 2 trucks; 2 unknown; 1 ute; 1 commercial; 1 transit van; 1 25 wt T/Top) 3.96 %
 - Unknown = 1 0.21 %

Total number of vehicles = 480

APPROX 2.8' per vehicle

2. <u>Equipment</u> :-	1. None = 37	3.30%
	2. Caravan = 161	14.36%
	3. Tent = 187	16.68%
	4. Boat = 166	14.80%
	5. Trailer = 86	7.67%
	6. Fishing = 267	23.82%
	7. Trail Bike = 17	1.52%
	8. Generator = 126	11.24%
	9. Other = 74 (12 diving; 11 unknown; 8 camper trailers; 5 cameras; 4 freezers; 3 binoculars; 3 photography; 3 diving and orienteering; 2 canoes; 2 stores; 2 fridges; 2 camping equipment; 2 cooking gear; 1 gas, fridge, + water; 1 water; 1 shower; 1 yacht; 1 sunwagon; 1 toilet and shower; 1 windsurfer; 1 pushbike + freezer; 1 mineral detector; 1 odyssey; 1 golf club, cooking, battery and gas; 1 bike; 1 fossicking pick; and 1 scientific gear)	6.60%

7. Length of stay :- Days = 4,379
 Hours = -
 Unknown = 2

8. Has one of your party visited the area before? :- Yes = 251 53.18%
 No = 220 46.61%
 No answer = 1 0.21%

9. First found out about the area through :-

1. Friends/Relatives = 268	46.44%
2. Other Travellers = 85	14.73%
3. Tourist Bureau = 27	4.68%
4. Travel Agent = 1	0.
5. Park Service = 21	0.

- | | |
|---|--------|
| 6. Service Station = 2 | 0.34% |
| 7. Motel/Hotel/Crn Park = 5 | 0.86% |
| 8. Maps/Brochures etc. = 120 | 20.79% |
| 9. Radio/Press/T.V. = 14 | 2.42% |
| 10. Other = 34 (7 unknown; 3 roadsigns; 3 worked in area; 3 touring; 2 private exploration; 2 R.A.C.; 1 book - National Parks of Australia; 1 T.V.; 1 Australian Conservation Foundation; 1 NRMA Book of National Parks; 1 ex-resident of Exmouth; 1 luck; 1 school; 1 interest in National Parks; 1 holiday stopover; 1 Perth Natural History Museum; 1 fishing magazine; 1 was Government Publicity Officer; 1 travelling; 1 interest in areas accessible from Perth) | 5.89% |

$$\text{Average size of group} = \frac{\text{total no. of people}}{\text{total no. of survey forms}} = 2.92 \text{ people}$$

$$\text{Average no. of people per vehicle} = \frac{\text{total no. of people}}{\text{total no. of vehicles}} = 2.87 \text{ people.}$$

$$\text{Average length of stay per group} = \frac{\text{total length of stay in days}}{\text{total number of survey forms}} = 9.28 \text{ days}$$

FEATURES OF THE REEF (Q.11.)

SUMMARY NORTH WEST CAPE VISITOR SURVEY

	NO. OF POINTS	%AGE OF POINTS
① SCENIC VALUE	5000	19.93%
② FISHING	4765	18.99%
③ SWIMMING	3929.5	15.66%
④ BEACHCOMBING	2630	10.48%
⑤ SHELL COLLECTING	2374.5	9.46%
⑥ SNORKELLING	2155	8.59%
⑦ BOATING	1964.5	7.83%
⑧ DIVING	1302	5.19%
⑨ GAME FISHING	959.5	3.82%

TOTAL POINTS 25,080

POINTS SYSTEM

People were asked to rank their preferences in relation to the features of the reef. Format below

<input type="checkbox"/> SCENIC VALUE	Number	1	preference received	9	points
<input type="checkbox"/> SWIMMING	"	2	"	8	"
<input type="checkbox"/> BEACHCOMBING	"	3	"	7	"
<input type="checkbox"/> FISHING	"	4	"	6	"
<input type="checkbox"/> DIVING	"	5	"	5	"
<input type="checkbox"/> SNORKELLING	"	6	"	4	"
<input type="checkbox"/> SHELL COLLECTING	"	7	"	3	"
	"	8	"	2	"

		HANDED OUT	RETURNED	% AGE
WARROORA	CODE 1	74	27	36.48%
CARDABIA	CODE 2	81	25	30.86%
NINGALOO	CODE 3	145	62	42.75%
HOTEL/PEOPLES PARK	CODE 4	370	64	17.29%
BAY VIEW	CODE 5	220	98	44.54%
POTSHOT	CODE 6	160	16	10%
NORCAPE	CODE 7	81	5	6.17%
EXMOUTH C/PARK	CODE 8	187	34	18.18%
TOURIST BUREAU	CODE 9	357	79	22.12%
SHIRE	CODE 10	-	-	0%
NATIONAL PARK	CODE 11	758	52	6.86%
NORCAPE C/PARK	CODE 12	15	4	26.66%
ARGOSY TOURS	CODE 13	9	1	11.11%

CODE 1 WARBOORA (27 RESPONDENTS)

FISHING	180.5	22.59%
SCENIC VALUE	124	15.51%
SWIMMING	117.5	14.70%
SHELL COLLECTING	78	9.76%
BEACHCOMBING	75.5	9.44%
SNORKELLING	60.5	7.57%
BOATING	57.5	7.19%
DIVING	44	5.50%
GAME FISHING	10	1.25%

OTHER:

ISOLATION	22	2.75%
CAMPING NEAR BEACH	8	1.00%
CAMPING IN ISOLATION	8	1.00%
EXPLORING	7	0.87%
MARINE LIFE	6.5	0.81%

799

CODE 2 CARDABIA (25 RESPONDENTS)

FISHING	134	17.68%
SCENIC VALUE	129.5	17.09%
SHELL COLLECTING	85.5	11.28%
BOATING	78.5	10.36%
BEACHCOMBING	74	9.76%
DIVING	71	9.37%
SNORKELING	56	7.39%
SWIMMING	46.5	6.13%
GAME FISHING	35.5	4.68%

OTHER :

RELAXING	12	1.58%
UNDERWATER PHOTOGRAPHY	8	1.05%
CAMPING	6.5	0.85%
SAFE FOR KIDS	6.5	0.85%
PEACEFUL	6	0.79%
ISOLATION	4	0.52%
PRIVACY	4	0.52%

757.5

CODE 3 NINGALOO (62 RESPONDENTS)

FISHING	397	18.97%
SCENIC VALUE	317.5	15.17%
SWIMMING	250	11.95%
SHELL COLLECTING	219.5	10.49%
BOATING	218.5	10.44%
BEACH COMBING	189	9.03%
SNORKELLING	161	7.69%
DIVING	151.5	7.24%
GAME FISHING	117.5	5.61%

OTHER :

CLIMBING	10	0.47%
CAMPING	9	0.43%
ISOLATION	8.5	0.40%
WARM WEATHER	7	0.33%
WILDLIFE STUDY	7	0.33%
VISITING ABD ^L CAVES	6.5	0.31%
OYSTERS	6.5	0.31%
BEACH FOR KIDS	6	0.28%
UNDERWATER PHOTOGRAPHY	5	0.23%
WRECK EXPLORATION	5	0.23%
	<u>2092</u>	

CODE 3, NINGALOO (13 RESPONDENTS)

SCENIC VALUE	76	19.68%
FISHING	72	18.65%
SWIMMING	53	13.73%
SNORKELLING	38	9.84%
SHELL COLLECTING	33.5	8.87%
BEACHCOMBING	30	7.77%
BOATING	25	6.47%
DIVING	19	4.92%
GAME FISHING	7	1.81%

OTHER :

UNDERWATER PHOTOGRAPHY	8	2.07%
RELAXING, PEACEFUL	6.5	1.68%
OBSERVING MARINE LIFE	6.5	1.68%
COASTAL APPRECIATION	6	1.55%
CORAL FORMATIONS	5.5	1.42%

386

CODE 4 HOTEL/PEOPLE'S PARK
(64 RESPONDENTS)

SCENIC VALUE	368.5	19.14 %
SWIMMING	326	16.93 %
FISHING	309	16.05 %
SNORKELLING	192	9.97 %
SHELL COLLECTING	184	9.55 %
BEACHCOMBING	156.5	8.12 %
BOATING	150	7.79 %
GAME FISHING	94.5	4.90 %
DIVING	81.5	4.23 %

OTHER :

SUNBAKING	20.5	1.06 %
ISOLATION	9	0.46 %
RELAXING	7	0.36 %
4 WHEEL DRIVING	5.5	0.28 %
SURF SKIING	5	0.25 %
PEACEFUL	4.5	0.23 %
OPEN AREAS	4.5	0.23 %
SUNSHINE	4	0.20 %
NATURE TRAINING FOR KIDS	3	0.15 %

1925

CODE 4 HOTEL/PEOPLE'S PARK
(18 RESPONDENTS)

SCENIC VALUE	128.5	28.42%
SWIMMING	95.5	21.12%
FISHING	77.5	17.14%
SNORKELLING	46.5	10.28%
SHELL COLLECTING	30	6.63%
BEACH COMBING	26.5	5.86%
DIVING	23.5	5.19%
BOATING	15	3.31%

OTHER :

LITTER FREE ENVIRONMENT 9 1.99%

452

CODE 5 BAY VIEW (98 RESPONDENTS)

SCENIC VALUE	504	16.51 %
FISHING	504	16.51 %
SWIMMING	474.5	15.54 %
SNORKELING	310.5	10.17 %
BOATING	290.5	9.51 %
BEACHCOMBING	242.5	7.94 %
GAME FISHING	225	7.37 %
DIVING	212	6.94 %
SHELL COLLECTING	201	6.58 %

OTHER

RELAXING	28.5	0.93 %
CORAL VIEWING	9	0.29 %
WEATHER	9	0.29 %
SPEARFISHING	8	0.26 %
ISOLATION	8	0.26 %
SUNBATHING	7	0.22 %
OYSTERING	6	0.19 %
SAFE BEACH	5	0.16 %
DRINKING	4	0.13 %
BIRDWATCHING	3	0.09 %
WALKING	1	0.03 %

3052.5

CODE 5 BAY VIEW (106 RESPONDENTS)

SWIMMING	541.5	18.37%
SCENIC VALUE	526.5	17.86%
FISHING	524	17.77%
BEACHCOMBING	280	9.49%
SNORKELLING	272.5	9.24%
SHELL COLLECTING	235.5	7.98%
BOATING	224.5	7.61%
GAME FISHING	140.5	4.76%
DIVING	131	4.44%

OTHER :

SCENIC WALKS	16	0.54%
PEACEFUL, RELAXING	13.5	0.45%
UNSPOILT NATURE	7.5	0.25%
WEATHER	7	0.23%
PROTECTED HARBOUR	6.5	0.22%
AQUARIUM SPECIMENS	6	0.20%
BEAUTIFUL CAMP AREA	5	0.16%
GLASS BOTTOM BOAT	4	0.13%
CAMPING	3	0.10%
ISOLATION	3	0.10%

2947.5

CODE 6

POTSHOT (16 RESPONDENTS)

SCENIC VALUE	44	37.6 %
FISHING	9	7.69 %
BEACHCOMBING	8	6.83 %
SWIMMING	8	6.83 %
SHELL COLLECTING	7	5.98 %

OTHER :

DRINKING	17	14.52 %
FLORA + FAUNA	16	13.67 %
GEOLOGICAL SITES	8	6.83 %
	<u>117</u>	

CODE 6

POTSHOT (5 RESPONDENTS)

SWIMMING	9	15.78%
BEACHCOMBING	8	14.03%
FISHING	8	14.03%
DIVING	8	14.03%

OTHER

SKINNYDIPPING	8	14.03%
SUNBATHING	8	14.03%
PRIVACY	8	14.03%
	<u>57</u>	

CODE 7 NORCAPE (5 RESPONDENTS)

SCENIC VALUE	28.5	25.44
FISHING	17	15.17
GAME FISHING	17	15.17
SWIMMING	13.5	12.05
BEACHCOMBING	10	8.92
BOATING	7	6.25
DIVING	6.5	5.8
SNORKELLING	6.5	5.8
SHELL COLLECTING	2	1.78

OTHER :

SHOPPING 4 3.57

112

CODE 7

NORCAPE (10 RESPONDENTS)

SCENIC VALUE	231	22.78
FISHING	184	18.14
SWIMMING	124.5	12.27
SHELL COLLECTING	119	11.73
BEACHCOMBING	105	10.35
SNORKELLING	83.5	8.23
BOATING	69	6.8
GAME FISHING	44.5	4.38
DIVING	26.5	2.61
	<u>987.0</u>	

OTHER :

CAMPING OUT	14	1.38
UNDERWATER PHOTOGRAPHY	6.5	0.64
UNSPOILT	<u>6.5</u>	0.64
	<u>27</u>	

CODE 8 EXMOUTH C/PARK (34 RESPONDENTS)

FISHING	196.5	21.22%
SCENIC VALUE	180.5	19.49%
SWIMMING	140.5	15.17%
BEACHCOMBING	122	13.17%
SHELL COLLECTING	113	12.20%
BOATING	48	5.18%
SNORKELLING	39	4.21%
DIVING	37	3.99%
GAME FISHING	37	3.99%

OTHER

PEBBLES	6.5	0.70%
PICNICKING	6	0.64%

926

CODE 8/ EXMOUTH C/PARK
(5 RESPONDENTS)

SCENIC VALUE	24	31.16 %
SWIMMING	17	22.07 %
FISHING	9	11.68 %
BEACHCOMBING	7	9.09 %
SHELL COLLECTING	6	7.79 %
BOATING	6	7.79 %

OTHER:

CAMPING

8
77

10.38 %

CODES 9 AND 9

T/BUREAU

(110 RESPONDENTS < 79 for 9
32 for 9)

SCENIC VALUE	409.5	23.14
FISHING	353	19.95
SHELL COLLECTING	245	13.84
SWIMMING	224	12.66
BEACHCOMBING	202.5	11.44
BOATING	100	5.65
SNORKELLING	87.5	4.94
DIVING	34.5	1.95
GAME FISHING	32	1.80

OTHER :

MARINE LIFE	19	1.07
SUNSHINE	17	0.96
FLORA + FAUNA	9	0.50
HIKING	8	0.45
EXPLORING	7	0.39
NETTING FISH	5	0.28
RELAXING	5	0.28
BIRD WATCHING	4	0.22
SUNBAKING	4	0.22
NATURE TRAINING FOR KIDS	3	0.16

1769

CODE 11 NATIONAL PARK (52 RESPONDENTS)

SCENIC VALUE	270	18.18%
FISHING	252.5	17.00%
BEACHCOMBING	234	15.75%
SWIMMING	203	13.67%
SHELL COLLECTING	144.5	9.73%
BOATING	143	9.62%
SNORKELLING	130.5	8.78%
DIVING	41.5	2.79%
GAME FISHING	36	2.42%

OTHER:

GEOLOGICAL SIGNIFICANCE	9	0.60%
ISOLATED CAMPING	9	0.60%
PHOTOGRAPHY	8	0.53%
KANGAROOS	3	0.20%
WALKING IN GORGES	1	0.06%

1485

CODE 11

NP (282 RESPONDENTS)

SCENIC VALUE	1606.5	19.18%
FISHING	1509.5	18.02%
SWIMMING	1258	15.02%
BEACHCOMBING	937	11.19%
SHELL COLLECTING	751.5	8.97%
SNORKELLING	668	7.97%
BOATING	571	6.81%
DIVING	408.5	4.87%
GAME FISHING	163	1.94%

OTHER.

UNSPOILT NATURE	45	0.53%
RELAXING	39.5	0.47%
BIRDWATCHING	36.5	0.43%
PEACEFULNESS	34	0.40%
WILDLIFE	30.5	0.36%
WALKING	19.5	0.23%
SAFE WATERS	18.5	0.22%
PHOTOGRAPHY	17	0.20%
FLORA + FAUNA	16	0.19%
FLORA	15.5	0.18%
UNDERWATER PHOTOGRAPHY	14.5	0.17%
ISOLATION	12	0.14%
UNIQUENESS	9	0.107%
BOARDSAILING OVER REEF	9	0.107%
ACCESSIBILITY OF REEF - EDUCATIONAL	9	0.107%
FREEDOM	8.5	0.101%
REEF VIEWING	8	0.09%

CAMPING	6.5	0.077%
GORGES	6	0.071%
SUNBATHING	6	0.071%
LOW TIDE FOSSICKING	6	0.071%
BBO + PICNIC	6	0.071%
DRINKING	5.5	0.065%
CORAL OBSERVING	5.5	0.065%
EDUCATIONAL	5	0.059%
CAMPING	5	0.059%
SURFING	4	0.047%
CLIMATE	2	0.023%

8373

CODE 12 (4 RESPONDENTS) NORCAPE C/PARK

SCENIC VALUE	31.5	19.44%
FISHING	28.5	17.59%
SWIMMING	27.5	16.97%
BEACHCOMBING	22.5	13.88%
SHELL COLLECTING	19.5	12.03%
BOATING	18.5	11.41%
DIVING	6	3.70%
SNORKELLING	3	1.85%

OTHER :

DISCOVERING REEF CREATURES	3	1.85%
CORAL + PLANT LIFE	2	1.23%
	<u>162</u>	

NORTH WEST CAPE

VISITOR SURVEY

STATS TO TUES. SEPT. 13 1

ENCLOSED

[GENERAL COMMENTS

FACILITIES IN GENERAL AREA

FISHING

FUTURE OF THE REEF AND GENERAL AREA

PROJECTS

ROADS

SIGNPOSTS

TOURIST BUREAU AND TOURIST SERVICES

[ATTRACTIONS OF THE AREA

GENERAL COMPLAINTS

[NATIONAL PARK

[ACCOMMODATION:-

EXMOUTH TOWN COUNCIL CARAVAN PARK

NORCAPE LODGE CARAVAN PARK

NORCAPE LODGE FISHERMEN'S HUTS

CORAL BAY TOURIST HOTEL/MOTEL

POT SHOT INN

WAROORA, CARDABIA AND NINGALOO STATIONS

PIONEER CARAVAN PARK

CAMPSITES - GENERAL

PEOPLE'S CARAVAN PARK - CORAL BAY

BAYVIEW VILLAGE CARAVAN PARK - CORAL BAY

CARAVAN PARKS - GENERAL

[TOWNSHIPS :-

GENERAL COMMENTS

GENERAL MANAGEMENT LEVEL - Good
- Fair

20

1

WILL RETURN to the area

69

SHOULD BE RANGERS or patrolmen of some kind
to enforce any laws or regulations

23

FACILITIES IN GENERAL AREA

<u>GENERALLY GOOD</u>	18
ADEQUATE	19
LACKING	6

TOILETS

GENERALLY WELL KEPT	7
" NOT WELL KEPT	2
MORE REQUIRED	8

WATER, SHOWERS

FRESH WATER lacking	12
" " showers lacking	1
MORE SHOWERS required	3

RECREATION FACILITIES

LACKING. WOULD LIKE ...	
TV	1
PICNIC FACILITIES	1
BBQs	3
FACILITIES FOR MOTORBIKE + ODYSSEY	2

JETTIES + BOAT RAMPS

MORE BOAT RAMPS REQUIRED	9
All " " too narrow	2
Boat ramp closer to end of Cape required	1
" launching facilities at 12 + 31 "	1
Safe " ramp on S. side of Pt. Maud required	1
Permanent all weather boat ramp + jetty required	2
Access to naval jetty desirable	1
Longer jetty out of reserve near Mauds Landing	1

RUBBISH DISPOSAL

MORE BINS required	1
NO MORE BINS required	2
RUBBISH HOLES useful - more, please.	2

REST AREAS

AS IN QUEENSLAND with septic systems and water available would be welcomed	1
--	---

SUMMARY

66.66% comments were complimentary
33.33% " " critical

PLUS

38 suggestions were made
↳ 36 suggested improvements
↳ 2 favoured no change

FISHING

SUGGESTED CHANGES

BAN the practise of netting fish	28
LIMIT the number of fish taken	20
BAN the taking of undersized fish	14
BAN professional fishermen	1

SET AREAS ASIDE FOR :-

LINE FISHING	2
WET "	1
FISH CLEANING	1

FISH CLEANING FACILITIES required 1

SUMMARY

98.52% of comments received favoured ^{the imposition of} ~~stringent~~ controls on fishing in the area.

The remaining 1.47% of comments favoured the provision of fish cleaning facilities.

FUTURE OF THE REEF AND GENERAL AREA

REEF AREA

Should be a MARINE PARK	144
" never be available for military purposes	69
" " " damaged in any way	29
" remain open to the public	9
	<hr/> 251

Should ~~not~~ be a marine park ^{only} if it ^{does not} preclude fishing
N.B. A marine park would not preclude fishing

9

CAPE RANGE NATIONAL PARK

Must remain a national park	<hr/> 16
-----------------------------	----------

GENERAL AREA

Should not be further developed	67
Defined camping areas not wanted	2
	<hr/> 69

SUMMARY

Reef Area - 100% of comments received favoured protection of the area.

Cape Range - 100% " " " " the retention of Cape Range as a national park.

General Area - 100% of comments received favoured maintaining the area in its present form.

PROJECTS

Appreciate the start made on DUNE PROTECTION 2
DUNE PROTECTION should be emphasized 1

Appreciate the TREE PROJECT 5
Would ^{further} appreciate a COMPREHENSIVE TREE PLANTING PROJECT 10

ROADS

COMPLIMENTARY REMARKS

ROADS good

3

CRITICISMS

ROADS bad - improve for conventional vehicles

124

SPECIFIC SUGGESTIONS

Upgrade road to Coral Bay 33

" " " Yardie Creek 20

" " " Shot Hole Canyon + Charles Knife 4

" " south of Coral Bay 2

" " " Tantabiddi 2

" roads to scenic spots + beaches 7

" tracks " fishing " 3

Should be able to take coast road all the way to Tantabiddi 1

" " a ring road from Learmonth 1

Don't upgrade beyond Ned's Camp 1

Leave roads as they are so as not to commercialize
the area

5

79

SUMMARY

2.36% of comments were complimentary

97.63% " " " critical

Plus

79 suggestions were made

↳ 73 suggested improvements

↳ 6 favoured no change

SIGNPOSTS

TOURIST SIGNS

to walking tracks, showing distances of walks	6
to Aboriginal caves	5
to scenic spots, beaches etc showing distance to each	3
informing tourists of basic info such as scarcity of water	2
" " " high salt content of water	1
to explain origin & significance of wrecks etc	1

BOATING SIGNS

to direct boating enthusiasts away from the reef	1
channels should be marked out	1
markers needed	1
permanent warning navigation mark needed on shallow coral head about $\frac{1}{2}$ mile south of Coral Bay on line Red Bluff/Maud Hill	1

HAZARD SIGNS

to explain swimming hazards, if any	1
to warn people to take precautions against sandflies and midgies	1
informing people of the dangers of cleaning fish near any place frequented by people as this attracts sharks	1

LITTER SIGNS

asking people to keep the area clean	2
--------------------------------------	---

ROADS SIGNS

should indicate which roads are suitable for 4 WD only	1
--	---

FISHING SIGNS

informing fishermen of crayfish seasons, size limits etc	1
"fish nursery" & "no fishing" signs need re-painting	1

SUMMARY

30 suggested improvements.

30

TOURIST BUREAU & TOURIST SERVICES

COMPLIMENTARY REMARKS

STAFF HELPFUL	5
EXCELLENT	1
INFORMATION GOOD	2
	<u>8</u>

CRITICISMS

BROCHURES, MAPS etc inadequate	7
STAFF not knowledgeable	2
NO ACCESS on public holidays	1
INFO. about accommodation inadequate	1
	<u>11</u>

SUGGESTIONS

NAVIGATIONAL MAPS	1
MORE INFO. on flora + fauna	3
INFO. DISPLAY BOARDS	3
MAPS which detail road conditions	1
AREA should be publicised more	5
CHARTER BOATS should operate all year	1
FISHING BOAT EXCURSIONS to outer reef	1
WRECKS should be made marine museums + opened to divers	1
MORE FACILITIES should be available to help explore the reef	1
TOURS OF GORGES	1
SUPPLY NEWSPAPERS	1

SUMMARY

42.10% comments were complimentary

57.89% " " critical

PLUS

19 suggested improvements

ATTRactions OF THE AREA

VISITORS ENJOYED THEIR STAY IN THE AREA FOR ONE OR MORE OF THE FOLLOWING REASONS :-

CORAL REEF	for underwater activities (snorkling etc)	100
"	marine life variety	22
	because of its accessibility	9
	for coral viewing in glass-bottomed boat	8
GOOD FISHING		97
BEACH -	Clean, safe, attractive, good swimming	83
RELAXING,	PEACEFUL	64
UNSPOILT	NATURE	53
SCENIC	VALUE	50
WILDLIFE -	Varied + Plentiful	31
	- Tame	8
COASTLINE	interesting	21
ISOLATION		20
WEATHER		20
CLEANLINESS	OF THE area	14
SHELL	COLLECTING	12
DOGS	can enjoy large chunks of the area with their owners	7
BOATING		7
BUSHWALKING		5
TURTLE WATCHING		3
		<u>634</u>

GENERAL COMPLAINTS

VEHICLES ON BEACH, SAND DUNES etc causing damage	11
SCARCITY OF FRESH WATER	9
CORAL AND LIVE SHELLS being taken	10
FISHING poor	6
FISH REMAINS left on the beach	6
INSUFFICIENT TREES AND GRASS	6
FISH CLEANING on the beach → putrid smell	5
SHOP PRICES generally exorbitant	4
WEATHER - very windy	3
FACILITIES FOR BOAT OWNERS, very poor	3
DOMESTIC PETS a nuisance + a health hazard	3
TIMBER-STRIPPING for camp fires bad	2
LOCAL POWER too expensive - need SEC	1
DEPT. OF TOURISM gives misleading info. about reef	1
" " " brochure not up to date	1
SHOP HOURS poor	2
CAMPING AREAS are limiting beach access in many areas	1
SEA - SNAKES	1
SOUTH PASSAGE CORAL BAY dangerous	1
	<hr/> 76

SUMMARY

COMPARING GENERAL ATTRACTIONS TO GENERAL CRITICISMS

89.29 % comments were complimentary
 10.70 % " " critical

NATIONAL PARK

GENERAL COMPLIMENTS

CLEAN	22
ATTRACTIVE, SCENIC	12
PEACEFUL, RELAXING	6
EXCELLENT example of preservation	3
COMPARATIVELY ISOLATED	3
CAMPING FEES reasonably priced	2
ADEQUATELY SIGN-POSTED	1
INTERESTING	1
UNTOUCHED BEAUTY	1
CAMPsites well-organized	1
NUMBERED CAMP-SITES a good idea	1
NO GROUND-FIRES a good rule	1

* 54 *

FACILITIES

Complimentary Remarks

<u>FACILITIES</u> - adequate	20
- well managed	30
<u>ROADS</u> - good	1
- need no upgrading	1
- keep large numbers out	4

* 56 *

Criticisms

<u>FACILITIES</u> basic, poor	5
<u>WATER</u> supply inadequate	5
<u>SHOWERS</u> inadequate	3
<u>TOILETS</u> "	5
<u>ROADS</u> - need upgrading, sealing	22
- should be regularly graded, but not sealed	3
<u>TRACKS</u> to best fishing spots blocked off	1

* 44 *

SERVICES

COMPLIMENTARY REMARKS

NATIONAL PARKS BROCHURE helpful	2
LITERATURE adequate	1

SUGGESTED CHANGES

MORE INFORMATION on walking tracks, swimming areas etc	3
GREATER PUBLIC EDUCATION through lectures, film shows, brochures, organized walking tours	3
REDISTRIBUTE used brochures	1

RANGERS

COMPLIMENTARY REMARKS

HELPFUL, INTERESTED	84
	* 84 *

CRITICISMS

OFFENSIVE - too official, discourteous	3
NOT INTERESTED	1
	* 4 *

GENERAL CRITICISMS

EXPENSIVE FEES	18
GENERATORS too noisy	4
NO FIRES - building a camp fire is what camping is about	2
PROHIBITION ON DOGS a bad thing	2
TOO MANY KANGAROOS - damaging the sand dunes	2
SHOULD NOT HAVE TO PAY	1
	* 29 *

GENERAL SUGGESTIONS

GAS BBQs - coin-operated	3
COMMUNAL TIMBER OR GAS SUPPLY for fires	3
STANDARD PETROL should be available for generators	1
MORE SHADE TREES	2
SEPARATE CAR PARKING FACILITIES for campers	1
PRECISE DIRECTIONS for siting of camps	1
3 WHEELER M/C's should be allowed on the beach, but not on dunes or in the bush	1
GREATER ACCESS TO THE GORGES	4
ADDITIONAL FACILITIES would spoil the area	3
PARK is already over-managed, over-developed	3

SUMMARY

OVERALL 71.89% comments were complimentary
28.10% " " critical

PLUS

29 suggestions were made

↳ 23 suggested improvements

↳ 6 favoured no change

EXMOUTH TOWN COUNCIL CARAVAN PARK

COMPLIMENTARY REMARKS

FACILITIES good	2
fair	3
MANAGEMENT good	1
MANAGERS helpful	3
ROOMY	3
RESTAURANT pleasant + good food	2
QUIET	1
	<u>15</u>
	* 15 *

CRITICISMS

FACILITIES - bad	9
- none available in off season	2
- ABLUTION Blocks unhygienic	9
" " inadequate	10
- WATER - hot water supply inadequate	10
- fresh water lacking	3
- LAUNDRY inadequate	6
- LIGHTING insufficient	1
MANAGEMENT - buildings tatty	3
- untidy	2
- bins rarely emptied	2
- dogs' ^{manure} mess rarely cleaned up	4
MANAGERS - bad	16
NOISY	2
OVERCROWDED	7
DUSTY	3
EXPENSIVE	3
SNAKES nearby	1
	<u>93</u>
	* 93 *

SUGGESTED IMPROVEMENTS

MORE LAWN	4
SEAL ROADS	3

SUMMARY

88.88 % comments were complimentary
11.11 % " " critical
PLUS 1 suggested improvement

NORCAPE LODGE CARAVAN PARK

COMPLIMENTARY REMARKS

FACILITIES clean and adequate	45
MANAGEMENT good + area well laid out	45
friendly + obliging	2
GREEN + SHADY	2
FOOD excellent	1
Swimming Pool + BAR attractive	1
	<hr/>
	* 16 *

CRITICISMS

ABLUTION BLOCK untidy	1
CARAVANS at must park too close to the road - dangerous	1
	<hr/>
	* 2 *

SUGGESTED CHANGES. SHOULD HAVE...

BBO's	1
-------	---

NORCAPE LODGE FISHERMEN'S HUTS

CRITICISMS

DIRTY	1
MANAGEMENT very poor	1
	<hr/>
	* 2 *

SUMMARY

100% comments were critical

CORAL BAY TOURIST HOTEL/MOTEL

CRITICISMS

UNHYGIENIC

4

MANAGERS rude + uncooperative

4

COST far too expensive

\$4

CONDITIONS bad

3

↳ lacking no cooking facilities

1

↳ no windows in the rooms

1

↳ ceilings lift in stiff breeze

1

EYESORE

1

* 19 *

SUMMARY

100% comments were critical

POT SHOT INN

SERVICE	satisfactory	1	67% complimentary
CUISINE	international standard	1	33% critical
MEALS	too expensive	1	

WAROORA STATION

OWNER	very helpful	4	100% comments
CAMP-SITES	excellent	1	complimentary

CARDABIA STATION

ATTRACTIVE	setting	1	100% comments
FACILITIES	no more required	1	complimentary

NINGALOO STATION

LEFROY FAMILY	very helpful	3	100% comments complimentary
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PIONEER CARAVAN PARK

FACILITIES	bad	1	100% comments
MANAGERS	not helpful	1	critical

CAMPSITES

COMPLIMENTARY REMARKS

MANAGEMENT	good	7
CLEAN		7
FACILITIES	good	3
	adequate	1
ATMOSPHERE	friendly	1
	quiet	1
		<u>1</u>
		* 20 *

CRITICISMS

EXPENSIVE		4
FACILITIES	bad	2
TOILETS	in poor condition, + too few of them	3
		<u>3</u>
		* 9 *

SUGGESTED CHANGES. SHOULD HAVE ...

BBQ's 1

AND

Where sanitary provisions are not provided,
each camp should have an approved
chemical toilet 1

SUMMARY

68.96 % comments were complimentary

31.03 % " " critical

PLUS

2 suggestions

PEOPLE'S CARAVAN PARK - CORAL BAY

COMPLIMENTARY REMARKS

MANAGEMENT	good	2
MANAGERS	helpful	1
		<u>3</u>
		* 3 *

CRITICISMS

ABLUTION BLOCKS inadequate. More needed.	6
" " dirty	2
FACILITIES generally inadequate	3
P.A. SYSTEM used too much	3
MANAGERS not helpful	4
STORE PRICES exorbitant	2
OVERCROWDED	1
BACK Paddock snake-infested	1
	<u>22</u>
	* 22 *

SUGGESTED CHANGES. SHOULD HAVE ...

FRESH WATER for showering, drinking + cooking	6
BIGGER BAYS	1
WIND BREAKS	1

Summary

12% comments were complimentary

88% " " critical

PLUS

8 suggested

improvements

BAYVIEW VILLAGE CARAVAN PARK - CORAL BAY

COMPLIMENTARY REMARKS

MANAGERS friendly, obliging	17
FACILITIES good	12
adequate	4
MANAGEMENT very good	8
EXCELLENT RESORT	5
CLEAN	5
NEW CABINS excellent	1
BBQ AREA good	1
	<u>1</u>
	* 53 *

CRITICISMS

OVERCROWDED	3
EXPENSIVE	2
MANAGERS not helpful	1
RUBBISH BINS not cleared regularly enough	1
ADDITIONAL COSTS, eg. freezer too high	1
	<u>1</u>
	* 8 *

SUGGESTED IMPROVEMENTS

MORE TOILETS AND SHOWERS	10
FRESH WATER SHOWERS	2
BIGGER PLAYGROUND	2
PET RESTRICTIONS	2
HOT + COLD TAPS in showers	1
FRESH WATER supplies	1
BETTER MEALS	1
NATIVE TREES, not olianders	1

SUMMARY

86.88% comments were complimentary

13.12% " " critical

Plus

20 suggested improvements

CARAVAN PARKS IN GENERAL

COMPLIMENTARY REMARKS

TREE PLANTING appreciated

* $\frac{1}{1}$ *

CRITICISMS

FACILITIES inadequate

1

EXPENSIVE

4

GENERATORS too noisy

6

VAN SITES too close together

3

ADVERTISING misleading

1

Too SMALL

2

* 17 *

SUGGESTED IMPROVEMENTS

COMMUNAL BBQs, fireplaces + wood supply

3

HOT WATER

1

MORE GRASS + SHADE

1

WIND BREAKS

1

SUMMARY

5.55% comments were complimentary

94.44% " " critical

PLUS

6 suggested improvements

CORAL BAY

COMPLIMENTARY REMARKS

FACILITIES	good	4
MANAGEMENT LEVEL	excellent	1
ACCOMMODATION	generally good	1
CLEAN		<u>1</u>
		7

CRITICISMS

STENCH	from untended bins offensive	13
STENCH	from resulting from the practise of cleaning fish on ^{the} jetty and from leaving fish remains on the beaches	6
VEHICLES + BOATS	a hazard on the beach	7
PRICES	in shops excessive	3
FACILITIES	lacking in general	2
DEVELOPERS	exploiting the area	1
OVERCROWDED		1
LITTERED	beaches	1
CORAL AREA REEF	not respected by many visitors	<u>1</u>
		* 35 *

SUGGESTED CHANGES - SHOULD HAVE ...

STD PUBLIC TELEPHONE	9
FRESH WATER for drinking + showering	5
BEACH SHELTERS	3
FISH CLEANING TABLES	2
MORE TREE PLANTING	2
BEACH exclusively for swimming	1
BEACH toilet facilities	1
FAST FOOD OUTLET	<u>1</u>

SUMMARY

83 % comments were critical of Coral Bay
17 % " were complimentary
24 suggestions for change

EXMOUTH

COMPLIMENTARY REMARKS

FACILITIES	excellent	2
	good	5
ATMOSPHERE	pleasant	6
	people very friendly + obliging	12
CLEAN		5
SHADY		1
SUPPLIES	good	3
		<hr/>
		* 34 *

CRITICISMS

SUPPLIES	too expensive	16
FACILITIES	- bad	1
	- bad for boat owners	1
PUBLIC TELEPHONES	not attended to regularly	1
PEOPLE	unfriendly	1
		<hr/>
		* 20 *

SUGGESTED CHANGES - SHOULD HAVE ...

HIRE BOAT SERVICE	3
JETTY	1
TEA AND EATS PLACE	1

SUMMARY

62% comments were complimentary

38% " " critical

5 suggestions were made

YARDIE CREEK

COMPLIMENTARY REMARKS

Area very clean

6

Facilities good

$\frac{1}{7}$

SUGGESTED CHANGES

More table + chair picnic sets

1

More shade shelter

1

SUMMARY

100% comments were complimentary

2 suggestions for change

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 13

2. Total number of people = 33

3. Age Groups:- 1. Male up to 12 = 1

2. " 13 - 20 = -

3. " 21 - 40 = 11

4. " 41 - 60 = 4

5. " over 60 = 1

6. Female up to 12 = 5

7. " 13 - 20 = -

8. " 21 - 40 = 5

9. " 41 - 60 = 2

10. " over 60 = -

11. No age group or incorrect age group = 4

4. Place of residence:-

Western Australia :- a) Perth metropolitan =
b) Country areas = } 28

Other States:- 1 (Tasmania) 2 (S.A.)

Overseas:- 2 (Scotland)

5. Type of vehicle:- Conventional = 4

4 W.D. = 8

Campervan = 1

Motor Cycle = -

Other = -

Total number of vehicles = 13.

6. Equipment :- None =

Caravan = 3

Tent = 6

Boat = 4

Trailer = 1

Fishing = 10

Trail Bike = 1

Generator = 7

Other = 1 (Gas, Fridge, Water)
+ 1 (Freezer) + 1 (Diving) + 1 (Water)

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 18
2. Total number of people = 49
3. Age Groups:-
 1. Male up to 12 = 2
 2. " 13 - 20 = 2
 3. " 21 - 40 = 8
 4. " 41 - 60 = 8
 5. " over 60 = 6
 6. Female up to 12 = 3
 7. " 13 - 20 = 1
 8. " 21 - 40 = 7
 9. " 41 - 60 = 8
 10. " over 60 = 4
 11. No age group or incorrect age group = -
4. Place of residence:-

27

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 20

Overseas:- 2
5. Type of vehicle:-

Conventional = 9

4 W.D. = 6

Campervan = 3

Motor Cycle = -

Other = 1 (Transit Van)

Total number of vehicles = 19
6. Equipment :-

None = 4

Caravan = 7

Tent = 2

Boat = 4

Trailer = 1

Fishing = 6

Trail Bike = -

Generator = 1

Other = 2 (Scuba + Camping)

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 105
2. Total number of people = 353
3. Age Groups:-
 1. Male up to 12 = 23
 2. " 13 - 20 = 17
 3. " 21 - 40 = 42
 4. " 41 - 60 = 39
 5. " over 60 = 23
 6. Female up to 12 = 30
 7. " 13 - 20 = 31
 8. " 21 - 40 = 48
 9. " 41 - 60 = 32
 10. " over 60 = 20
 11. No age group or incorrect age group = 46
4. Place of residence:-

Western Australia :- a) Perth metropolitan = 303

b) Country areas =

Other States:- 16 (Qld, N.S.W., N.T., Meib) + 12 (NSW) + 12 (Vic) + 3 (S.A) + 2 (Qld) + 3 (Tas)

Overseas:- 2 (Holland, England) + 1 (France) + 1 (U.K.)
5. Type of vehicle:-

Conventional = 57

4 W.D. = 33

Campervan = 9

Motor Cycle = 1

Other = 5 (Buses) + 1 (School bus) + 1 (foot) + 1 (Slideon) + 1 (Commercial)

Total number of vehicles = 107 + 109
6. Equipment :-

None = 7

Caravan = 32

Tent = 36

Boat = 32

Trailer = 17

Fishing = 57

Trail Bike = 3

Generator = 13

Other = 9 (Suba, Diving, Orienteering, Odyssey) + 1 (Diving) + 1 (unknown) + 1 (Freezer) + 1 (Cooking) + 1 (mineral detector) + 1 (Golf clubs, cooking, battery + gas)

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 5
2. Total number of people = 9
3. Age Groups:-
 1. Male up to 12 =
 2. " 13 - 20 =
 3. " 21 - 40 = 5
 4. " 41 - 60 =
 5. " over 60 =
 6. Female up to 12 =
 7. " 13 - 20 =
 8. " 21 - 40 = 1
 9. " 41 - 60 =
 10. " over 60 =
 11. No age group or incorrect age group = 3
4. Place of residence:- 4

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 2 (A.C.T.)

Overseas:- 3 (U.S.A.)
5. Type of vehicle:-

Conventional = 2

4 W.D. = 1

Campervan =

Motor Cycle =

Other = 2 (Bus, Plane)

Total number of vehicles = 5
6. Equipment :-

None = 2

Caravan =

Tent =

Boat =

Trailer =

Fishing = 1

Trail Bike =

Generator =

Other = 1 (Sawyer gear)

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 10
2. Total number of people = 34
3. Age Groups:-
 1. Male up to 12 = 1
 2. " 13 - 20 = -
 3. " 21 - 40 = 4
 4. " 41 - 60 = 2
 5. " over 60 = 2
 6. Female up to 12 = 1
 7. " 13 - 20 = -
 8. " 21 - 40 = 5
 9. " 41 - 60 = 4
 10. " over 60 = 2
 11. No age group or incorrect age group = 13
4. Place of residence:-

19

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 5 (10 GROUP TOUR)
UNKNOWN

Overseas:-
5. Type of vehicle:-

Conventional = 3

4 W.D. = 4

Campervan = 2

Motor Cycle =

Other = 1 Plane

Total number of vehicles = 9 + 1 Plane
6. Equipment :-

None = 3

Caravan = 1

Tent = 4

Boat = 2

Trailer = 1

Fishing = 4

Trail Bike = -

Generator = 1

Other = 1 (Fossicking picks)

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 5

2. Total number of people = 14

3. Age Groups:- 1. Male up to 12 = 1

2. " 13 - 20 = -

3. " 21 - 40 = 4

4. " 41 - 60 = -

5. " over 60 = -

6. Female up to 12 = 3

7. " 13 - 20 = 1

8. " 21 - 40 = 3

9. " 41 - 60 = -

10. " over 60 = -

11. No age group or incorrect age group = 2

4. Place of residence:-

12

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 2 (Victoria)

Overseas:-

5. Type of vehicle:- Conventional = 3

4 W.D. = 1

Campervan = 1

Motor Cycle =

Other =

Total number of vehicles = 5

6. Equipment :- None = 2

Caravan = 1

Tent = 1

Boat = 3

Trailer = 1

Fishing = 2

Trail Bike = -

Generator = -

Other = -

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 32
2. Total number of people = 76
3. Age Groups:-
 1. Male up to 12 = 6
 2. " 13 - 20 = 1
 3. " 21 - 40 = 13
 4. " 41 - 60 = 6
 5. " over 60 = 7
 6. Female up to 12 = 3
 7. " 13 - 20 = 5
 8. " 21 - 40 = 13
 9. " 41 - 60 = 7
 10. " over 60 = 3
 11. No age group or incorrect age group = 2
4. Place of residence:-

Western Australia ⁴⁴ :- a) Perth metropolitan =

b) Country areas =

Other States:- ¹³ (QLD, VICT, ACT, NSW, MEUB) + 9 (VIC) + 4 (S.A.)
+ 4 (NSW) + 2 (A.C.T.)

Overseas:- -
5. Type of vehicle:-

Conventional = 19

4 W.D. = 11

Campervan = -

Motor Cycle = -

Other = 1 (Plane)

Total number of vehicles = 31
6. Equipment :-

None = 3

Caravan = 15

Tent = 13

Boat = 8

Trailer = 1

Fishing = 17

Trail Bike = 2

Generator = 4

Other = 1 (Skindiving) + 1 (Bikes) + 1 (Camper-trailer)

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 282

2. Total number of people = 806

3. Age Groups:- 1. Male up to 12 = 71

2. " 13 - 20 = 61

3. " 21 - 40 = 132

4. " 41 - 60 = 108

5. " over 60 = 47

6. Female up to 12 = 69

7. " 13 - 20 = 23

8. " 21 - 40 = 113

9. " 41 - 60 = 97

10. " over 60 = 30

11. No age group or incorrect age group = 57

4. Place of residence:-

581

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- Vic 75 NSW 49 QLD 39 SA 20 TAS 5

Overseas:- West Germany 7 New Zealand 6 New Guinea 5 U.S.A. 4
Switz. 2 Saudi Arabia 2 Belgium 2 Denmark 2 Canada 1

5. Type of vehicle:-

Conventional = 111

4 W.D. = 135

Campervan = 34

Motor Cycle = 1

Other = 7 (2 trucks, 1 ute, 1 plane, 1 25cwt T/Top, 2 unknown)

Total number of vehicles = 288.

6. Equipment :- None = 16

Caravan = 102

Tent = 125

Boat = 112

Trailer = 63

Fishing = 168

Trail Bike = 11

Generator = 100

Other = 46 (1 shower, 2 fridges, 1 yacht, 1 sunwagon, 1 toilet + shower, 1 camping equipment, 1 camping equipment, 7 camper trailers, 5 dining, 1 windsurfer, 3 photography, 2 freezer, 1 snorkelling, 5 cameras, 1 cooking gear, 1 pushbike + freezer, 2 canoes, 5 unknown)
3 binoculars 2 stoves

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 1
2. Total number of people = 1
3. Age Groups:-
 1. Male up to 12 =
 2. " 13 - 20 =
 3. " 21 - 40 =
 4. " 41 - 60 =
 5. " over 60 =
 6. Female up to 12 =
 7. " 13 - 20 =
 8. " 21 - 40 =
 9. " 41 - 60 =
 10. " over 60 =
 11. No age group or incorrect age group = 1
4. Place of residence:-
 - Western Australia :- a) Perth metropolitan =
 - b) Country areas =
 - Other States:-
 - Overseas:- N. Zealand
5. Type of vehicle:-
 - Conventional =
 - 4 W.D. =
 - Campervan = No answer
 - Motor Cycle =
 - Other =
 - Total number of vehicles =
6. Equipment :-
 - None =
 - Caravan =
 - Tent =
 - Boat =
 - Trailer =
 - Fishing = 1
 - Trail Bike =
 - Generator =
 - Other =

Batch 2

Summary^{CODE:} 3

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 13

2. Total number of people = 33

3. Age Groups:- 1. Male up to 12 = 1

2. " 13 - 20 = -

3. " 21 - 40 = 11

4. " 41 - 60 = 4

5. " over 60 = 1

6. Female up to 12 = 5

7. " 13 - 20 = -

8. " 21 - 40 = 5

9. " 41 - 60 = 2

10. " over 60 = -

11. No age group or incorrect age group = 4

4. Place of residence:-

Western Australia :- a) Perth metropolitan =
b) Country areas = } 28

Other States:- 1 (Tasmania) 2 (S.A.)

Overseas:- 2 (Scotland)

5. Type of vehicle:- Conventional = 4

4 W.D. = 8

Campervan = 1

Motor Cycle = -

Other = -

Total number of vehicles = 13.

6. Equipment :- None =

Caravan = 3

Tent = 6

Boat = 4

Trailer = 1

Fishing = 10

Trail Bike = 1

Generator = 7

Other = 1 (Gas, Fridge, Water)
+ 1 (Freezer) + 1 (Diving) + 1 (Water)

7. Length of stay:- Days = 70

Nights =

Hours =

8. Have you visited the area before:- YES = 5

NO = 8

9. First found out about area through:-

1. Friends/Relatives = 5

2. Other travellers = 3

3. Tourist Bureau = 1

4. Travel Agent = 1

5. Park Service = 1

6. Service Station = 1

7. Motel/Hotel/Cvn Park =

8. Maps/Brochures etc. = 3

9. Radio/Press/T.V. = 1

10. Other = 2

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value = 8

2. Swimming = 5

3. Beachcombing = 4

4. Fishing = 7

5. Diving = 2

6. Snorkelling = 5

7. Shell collecting = 3

8. Game Fishing = 1

9. Boating = 2

10. Other = 2

11. Other = 1

Batch 2

Summary CODE: 4

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 18
2. Total number of people = 49
3. Age Groups:-
 1. Male up to 12 = 2
 2. " 13 - 20 = 2
 3. " 21 - 40 = 8
 4. " 41 - 60 = 8
 5. " over 60 = 6
 6. Female up to 12 = 3
 7. " 13 - 20 = 1
 8. " 21 - 40 = 7
 9. " 41 - 60 = 8
 10. " over 60 = 4
 11. No age group or incorrect age group = -
4. Place of residence:-
 - 27 Western Australia :- a) Perth metropolitan =
 - b) Country areas =
 - Other States:- 20
 - Overseas:- 2
5. Type of vehicle:-
 - Conventional = 9
 - 4 W.D. = 6
 - Campervan = 3
 - Motor Cycle = -
 - Other = 1 (Transit Van)
 - Total number of vehicles = 19
6. Equipment :-
 - None = 4
 - Caravan = 7
 - Tent = 2
 - Boat = 4
 - Trailer = 1
 - Fishing = 6
 - Trail Bike = -
 - Generator = 1
 - Other = 2 (Scuba + Camping)

7. Length of stay:- Days = 61

Nights =

Hours =

8. Have you visited the area before:- YES = 7

NO = 11

9. First found out about area through:-

1. Friends/Relatives = 8

2. Other travellers = 4

3. Tourist Bureau =

4. Travel Agent =

5. Park Service =

6. Service Station =

7. Motel/Hotel/Cvn Park =

8. Maps/Brochures etc. = 6

9. Radio/Press/T.V. = 1

10. Other =

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value = 16

2. Swimming = 13

3. Beachcombing = 4

4. Fishing = 10

5. Diving = 3

6. Snorkelling = 5

7. Shell collecting = 4

8. Game Fishing =

9. Boating = 3

10. Other =

11. Other =

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 105

2. Total number of people = 353

3. Age Groups:- 1. Male up to 12 = 23

2. " 13 - 20 = 17

3. " 21 - 40 = 42

4. " 41 - 60 = 39

5. " over 60 = 23

6. Female up to 12 = 30

7. " 13 - 20 = 31

8. " 21 - 40 = 48

9. " 41 - 60 = 32

10. " over 60 = 20

11. No age group or incorrect age group = 46

4. Place of residence:-

Western Australia :- a) Perth metropolitan =

303

b) Country areas =

Other States:- 16 (Qld, N.S.W., N.T., Meib) + 12 (NSW) + 12 (Vic)
+ 3 (S.A) + 2 (Qld) + 3 (Tas)

Overseas:- 2 (Holland, England) + 1 (France) + 1 (U.K.)

5. Type of vehicle:-

Conventional = 57

4 W.D. = 33

Campervan = 9

Motor Cycle = 1

Other = 5 (Buses) + 1 (School bus) + 1 (foot) + 1 (slideon) + 1 (Commercial)

Total number of vehicles = 107 109

6. Equipment :-

None = 7

Caravan = 32

Tent = 36

Boat = 32

Trailer = 17

Fishing = 57

Trail Bike = 3

Generator = 13

Other = 9 (Swba, Diving, Orienteering, Odyssey) + 1 (Diving) + 1 (unknown)
+ 1 (freezer) + 1 (cooking) + 1 (mineral detector)
+ 1 (Golf clubs, cooking, battery + gas)

7. Length of stay:- Days = 863.5

Nights =

Hours =

8. Have you visited the area before:- YES = 58

NO = 50

9. First found out about area through:-

1. Friends/Relatives = 65

2. Other travellers = 27

3. Tourist Bureau = 3

4. Travel Agent = 1

5. Park Service = -

6. Service Station = -

7. Motel/Hotel/Cvn Park = 2

8. Maps/Brochures etc. = 18

9. Radio/Press/T.V. = 5

10. Other = 3 (Touring, Warrunda area, Fanny magazine) 1 (Perth Natural History Museum) + 1 (Signpost) + 1 (Holiday stopover) + 1 (road sign) + 1 (Was Govt. publicity officer)

Number of Tour Operators = 1 (Parlour cars)

11. Important features of the reef:-

1. Scenic Value = 32

2. Swimming = 31

3. Beachcombing = 19

4. Fishing = 31

5. Diving = 13

6. Snorkelling = 21

7. Shell collecting = 19

8. Game Fishing = 9

9. Boating = 12

10. Other = 4 (Glass Bottom Boat, Camping).

11. Other =

Batch 2

Summary CODE: 6

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 5
2. Total number of people = 9
3. Age Groups:-
 1. Male up to 12 =
 2. " 13 - 20 =
 3. " 21 - 40 = 5
 4. " 41 - 60 =
 5. " over 60 =
 6. Female up to 12 =
 7. " 13 - 20 =
 8. " 21 - 40 = 1
 9. " 41 - 60 =
 10. " over 60 =
 11. No age group or incorrect age group = 3
4. Place of residence:-
 - Western Australia :- a) Perth metropolitan =
 - b) Country areas =
 - Other States:- 2 (A.C.T.)
 - Overseas:- 3 (U.S.A.)
5. Type of vehicle:-
 - Conventional = 2
 - 4 W.D. = 1
 - Campervan =
 - Motor Cycle =
 - Other = 2 (Bus, Plane)
 - Total number of vehicles = 5
6. Equipment :-
 - None = 2
 - Caravan =
 - Tent =
 - Boat =
 - Trailer =
 - Fishing = 1
 - Trail Bike =
 - Generator =
 - Other = 1 (Swingie gear)
Food

7. Length of stay:- Days = 25

Nights =

Hours =

8. Have you visited the area before:- YES = 3

NO = 2

9. First found out about area through:-

1. Friends/Relatives = 2

2. Other travellers = 1

3. Tourist Bureau =

4. Travel Agent =

5. Park Service =

6. Service Station =

7. Motel/Hotel/Cvn Park =

8. Maps/Brochures etc. = 2

9. Radio/Press/T.V. =

10. Other =

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value = 2

2. Swimming =

3. Beachcombing = 1

4. Fishing =

5. Diving = 1

6. Snorkelling =

7. Shell collecting =

8. Game Fishing =

9. Boating =

10. Other = 2 (Privacy, Sunbathing)

11. Other = 1 (skinnydipping!)

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 10

2. Total number of people = 34

3. Age Groups:- 1. Male up to 12 = 1

2. " 13 - 20 = -

3. " 21 - 40 = 4

4. " 41 - 60 = 2

5. " over 60 = 2

6. Female up to 12 = 1

7. " 13 - 20 = -

8. " 21 - 40 = 5

9. " 41 - 60 = 4

10. " over 60 = 2

11. No age group or incorrect age group = 13

4. Place of residence:-

19
Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 5

(10 GROUP TOUR)
UNKNOWN

Overseas:-

5. Type of vehicle:- Conventional = 3

4 W.D. = 4

Campervan = 2

Motor Cycle =

Other = 1 Plane

Total number of vehicles = 9 + 1 Plane

6. Equipment :- None = 3

Caravan = 1

Tent = 4

Boat = 2

Trailer = 1

Fishing = 4

Trail Bike = -

Generator = 1

Other = 1 (Fossicking picks)

7. Length of stay:- Days = $94\frac{1}{2}$

Nights =

Hours =

8. Have you visited the area before:- YES = 5

NO = 5

9. First found out about area through:-

1. Friends/Relatives = 4

2. Other travellers = 3

3. Tourist Bureau = 1

4. Travel Agent =

5. Park Service =

6. Service Station =

7. Motel/Hotel/Cvn Park = 1

8. Maps/Brochures etc. = 1

9. Radio/Press/T.V. =

10. Other = 1

Number of Tour Operators = 2 (A.W.A & KRAIT BUSH TOURS)

11. Important features of the reef:-

1. Scenic Value = 7

2. Swimming = 2

3. Beachcombing = 4

4. Fishing = 5

5. Diving = 1

6. Snorkelling = 1

7. Shell collecting = 4

8. Game Fishing = 1

9. Boating = 3

10. Other = -

11. Other = -

Batch 2

Summary CODE: 8

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 5

2. Total number of people = 14

3. Age Groups:- 1. Male up to 12 = 1

2. " 13 - 20 = -

3. " 21 - 40 = 4

4. " 41 - 60 = -

5. " over 60 = -

6. Female up to 12 = 3

7. " 13 - 20 = 1

8. " 21 - 40 = 3

9. " 41 - 60 = -

10. " over 60 = -

11. No age group or incorrect age group = 2

4. Place of residence:-

12

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 2 (Victoria)

Overseas:-

5. Type of vehicle:- Conventional = 3

4 W.D. = 1

Campervan = 1

Motor Cycle =

Other =

Total number of vehicles = 5

6. Equipment :- None = 2

Caravan = 1

Tent = 1

Boat = 3

Trailer = 1

Fishing = 2

Trail Bike = -

Generator = -

Other = -

7. Length of stay:- Days = 34

Nights =

Hours =

8. Have you visited the area before:- YES = 3

NO = 1

9. First found out about area through:-

1. Friends/Relatives = 3

2. Other travellers = 1

3. Tourist Bureau =

4. Travel Agent =

5. Park Service =

6. Service Station =

7. Motel/Hotel/Cvn Park =

8. Maps/Brochures etc. = 1

9. Radio/Press/T.V. =

10. Other = 1 (Travelling)

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value = 3

2. Swimming = 2

3. Beachcombing = 1

4. Fishing = 1

5. Diving =

6. Snorkelling =

7. Shell collecting = 1

8. Game Fishing =

9. Boating = 1

10. Other = 1 (Camping)

11. Other =

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 32

2. Total number of people = 76

3. Age Groups:- 1. Male up to 12 = 6

2. " 13 - 20 = 1

3. " 21 - 40 = 13

4. " 41 - 60 = 6

5. " over 60 = 7

6. Female up to 12 = 3

7. " 13 - 20 = 5

8. " 21 - 40 = 13

9. " 41 - 60 = 7

10. " over 60 = 3

11. No age group or incorrect age group = 2

4. Place of residence:-

Western Australia :- a) Perth metropolitan = 44

b) Country areas =

Other States:- 13 (QLD, VICT, ACT, NSW, MELB) + 9 (VIC) + 4 (S.A.)
+ 4 (NSW) + 2 (A.C.T.)

Overseas:- -

5. Type of vehicle:- Conventional = 19

4 W.D. = 11

Campervan = -

Motor Cycle = -

Other = 1 (Plane)

Total number of vehicles = 31

6. Equipment :- None = 3

Caravan = 15

Tent = 13

Boat = 8

Trailer = 1

Fishing = 17

Trail Bike = 2

Generator = 4

Other = 1 (Skindiving) + 1 (Bikes) + 1 (Camper-trailer)

7. Length of stay:- Days = 356.5

Nights =

Hours =

8. Have you visited the area before:- YES = 13

NO = 18

9. First found out about area through:-

1. Friends/Relatives = 12

2. Other travellers = 5

3. Tourist Bureau = 4

4. Travel Agent = -

5. Park Service = 1

6. Service Station = -

7. Motel/Hotel/Cvn Park = -

8. Maps/Brochures etc. = 16

9. Radio/Press/T.V. = 3

10. Other = 2 (School, Interest in Nat Parks) + 2 (unknown) +
1 (worked there)

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value = 10

2. Swimming = 7

3. Beachcombing = 5

4. Fishing = 6

5. Diving = 2

6. Snorkelling = 4

7. Shell collecting = 4

8. Game Fishing = -

9. Boating = 1

10. Other = 1 (camping)

11. Other = 18

Batch 2

Summary CODE: 11

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 282

2. Total number of people = 806

3. Age Groups:-

1. Male up to 12 =	71
2. " 13 - 20 =	61
3. " 21 - 40 =	132
4. " 41 - 60 =	108
5. " over 60 =	47
6. Female up to 12 =	69
7. " 13 - 20 =	23
8. " 21 - 40 =	113
9. " 41 - 60 =	97
10. " over 60 =	30
11. No age group or incorrect age group =	57

4. Place of residence:-

581

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- Vic 75 NSW 49 QLD 39 SA 20 TAS 5

Overseas:- West Germany 7 New Zealand 6 New Guinea 5 U.S.A. 4
Switz. 2 Saudi Arabia 2 Belgium 2 Denmark 2 Canada 1

5. Type of vehicle:-

Conventional = 111

4 W.D. = 135

Campervan = 34

Motor Cycle = 1

Other = 7 (2 trucks, 1 ute, 1 plane, 1 25wt T/Top, 2 unknown)

Total number of vehicles = 288.

6. Equipment :-

None = 16

Caravan = 102

Tent = 125

Boat = 112

Trailer = 63

Fishing = 168

Trail Bike = 11

Generator = 100

Other = 46 (1 shower, 2 fridges, 1 yacht, 1 sunwagon, 1 toilet + shower, 1 camping equipment, 1 camping equipment, 7 camper trailers, 5 dining, 1 windsurfer, 3 photography, 2 freezer, 1 snorkelling, 5 cameras, 1 cooking gear, 1 pushbike + freezer, 2 canoes, 5 unknown)
3 binoculars 2 stores

7. Length of stay:- Days = 2763.5

Nights = -

Hours = -

No answer: - 2

8. Have you visited the area before:- YES = 156

NO = 124

9. First found out about area through:-

1. Friends/Relatives = 169

2. Other travellers = 40

3. Tourist Bureau = 18

4. Travel Agent = -

5. Park Service = 19

6. Service Station = 1

7. Motel/Hotel/Cvn Park = 2

8. Maps/Brochures etc. = 72

9. Radio/Press/T.V. = 4

10. Other = 17 (1 road sign, 1 book - National Parks of Aust., 1 T.V., 1 Australian Conservation Foundation, 1 NEMA Observer's Book of National Parks, 2 RAC, 1 worked in the area, 1 ex-resident of Rmoum, 1 luck, 1 exploration, 5 unknown)
↳ Nil

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value =

2. Swimming =

3. Beachcombing =

4. Fishing =

5. Diving =

6. Snorkelling =

7. Shell collecting =

8. Game Fishing =

9. Boating =

10. Other =

11. Other =

Batch 2

Summary CODE: 13

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 1
2. Total number of people = 1
3. Age Groups:-
 1. Male up to 12 =
 2. " 13 - 20 =
 3. " 21 - 40 =
 4. " 41 - 60 =
 5. " over 60 =
 6. Female up to 12 =
 7. " 13 - 20 =
 8. " 21 - 40 =
 9. " 41 - 60 =
 10. " over 60 =
 11. No age group or incorrect age group = 1
4. Place of residence:-

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:-

Overseas:- N. Zealand
5. Type of vehicle:-

Conventional =

4 W.D. =

Campervan = No answer

Motor Cycle =

Other =

Total number of vehicles =
6. Equipment :-

None =

Caravan =

Tent =

Boat =

Trailer =

Fishing = 1

Trail Bike =

Generator =

Other =

7. Length of stay:- Days = 5

Nights =

Hours =

8. Have you visited the area before:- YES =

NO = 1

9. First found out about area through:-

1. Friends/Relatives =

2. Other travellers = 1

3. Tourist Bureau =

4. Travel Agent =

5. Park Service =

6. Service Station =

7. Motel/Hotel/Cvn Park =

8. Maps/Brochures etc. =

9. Radio/Press/T.V. =

10. Other =

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value =

2. Swimming =

3. Beachcombing =

4. Fishing =

5. Diving =

6. Snorkelling =

7. Shell collecting =

8. Game Fishing =

9. Boating =

10. Other =

11. Other =

NORTH WEST CAPE VISITOR SURVEY. NO. OF SURVEY FORMS RETURNED.

	1	2	3	4	5	6	7	8	9	11	12	13	TOTAL
1.9.82										3			3
2.9.82									3	9			12 15
3.9.82								1	1				2 17
6.9.82	11	4	13	9	4					1			42 59
7.9.82		2	9	2	50	1	1	8	4	2	3		82 134
8.9.82	1	1	3	4	1			1	1				12 153
9.9.82	1	3	2	4				1	4	2			17 170
10.9.82	1		2		1					1			5 175
13.9.82	1	2	2	1	1			3	2	1			13 188
14.9.82		5	2	2	1	2	1	3	6	6			28 216
15.9.82	1	1	4	6	2	8		4	13	7			46 262
16.9.82	1	3		2	3			1					10 272
17.9.82			6	2					2	1			11 283
20.9.82	1		5	4					1	1			12 295
21.9.82	1		5	12	12		1	3	1	1	1		37 332
22.9.82			1	2	1				2	4			10 343
23.9.82	1			1	4			1	3				10 353
24.9.82	1				1		1	1	2				6 359
27.9.82	1									1			2 360
28.9.82	2		4		2				3				11 371
29.9.82		1							1	1			3 374
30.9.82	1	1	1							1			4 378
1.10.82													
4.10.82													
5.10.82			1		2			2		1			6 384
6.10.82				1									1 385
7.10.82				3	6	4		1	5	1			20 405
8.10.82	1			1									2 407
11.10.82									1				1 408
12.10.82													
13.10.82			1				1			1			3 411
14.10.82				2									2 413
15.10.82								1					1 414

[illegible]

Survey 1st Batch

438 Forms received

1,495 people

Male up to 12 = 177

13-20 = 115

21-40 = 251

41-60 = 172

over 60 = 70

Female up to 12 = 156

13-20 = 70

21-40 = 212

41-60 = 131

over 60 = 56

No age group or incorrect age group = 85

Place of residence

W.A = 1,351

Other States = 131

Overseas = 11

No answer = 2

Type of vehicle

Conventional = 265

4 W.D = 139

Campervan = 33

Motor Cycle = 1

Other = 14

Total No. of Vehicles = 452

1. Males 21-40

2. Females 21-40

3. Male up to 12

4. Male 41-60

5. Female up to 12

6. Female 41-60

7. Male 13-20

8. Female 13-20 Male over 60

9. Female over 60

1. W. Australians

2. E. States

3. O/seas

1. Conventional

2. 4 W.D

3. Campervan

4. Other

5. Motor Cycles

Equipment

None 29
 Caravan 162
 Tent 193
 Boat 166
 Trailer 95
 Fishing 250
 Trail Bike 11
 Generator 109
 Other 63

1. Fishing
 2. Tents
 3. Boats
 4. Caravan
 5. Generator
 6. Trailer
 7. Other
 8. None
 9. Trail Bikes

Length of stay = 6886 days

Visited area previously

Yes = 291
 No = 147

Found out about area through

1. Friends / Relatives 294
 2. Other travellers 80
 3. Tourist Bureau 14
 4. Travel Agent 1
 5. Park Service 6
 6. Service Str -
 7. Motel / Hotel / Cvn PK 3
 8. Maps / Brochures 67
 9. Radio / Press / T.V. 12
 10. Other 23

1
 2
 5
 9
 7
 10
 8
 3
 6
 4

Important features of the reef:-

1. Scenic Value	324	1
2. Swimming	259	3
3. Beachcombing	201	5
4. Fishing	309	2
5. Diving	109	8
6. Snorkelling	159	7
7. Shell Collecting	209	4
8. Game Fishing	93	9
9. Boating	178	6
10. Other	61	10
11. Other	11	11

Conclusion

Average number of people per vehicle = 3. Area frequented mainly by males in the 21-40 age bracket followed by females of the same age group. Most travellers are West Australians travelling in conventional vehicles. Approx. two thirds of the visitors in the area have been before and the average length of stay per person will be approx 4 1/2 days.

The most common equipment favoured by travellers was fishing gear, with the scenic value & fishing being considered the most important features of the reef. Two thirds of the people surveyed had found out about the area from friends / relatives.

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 26
2. Total number of people = 86
3. Age Groups:-
 1. Male up to 12 = 18
 2. " 13 - 20 = 9
 3. " 21 - 40 = 10
 4. " 41 - 60 = 9
 5. " over 60 = 7
 6. Female up to 12 = 6
 7. " 13 - 20 = 2
 8. " 21 - 40 = 9
 9. " 41 - 60 = 8
 10. " over 60 = 4
 11. No age group or incorrect age group = 4
4. Place of residence:-

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 3

Overseas:- Nil
5. Type of vehicle:-

Conventional = 7

4 W.D. = 17

Campervan = 3

Motor Cycle = Nil

Other = 1 (Mini-Bus)

Total number of vehicles = 28
6. Equipment :-

None = Nil

Caravan = 13

Tent = 14

Boat = 14

Trailer = 9

Fishing = 19

Trail Bike = 4

Generator = 16

Other = 1 (Toilet + Shower)

NORTH WEST CAPE VISITOR SURVEY

CODE:-

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 26
2. Total number of people = 86
3. Age Groups:-
 1. Male up to 12 = 18
 2. " 13 - 20 = 9
 3. " 21 - 40 = 10
 4. " 41 - 60 = 9
 5. " over 60 = 7
 6. Female up to 12 = 6
 7. " 13 - 20 = 2
 8. " 21 - 40 = 9
 9. " 41 - 60 = 8
 10. " over 60 = 4
 11. No age group or incorrect age group = 4
4. Place of residence:-

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 3

Overseas:- Nil
5. Type of vehicle:-

Conventional = 7

4 W.D. = 17

Campervan = 3

Motor Cycle = Nil

Other = 1 (Mini-Bus)

Total number of vehicles = 28
6. Equipment :-

None = Nil

Caravan = 13

Tent = 14

Boat = 14

Trailer = 9

Fishing = 19

Trail Bike = 4

Generator = 16

Other = 1 (Toilet + Shower)

7. Length of stay:- Days = 590

Nights =

Hours =

8. Have you visited the area before:- YES = 23

NO = 3

9. First found out about area through:-

1. Friends/Relatives = 20

2. Other travellers = 6

3. Tourist Bureau =

4. Travel Agent =

5. Park Service =

6. Service Station =

7. Motel/Hotel/Cvn Park = 1

8. Maps/Brochures etc. =

9. Radio/Press/T.V. =

10. Other = 1 (By expiring)

Number of Tour Operators = Nil

11. Important features of the reef:-

1. Scenic Value = 20

2. Swimming = 17

3. Beachcombing = 14

4. Fishing = 22

5. Diving = 6

6. Snorkelling = 9

7. Shell collecting = 15

8. Game Fishing = 2

9. Boating = 10

10. Other = 5

11. Other =

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:- /

TOTAL

		1	2	3	4	5	6	7	8	9	10	11
8.	(1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	8.
	(2)											
9.	(1)	✓	✓	✓		✓		✓	✓	✓	✓	6.
	(2)				✓		✓		✓	✓	✓	2
	(3)											
	(4)											
	(5)											
	(6)											
	(7)					✓						1
	(3)											
	(9)											
	(10)											
TOUR OPERATOR												
11.	(1)	✓	✓ 3.	✓ 7.	✓ 1.		✓ 2.	✓ 1.	✓ 8.	✓	✓	7.
	(2)	✓	✓ 2.	✓ 4.	✓ 4.			✓ 2.	✓ 6.	✓	✓	
	(3)		✓ 4.	✓ 6.	✓ 2.		✓ 5.		✓ 4.	✓	✓	
	(4)	✓	✓ 1.	✓ 1.		✓ 1.	✓ 3.	✓ 4.	✓ 3.	✓	✓	
	(5)								✓ 1.	✓	✓	
	(6)			✓ 5.				✓ 3.	✓ 2.	✓	✓	
	(7)	✓	✓ 5.			✓ 2.	✓ 4.		✓ 7.	✓	✓	
	(3)											
	(9)			✓ 3.	✓ 3.				✓ 5.	✓	✓	
	(10)			✓ 2.			✓ 1.			✓	✓	
	(11)											
DATE RECEIVED:		6-9-82	6-9-82	6-9-82	8-9-82	9-9-82	10-9-82	13-9-82	15-9-82			

CODE:-

TOTAL

DATE
RECEIVED:

NORTH WEST CAPE VISITOR SURVEY

CODE:-

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:- 2

TOTAL

8. (1)	✓		✓	✓	✓	✓		✓	6.
(2)		✓					✓		2.
9. (1)	✓	✓		✓	✓	✓	✓	✓	7.
(2)					✓				1
(3)									
(4)									
(5)									
(6)									
(7)									
(8)			✓				✓		2
(9)									
(10)							✓		1
TOUR OPERATOR									
11. (1)	✓ 1.	✓	✓ 1.	✓	✓	✓ 2.	✓		7.
(2)		✓	✓ 5.						2
(3)		✓	✓ 3.		✓				3
(4)	✓ 5.	✓	✓ 4.	✓	✓	✓ 1.	✓	✓	8
(5)	✓ 3.	✓	✓ 2.						3
(6)	✓ 4.	✓							2
(7)		✓	✓ 6.		✓	✓ 4.			4
(8)		✓				✓ 5.	✓		3
(9)	✓ 6.	✓	✓ 7.	✓		✓ 3.	✓		6
(10)	✓ 2.	✓					✓		3
(11)		✓					✓		2
DATE RECEIVED:	9.9.82	9.9.82	13.9.82	13.9.82	14.9.82	14.9.82	14.9.82	14.9.82	

TOTAL

		DATE RECEIVED							
		6-9-82	6-9-82	6-9-82	6-9-82	7-9-82	7-9-82	8-9-82	9-9-82
8.	(1)	✓		✓			✓	✓	✓
	(2)		✓		✓	✓			
9.	(1)	✓		✓		✓	✓	✓	✓
	(2)				✓			✓	
	(3)								
	(4)								
	(5)								
	(5)								
	(7)								
	(8)		✓						
	(9)		✓						
	(10)								
TOUR OPERATOR									
11.	(1)		✓ 6.	✓ 1	✓ 1.		✓ 8.	✓	✓
	(2)		✓ 5.	✓ 6.	✓ 4.				✓
	(3)		✓ 4.	✓ 3.	✓ 3.		✓ 7.		
	(4)		✓ 1.			✓	✓ 3.	✓	✓
	(5)			✓ 5.			✓ 2.	✓	✓
	(6)		✓ 2.	✓ 2.			✓ 5.		
	(7)		✓ 3.	✓ 4	✓ 2.		✓ 6.		✓
	(8)						✓ 4.		
	(9)						✓ 1.	✓	✓
	(10)								
	(11)								
DATE RECEIVED:		6-9-82	6-9-82	6-9-82	6-9-82	7-9-82	7-9-82	8-9-82	9-9-82

[illegible]

7. Length of stay:- Days = 471

Nights =

Hours =

8. Have you visited the area before:- YES = 16

NO = 8

9. First found out about area through:-

1. Friends/Relatives = 19

2. Other travellers = 4

3. Tourist Bureau =

4. Travel Agent =

5. Park Service =

6. Service Station =

7. Motel/Hotel/Cvn Park =

8. Maps/Brochures etc. = 4

9. Radio/Press/T.V. = 1

10. Other = 1 (Fishing magazines)

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value = 19

2. Swimming = 8

3. Beachcombing = 11

4. Fishing = 17

5. Diving = 10

6. Snorkelling = 8

7. Shell collecting = 14

8. Game Fishing = 6

9. Boating = 12

10. Other = 5 (Isolation, Under Water photography, camping,
peace & quiet, relaxation.)

11. Other = 2 (Privacy, Safe for children)

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 24 + 1
2. Total number of people = 86 + 2
3. Age Groups:-
 1. Male up to 12 = 7
 2. " 13 - 20 = 8
 3. " 21 - 40 = 13 + 1
 4. " 41 - 60 = 11
 5. " over 60 = 2
 6. Female up to 12 = 8
 7. " 13 - 20 = 6 + 1
 8. " 21 - 40 = 14
 9. " 41 - 60 = 2
 10. " over 60 = 3
 11. No age group or incorrect age group = 12
4. Place of residence:-

76 + 2

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 6

Overseas:- 4 (New Zealand (1) W. Germany (3))
5. Type of vehicle:-

Conventional = 13 + 1

4 W.D. = 9

Campervan = 4

Motor Cycle = NIL

Other = NIL

Total number of vehicles = 26
6. Equipment :-

None = NIL

Caravan = 5

Tent = 12

Boat = 13

Trailer = 9

Fishing = 15

Trail Bike = 1

Generator = 12

Other = 5 (camping gear, diving equip, dinghy, car camper, sun wagon).

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 62
2. Total number of people = 212
3. Age Groups:-
 1. Male up to 12 = 22
 2. " 13 - 20 = 19
 3. " 21 - 40 = 35
 4. " 41 - 60 = 34
 5. " over 60 = 7
 6. Female up to 12 = 22
 7. " 13 - 20 = 4
 8. " 21 - 40 = 20
 9. " 41 - 60 = 19
 10. " over 60 = 4
 11. No age group or incorrect age group = 16
4. Place of residence:-

210

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 2

Overseas:-
5. Type of vehicle:-

Conventional = 31

4 W.D. = 26

Campervan = 5

Motor Cycle = Nil

Other = 1 (Truck)

Total number of vehicles = 63
6. Equipment :-

None = 3

Caravan = 16

Tent = 34

Boat = 36

Trailer = 23

Fishing = 46

Trail Bike = 3

Generator = 32

Other = 14 (Freezer, Caravanette, Diving

7. Length of stay:- Days = 224

Nights =

Hours =

8. Have you visited the area before:- YES = 52

NO = 10

9. First found out about area through:-

1. Friends/Relatives = 55

2. Other travellers = 4

3. Tourist Bureau =

4. Travel Agent =

5. Park Service =

6. Service Station =

7. Motel/Hotel/Cvn Park =

8. Maps/Brochures etc. = 2

9. Radio/Press/T.V. =

10. Other = 3 (W.A. Museum, Mapping Party 1942,
Previous resident, Stationer's Hingston).

Number of Tour Operators = Nil

11. Important features of the reef:-

1. Scenic Value = 47

2. Swimming = 40

3. Beachcombing = 35

4. Fishing = 56

5. Diving = 23

6. Snorkelling = 27

7. Shell collecting = 39

8. Game Fishing = 20

9. Boating = 35

10. Other = 6 (Wreck excavation, camping, oysters, climbing,
wild life studying, Aborigine caves)

11. Other =

CODE:- 3

[illegible]

CODE:- 3

3. (1)

(2)

9. (1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

(10)

TOUR
OPERATOR

11. (1)

(2)

(3)

(4)

(5)

(6)

(7)

(a)

(9)

(10)

(11)

DATE
RECEIVED:

CODE:- 3

3

	24-8-82	24-8-82	29-8-82	26-8-82	23-8-82	11-8-82	9-8-82	21-8-82	
1.									
2.	3	2	2	4	3	2	2	2	20
3. (1)				2					2
(2)									
(3)					1				1
(4)	1					1			2
(5)		1					1	1	3
(6)	1				1				2
(7)									
(8)				2	1				3
(9)	1					1		1	3
(10)		1					1		2
4.	W.A 6330	W.A 6333	W.A 6023	6155(2) 6025(2)	W.A 6020	W.A 6111	W.A 6110	W.A 6156	
5. (1)	✓		✓	✓	✓	✓		✓	6
(2)							✓		1
(3)		✓							1
(4)									
(5)									
6. (1)									
(2)	✓					✓	✓		3
(3)		✓	✓	✓	✓			✓	5
(4)	✓						✓		2
(5)			✓		✓				2
(6)					✓		✓		2
(7)					✓				1
(8)					✓		✓		2
(9)									
7. (1)									
(2)	21	21	7	11	28	35	35	13	171
(3)			7	10	27	35	35	13	

TOTAL

TOTAL

TOTAL

DATE
RECEIVED:

CODE:- 3

3

[illegible]

CODE:- 3

TOTAL

CODE:- 3

CODE:-

2

TOTAL

[illegible]

CODE: - 3

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:- 3

TOTAL

8. (1)	✓	✓	✓	✓	✓	✓	✓	✓	7.
(2)			✓						1.
9. (1)	✓	✓	✓	✓		✓	✓	✓	7.
(2)									
(3)									
(4)									
(5)									
(6)									
(7)									
(8)									
(9)									
(10)					✓				1
TOUR OPERATOR									
11. (1)	✓ 3.	✓ 2.	✓ 1.	✓ 4.	✓	✓ 3.	✓ 1.	✓	8.
(2)	✓ 4.		✓ 4.		✓	✓ 1.	✓ 4.	✓	6
(3)		✓ 6.			✓		✓ 5.	✓	2
(4)	✓ 1.	✓ 1.	✓ 5.	✓ 1.	✓	✓ 2.	✓ 6.	✓	8
(5)						✓ 4.		✓	2
(6)			✓ 3.			✓ 5.	✓ 3.	✓	6
(7)	✓ 5.	✓ 3.			✓	✓ 1.		✓	9
(8)		✓ 4.		✓ 2.			✓ 1.		3
(9)	✓ 2.	✓ 5.	✓ 2.	✓ 3.		✓ 6.	✓ 2.	✓	7
(10)									
(11)									
DATE RECEIVED:	17.9.82	17.9.82	17.9.82	20.9.82	20.9.82	20.9.82	20.9.82	20.9.82	

NORTH WEST CAPE VISITOR SURVEY

CODE: 3

TOTAL

[illegible]

CODE: - 3

TOTAL

	49	50	51	52	53	54	55	56	TOTAL
8. (1)	/	/	/	/	/	/	/	/	9.
(2)									
9. (1)	/	/	/	/	/	/	/	/	8.
(2)									
(3)									
(4)									
(5)									
(6)									
(7)									
(8)									
(9)									
(10)									
TOUR OPERATOR									
11. (1)		/ 5.	/	/	/ 2.	/ 9	/ 2.		6.
(2)			/	/		/ 8.	/ 3.		4
(3)		/ 4.	/	/	/ 5.	/ 7.			5
(4)		/ 1.	/	/	/ 3.	/ 3.	/ 1.		6
(5)		/ 2.			/ 4.	/ 2.			3
(6)					/ 1.	/ 1.			2
(7)		/ 3.		/	/ 6	/ 4.			4
(8)						/ 10.			1
(9)			/	/		/ 6.	/ 4.		6
(10)			/	/		/ 5.			3
(11)									
DATE RECEIVED:	21.9.82	21.9.82	21.9.82	21.9.82	21.9.82	22.9.82	28.9.82	28.9.82	

NORTH WEST CAPE VISITOR SURVEY

CODE:-3

TOTAL

[illegible]

CODE:- 3 TOTAL

DATE
RECEIVED:

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 63 + 1
2. Total number of people = 249 + 2
3. Age Groups:-
 1. Male up to 12 = 30
 2. " 13 - 20 = 24
 3. " 21 - 40 = 50
 4. " 41 - 60 = 22
 5. " over 60 = 7
 6. Female up to 12 = 21
 7. " 13 - 20 = 15
 8. " 21 - 40 = 42
 9. " 41 - 60 = 20
 10. " over 60 = 9
 11. No age group or incorrect age group = 9 + 2
4. Place of residence:-

228 + 2

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 21

Overseas:- NIL
5. Type of vehicle:-

Conventional = 47 + 1

4 W.D. = 18

Campervan = 1

Motor Cycle = NIL

Other = 3 (Dual Cab ute, Helicopter, Coach)

Total number of vehicles = 69 + 1
6. Equipment :-

None = 3

Caravan = 23 + 1

Tent = 33

Boat = 21

Trailer = 15

Fishing = 38

Trail Bike = NIL

Generator = 7

Other = 8 (Annexe, Freezer, Diving Equip, Camping Gear).

7. Length of stay:- Days = 624

Nights =

Hours = 324

8. Have you visited the area before:- YES = 44

NO = 22

9. First found out about area through:-

1. Friends/Relatives = 45 +1
2. Other travellers = 10
3. Tourist Bureau = 1
4. Travel Agent = -
5. Park Service = -
6. Service Station = -
7. Motel/Hotel/Cvn Park = -
8. Maps/Brochures etc. = 8
9. Radio/Press/T.V. = 4
10. Other = 2 (Chance, Perth Diving Club)

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value = 53
2. Swimming = 45
3. Beachcombing = 28
4. Fishing = 43 +1
5. Diving = 15
6. Snorkelling = 31
7. Shell collecting = 29
8. Game Fishing = 16
9. Boating = 28
10. Other = 7 (Sunbathing, Relaxation, 4WD driving, Lazing in sun, Peace, Getting away from crowds, Surf skiing).
11. Other = 2 (Sunbathing, Nature viewing for children).

NORTH WEST CAPE VISITOR SURVEY

CODE:- 4

TOTAL

	27.8.82	29.8.82	31.8.82	26.8.82	26.8.82	29.8.82	24.8.82	31.8.82	
1.									
2.	7	5	3	2	2	2	2	5	28
3. (1)	2	1						2	5
(2)	1	1							2
(3)	1	1	2					1	5
(4)							1		1
(5)				1		1			2
(6)		1							1
(7)								1	1
(8)	3	1	1					1	6
(9)							1		1
(10)				1		1			2
4.	WA 6324	W.A 6110	W.A 6009	W.A 6062	VICT 3104	W.A 6054	W.A 6107	W.A 6220	
5. (1)	✓	✓	✓	✓	✓	✓	✓	✓	8
(2)	✓								1
(3)									
(4)									
(5)									
6. (1)									
(2)	✓			✓	✓	✓	✓	✓	6
(3)	✓	✓	✓						3
(4)	✓	✓							2
(5)		✓							1
(6)	✓	✓	✓			✓			4
(7)									
(8)	✓								1
(9)									
7. (1)	8	6	8	7	7	6	11	2	55
(2)	7	7		7		7	10	2	
(3)									

WRONG AGE
GROUP GIVEN

TOTAL

DATE RECEIVED:

CODE:- 4

4

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:- 4

TOTAL

8. (1)	✓	✓	✓	✓	✓	✓	✓	5
(2)	✓	✓					✓	3
9. (1)		✓		✓	✓	✓	✓	5
(2)	✓							1
(3)								
(4)								
(5)								
(6)								
(7)								
(8)		✓						1
(9)						✓		1
(10)			✓					1
TOUR OPERATOR								
11. (1)	✓ 1.		✓ 3.	✓		✓ 1.	✓ 4.	6
(2)	✓ 3.		✓ 4.			✓ 2.	✓ 2.	5
(3)	✓ 2.		✓ 5.				✓ 3.	4
(4)			✓ 1.	✓	✓ 2.	✓ 3.	✓ 1.	6
(5)				✓			✓	2
(6)				✓			✓ 5.	3
(7)	✓ 4.		✓ 6.				✓ 6.	6
(8)				✓	✓ 1.		✓	3
(9)			✓ 2.	✓	✓ 3.		✓	6
(10)							✓ 1.	2
(11)								
DATE RECEIVED:	6.9.82	7.9.82	7.9.82	8.9.82	8.9.82	8.9.82	8.9.82	9.9.82

CODE: - 4

CODE: - 4

TOTAL

[illegible]

CODE:- 4

CODE:- 4

TOTAL

		13	14	15	16	17	18	19	TOTAL
8.	(1)	/	✓	✓		✓		✓	6.
	(2)				✓		✓		2..
9.	(1)	✓	✓	✓	✓	✓			5.
	(2)						✓	✓	2
	(3)								
	(4)								
	(5)								
	(6)								
	(7)								
	(8)						✓		1
	(9)							✓	1
	(10)								
TOUR OPERATOR									-
11.	(1)	✓		✓ 4.	✓ 1.	✓ 4.	✓	✓	7.
	(2)	✓			✓ 2.	✓ 3.	✓	✓ 1.	6
	(3)					✓ 2.	✓		2
	(4)	✓		✓ 1.	✓ 3.	✓ 1.	✓	✓ 2.	6
	(5)								
	(6)	✓		✓ 3.	✓ 5.			✓ 3.	4
	(7)					✓ 5.		✓ 5.	2
	(8)	✓		✓ 2.					-
	(9)	✓		✓ 1.	✓ 6.	✓ 6.			4
	(10)	✓			✓ 4.		✓	✓ 6.	4
	(11)	✓			✓ 7.				2
DATE RECEIVED:		9.9.82	9.9.82	9.9.82	13.9.82	14.9.82	14.9.82	15.9.82	15.9.82

NORTH WEST CAPE VISITOR SURVEY

CODE: -

4

TOTAL

	28.8.82	25.8.82	2.9.82	1.9.82	14.2.81	6.9.82	28.8.82	4.9.82	
1.									
2.	3	2	7	1	-	3	4	4	24
3. (1)			2		WRONG			2	4
(2)					AGE				
(3)	2		1	1	GROUP			1	5
(4)		1					1		2
(5)									
(6)						2			2
(7)			2						2
(8)	1		2			1	2	1	7
(9)		1					1		2
(10)									
4.	6014(2) 6062(1)	WA 6218	6023(2) 6714(5)	WA 6024	CORNAL BAY	WA 6713	6221(3) 6000(1)	60062	
5. (1)	✓	✓	✓	✓	✓		✓		6
(2)							✓	✓	2
(3)									
(4)									
(5)						✓			1
6. (1)									
(2)					✓		✓		2
(3)	✓	✓	✓	✓		✓	✓		6
(4)	✓		✓		✓				3
(5)								✓	1
(6)	✓	✓	✓				✓	✓	5
(7)									
(8)								✓	1
(9)							✓		1
7. (1)	16	14	6		3 yrs	3	12		
(2)	15	14	5			2	12		
(3)				4				4	

NORTH WEST CAPE VISITOR SURVEY

CODE:-

4

TOTAL

8. (1)	✓	✓			✓	✓	✓ (3 HAVE)	✓	6.
(2)			✓	✓			✓ (1 NO)		3..
9. (1)		✓	✓			✓	✓	✓	5
(2)									
(3)									
(4)									
(5)									
(6)									
(7)					✓				1
(8)									
(9)				✓					1
(10)	✓								1
TOUR OPERATOR									
11. (1)	✓ 6.	✓ 4.	✓		✓ 2.		✓		5..
(2)	✓ 2.	✓ 1.	✓		✓ 3.		✓		5
(3)	✓ 3.	✓ 5.			✓ 7.				3
(4)	✓ 5.	✓ 2.	✓		✓ 1.		✓		5
(5)	✓ 7.		✓						2
(6)	✓ 1.	✓ 6.	✓				✓		4
(7)	✓ 4.	✓ 3.			✓ 4.				3
(8)	✓ 8.				✓ 5.				2
(9)	✓ 9.	✓ 7.	✓		✓ 6.				4
(10)				✓					1
(11)									
DATE RECEIVED:	15.9.82	15.9.82.	15.9.82	15.9.82	16.9.82	16.9.82	17.9.82	17.9.82	

NORTH WEST CAPE VISITOR SURVEY

CODE:- 4

TOTAL

[illegible]

CODE: - 4

TOTAL

	8.	9.	10.	11.	12.	13.	14.	15.	16.
8. (1)	✓	✓	✓	✓(4 HAVE)	✓	✓	✓	✓	8.
(2)				✓(1 NO)					1.
9. (1)	✓	✓	✓	✓	✓		✓	✓	7.
(2)						✓			1
(3)									
(4)									
(5)									
(6)									
(7)									
(8)				✓					1
(9)									
(10)									
TOUR OPERATOR									
11. (1)	✓ 8.	/ 6.	✓ 7.	✓ 6.		✓ 4.	✓ 1.	✓	7.
(2)	✓ 3.	✓ 2.	✓ 3.	✓ 2.		✓ 5.	✓ 7.	✓	7
(3)	✓ 4.		✓ 6.	✓ 4.		✓ 7.	✓ 2.		5
(4)	✓ 6.		✓ 2.	✓ 1.		✓ 1.	✓ 5.	✓	6
(5)	✓ 5.		✓ 1.			✓ 3.	✓ 7.		4
(6)	✓ 2.	✓ 1.	✓ 8.			✓ 6.	✓ 8.		5
(7)		✓ 5.	✓ 5.	✓ 7.			✓ 3.	✓	5
(8)	✓ 1.	✓ 3.	✓ 9.	✓ 3.			✓ 4.		4
(9)	✓ 7.	✓ 4.	✓ 4.	✓ 5.		✓ 2.	✓ 6.	✓	7
(10)									
(11)									
DATE RECEIVED:	20.9.82	20.9.82	20.9.82	20.9.82	21.9.82	21.9.82	21.9.82	21.9.82	

CODE: -

CODE: -

TOTAL

[illegible]

CODE: - 4

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:-

TOTAL

		9-1	9-2	9-3	9-4	9-5	9-6	9-7	TOTAL
8.	(1)	✓		✓		✓		✓	4.
	(2)		✓		✓		✓	✓	4.
9.	(1)	✓		✓	✓	✓	✓	✓	7.
	(2)				✓				1
	(3)								1
	(4)								1
	(5)								
	(6)								
	(7)								
	(8)		✓		✓		✓		3
	(9)				✓				1
	(10)								
TOUR OPERATOR									
11.	(1)	✓ 1.	✓	✓	✓ 1.	✓	✓ 7.	✓ 2.	8.
	(2)		✓	✓		✓	✓ 1.	✓ 1.	6
	(3)	✓ 3.		✓			✓ 8.		3
	(4)	✓ 2.		✓	✓ 3	✓	✓ 5.		5
	(5)			✓		✓	✓ 6.		3
	(6)			✓	✓ 2.	✓	✓ 7.		5
	(7)			✓		✓	✓ 4.		3
	(8)						✓ 9.		1
	(9)			✓			✓ 2.		2
	(10)			✓					1
	(11)								1
DATE RECEIVED:		22.9.82	22.9.82	23.9.82	6.10.82	7.10.82	7.10.82	8.10.82	

NORTH WEST CAPE VISITOR SURVEY

CODE: - 4

TOTAL

	5.9.82	23.9.82	29.9.82	5.10.82	UNRECORDED	4-9.82	29.8.82	4.10.82	
1.	2	4	4	9	5	4	4	2	
2.									
3. (1)							2		2
(2)		1			1	1			3
(3)		1			1	1			2
(4)			2	1			1	2	6
(5)				3					3
(6)		1			2				3
(7)						1			1
(8)		1				1			2
(9)			2	1	1		1		5
(10)				4					4
4.	6714	6157	6054(2) 6167(2)	QLD (6) VIC (2) WA (1)	6312	6056	6163(2) 6157(1) 6110(1)	6054	
5. (1)	✓	✓	✓		✓	✓		✓	6
(2)							✓		1
(3)									
(4)									
(5)				✓ COACH					1
6. (1)			✓	✓					2
(2)		✓			✓	✓		✓	6
(3)	✓						✓		1
(4)									
(5)									
(6)	✓				✓		✓		2
(7)									
(8)									
(9)	✓								1
7. (1)	5	10	2		5	14	12		2
(2)	4	9			4		12		
(3)				4 hrs				2 hrs	

NORTH WEST CAPE VISITOR SURVEY

CODE:-

TOTAL

	57	58	59	60	61	62	63	64	65
8. (1)			✓	✓		✓	✓		
(2)	✓	✓		✓	✓			✓	
9. (1)	✓	✓				✓	✓	✓	
(2)			✓		✓		✓		
(3)				✓					
(4)									
(5)									
(6)									
(7)									
(8)	✓								
(9)									
(10)									
TOUR OPERATOR									
11. (1)		✓	✓	✓ 1.	✓ 2.	✓	✓ 6.		
(2)	✓	✓		✓ 2.		✓	✓ 4.	✓ 1.	
(3)	✓			✓ 5.	✓ 4.	✓	✓ 5.		
(4)	✓	✓			✓ 3.	✓	✓ 5.	✓ 2.	
(5)						✓			
(6)		✓				✓	✓ 2.		
(7)	✓	✓	✓	✓ 4.	✓ 1.	✓	✓ 1.	✓ 3.	
(8)						✓			
(9)				✓ 3.		✓	✓ 7.		
(10)						✓			
(11)									
DATE RECEIVED:	14.10.82	14.10.82	19.10.82	19.10.82	21.10.82	29.10.82	29.10.82	23.11.82	

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = $93 + 1 + 2$
2. Total number of people = $349 + 2 + 9$
3. Age Groups:-
 1. Male up to 12 = 46
 2. " 13 - 20 = 25
 3. " 21 - 40 = 62
 4. " 41 - 60 = 42 + 1
 5. " over 60 = 8 + 1
 6. Female up to 12 = 43 + 5
 7. " 13 - 20 = 25
 8. " 21 - 40 = 49
 9. " 41 - 60 = 29
 10. " over 60 = 5
 11. No age group or incorrect age group = 15
4. Place of residence:-

$335 + 2 + 9$

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 14

Overseas:- Nil
5. Type of vehicle:-

Conventional = 62 + 2

4 W.D. = 25 + 1

Campervan = 8

Motor Cycle = Nil

Other = 3 (Van, Airplane).

Total number of vehicles = 98
6. Equipment :-

None = 2

Caravan = 34 + 2

Tent = 32 + 1 + 1

Boat = 38 + 1 + 2

Trailer = 17 + 1 + 1

Fishing = 48 + 1 + 1

Trail Bike = 2

Generator = 5

Other = 12 (Villa Nova, Snorkelling, Surf Cast, Suba, Freezer, Gadar, Diving).

7. Length of stay:- Days = 1348

Nights =

Hours =

8. Have you visited the area before:- YES = 63

NO = 30

9. First found out about area through:-

1. Friends/Relatives = 64

2. Other travellers = 31

3. Tourist Bureau = 1

4. Travel Agent = -

5. Park Service = -

6. Service Station = -

7. Motel/Hotel/Cvn Park = 1

8. Maps/Brochures etc. = 12

9. Radio/Press/T.V. = 4

10. Other = 2 (Just cruised in! R.A.A.F.)

Number of Tour Operators = NIL

11. Important features of the reef:-

1. Scenic Value = 69

2. Swimming = 69

3. Beachcombing = 42

4. Fishing = 72

5. Diving = 33

6. Snorkelling = 46

7. Shell collecting = 37

8. Game Fishing = 32

9. Boating = 49

10. Other = 15 (Relaxation, Get away from it all, Peace of mind, Beauty of reef, Gorges, Coast, Weather, Isolation, Walking, Snorkelling, Coral).

11. Other = 2 (Drinking, Safe for children)

NORTH WEST CAPE VISITOR SURVEY

CODE:- S

TOTAL

	1982	28.8.82	25.8.82	22.8.82	28.8.82	1.9.82	28.8.82	29.8.82	
1.									
2.	2	2	2	6	2	2	5	4	25
3. (1)				4				1	5
(2)							2		2
(3)	1	1		1		1		1	5
(4)			1				1		2
(5)									
(6)							1	1	2
(7)									
(8)	1	1		1		1	1	1	6
(9)			1						1
(10)									
4.	VICT 3130	W.A 6215	W.A 6014	W.A 6244	W.A. 6716	W.A. 4017 (1) 4020 (1)	W.A 6210	W.A 6154 (3) 6009 (1)	
5. (1)	✓		✓	✓	✓	✓	✓	✓	7
(2)									
(3)									
(4)									
(5)		✓							1
6. (1)									
(2)			✓			✓			2
(3)	✓	✓			✓		✓	✓	5
(4)		✓	✓				✓		3
(5)				✓			✓		2
(6)	✓	✓	✓	✓	✓	✓	✓		7
(7)						✓			1
(8)			✓				✓		2
(9)	✓			✓					2
7. (1)	5	14	30	12	14	2	8	14	99
(2)	4	14			14	2	9		
(3)									

 W RONG A56 GROUP
S/VEN

CODE:-

TOTAL

		22	23	24	25	26	27	TOTAL
8.	(1)	✓	✓	✓	✓		✓	5.
	(2)	✓				✓	✓	3
9.	(1)	✓	✓	✓	✓		✓	6.
	(2)		✓	✓		✓	✓	5
	(3)							
	(4)							
	(5)							
	(6)							
	(7)							
	(8)							
	(9)							
	(10)							
TOUR OPERATOR								
11.	(1)	✓		✓ 2.	✓ 3.	1.	✓	4
	(2)	✓	✓	✓ 7.	✓ 4.		✓	5
	(3)	✓	✓	✓ 8.	✓ 2.			4
	(4)	✓	✓	✓ 1.	✓ 1.		✓	5
	(5)	✓		✓ 3.				2
	(6)	✓		✓ 4.			✓	3
	(7)	✓	✓	✓ 9.			✓	1.
	(8)			✓ 5.	✓ 5.			2
	(9)		✓	✓ 6.			✓	3
	(10)							
	(11)							
DATE RECEIVED:		7.9.82	7.9.82	7.9.82	7.9.82	7.9.82	7.9.82	7.9.82

CODE:- S

CODE:- S

[illegible]

CODE: - 115

CODE: - 5

68

[illegible]

CODE: S

S

[illegible]

CODE:-

CODE:- 5

TOTAL

[illegible]

CODE:-

TOTAL

		60	61	62	63	64	TOTAL
3.	(1)	✓		✓	✓		3.
	(2)	✓	✓		✓	✓	5..
9.	(1)	✓	✓	✓	✓	✓	6.
	(2)				✓	✓	2
	(3)						
	(4)						
	(5)						
	(5)						
	(7)						
	(3)		✓				1
	(3)						
	(13)						
TOUR OPERATOR							
11.	(1)	✓	✓ 1.		✓ 1.	✓ 5.	6.
	(2)	✓		✓ 1.	✓ 2.	✓ 4.	5
	(3)	✓	✓ 3.		✓	✓ 6.	4
	(4)	✓	✓ 2.	✓ 2.	✓ 3.	✓ 1.	8
	(5)	✓				✓ 3.	2
	(6)	✓				✓ 2.	2
	(7)				✓		1
	(8)				✓	✓ 7.	3
	(9)				✓ 4	✓	3
	(10)						
	(11)						
DATE RECEIVED:		13.9.82	14.9.82	15.9.82	16.9.82	16.9.82	21.9.82

NORTH WEST CAPE VISITOR SURVEY

CODE:- 5

TOTAL

[illegible]

CODE: - 5

CODE: - 5

TOTAL

[illegible]

CODE:- S

TOTAL

DATE
RECEIVED:

CODE: 5

CODE:- 5

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:- \$ TOTAL

[illegible]

CODE:- S

TOTAL

✓ Freeze

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 16
2. Total number of people = 42
3. Age Groups:-
 1. Male up to 12 = 2
 2. " 13 - 20 = 3
 3. " 21 - 40 = 16
 4. " 41 - 60 = 6
 5. " over 60 = -
 6. Female up to 12 = 1
 7. " 13 - 20 = 4
 8. " 21 - 40 = 5
 9. " 41 - 60 = 4
 10. " over 60 = 1
 11. No age group or incorrect age group = -
4. Place of residence:-

37

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 2

Overseas:- 3 (Philippines, Germany, Singapore)
5. Type of vehicle:-

Conventional = 11

4 W.D. = 3

Camper van = NIL

Motor Cycle = NIL

Other = 2 (Planes)

Total number of vehicles = 16
6. Equipment :-

None = 10

Caravan = 1

Tent = 2

Boat = NIL

Trailer = NIL

Fishing = 2

Trail Bike = NIL

Generator = 1

Other = 3 (Business, Photographic, Survey Equip).

7. Length of stay:- Days = 38

Nights =

Hours =

8. Have you visited the area before:- YES = 10

NO = 6

9. First found out about area through:-

1. Friends/Relatives = 8

2. Other travellers = NIL

3. Tourist Bureau = NIL

4. Travel Agent = NIL

5. Park Service = NIL

6. Service Station = NIL

7. Motel/Hotel/Cvn Park = NIL

8. Maps/Brochures etc. = 3

9. Radio/Press/T.V. = NIL

10. Other = 3 (Come on business, work, business)

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value = 5

2. Swimming = 1

3. Beachcombing = 1

4. Fishing = NIL

5. Diving = NIL

6. Snorkelling = NIL

7. Shell collecting = 1

8. Game Fishing = NIL

9. Boating = NIL

10. Other = 4 (Geological skata, Flora + fauna, Pub, Beer)

11. Other = Flora + Fauna.

CODE:- 6

TOTAL

[illegible]

CODE:- 6

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY:

CODE:-

6

TOTAL

	31.8.82	30.8.82	15.8.82	13.9.82	6.9.82	11.9.82	13.9.82	3.10.82	
1.									
2.	1	2	4	2	1	2	3	3	15
3. (1)									
(2)					1				1
(3)	1		3			1	3	2	10
(4)		1	1	1				1	4
(5)									
(6)									
(7)						1			1
(8)		1							1
(9)				1					1
(10)									
4.	W.A 6155	W.A 6155	AUST (1) PHILIPINES (1) GERMANY (1) SINGAPORE (1)	6308	6530	6255	6053 (1) 6019 (1) 6062 (1)	6151 (1) 6112 (2)	
5. (1)	✓	✓		✓	✓			✓	5
(2)			✓			✓			2
(3)									
(4)									
(5)							✓		1
6. (1)	✓			✓	✓		✓	✓	5
(2)			✓						1
(3)						✓			1
(4)									
(5)									
(6)		✓							1
(7)									
(8)			✓						1
(9)		✓	✓						2
7. (1)	2	2	10				1	2	17
(2)	1	3	10		1	1	1	1	
(3)				18					

NORTH WEST CAPE VISITOR SURVEY.

CODE:-

6

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 5
2. Total number of people = 17
3. Age Groups:-
 1. Male up to 12 = 4
 2. " 13 - 20 = 1
 3. " 21 - 40 = -
 4. " 41 - 60 = 3
 5. " over 60 = 2
 6. Female up to 12 = 2
 7. " 13 - 20 = -
 8. " 21 - 40 = 1
 9. " 41 - 60 = 2
 10. " over 60 = 2
 11. No age group or incorrect age group = -
4. Place of residence:-

13

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 4

Overseas:-
5. Type of vehicle:-

Conventional = 3

4 W.D. = NIL

Campervan = 1

Motor Cycle = NIL

Other = 2 (Aircraft, Rented Vehicle)

Total number of vehicles = 6
6. Equipment :-

None = 1

Caravan = 1

Tent = 1

Boat = 1

Trailer = NIL

Fishing = 1

Trail Bike = NIL

Generator = NIL

Other = NIL

7. Length of stay:- Days = 26

Nights =

Hours =

8. Have you visited the area before:- YES = 3

NO = 2

9. First found out about area through:-

1. Friends/Relatives = 1

2. Other travellers = 1

3. Tourist Bureau = 1

4. Travel Agent = -

5. Park Service = -

6. Service Station = -

7. Motel/Hotel/Cvn Park = -

8. Maps/Brochures etc. = 1

9. Radio/Press/T.V. = -

10. Other = (School, visited in course of work)

Number of Tour Operators = -

11. Important features of the reef:-

1. Scenic Value = 4

2. Swimming = 2

3. Beachcombing = 2

4. Fishing = 2

5. Diving = 1

6. Snorkelling = 1

7. Shell collecting = 1

8. Game Fishing = 2

9. Boating = 2

10. Other = 1 (Snapping)

11. Other =

CODE:-

CODE:-

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 33
2. Total number of people = 101
3. Age Groups:-
 1. Male up to 12 = 11
 2. " 13 - 20 = 4
 3. " 21 - 40 = 19
 4. " 41 - 60 = 5
 5. " over 60 = 7
 6. Female up to 12 = 16
 7. " 13 - 20 = 1
 8. " 21 - 40 = 18
 9. " 41 - 60 = 9
 10. " over 60 = 5
 11. No age group or incorrect age group = 6
4. Place of residence:-

91

Western Australia :- a) Perth metropolitan =

b) Country Areas =

Other States:- 10

Overseas:-
5. Type of vehicle:-

Conventional = 21

4 W.D. = 12

Campervan = 2

Motor Cycle = -

Other = -

Total number of vehicles = 35
6. Equipment :-

None = 1

Caravan = 17

Tent = 16

Boat = 10

Trailer = 4

Fishing = 18

Trail Bike = NIL

Generator = 4

Other = 3 (Freezer, (2) Swba)

NORTH WEST CAPE VISITOR SURVEY

CODE: 748

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY: 38 20. CODE: 30 8 TOTAL

CODE: -

8

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 58
2. Total number of people = 170
3. Age Groups:-
 1. Male up to 12 = 14
 2. " 13 - 20 = 14
 3. " 21 - 40 = 17
 4. " 41 - 60 = 23
 5. " over 60 = 17
 6. Female up to 12 = 17
 7. " 13 - 20 = 6
 8. " 21 - 40 = 20
 9. " 41 - 60 = 21
 10. " over 60 = 15
 11. No age group or incorrect age group = 6
4. Place of residence:-

130

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 36

Overseas:- 2

Unknown:- 2
5. Type of vehicle:-

Conventional = 35

4 W.D. = 10

Campervan = 5

Motor Cycle = -

Other = 1 (F100)

Total number of vehicles = 51
6. Equipment :-

None = 5

Caravan = 23

Tent = 22

Boat = 10

Trailer = 9

Fishing = 32

Trail Bike = -

Generator = 10

Other = 9 (Camping gear, push bike, diving, photographic, golf clubs, freezer, annexe, Bird & Flower books, Toilet, Hiking).

7. Length of stay:- Days = 1330

Nights =

Hours =

8. Have you visited the area before:- YES = 28

NO = 30

9. First found out about area through:-

1. Friends/Relatives = 32

2. Other travellers = 5

3. Tourist Bureau = 1

4. Travel Agent = 1

5. Park Service = 2

6. Service Station = -

7. Motel/Hotel/Cvn Park = 1

8. Maps/Brochures etc. = 19

9. Radio/Press/T.V. = 3

10. Other = 4

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value = 39

2. Swimming = 24

3. Beachcombing = 23

4. Fishing = 31

5. Diving = 5

6. Snorkelling = 11

7. Shell collecting = 26

8. Game Fishing = 3

9. Boating = 10

10. Other = 8

11. Other = 2

CODE: - 9

TOTAL

[illegible]

CODE: -

9

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE: 9

TOTAL

	4-9-82	30-8-82	4-8-82	29-6-82	29-8-82	1-9-82	29-82	14-6-82	
1.									
2.	3	4	4	2	4	4	4	4	29
3. (1)					1	2			3
(2)	2		2				2		6
(3)					1	1			2
(4)			1				1	2	4
(5)				1					1
(6)		1			1				2
(7)	1	1							2
(8)		1			1	1		2	5
(9)			1				1		2
(10)		1		1					2
4.	W.A 6707	W.A 6155(3) 6051(1)	Kathleen (2) 6061 (2)	W.A 6009	W.A 6508	W.A 6743	6361(3) 6350(1)	W.A 6210	
5. (1)		✓	✓	✓	✓	✓		✓	6
(2)	✓						✓		2
(3)									
(4)									
(5)									
6. (1)		✓		✓					2
(2)								✓	1
(3)						✓	✓	✓	3
(4)							✓	✓	2
(5)						✓	✓	✓	3
(6)	✓		✓			✓	✓	✓	5
(7)									
(8)							✓	✓	2
(9)	✓		✓		✓				3
7. (1)	2	10	17	77	14		2	90	212
(2)	1	10	16	77			1	90	
(3)						6			

NORTH WEST COPE VISITOR SURVEY

CODE:- 9

TOTAL

	9	10	11	12	13	14	15	16	TOTAL
8. (1)	✓	✓	✓	✓	✓		✓	✓	7.
(2)						✓			1
9. (1)	✓		✓	✓		✓			4.
(2)								✓	1
(3)							✓		1
(4)		✓							1
(5)									
(6)									
(7)									
(8)							✓		1
(9)									
(10)					✓				1
TOUR OPERATOR									
11. (1)	✓ 1.	✓ 3.	✓	✓ 2.	✓ 1.	✓ 1.		✓	7
(2)		✓ 2.	✓		✓ 2.	✓ 2.		✓	5
(3)		✓ 1.	✓		✓ 5.			✓	4
(4)	✓ 2.		✓	✓ 1.		✓ 4.	✓	✓	6
(5)					✓ 3.			✓	1
(6)	✓ 3.				✓ 4.	✓ 3.	✓		4
(7)		✓ 4.						✓	1
(8)									
(9)			✓			✓ 5.	✓	✓	3
(10)						✓ 6.		✓	1
(11)						✓ 7.			1
DATE RECEIVED:	8.9.82	9.9.82	9.9.82	9.9.82	9.9.82	13.9.82	13.9.82	14.9.82	

NORTH WEST CAPE VISITOR SURVEY

CODE:-

9

TOTAL

[illegible]

TOTAL

DATE
RECEIVED:

NORTH WEST CAPE VISITOR SURVEY

CODE:-

9

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:-

TOTAL

[illegible]

CODE:- 9 TOTAL

CODE:- 9 TOTAL

CODE:-

9

TOTAL

	8	9	10	11	12	13	14	TOTAL
8. (1)			/		/	/		4.
(2)	/	/	-	/			/	4..
9. (1)			/					1.
(2)		/			AFCOM			1
(3)				/			/	2
(4)								0
(5)	/							1
(6)								
(7)								
(8)				/		/	/	3
(9)								
(10)							/	1-
TOUR OPERATOR								
11. (1)	/ 2	/ 2.	/ 1.	/ 2.			/ 2.	6
(2)	/ 3.		/ 3.			/ 1.		3
(3)			/ 4.			/ 2.	/ 3.	5
(4)		/ 1.	/ 2.		/	/ 3.	/ 1.	6
(5)				/ 1.				1
(6)						/ 4.		1
(7)			/ 5.	/ 3.	/		/ 4.	5
(8)				/ 4.				1
(9)								
(10)	/ 1.	/ 3.						2
(11)								
DATE RECEIVED:	15.9.82	15.9.82	17.9.82	17.9.82	20.9.82	21.9.82	22.9.82	

CODE: -

TOTAL

[illegible]

TOTAL

DATE
RECEIVED:

37 38 39 40 41 42 43

9

TOTAL

DATE
RECEIVED:

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 48 + 1
2. Total number of people = 156 + 5
3. Age Groups:-
 1. Male up to 12 = 23
 2. " 13 - 20 = 7
 3. " 21 - 40 = 26
 4. " 41 - 60 = 14
 5. " over 60 = 11
 6. Female up to 12 = 16
 7. " 13 - 20 = 4
 8. " 21 - 40 = 21
 9. " 41 - 60 = 15
 10. " over 60 = 7
 11. No age group or incorrect age group = 12 + 2
4. Place of residence:-

122 + 2

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 32

Overseas:- 2
5. Type of vehicle:-

Conventional = 29 + 1

4 W.D. = 16

Campervan = 3

Motor Cycle = 1

Other = 1 (Mini-Van)

Total number of vehicles = 50
6. Equipment :-

None = 2

Caravan = 24

Tent = 23

Boat = 18

Trailer = 7

Fishing = 26

Trail Bike = 1

Generator = 19

Other = 7 (Camping Trailer, Toilet, Freezer, Shower, Photographic, Surf Cat, Diving).

7. Length of stay:- Days = 484

Nights =

Hours =

8. Have you visited the area before:- YES = 25

NO = 22

(1 - no information supplied)

9. First found out about area through:-

1. Friends/Relatives = 24

2. Other travellers = 11

3. Tourist Bureau = 2

4. Travel Agent = -

5. Park Service = 4

6. Service Station = -

7. Motel/Hotel/Cvn Park = -

8. Maps/Brochures etc. = 8

9. Radio/Press/T.V. = -

10. Other = 5 (CSIRO, Fisheries, Member W.S.S.C.
(Whitford Sea Sports Club))

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value = 37

2. Swimming = 27

3. Beachcombing = 21

4. Fishing = 31

5. Diving = 7

6. Snorkelling = 19

7. Shell collecting = 24

8. Game Fishing = 6

9. Boating = 19

10. Other = 4 (Isolated camping, Country, Fishing in Yardie Creek,
Coral, Photography, Kangaroos)

11. Other = 1 (Walking in gorges)

NORTH WEST CAPE VISITOR SURVEY

CODE:- 11

TOTAL

	22.8.82	26.8.82	16.8.82	21.8.82	22.8.82	21.8.82	23.8.82	23.8.82	
1.	4	1	5	2	4	2	5	4	27
3. (1)	1		2		2		2	1	8
(2)									
(3)	1		1		1		1		4
(4)				1				1	2
(5)									
(6)	1		1						2
(7)							1	1	2
(8)	1	1	1		1		1		5
(9)				1				1	2
(10)									
4.	QLD 4127	VICT 3065	WA 6395	WA 6210	WA 6163	WA 6210	WA 6215	W.A 6215	
5. (1)							✓	✓	2
(2)	✓		✓	✓	✓	✓			5
(3)									
(4)		✓							1
(5)									
6. (1)		✓							1
(2)				✓	✓	✓		✓	4
(3)	✓		✓				✓		3
(4)	✓			✓	✓		✓		4
(5)			✓				✓		2
(6)			✓	✓	✓		✓	✓	5
(7)									
(8)			✓	✓	✓	✓	✓		5
(9)									
7. (1)	7		28		7		20	10	72
(2)	8			9	8	9	20	10	
(3)		8							

WRONG AGE
GROUP SILEN

TOTAL

[illegible]

CODE: - 11

11

[illegible]

CODE:- 11

TOTAL

DATE
RECEIVED:

CODE:-

TOTAL

	17	18	19	20	21	22	23	24	25
8. (1)	✓	/		.	✓	✓		✓	5.
(2)			✓	✓			✓		3..
9. (1)		✓	✓	✓		✓	.	✓	5.
(2)					✓		✓		2
(3)	✓								1
(4)									:
(5)									
(6)									
(7)									
(8)							✓		1
(9)									-
(10)									-
TOUR OPERATOR									
11. (1)	✓	/	✓ 4.			✓		✓ 5.	5.
(2)	✓	/	✓ 2.					✓ 3.	4
(3)	✓		✓ 5.					✓ 6.	3
(4)		✓	✓ 3.			✓		✓ 1.	4
(5)	✓					✓			2
(6)	✓					✓			2
(7)	✓	✓	✓ 6.					✓ 4.	~
(8)		✓							1
(9)			✓ 7.			✓		✓ 2.	3
(10)			✓ 1.					✓ 7.	2
(11)									
DATE RECEIVED:	9-9-82	10-9-82	13-9-82	14-9-82	14-9-82	14-9-82	14-9-82	14-9-82	.

CODE: -

TOTAL

[illegible]

CODE:- 11

} 1

[illegible]

CODE:-

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE: -

TOTAL.

8.	(1)				✓				
	(2)	✓	✓	✓		✓	✓	✓	✓
9.	(1)					✓	✓		
	(2)				✓			✓	
	(3)								
	(4)								
	(5)			✓					
	(6)								
	(7)								
	(8)	✓							✓
	(9)								
	(10)		✓						
TOUR OPERATOR									
11.	(1)	✓	✓ 1.	✓ 1.	✓ 7.	✓ 2.	✓ 1.	✓ 6.	✓
	(2)	✓	✓ 2.	✓ 2.		✓ 3.	✓ 2.	✓ 2.	
	(3)	✓	✓ 8.			✓ 8.	✓ 3.	✓ 3.	
	(4)		✓ 5.		✓ 2.	✓ 7.		✓ 1.	
	(5)		✓ 6.		✓ 3.				
	(6)		✓ 3.	✓ 3.	✓ 4.	✓ 5.	✓ 4.	✓ 7.	
	(7)		✓ 7.		✓ 8.	✓ 6.	✓ 5.	✓ 4.	✓
	(3)		✓ 9.		✓ 1.				
	(3)		✓ 4.		✓ 5.	✓ 4.		✓ 5.	
	(10)				✓ 6.	✓ 1.			
	(11)					✓			
DATE RECEIVED:		29.9.82	30.9.82	5.10.82	7.10.82	13.10.82	25.10.82	25.10.82	26.10.82

NORTH WEST CAPE VISITOR SURVEY

1. Total number of survey forms received = 4
2. Total number of people = 10
3. Age Groups:-
 1. Male up to 12 =
 2. " 13 - 20 =
 3. " 21 - 40 =
 4. " 41 - 60 = 2
 5. " over 60 = 1
 6. Female up to 12 = 1
 7. " 13 - 20 = 1
 8. " 21 - 40 = 1
 9. " 41 - 60 = 2
 10. " over 60 = 1
 11. No age group or incorrect age group = 1
4. Place of residence:-
 - 9
 - Western Australia :- a) Perth metropolitan =
 - b) Country areas =
 - Other States:- 1
 - Overseas:-
5. Type of vehicle:-
 - Conventional = 1
 - 4 W.D. = 2
 - Campervan = 1
 - Motor Cycle =
 - Other =
 - Total number of vehicles = 4
6. Equipment :-
 - None = 1
 - Caravan = 2
 - Tent = 1
 - Boat = 2
 - Trailer = -
 - Fishing = 3
 - Trail Bike = -
 - Generator = 2
 - Other = -

7. Length of stay:- Days = 287

Nights =

Hours =

8. Have you visited the area before:- YES = 4

NO =

9. First found out about area through:-

1. Friends/Relatives = 4

2. Other travellers =

3. Tourist Bureau =

4. Travel Agent =

5. Park Service =

6. Service Station =

7. Motel/Hotel/Cvn Park =

8. Maps/Brochures etc. = 2

9. Radio/Press/T.V. =

10. Other = 1 (war service)

Number of Tour Operators =

11. Important features of the reef:-

1. Scenic Value = 4

2. Swimming = 4

3. Beachcombing = 4

4. Fishing = 4

5. Diving = 1

6. Snorkelling = 1

7. Shell collecting = 4

8. Game Fishing = -

9. Boating = 3

10. Other = 1 (Reef creatures & coral)

11. Other = 1 (Plant life)

CODE:- 12

1.	10.7.82	27.8.82	4.5.82	7.6.82
----	---------	---------	--------	--------

2.	1	3	4	2
----	---	---	---	---

3. (1)

(2)

(3)

(4)

(5)

(6)

(7)

(B)

(9)

(17)

4.	WA 6154	WA (2) 6051 NSW (1)	6025 (2) 6112 (2)	WA 6210
----	------------	---------------------------	----------------------	------------

5. (1)

(2)

(7)

(4)

(5)

(a)

(c)

(7)

(4)

(-)

(c)

(7)

(2)

(2)

(a)

(1)

100

TOTAL

DATE
RECEIVED:

COASTAL SURVEY

COMMENTS

Cape Lange

LOCATION

		OTHER	CARS	CAMPERS	CARAVANS	TENTS	TRAILERS	BOATS	
	4 WD								
1/12/82	1				1			1	Marguerite B.
18/12/82			3						
19/12/82	4		1		1		1	1	Neds
20/12/82	3		4		1		1	1	Neds.
23/12/82	2		3		1		1	1	Neds.
25/12/82	4		6	1	1	2	3	3	Neds. Sandy Bay Lake View
28/12/82	8		7	1	1	2	3	3	T Bone Neds. Lake View
31/12/82	4		7	1	1	3	2	2	T Bone Neds Lake View
1/1/83	4		3	1		3			T Bone Pilgrimage Lake View
3/1/83	3		3	1		2			Neds m/m/s T Bone
13/1/83	3		6	1			4	4	T Bone S. Pilgrimage Lake View
14/1/83			1			1			Neds camp
21/1/83			1			1			Marche South
23/1/83			1			1			Neds camp
29/1/83	1		6	2	1		1	3	Neds camp
29/1/83	1				1			1	T Bone camp
29/1/83			4			4			South T Bone
29/1/83	2		3			4	1	1	Camp 17 kms
29/1/83			3			3			Marche South
29/1/83	1		3			3	2	2	Pilgrimage

Richard, long and end campers was the same for the three days plus day trippers.

29/30/31 all went home.

Regards Bob

COASTAL SURVEY

COMMENTS

LOCATION

		OTHER	CARS	CAMPERS/VANS	CARAVANS	TENTS	TRAILERS	BOATS	
	4WD								
3/11/82	1				1				Neds camp
				2					T-Bone Bay
4/11/82	2				1	1		1	Neds camp
	1				1				Lakeside
	1					1			Pilgrimage
	2					1		1	Sandy Bay
	1			1				1	36 km camp
	1		2		1	2	1	1	Yardie bk
6/11/82	1				1			1	Mangrove B.
			2		1		1	1	Neds camp
	1					1	1		T-Bone Bay
			3	1		3		2	Lakeside
8/11/82	1				1			1	Mangrove
				1			1		T-Bone Bay
11/11/82	1				1			1	Mangrove
			1			1			Neds camp
			1			1			T-Bone Bay
13/11/82	2				2			1	Mangrove Bay
	3				1	2	1		Longue B.
14/11/82	2	P M BIKE 1			2			1	Mangrove B.
						1			T-Bone Bay
	3				1	2	1		Longue
18/11/82	1				1			1	Mangrove Bay
	3	BIKE 1				3			Yardie bk
	1				1			1	Mangrove B.
	2	BIKE 1				3			Yardie bk
19/11/82	1				1			1	Mangrove B.
	3	BIKE 1				3			Yardie

COASTAL SURVEY

COMMENTS

LOCATION

	L.W.D.	OTHER	CARS	CAMPERVANS	CARAVANS	TENTS	TRAILERS	BOATS	
20/11/82	1				1			1	Mangrove B
21/11/82	1				1			1	" "
24/11/82	1				1			1	Mangrove B
			1				1	1	Neds Camp
27/11/82	1				1			1	Mangrove B
				1		1			Neds Camp
			1			1			T-Bone Bay
	4					2	1	1	Plymouth
	1					1			Sandy Bay
			2	1		2		1	Yardie Bk
30/11/82	1			1				1	Mangrove B

Richard, please note that a family of people had camp at the Mangrove Bay for one month.

TRAFFIC COUNT RECORDING SHEET

NATIONAL PARK... Cape Range ... MONTH/YEAR November ... 1982 ...

LOCATION OF COUNTER... North West Boundary ...

Day	Recorder Count	Since Previous Count	Day	Recorder Count	Since Previous Count
1.			17.		
2.			18.		
3.	9224	101	19.	9509	21
4.			20.	9517	8
5.			21.	9548	31
6.	9260	36	22.		
7.	9315	55	23.		
8.	9346	31	24.	9581	33
9.			25.		
10.			26.		
11.	9396	50	27.	9610	29
12.			28.		
13.	9447	51	29.	0	
14.	9466	19	30.	9708	98
15.	9488	22	31.		
16.					

Last day of this month... 9708

Total for month... 1669

Last of previous month... 8039

÷ by days in month... 30

(a) TOTAL FOR MONTH... 1669

(b) Average per day... 55.6

ESTIMATE OF NO. PEOPLE PER VEHICLE... 2/3

Correction Value

If your counter does not record accurately and registers, say 4 instead of 1 for each vehicle that passes over - indicate the true figure and recalculate your figures below.

Total for month (a)

÷ correction value

Actual for month

Average for month (b)

÷ correction value

Actual No. per day

NORTH WEST CAPE VISITOR SURVEY

SUMMARY BATCH No. 1

1. Total number of survey forms received = 469
2. Total number of people = 1581
3. Age Groups:-
 1. Male up to 12 = 186
 2. " 13 - 20 = 115
 3. " 21 - 40 = 264
 4. " 41 - 60 = 183
 5. " over 60 = 81
 6. Female up to 12 = 163
 7. " 13 - 20 = 76
 8. " 21 - 40 = 219
 9. " 41 - 60 = 139
 10. " over 60 = 69
 11. No age group or incorrect age group = 88
4. Place of residence:-

1421

Western Australia :- a) Perth metropolitan =

b) Country areas =

Other States:- 128 NSW 48 Qld 21 ACT 6
VIC 41 SA 9 TAS 3

Overseas:- 15 Canada 4 W. Germ 3 Germany 1 Switzerland 2
N. Z. 3 Phillipines 1 Singapore 1

No answer:- 17
5. Type of vehicle:-

Conventional = 283

4 W.D. = 148

Campervan = 35

Motor Cycle = 1

Other = 15 (1 van; 1 coach; 13 unknown)

No answer:- 1

Total number of vehicles = 483
6. Equipment :-

None = 31

Caravan = 180

Tent = 206

Boat = 174

Trailer = 99

Fishing = 267

Trail Bike = 11

Generator = 116

Other = ~~66~~ 67 (64 unknown; 1 freezer; 1 toilet; 1 camper trailer)

7. Length of stay:- Days = 7890 + 1 permanent

Nights =

Hours = 8

8. Have you visited the area before:- YES = 308

NO = 160

9. First found out about area through:-

1. Friends/Relatives = 314

2. Other travellers = 85

3. Tourist Bureau = 15

4. Travel Agent = 1

5. Park Service = 6

6. Service Station = -

7. Motel/Hotel/Cvn Park = 3

8. Maps/Brochures etc. = 75

9. Radio/Press/T.V. = 12

10. Other = 42 (34 unknown; 2 gen. knowledge; 1 newspaper; 1 war service; 1 general touring; 1 work visit; 1 M.M.A; 1 round Australia trip)

Number of Tour Operators = -

11. Important features of the reef:-

1. Scenic Value =

2. Swimming =

3. Beachcombing =

4. Fishing =

5. Diving =

6. Snorkelling =

7. Shell collecting =

8. Game Fishing =

9. Boating =

10. Other =

11. Other =

DATE	1	2	3	4	5	6	7	8	9	11	12	13	TOTAL
5.5.83										6			206
13.5.83			1							2			209
17.5.83			1							1			211
20.5.83										2			213
25.5.83									1	1			215
27.5.83									1				216
30.5.83										2			218
31.5.83					3								221
1.6.83					9					1			231
3.6.83										2			233
8.6.83					3					11			247
9.6.83					1					2			250
15.6.83					3								253
16.6.83										3			256
17.6.83					1					1			258
20.6.83									1	1			260
21.6.83										1			261
22.6.83					1					1			263
23.6.83										1			264
28.6.83					1					1			266
30.6.83					2					2			270
4.7.83										75			345
5.7.83									1	1			347
6.7.83										1			348
7.7.83										6			354
8.7.83										2			356
11.7.83									1	1			358
12.7.83					6				1	2			367
19.7.83					2				1	1			371
22.7.83										1			372
25.7.83								2		3			377
26.7.83					3				1				381
28.7.83										1			382

DATE	1	2	3	4	5	6	7	8	9	11	12	13	TOTAL
1-8-83					2				1	1			386
2-8-83					3				1	2			392
3-8-83			1							10			403
4-8-83										1			404
5-8-83									2	1			407
11-8-83					5				1				413
12-8-83					1					2		3	416
16-8-83					9					2		11	427
17-8-83									1			1	428
18-8-83					1					3		4	432

BATCH No 2

[illegible]

DATE	1	2	3	4	5	6	7	8	9	11	12	13	TOTAL
16.11.82										2			128
22.11.82			1		1								130
23.11.82										7			137
24.11.82					3								140
26.11.82										1			141
30.11.82					7								148
3.12.82										2			150
6.12.82										1			151
9.12.82										1			152
21.12.82						1							153
30.12.82					1								154
6.1.83					2								156
11.1.83					2					1			159
12.1.83			1										160
17.1.83			1	3					1				165
25.1.83				2									167
27.1.83			1										168
3.2.83										1			169
7.2.83					1					2			172
14.2.83					1			1					174
8.4.83										5			179
12.4.83										2			181
14.4.83										1			182
19.4.83								1		1			184
27.4.83										2			186
2.3.83										1			187
3.3.83										1			188
10.3.83										2			190
11.3.83			1										191
22.3.83									1				192
6.4.83									1	2			195
28.4.83						1							196
2.5.83										2			198
3.5.83										2			200

TOTAL

7. (1)
(2)
(3)

NORTH WEST CAPE VISITOR SURVEY

CODE: 3

TOTAL

	1	2	3	4	5	6	7	8	TOTAL
8. (1)		✓							
(2)	✓		✓	✓	✓	✓	✓	✓	7
9. (1)	✓						✓		1
(2)			✓	✓					
(3)									
(4)									
(5)									
(6)					✓				1
(7)									
(8)							✓		
(9)									
(10)		✓				✓ interest ✓ areas ✓ measure to ✓ work			2
TOL R OPERATOR									
11. (1)		✓ 7.	✓ 4.		✓	✓ 1.	✓	✓	
(2)	✓ 2.	✓ 1.					✓		
(3)		✓ 5.					✓		2
(4)	✓ 1.	✓ 1.	✓ 1.			✓ 3.	✓		5
(5)			✓ 2.				✓		2
(6)		✓ 1.			✓	✓ 2.	✓		2
(7)		✓ 6.					✓		2
(8)			✓ 3.						1
(9)		✓ 6.					✓		3
(10)						✓ 4.			1
(11)									
DATE RECEIVED:	13.10.82	15.10.82	15.10.82	15.10.82	10.10.82	22.11.82	12.1.83	17.1.83	

NORTH WEST CAPE VISITOR SURVEY

13 CODE:- 3

	11	12	13	14	15	16	TOTAL
1.	31-8-82	29-8-82	2-5-83	1-5-83	20-7-83		
2.	4	3	2	3	2		
3. (1)	1						
(2)							
(3)	1	2	1	2			
(4)					1		
(5)							
(6)	1						
(7)		1					
(8)	1		1	1			
(9)					1		
(10)							
4.	6024	6020	6762	6000	S.A. 5063		
5. (1)	✓						
(2)		✓	✓	✓			
(3)					✓		
(4)							
(5)							
6. (1)							
(2)	✓						
(3)		✓	✓	✓			
(4)		✓	✓				
(5)							
(6)	✓	✓	✓	✓	✓		
(7)							
(8)	✓	✓	✓	✓			
(9)		✓ Fridge	✓ Diving		✓ water		
7. (1)	10	13	4	7			
(2)		13	5	8	2		
(3)							

NORTH WEST CAPE VISITOR SURVEY

CODE:-

3

TOTAL

	9	10	11	12	13	14	15	16	TOTAL
8. (1)	✓	✓		✓	✓				
(2)			✓						
9. (1)	✓	✓		✓					
(2)					✓				
(3)					✓				
(4)									
(5)				✓					
(6)									
(7)									
(8)			✓		✓				
(9)	✓								
(10)									
TOUR OPERATOR									
11. (1)	✓	✓ 3.	✓	✓	✓ 1				
(2)	✓	✓ 6.	✓	✓	✓ 2				
(3)	✓	✓ 4.			✓ 2				
(4)	✓	✓ 1.	✓	✓	✓ 5.				
(5)			✓						
(6)		✓ 7.	✓						
(7)		✓ 5.	✓	✓	✓ 4.				
(8)									
(9)		✓ 2.	✓						
(10)	✓ RETURN		✓ coral	✓ GARDEN CK					
(11)	✓ GOOD FOR CHILDREN								
DATE RECEIVED:	27.1.83	11.3.83	13.5.83	17.5.83	3.8.83				

CODE: -

4

TOTAL

[illegible]

NORTH WEST CPE VISITOR SURVEY

CODE:-

4

TOTAL

	17	18	19	20	21	22	23	24	25
8. (1)	✓	✓							
(2)									
9. (1)	✓								
(2)									
(3)									
(4)									
(5)									
(6)									
(7)									
(8)		✓							
(9)									
(10)									
TOUR OPERATOR									
11. (1)	✓ 2.								
(2)	✓ 3.								
(3)	✓ 4.								
(4)	✓ 1.	✓							
(5)									
(6)									
(7)									
(8)									
(9)	✓ 5.								
(10)									
(11)									
DATE RECEIVED:	20-10-82	26-10-82							

NORTH WEST CAPE VISITOR SURVEY

CODE: -

S

TOTAL

	22.8.82	4.9.82	22.9.82	22.9.82	11.9.82	11.9.82	21.9.82	6-10-82	
1.									
2.	1	8	3	4	2	3	3	2	13
3. (1)	WARR			2		WARR		WARR	2
(2)									
(3)			1	1			2		1
(4)					1		1		2
(5)									
(6)			1						1
(7)									
(8)			1	1					2
(9)					1				1
(10)									
4.	NSW 2766	QLD 4305 (154000)	6155	6162	NSW 2232	6450	6430(1) 6415(1) 6107(1)	6107	
5. (1)	✓	✓		✓	✓	✓		✓	5
(2)			✓				✓		2
(3)									
(4)									
(5)									
6. (1)		✓							1
(2)									
(3)			✓	✓					2
(4)							✓		1
(5)			✓	✓	✓	✓	✓	✓	5
(6)	✓		✓	✓	✓	✓	✓		6
(7)									
(8)									
(9)					✓	✓			2
7. (1)			20	14	14	14	14	3	21
(2)			19	13	14	14	14	3	
(3)	24	24							

TOTAL

DATE
RECEIVED:

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:-

5

TOTAL

	9	10	11	12	13	14	15	16	TOTAL
8. (1)		✓	✓	✓	✓	✓	✓		.
(2)	✓				✓	✓		✓	✓
9. (1)				✓	✓	✓		✓	.
(2)	✓	✓	✓				✓		.
(3)									
(4)									
(5)									
(6)									
(7)									
(8)									
(9)									
(10)									
TOUR OPERATOR									
11. (1)	✓ 1.	✓	✓ 1.		✓ 1.	✓	✓ 4.	✓ 3.	✓
(2)	✓ 2.	✓	✓ 2.	✓	✓ 2.	✓	✓ 1.		✓
(3)		✓	✓ 4.			✓	✓ 2.		
(4)	✓ 3.		✓ 3.	✓ 5.	✓ 3.	✓		✓ 1.	✓
(5)				✓ 1.					
(6)				✓ 2.	✓ 4.	✓	✓ 3.	✓ 2.	✓
(7)		✓	✓ 1.	✓ 3.		✓	✓ 5.		✓
(8)						✓			
(9)						✓			
(10)				✓ 4.					
(11)									
DATE RECEIVED:	19.10.82	19.10.82	19.10.82	19.10.82	26.10.82	27.10.82	2.11.82	8.11.82	

CODE: - 5

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE: - 5

TOTAL

	17	18	19	20	21	22	23	24	TOTAL
8. (1)			✓	✓	✓	✓	✓	✓	6
(2)	✓	✓							2
9. (1)			✓		✓	✓	✓	✓	6
(2)	✓	✓		✓					4
(3)			✓						1
(4)									
(5)									
(6)									
(7)									
(8)					✓				1
(9)									
(10)									
TOUR OPERATOR									
11. (1)	✓	✓ 1.			✓	✓ 3.	✓ 1.	✓	6
(2)	✓	✓ 2.					✓ 6.	✓	7
(3)		✓ 4.				✓ 1.	✓ 7.	✓	8
(4)	✓	✓ 3.			✓	✓ 2.	✓ 5.	✓	9
(5)							✓ 2.		2
(6)						✓ 4.	✓ 3.		2
(7)					✓	✓ 5.	✓ 4.	✓	6
(8)						✓ 6.	✓ 8.		2
(9)							✓ 9.	✓	2
(10)		✓ Comp 5.				✓ Comp			2
(11)									
DATE RECEIVED:	9.11.82	9.11.82	9.11.82	9.11.82	12.11.82	15.11.82	22.11.82	24.11.82	

CODE:- 20

TOTAL

[illegible]

CODE:-

CODE:- 25

TOTAL

	19.11.82	24.12.82	26.12.82	26.12.82	27.12.82	18.12.82	9-1-83	9-1-83	
1.									
2.	10	2	5	10	6	5	3	3	6
3. (1)					1		4	1	2
(2)	2	2	WELLS	WELLS			1		2
(3)			1	AGG	1		1	1	2
(4)			3	WELLS		1			1
(5)									
(6)					1	1		1	2
(7)	5					1			6
(8)	3				1	1			2
(9)					1	1			2
(10)					1				1
4.	6707	6280	6721	6721	6754 (S) England (1)	6009	6716 (2) MELB 3000	6716 (2) 3000 (1)	
5. (1)		✓	✓		✓				2
(2)				✓		✓	✓	✓	2
(3)									
(4)									
(5)	✓ BJS					1			1
6. (1)									
(2)									
(3)	✓	✓	✓	✓					1
(4)		✓	✓	✓		✓ cat			2
(5)				✓					
(6)	✓	✓	✓		✓				2
(7)							✓	✓	2
(8)									
(9)	✓ Div. by Overseas						✓ Overseas	✓	2
7. (1)	2	2	7	7	6	21	4	4	2
(2)	2	1		7	7		4	4	
(3)							4	4	

NORTH WEST CAPE VISITOR SURVEY

CODE:- 5

TOTAL

	30	31	32	33	34	35	36	TOTAL
8. (1)	✓ Thail	✓	✓	✓	✓	✓	✓	
(2)	✓ 3 new							
9. (1)	✓	✓	✓	✓	✓		✓	
(2)								
(3)								
(4)								
(5)								
(6)								
(7)								
(8)								
(9)								
(10)						✓ TOURING		
TOUR OPERATOR								
11. (1)	✓ 5	✓ 1	✓ 5	✓		✓ 4		
(2)	✓ 3	✓ 2	✓ 6	✓		✓ 2	✓	
(3)		✓ 6			✓	✓ 3	✓	
(4)	✓ 2	✓ 7	✓ 1	✓			✓	
(5)	✓ 4	✓ 5	✓ 3	✓			✓	
(6)		✓ 3	✓ 2	✓	✓	✓ 1		
(7)		✓ 4						
(8)	✓ 1	✓ 9	✓ 4					
(9)	✓ 6	✓ 8			✓			
(10)								
(11)								
DATE RECEIVED:	30-11-82	30-12-82	6-1-83	6-1-83	11-1-83	11-1-83	17-1-83	17-1-83

CODE:- 5

TOTAL

[illegible]

8. (1)	✓	/				✓	2
(2)			✓	/	✓		2
9. (1)	✓		✓	/	✓	✓	5
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)	✓	✓					5
(9)							
(10)							
TOUR OPERATOR							
11. (1)	/ 5	/ 3	✓ 1			✓ 1	2
(2)	/ 4		/ 2	✓	✓	✓ 4	5
(3)			/ 3	✓		✓ 5	7
(4)	✓ 1		/ 4	✓		✓ 6	8
(5)	✓ 2	✓ 1					11
(6)	/ 3	✓ 2			/	✓ 3	12
(7)		/ 4				✓ 2	13
(8)							
(9)							
(10)							
(11)							
DATE RECEIVED:	17.1.83	25.1.83	25.1.83	7.2.83	14.2.83	31.5.83	

CDDL:-

Index

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:-

5

8. (1)		✓	✓	✓	✓	✓ 1	
(2)	✓		✓	✓	✓	✓ 2	
9. (1)	✓		✓	✓	✓	✓	
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)		✓					
(9)							
(10)							
TOUR OPERATOR							
11. (1)	✓ 1.	✓ 1.	✓	✓ 4	✓	✓	
(2)	✓ 4.	✓ 4.	✓ 4	✓ 1.	✓	✓	
(3)	✓ 3.	✓ 7.		✓ 5.			
(4)		✓ 2.	✓ 2.	✓ 3.	✓		
(5)		✓ 9.					
(6)	✓ 2.	✓ 6.					
(7)		✓ 5.		✓ 6.			
(8)		✓ 8.	✓ 1.	✓ 2.	✓	✓	
(9)		✓ 3.	✓ 3.	✓ 7.	✓	✓	
(10)		✓ 1.A Pence					
(11)		✓ 1.B NOT V Radio etc					
DATE RECEIVED:	31.5.83	31.5.83	4.6.83	1.6.83	1.6.83	1.6.83	

TOTAL

(3)

8. (1)	/	✓		/			✓		
(2)			/		/	/		✓	
9. (1)	✓	✓					✓		
(2)					✓	✓			
(3)									
(4)			/						
(5)									
(6)									
(7)									
(8)				✓				✓	
(9)		✓							
(10)								North West History Museum	
TOUR OPERATOR									
11. (1)	/ 6.	/ 1.	✓	✓	✓	✓		✓ 1.	
(2)	/ 1.	/ 3.		✓	✓	/		✓ 5.	
(3)	/ 5.	/ 4.				✓		✓ 7.	
(4)	/ 2.	/ 2.	/	/	✓	/	✓ 1.	✓ 4.	
(5)								✓ 8.	
(6)							✓ 2.	✓ 2.	
(7)								✓ 6.	
(8)	✓ 3.							✓ 9.	
(9)	✓ 4.		✓	✓		✓	✓ 3.	✓ 3.	
(10)						✓			
(11)									
DATE RECEIVED:	1.6.83	1.6.83	1.6.83	1.6.83	1.6.83	8.6.83	8.6.83	8.6.83	

TOTAL

[illegible]

TOTAL

CODE: - S

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:-

5

TOTAL

	73	74	75	76	77	78	79	80	TOTAL
8. (1)						✓		✓	2
(2)	✓	✓	✓	✓	✓		✓		6
9. (1)		✓	✓	✓	✓	✓	✓		6
(2)									
(3)									
(4)									
(5)									
(6)									
(7)									
(8)	✓							✓	2
(9)									
(10)									
TOUR OPERATOR									
11. (1)	✓	✓	✓ 3	✓ 7	✓ 6	✓ 3	✓		7
(2)	✓	✓ 1	✓ 1	✓ 3	✓ 4	✓ 4	✓ 4	✓ 2	2
(3)		✓ 2	✓ 4	✓ 6	✓ 5		✓ 3	✓ 1	6
(4)	✓	✓	✓ 5	✓ 4	✓ 1		✓	✓ 4	7
(5)									
(6)									
(7)	✓	✓		✓ 5	✓ 7	✓ 5	✓	✓ 5	7
(8)		✓ 3	✓ 2	✓ 2	✓ 3	✓ 2	✓ 1		1
(9)		✓ 4	✓ 6	✓ 1	✓ 2	✓ 1	✓	✓ 3	7
(10)		✓ scenic walks				✓ 6	✓ scenic walks		2
(11)						✓ 7			1
DATE RECEIVED:	30.6.83	12.7.83	12.7.83	12.7.83	12.7.83	12.7.83	12.7.83	19.7.83	

NORTH WEST CAPE VISITOR SURVEY

CODE:- S

TOTAL

8. (1)		✓	✓			✓	✓		
(2)	✓			✓	✓			✓	
9. (1)		✓	✓	✓	✓	✓	✓		
(2)	✓							✓	
(3)									
(4)									
(5)									
(6)									
(7)									
(8)		✓	✓	✓					
(9)									
(10)			✓ signpost						
TOUR OPERATOR									
11. (1)		✓ 1	✓	✓ 1		✓ 2	✓	✓	
(2)		✓ 5	✓	✓ 3			✓		
(3)		✓ 3		✓ 2			✓	✓	
(4)		✓ 4	✓	✓ 4		✓ 1	✓		
(5)									
(6)							✓		
(7)		✓ 6		✓ 5			✓		
(8)									
(9)		✓ 2				✓ 3			
(10)									
(11)									
DATE RECEIVED:	19.7.83	26.7.83	26.7.83	26.7.83	1.8.83	1.8.83	2.8.83	2.8.83	

TOTAL

[illegible]

TOTAL

DATE
RECEIVED:

NORTH WEST CAPE VISITOR SURVEY

CODE: -

S

TOTAL

[illegible]

CODE: - S

TOTAL

[illegible]

CODE:-

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:-

77

TOTAL

	15.9.82	20.9.82	1967	14.9.82	17.9.82	13.9.82	26.9.82	PERMIT IN EXAMINATION	
1.									
2.	2	1	10	4	4	2	2	3	
3. (1)									
(2)									
(3)				2					2
(4)	1						1		2
(5)					1	1			2
(6)									
(7)									
(8)				2			1		3
(9)	1	1			1	1			4
(10)					2				2
4.	6062	VICT 3192	GROUP TOUR	6108 (2) 6220 (2)	6230 (2) 6333 (1) 6054 (1)	VICT 3125	NSW 2519	6707	
5. (1)				✓	✓			✓	3
(2)			✓			✓			2
(3)	✓						✓		2
(4)									
(5)		A.W.A							1
6. (1)					✓		✓		2
(2)						✓			1
(3)	✓		✓					✓	2
(4)			✓						1
(5)			✓						1
(6)			✓	✓		✓		✓	4
(7)									
(8)			✓						1
(9)						✓			1
7. (1)	7	3 1/2		9	13	22	3	2	50
(2)	7	3		9	14	23	2	2	
(3)			8						

TOTAL

DATE
RECEIVED:

CODE:- 16

TOTAL

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CODE:- 8

TOTAL

1.	21.9.82	4.10.82	5.7.82	1.10.82	12.4.83				
2.	4	2	2	4	2				
3. (1)				1					
(2)			WRECK						
(3)	1	1	PRO	1	1				
(4)			PROOF						
(5)									
(6)	2			1					
(7)					1				
(8)	1	1		1					
(9)									
(10)									
4.	6024	VICT 3350	6312	6111	6151				
5. (1)	✓		✓		✓				
(2)				✓					
(3)		✓							
(4)									
(5)									
6. (1)		✓			✓				
(2)			✓						
(3)	✓								
(4)	✓		✓	✓					
(5)	✓								
(6)	✓			✓					
(7)									
(8)									
(9)									
7. (1)	12	1		14	7				
(2)	12	2			8				
(3)			6 hrs						

NORTH WEST CAPE VISITOR SURVEY

CODE:- 8

TOTAL

	1	2	3	4	5	6	7	8	TOTAL
8. (1)	✓		✓	✓	✓				
(2)		✓							
9. (1)	✓		✓		✓				
(2)					✓				
(3)									
(4)									
(5)									
(6)									
(7)									
(8)		✓							
(9)									
(10)				✓ Travelling					
TULR OPERATOR									
11. (1)	✓ 3.	✓ 1.			✓ 2				
(2)		✓ 2.			✓ 1.				
(3)		✓ 3.							
(4)	✓ 1.								
(5)									
(6)									
(7)		✓ 4.							
(8)									
(9)	✓ 4.								
(10)	✓ 2.								
(11)									
DATE RECEIVED:	7.10.82	7.10.82	4.11.82	4.11.82	19.4.83				

CODE:-

TOTAL

DATE
RECEIVED:

NORTH WEST CAPE VISITOR SURVEY

CODE:-

9

TOTAL

	27-10-82	21-10-82	23-11-82	22-1-83	16-3-83	17-3-83	12-5-83	20-5-83	
1.									
2.	2	2	2	4	2	4	2	4	23
3. (1)				1		1		2	6
(2)									
(3)	1	1	1	1		1	1	1	7
(4)					1				1
(5)									
(6)				1		1			2
(7)		1							1
(8)			1	1		1	1	1	5
(9)	1				1				2
(10)									
4.	NSW 2200 2209	6012(1) 6105(1)	max 3175	6110	Vic 3732	S.A 5211	Aust.	NSW 2174	
5. (1)		✓	✓	✓					3
(2)	✓				✓	✓	✓	✓	4
(3)									
(4)									
(5)									
6. (1)				✓	✓				1
(2)		✓	✓			✓	✓		4
(3)	✓		✓			✓	✓		4
(4)							✓	✓	2
(5)									
(6)	✓		✓		✓		✓		4
(7)						✓			1
(8)						✓			1
(9)						1	✓ Bikes	✓ camp trailer	2
7. (1)	3	7	4			7	10	7	31
(2)	2	8	3			6	9	8	
(3)				5 hrs	12 hrs				

NORTH WEST CAPE VISITOR SURVEY

CODE:-

9

TOTAL

	9	10	11	12	13	14	15	16	TOTAL
8. (1)	✓				✓				7
(2)		✓	✓	✓		✓	✓	✓	6
9. (1)					✓				
(2)	✓					✓			
(3)				✓	✓				
(4)									
(5)			✓						
(6)									
(7)									
(8)	✓	✓	✓		✓	✓	✓		6
(9)									
(10)		✓ SCHOOL	✓ BEING A NAT PARK						
TOUR OPERATOR									
11. (1)	✓ 3	✓	✓ 1		✓ 1	✓ 1	✓ 5	✓	
(2)	✓ 2	✓	✓ 2		✓ 4	✓ 3	✓ 3		
(3)		✓	✓ 3		✓ 2		✓ 4		
(4)	✓ 1		✓ 4		✓ 3	✓ 2	✓ 1	✓	
(5)		✓							
(6)			✓ 5		✓ 5	✓ 4	✓ 1	✓	
(7)		✓			✓ 6	✓ 5		✓	
(8)									
(9)							✓ 2		
(10)	✓ camping								
(11)									
DATE RECEIVED:	5.11.82	3.11.82	17.1.83	14.2.83	22.3.83	6.4.83	25.5.83	27.5.83	

8. (1)	✓	✓		✓					5
(2)			✓		✓	✓	✓	✓	5
9. (1)				✓	✓		✓	✓	5
(2)									
(3)							✓		1
(4)									
(5)									
(6)									
(7)									
(8)	✓		✓			✓	✓		4
(9)							✓		1
(10)		✓	✓						2
TOUR OPERATOR									
11. (1)	✓			✓ 2	✓	✓		✓	5
(2)			✓	✓ 5	✓				7
(3)		✓	✓		✓	✓			4
(4)	✓	✓	✓	✓ 1	✓			✓	6
(5)						✓			1
(6)			✓			✓	✓ 1		2
(7)		✓	✓	✓ 3	✓		✓ 3	✓	6
(8)				✓ 4			✓ 2		6
(9)		✓	✓						2
(10)						✓ photography			1
(11)						✓ Underwater Preservation			1
DATE RECEIVED:	20.6.83	5.7.83	10.7.83	12.7.83	19.7.83	25.7.83	25.7.83	26.7.83	

TOTAL

DATE
RECEIVED:

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CODE:-

TOTAL

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NORTH WEST CAPE VISITOR SURVEY.

CODE: - 11 11 11 11 11 11 11 11 11 11

TOTAL

8. (1)			✓	✓	✓				✓
(2)	✓	✓	✓	✓	✓	✓	✓	✓	✓
9. (1)			✓	✓	✓				✓
(2)						✓	✓	✓	✓
(3)		✓							✓
(4)									✓
(5)								✓	✓
(6)									✓
(7)									✓
(8)	✓								✓
(9)									✓
(10)									✓
TOUR OPERATOR									
11. (1)	✓	✓ 1.		✓ 1.	✓ 1.	✓ 4.	✓ 1.	✓	✓
(2)				✓ 4.	✓ 3.	✓ 3.	✓ 3.	✓	✓
(3)		✓ 2.		✓ 2.	✓ 4.	✓ 5.			✓
(4)	✓	✓ 3.		✓ 5.	✓ 2.	✓ 1.	✓ 2.	✓	✓
(5)									✓
(6)									✓
(7)				✓ 3.	✓ 5.	✓ 6.			✓
(8)									✓
(9)				✓ 6.	✓ 6.	✓ 2.	✓ 4.	✓	✓
(10)		✓ 4.							✓
(11)									✓
DATE RECEIVED:	28.9.82	30.9.82	30.9.82	30.9.82	30.9.82	7.10.82	7.10.82	7.10.82	✓

CODE:-

CODE:-

TOTAL

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CODE:- 11

CODE:- 11

TOTAL

DATE
RECEIVED:

CODE: -

CODE: -

TOTAL

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TOTAL

DATE
RECEIVED:

NORTH WEST CPE VISITOR SURVEY

CODE:-

1000

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY:

CODE:-3811 39

TOTAL

	3-10-82	1-10-82	21-9-82	9-10-82	14-10-82	8-10-82	14-10-82	28-3-87	
1.									8
2.	3	1	3	2	2	5	2	2	
3. (1)						1			1
(2)									
(3)		1	1		1	1	1		5
(4)	1					1		1	3
(5)				1					1
(6)	1					1			2
(7)			1						1
(8)			1		1	1	1		4
(9)	1							1	2
(10)				1					1
4.	6707	6754	6018(1) Belgium(2)	QLD 4740	VICT 3745	6022(4) 6158(1)	6169	6707	WA 14 QLD 2 Belgium 2 VICT 2
5. (1)	✓		✓			✓	✓		4
(2)		✓		✓				✓	3
(3)					✓				1
(4)									
(5)									
6. (1)				✓		✓	✓		3
(2)									
(3)		✓	✓					✓	3
(4)								✓	1
(5)									
(6)			✓		✓				2
(7)									
(8)								✓	1
(9)					✓ specially		✓ camera		2
7. (1)	2	4	2		3		4		15
(2)	1		1		3		4		
(3)				9 hrs		4 hrs			

CODE:-

8. (1)

(2)

9. (1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

(10)

TOUR
OPERATOR

11. (1)

(2)

(3)

(4)

(5)

(6)

(7)

(3)

(9)

(10)

(11)

DATE
RECEIVED:

15.10.82

16.10.82

19.10.82

20-10-8:

20-10-85

21-10-8

- 22-10-87

28.10.85

4

CODE:-

TOTAL

70

2.

3. (7)

(2)

(3)

(4)

(5)

(5)

(7)

(3)

(3)

(17)

4.

5. (3)

(2)

(3)

(4)

(5)

6. (1)

(2)

(3)

(4)

(5)

(5)

(7)

(3)

(9)

7. (1)

(2)

(3)

NORTH WEST CAPE VISITOR SURVEY

CODE:--

11

TOTAL

	41	42	43	44	45	46	47	48	TOTAL
B. (1)			✓			✓			2
(2)	✓	✓		✓	✓		✓	✓	6
B. (1)	✓		✓	✓					4
(2)		✓					✓	✓	2
(3)									
(4)									
(5)									
(6)									
(7)									
(8)		✓			✓	✓		✓	3
(9)	✓								1
(10)									
TOUR OPERATOR									
A. (1)	✓	✓	✓ 1.	✓ 2.	✓ 3.		✓	✓ 5.	7
(2)	✓	✓	✓ 2.	✓ 3.	✓ 4.	✓	✓	✓ 4.	9
(3)		✓		✓ 4.	✓ 6.	✓			3
(4)	✓		✓ 5.	✓ 1.					3
(5)		✓			✓ 1.			✓ 2.	3
(6)		✓	✓ 3.		✓ 2.			✓ 1.	3
(7)					✓ 5.				1
(8)									
(9)	✓		✓ 4.		✓ 7.				2
(10)									
(11)									
DATE RECEIVED:	2.11.82	2.11.82	2.11.82	2.11.82	3.11.82	8.11.82	9.11.82	9.11.82	

CODE: -

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE: -

TOTAL

	29	30	31	32	33	34	35	36	
8. (1)								✓	
(2)	✓		✓	✓	✓	✓	✓		
9. (1)	✓					✓		✓	
(2)					✓				
(3)		✓	✓						
(4)									
(5)									
(6)									
(7)									
(8)				✓			✓		2
(9)									
(10)							✓ sign on road.		
TOUR OPERATOR									
11. (1)	✓	✓		✓		✓ 2.		✓	2
(2)	✓	✓		✓	✓ 2.			✓	2
(3)	✓	✓		✓			✓		1
(4)				✓	✓ 3.			✓	3
(5)					✓ 1.		✓	✓	2
(6)						✓ 1.	✓		2
(7)									
(8)									
(9)									
(10)	✓ sitting & looking								1
(11)									
DATE RECEIVED:	10.11.82	12.11.82	12.11.82	12.11.82	12.11.82	16.11.82	16.11.82	23.11.82	

NORTH WEST CAPE VISITOR SURVEY

CODE: - 62

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:- 11

TOTAL

	57	58	59	60	61	62	63	64	
8. (1)	✓	✓	✓	✓	✓	✓	✓	✓	
(2)						✓	✓		
9. (1)	✓	✓	✓		✓	✓		✓	
(2)	✓	✓	✓				✓		
(3)							✓		
(4)									
(5)	✓	✓	✓	✓					
(6)									
(7)									
(8)	✓	✓	✓						
(9)									
(10)									
TOUR OPERATOR									
11. (1)	✓ 1.	✓	✓		✓	✓		✓	
(2)			✓		✓	✓	✓ 3.	✓	
(3)	✓ 6.				✓			✓	
(4)	✓ 2.	✓	✓	✓	✓	✓	✓ 1.	✓	
(5)	✓ 4.	✓	✓	✓				✓	
(6)	✓ 5.		✓	✓				✓	
(7)	✓ 7.			✓					
(8)	✓ 3.	✓					✓ 4.		
(9)					✓			✓	
(10)							viewing reef ✓ 2.		
(11)									
DATE RECEIVED:	23.11.82	23.11.82	23.11.82	23.11.82	23.11.82	23.11.82	26.11.82	3.12.82	

CODE: - 11

11

7. (1)
(2)
(3)

NORTH WEST CAPE VISITOR SURVEY

CODE:-

11

TOTAL

	65	66	67	68	69	70	71	72	TOTAL
8. (1)	✓		✓	✓		✓		✓	
(2)		✓			✓		✓		
9. (1)	✓	✓	✓				✓		
(2)									
(3)									
(4)									
(5)									
(6)									
(7)									
(8)				✓		✓		✓	
(9)									
(10)					✓ BOOK NATIONAL PARKS OF AUST.				1
TOUR OPERATOR									
11. (1)		✓		✓ 3	✓ 1.	✓ 1.	✓ 5.	✓ 1.	
(2)	✓	✓	✓ 2.	✓ 2.			✓ 4.	✓ 2.	
(3)		✓		✓ 1					
(4)	✓		✓ 3.	✓ 4.	✓ 3.	✓ 2.	✓ 3.		
(5)	✓						✓ 1.		
(6)	✓		✓ 1.	✓ 5.			✓ 2.	✓ 4.	5
(7)		✓							
(8)									
(9)	✓								1
(10)	✓ company				✓ 2. wildlife + Mammals	✓ peace		✓ Birdwatching 3.	4
(11)						✓ wildlife			1
DATE RECEIVED:	3.12.82	6.12.82	9.12.82	11.1.83	3.2.83	7.2.83	7.2.83	2.3.83	

NORTH WEST CAPE VISITOR SURVEY

CODE: -7811

TOTAL

1.	23.2.83	4.3.83	4.3.83	19.3.83	19.3.83	3.4.83	3.4.83	2.4.83	8
2.	4	5	2	7	7	4	4	2	25
3. (1)		2				2			4
(2)	1						1		2
(3)			2		1			1	4
(4)	1	1				1	1		4
(5)					1				1
(6)		1		3	3				7
(7)	1						1		2
(8)		1		1	1	1		1	5
(9)	1			3			1		5
(10)					1				1
4.	VIC 3147	NEW GUINEA	6701	6754	VIC (2) 3219 6754 (5)	6707	6701	N.S.W 2088	WA 22 VIC 6 NSW 2 N.G.W. 5
5. (1)		✓	✓	✓	✓		✓		5
(2)	✓				..	✓		✓	3
(3)									
(4)									
(5)									
6. (1)							✓		1
(2)	✓					✓			2
(3)			✓	✓	✓			✓	6
(4)									
(5)				✓	✓				2
(6)				✓	✓			✓	3
(7)									
(8)				✓	✓				2
(9)				✓					1
7. (1)	5	4	4	14	13		2		61
(2)		3	4	13	12				
(3)						24 hrs			

NORTH WEST CAPE VISITOR SURVEY

CODE:-

TOTAL

	2.4.83	31.3.83	31.3.83	2.4.83	4.4.83	15.4.83	17.4.83	17.4.83	
1.									
2.	2	4	2	2	4	2	2	3	21
3. (1)		2		500	1				3
(2)				100				1	1
(3)	1	1	1	500	1				4
(4)						1		1	2
(5)					1000				
(6)					1000				
(7)									
(8)	1	1	1		1		2		6
(9)						1		1	2
(10)									1
4.	6102	6714	6714	TASMANIA 7000	WEST GERMANY	GLO 4220	6053	6707	WA 13 TDC 2 GLO 2 W. GLO 4
5. (1)	✓		✓	✓					3
(2)		✓			✓		✓	✓	6
(3)						✓			1
(4)									
(5)									
6. (1)									
(2)									
(3)	✓	✓	✓	✓					1
(4)	✓					✓			2
(5)						✓			1
(6)		✓					✓	✓	3
(7)			✓						1
(8)	✓		✓			✓			2
(9)			✓ Windsor						1
7. (1)	3	5	4	3	7				22
(2)	2	4	3	4					
(3)						8 hrs	7 hrs	7 hrs	

3. (1)	✓								
(2)		✓	✓	✓	✓	✓	✓		
9. (1)	✓				✓		✓		
(2)	✓		✓						
(3)					✓			✓	
(4)									
(5)									
(6)									
(7)									
(8)		✓		✓		✓			
(9)									
(10)									
TOUR OPERATOR									
11. (1)	✓ 1.	✓ 1.	✓ 4.	✓ 2.	✓	✓ 3.	✓ 3.	✓ 1.	
(2)	✓ 5.	✓ 2.	✓ 2.	✓ 1.	✓				
(3)	✓ 6.	✓ 3.		✓ 3.	✓		✓ 2.	✓ 2.	
(4)	✓ 3.				✓	✓ 1.			
(5)	✓ 4.				✓				
(6)	✓ 2.		✓ 3.	✓ 4.	✓				
(7)	✓ 7.	✓ 4.		✓ 5.	✓		✓ 1.	✓ 3.	
(8)									
(9)						✓ 2.			
(10)			✓ Scaling C/O 1. reef						
(11)			✓ Photography 5.						
DATE RECEIVED:	8.4.83	8.4.83	12.4.83	12.4.83	14.4.83	19.4.83	27.4.83	27.4.83	

CODE:-

 McGraw-Hill

7.

TOTAL

DATE
RECEIVED:

NORTH WEST CAPE VISITOR SURVEY

CODE:- 11

TOTAL

	1.4.83	2.4.83	5.5.83	2.4.83	13.5.83	9.5.83	12.4.83	14.5.83	
1.									4
2.	2	2	2	3	2	2	3	3	19
3. (1)							1	WRONG	1
(2)								AGE	
(3)	1	1		3	1	1	1	GROUPS	2
(4)			1						1
(5)									
(6)									
(7)									
(8)	1	1			1	1	1		5
(9)			1						1
(10)									1
4.	QLD 4225	6102	NSW 2076	Mt Waverley 3149	VIC 3133	6443	S.A 5039		WA 4 SA 3 VIC 5 QLD 5 NSW 5
5. (1)	✓	✓		✓			✓	✓	3
(2)			✓		✓	✓	✓	✓	5
(3)									
(4)									
(5)									
6. (1)									
(2)					✓	✓	✓		3
(3)	✓	✓		✓				✓	4
(4)						✓		✓	2
(5)								✓	1
(6)		✓		✓	✓	✓	✓		5
(7)									
(8)		✓							
(9)					✓ Diving				1
7. (1)	2	3		3	4	4	12	7	33
(2)		3			3	4	12	7	
(3)			5						

TOTAL

DATE
RECEIVED:

CODE:-

11

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:-

TOTAL

8. (1)		✓	✓	✓	✓		✓	✓	8
(2)	✓				✓	✓			2
9. (1)		✓		✓	✓		✓	✓	5
(2)	✓					✓			2
(3)	✓								1
(4)									
(5)									
(6)									
(7)									
(8)	✓		✓			✓			
(9)									
(10)									
TOUR OPERATOR									
11. (1)	✓ 1.	✓ 4	✓ 1.	✓	✓ 1.		✓ 3.		8
(2)	✓ 2.	✓ 3.	✓ 5.	✓		✓		✓	5
(3)		✓ 5.	✓ 7.	✓	✓ 2	✓			5
(4)	✓ 3.	✓ 2.	✓ 4.	✓	✓ 4	✓	✓ 2.	✓	10
(5)			✓ 3.					✓	3
(6)		✓ 6.	✓ 2.				✓ 1.		
(7)	✓ 6.	✓ 7.	✓ 6.		✓ 3	✓			5
(8)								✓	
(9)	✓ 4.	✓ 8.	✓ 8		✓ 5.			✓	
(10)	✓ 5 Walking	✓ 1. Relaxing.				✓ good for children	✓ 4 seclusion		
(11)									
DATE RECEIVED:	30.5.83	30.5.83	1.6.83	3.6.83	3.6.83	8.6.83	8.6.83	8.6.83	

NORTH WEST CAPE VISITOR SURVEY

CODE:-

TOTAL

	15.5.83	11.5.83	21.5.83	16.5.83	2.6.83	29.5.83	2.5.83	16.5.83	
1.									
2.	5	2	8	2	2	2	2	4	21
3. (1)	1		WRONG					1	2
(2)	1		AGE					1	2
(3)	1		GROUP			1		1	2
(4)				1			1		2
(5)		1			1				2
(6)	1								1
(7)									
(8)	1					1		1	2
(9)				1	1		1		2
(10)		1							1
4.	6010	6210	6071	6210	6155	SWITZERLAND	6530	6153	WA 25 Switz. 2
5. (1)	✓	✓	✓						3
(2)				✓		✓	✓	✓	1
(3)					✓				1
(4)									
(5)									
6. (1)						✓			1
(2)		✓		✓			✓	✓	4
(3)	✓							✓	2
(4)		✓	✓					✓	3
(5)	✓								1
(6)	✓	✓	✓		✓			✓	5
(7)									
(8)	✓	✓	✓				✓	✓	3
(9)			✓ camper trailer						1
7. (1)	10	90	8	8	3	2	40	10	1
(2)	10		8	8	3	2	40	10	
(3)									

CODE:-

TOTAL:

DATE
RECEIVED:

NORTH WEST CAPE VISITOR SURVEY

ID CODE: - 0211

TOTAL

	14.5.83	30.5.83	28.5.83	10.6.83	4.6.83	11.6.83	27.4.83		
1.									
2.	4	2	2	2	2	1	2	4	17
3. (1)	1							1	2
(2)									
(3)		1				1		1	3
(4)	1		1	1	1				4
(5)							1		1
(6)	1							1	2
(7)									
(8)		1						1	1
(9)	1		1	1	1				4
(10)							1		1
4.	6107	6707	6210	6105	6530	VIC 3085	NSW 2212	6019	WP 13 NSW 2 VIC 1
5. (1)				/		✓			2
(2)	/	/	/		/		✓	✓	6
(3)									
(4)									
(5)									
6. (1)		/							1
(2)	✓		✓	✓	✓		✓		5
(3)								✓	1
(4)			✓	✓	✓		✓		4
(5)									
(6)	✓			✓	✓		✓	✓	5
(7)									
(8)			✓	✓	✓				3
(9)				/toilet shower		/Diving			2
7. (1)	10		42	39	10	3		7	101
(2)	10				9	2		6	
(3)		3 hrs							

TOT..

DATE
RECEIVED:

CODE:-

CODE:-

www.elsevier.com/locate/jmb

[illegible]

8. (1)	✓	✓	✓	✓		✓	✓	✓	
(2)					✓				
9. (1)	✓	✓	✓	✓		✓	✓	✓	
(2)					✓				
(3)									
(4)									
(5)									
(6)									
(7)									
(8)									
(9)									
(10)									
TOUR OPERATOR									
11. (1)	✓ 2	✓ 2		✓	✓	✓			
(2)	✓ 4	✓ 5		✓		✓	✓ 4	✓	
(3)		✓ 3			✓	✓		✓	
(4)	✓ 3	✓ 1	✓ 1	✓	✓	✓	✓ 1	✓	
(5)						✓		✓	
(6)	✓ 1					✓	✓ 3	✓	
(7)	✓ 6	✓ 4	✓ 2		✓	✓		✓	
(8)	✓ 7					✓		✓	
(9)	✓ 5	✓ 6		✓		✓	✓ 2	✓	
(10)	✓ 8 scenic ranges	✓ 1A remoteness							
(11)		✓ 2A climate							
DATE RECEIVED:	22.6.83	23.6.83	28.6.83	30.6.83	30.6.83	4.7.83	4.7.83	4.7.83	

TOTAL

✓ Skin
diving

CODE:-

CODE:-

TOTAL

[illegible]

CODE:-

• $\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |\nabla u|^2 dx = - \int_{\mathbb{R}^n} u \Delta u dx$

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE: -

TOT.

[illegible]

CODE: -

CODE: -

TOTAL

[illegible]

CODE:-

TOTD

[illegible]

CODE: -

TOTAL

[illegible]

CODE:-

TOTAL

[illegible]

CODE: -

7374

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL
8.	(1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	5
	(2)			✓	✓	✓	✓										
9.	(1)	✓	✓		✓									✓			
	(2)																
	(3)																
	(4)																
	(5)			✓									✓				5
	(6)								✓								
	(7)																
	(8)			✓		✓											
	(9)																
	(10)																
TOUR OPERATOR																	
10.	(1)	✓ 3		✓	✓	✓	✓	✓	✓	✓ 2							
	(2)	✓ 4		✓	✓	✓	✓	✓			✓						
	(3)	✓ 5		✓		✓				✓ 3							
	(4)	✓ 2		✓	✓	✓					✓						
	(5)	✓ 1	✓		✓					✓ 5	✓						
	(6)	✓ 6	✓							✓ 4	✓						
	(7)	✓ 7		✓		✓					✓						
	(8)	✓ 9															
	(9)	✓ 8			✓						✓						
	(10)																
	(11)									✓ As a reserve							
DATE RECEIVED:		4.7.83	4.7.83	4.7.83	4.7.83	4.7.83	4.7.83	4.7.83	4.7.83	4.7.83	4.7.83						

CODE: - 1

TOTAL

CODE: - 1

CODE: - 11

107.

DATE
RECEIVED:

CODE: -

CODE: -

TOTAL

N. Zealand
(2)
6714 (1)

CODE: 11

774

[illegible]

CODE: - 222

1. *Phragmites* (Common Reed)

[illegible]

TOTAL

DATE
RECEIVED:

CODE: -

1. *General Principles*

✓
✓ Bike
Freeze

NORTH WEST CAPE VISITOR SURVEY

CODE: -

TOTAL

8.	(1)	✓	✓	✓	✓	✓	✓	✓	6.
	(2)					✓	✓		1.
9.	(1)		✓		✓		✓		3.
	(2)								
	(3)					✓			1.
	(4)								
	(5)								
	(6)								
	(7)								
	(8)		✓	✓					2.
	(9)								
	(10)	✓ 100%					✓ operation		2.
TOUR OPERATOR									
11.	(1)	✓		✓ 4	✓ 1.	✓ 1	✓	✓	6
	(2)			✓ 2		✓ 3	✓	✓	1.
	(3)	✓	✓	✓ 3	✓ 4	✓ 4	✓	✓	1.
	(4)	✓		✓ 1	✓ 2.	✓ 2.	✓	✓	1.
	(5)			✓ 5					1.
	(6)			✓ 6					1.
	(7)	✓	✓	✓ 7	✓ 3.	✓ 5.	✓		6
	(8)								1.
	(9)	✓		✓ 8.		✓ 6.			3
	(10)			✓ Peace					1
	(11)			✓ Good Company					1
DATE RECEIVED:		5.7.83	6.7.83	7.7.83	7.7.83	7.7.83	7.7.83	7.7.83	

CODE: - 1

TOTAL

	8	9	10	11	12	13	14	15	16
8. (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(2)	✓	✓	✓	✓	✓	✓	✓	✓	✓
9. (1)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(2)	✓	✓	✓	✓	✓	✓	✓	✓	✓
(3)									
(4)									
(5)									
(5)									
(7)									
(8)					✓				
(9)									
(10)									
TOUR OPERATOR									
11. (1)	✓	✓ 1	✓ 3		✓ 8	✓ 1	✓ 3.	✓ 1.	7
(2)	✓	✓ 3	✓ 2		✓ 2		✓ 2		5
(3)	✓	✓ 4	✓ 6		✓ 3	✓ 4	✓ 7.		3
(4)	✓	✓ 2.	✓ 1.	✓	✓ 7	✓ 3.	✓ 1.	✓ 4	4
(5)					✓ 5				1
(5)			✓ 4		✓ 1				2
(7)	✓			✓	✓ 4	✓ 2.	✓ 4	✓ 2.	✓
(8)							✓ 5.		
(9)		✓ 5.	✓ 5.		✓ 6.		✓ 6.		
(10)	✓ (relating)						✓ wildlife		
(11)							✓ preservation of reef		
DATE RECEIVED:	6-7-83	8-7-83	11-7-83	12-7-83	12-7-83	19-7-83	22-7-83	25-7-83	

CODE:-

TOTAL

✓ Aircraft
to Examine

CODE:-

Abstract

8. (1)			✓		✓		✓	✓	
(2)	✓	✓		✓		✓			
9. (1)		✓	✓		✓	✓		✓	
(2)									
(3)							✓		
(4)									
(5)									
(6)									
(7)									
(8)	✓			✓				✓	
(9)									
(10)									
TOUR OPERATOR									
11. (1)	✓ 1.	✓	✓ 4	✓ 2.	✓	✓	✓ 2	✓ 1	
(2)		✓	✓ 3		✓	✓	✓ 5		
(3)	✓ 2.	✓	✓ 6		✓	✓	✓ 4	✓ 3	
(4)		✓	✓ 2		✓	✓	✓ 1.	✓ 4.	
(5)			✓ 1						
(6)			✓ 1	✓ 1.	✓			✓ 2.	
(7)		✓	✓ 5.		✓	✓	✓ 3.		
(8)									
(9)					✓	✓	✓ 1.		
(10)	✓ 3. Bretwoodchase								
(11)									
DATE RECEIVED:	25.7.83	25.7.83	28.7.83	1.8.83	2.8.83	2.8.83	3.8.83	3.8.83	

NORTH WEST CAPE VISITOR SURVEY

CODE:-

Keywords:

TOTAL

[illegible]

CODE: -

CODE: -

TOTAL

[illegible]

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:-

13

TOTAL

[illegible]

NORTH WEST CAPE VISITOR SURVEY

CODE:-

TOTAL .

1.	Date reached	area?						
2.	No. of persons travelling							
3. (1)	Age category up to 12	(male)						
(2)	13-20	(male)						
(3)	21-40	(male)						
(4)	41-60	(male)						
(5)	over 60 yrs	(male)						
(6)	up to 12	(female)						
(7)	13-20	(female)						
(8)	21-40	(female)						
(9)	41-60	(female)						
(10)	over 60 yrs	(female)						
4.	Place of residence							
5. (1)	Conventional							
(2)	4 WD							
(3)	Camper van							
(4)	Motor Cycle							
(5)	Other							
6. (1)	None							
(2)	Caravan							
(3)	Tent							
(4)	Boat							
(5)	Trailer							
(6)	Fishing							
(7)	Trail Bike							
(8)	Generator							
(9)	Other.							
7. (1)	Days							
(2)	Nights							
(3)	In His							
8. (1)	YES							
(2)	NO							

9.	(1)	FREINDS /RELATIVES							
	(2)	OTHER TRAVELLERS							
	(3)	TOURIST BUREAU							
	(4)	TRAVEL AGENT							
	(5)	PARK SERVICE							
	(6)	SERVICE STATION							
	(7)	MOTEL/ HOTEL/CARAVAN PARK							
	(8)	MAPS /BROCHURES ETC.							
	(9)	RADIO/ PRESS/TV.							
	(10)	OTHER.							
11.	(1)	SCENIC VALUE							
	(2)	SWIMMING							
	(3)	BEACHCOMBING							
	(4)	FISHING							
	(5)	DIVING							
	(6)	SNORKELING							
	(7)	SHELL COLLECTING							
	(8)	GAME FISHING							
	(9)	BOATING							
	(10)	OTHER							
	(11)	OTHER							
DATE RECEIVED:									

MIKE WUNHYM

- ① CONCLUSIONS
- ② REFINED
- ③ 10/11/13 dis

5 MOST IMP ISSUES

- 3/1 - SUSTAIN FISH STOCKS
- 4/2 - HOW PARK TO BE POLICED EFFECTIVELY
- 5/3 - RESTRICTIONS ON PUBLIC
- 2/4 - OVER REGULATION
- 1/5 - EFFECT ON GEMFISHING

Bruce Teede

Zoning & Sanctuaries Group 2
Outside reef General Purpose Zone
Sanctuary @ before to Reef
mandu mandu Mangrove Bay
PT bloater to Billy PT

Group 1
Burrowoodgo YES

Coral Bay

Burdegi

Group 3

Inside reef

Fraser Island P bloater

Warrumbungle PT

Burdegi

Bruce Teede (5)

- ① Sustainable yield
- ② Handling large numbers of visitors
- ③ Education of staff & visitors
- ④ Research of locally exploited fish
- ⑤ External effects of fish pop. on

Bruce Teede

The park will become so popular, problems will arise handling & accommodating the large number of visitors during the tourist season.

There are no problems for the prop. like some provided the number of boats is limited to those existing at present.

Some control on take of fish, shells, etc. by tourists, gamblers will have to be introduced. (not nets etc.)

J. ASHTON.

- 1./ Fish catch Management
- 2./ Preserve Coral Growth
- 3./ Erosion due to vehicle movement
- 4./ Policing of Commercial fish boats?
- 5./ Caravan & Camp facilities
- 6./ Fire wood supplies at camp sites

Dr G. GORF TAYLOR.

1. Protection of fishing.
 - Pelagics - ? ↑ & limits -
 - approach to G. to be long lining in proximity of park.
 - Bag limits - size etc.
2. Burdegi - fishing is deteriorating probably due to siltation - Banning of Power Trawling in proximity -
3. Shell Collecting - Longhills "clubs" can still export shells.
4. Turquoise Bay - Camp 20
 - only small boat anchorage
 - should not be closed - Turtles do not need further protection

- ① Access for tourist Residence
- ② Charter boats need to operate in some restricted zones in close proximity to tourist.
- ③ Requirement of not disturbing no build up of tourist with Police State Regulations + Bad interpretation of Rules
- ④ To maintain & happy season with the public
- ⑤ To charge appropriately

R. G. G. G. G.
Emmanuel G. G. G.
No Box 6!

NEIL MCLEOD

- ② FORMING OF AREAS?
- ① DHPT RESTRICTIONS
- WILL IT HAVE ON THE PUBLIC.
- ③ HOW COULD A RANGER FROM CORAL BAY AND ONE FROM LINGARLOO POLICE THE AREA?

- PROBLEMS - How is it to be solved? (Fish or user?)
- PROBLEMS AFFECTED: TENSION/ASSISTANCE Ref
 - FISHING, BUSTLING RESTRICTIONS
 - MOORING + BOAT RAMP FACILITIES
 - 12 THOUSAND CREEK
 - LIMITATIONS (ANY ENTER)
 - DISPOSABLE
 - FISH STOCKS
 - LACK OF POLICE FDC
 - HOW TO HANDLE LARGE PEOPLE
 - OVER REGULATION

1. Pro-Amateur Fishing 5
2. Zone Management Control 4
3. Protection of Reef 3
4. Spearfishing 2
5. Policing of Area 1

5. Sanctuary Zone -
- "The Jewel of the Park" -
- Access is already limited.
- Problems of policing - only large boat anchorage on whole coast - official H+L anchorage.
- ~~on the whole~~
- Pt Charles area needs protection but main sanctuary should be in Emu Bay Nat Park.

6. No increase in recreational fishing access to area -
- Snapper trap etc.

7. Controls of Aquarium Fish collection.

- (3) Restrictions on Charter Boats

- (2) Effects on Game Fishermen

- (1) appropriate charge to users

- (4) External Effect on Fish Population

- (5) Over Regulation of Tannier (users)

Stefan Fort / Groull / Notes

Kevin Goss.

Bundage to Tantaliddy Zoning, adverse comment calm. at Passed 1984.

Provision for Marine Parks Marine Nature Reserve.

Split to 3 parts Cape Range (1)

Ningaloo Marine Park (2)

Bundage-Tantaliddy Joint Vest (3)

1. Maintaining fish resources. Concern: Problems re Park.

Zones & Sanctuary?

- (5) ① WHAT RESTRICTION WOULD THE NINGALOO MARINE PARK HAVE ON THE PUBLIC?

- (4) ② WOULD THERE BE ZONING IN THE PARK.

- (3) ③ HOW WOULD THE PARK BE POLICED?

- (2) ④ REGULATION OF SHELL COLLECTION.

- (1) ⑤ OVER REGULATION OF USERS.

DAVE HEAPHY

2. Be allowed to continue my commercial fishing operations in the Marine Park area

TRAPPING TROLLING HANDLINE all outside the reef

3. Be able to run charter viewing diving fishing inside and outside the reef

4. Be allowed access anywhere everywhere inside the reef for anchorage and shelter

5. Be strict control over the activities of amateur fishermen

LYALL McLEOD

Not being able to police this large area.

2. making sure that all peoples needs are met by the new plans.

3. being able to come to a compromise between the management and the general public.

ANDREW GRANT

30/7/86

Fishing.

(1) The ability of the reef to sustain current fishing levels.

(2) The ability of the reef to sustain future fishing levels.

(3) How much professional fishing should be allowed and where it should occur. This includes game fishing.

(4) Bag limits and fish types caught by amateur fisherman.

(5) where an amateur fisherman should be allowed to fish.

(6) The implementation of adequate measures to conserve the fish resources.

(7) Associated impacts (by fishermen) upon the reef. i.e. anchor damage.

... rubbish.

access.

camping.

(8) Spearfishing. (9) Squid Fishing.

Jane Leffray

Control of amateur

Netting - amateur & commercial.

Spearfishing.

Bag limits.

Freezers - out.

ALAN WARR

1. BUNDLES - WHY IN PARK - PROBLEMS - FUELING - BOAT LAUNCHING - PUBLIC USAGE - POLICING FACILITIES?

2. CONTROLS - DEPARTMENT INVOLVED POLICING - RESTRICTIONS - OVERFISHING

3. SHELL COLLECTING

4. ZONING - COMMERCIAL DEV. EQUITY OF USE - SANITARY ZONE

5. POLLUTION - CONTROL AND DISPOSAL OF OFFAL ETC.

6. FACILITIES - WHO WILL PROVIDE THEM? WHERE WILL THEY BE

KIM NARDI

PROTECTION OF THE REEF SYSTEM

PRO vs AM. Fishing

ZONING
STAFF

REGULATION ENFORCEMENT

BALANCED USE OF RESOURCES

+

CONSERVATION vs CONSUMPTION

ANCHORAGES

DAMAGE TO CORAL, POLLUTION IN THE FORM OF PLASTIC BAGS - BAIT STRAPS
OIL FILTERS
DIESEL SPILLAGE

CLEANING OF FISH IN PROXIMITY TO CAMPER.

TENDERS TO WORK THE MARINE PARK AREA FOR CHARTER WORK.

FISHING EFFORT.

PAUL GRIECHEN.

Fish stocks.

Professional Access

Amateur Bag Limit.

Spawning Season.

Size Limit

Schooling fish } Bag
Territorial fish } Limit

G. MCINTOSH

① POLICING

② EFFECT ON MY FISHING OPERATION!

1 Professional fishing to continue with security for existing operators

2 FISHING EFFORT

3 CONTROL MANAGEMENT OF FISH STOCKS

4 DEPARTMENT CONTROL

5 COMMERCIAL DEVELOPMENT

6 ZONING

7 ACCESS TO ANCHORAGES

1 ZONING

2 Control/management of fish stocks

3 access to boat anchorages

4 Professional fishing to continue

5 Bundegi

6 security for existing operators and controls

7 pollution control

8 commercial development

pro-amateur fishing	5
policing	4
zoning	2
netting	1
protection of reef	3

Larnaron - 65 boats - many come up north with snapper traps.
What is role of Exmouth in fisheries - nursery etc.

Sanctuaries

Most important

5 Policing of amount caught.
4 ~~Pro Fishing~~ Pro Amateur.
3 ~~Pro Fishing~~ ~~Pro Fishing~~ Coral Bay.
2 Safety of boat owners.
1 Shell coral collecting.

ATOL WEBB

1 BUNDEGI PROBLEMS & USAGE

2 DEPARTMENTAL CONTROL

3 SECURITY OF EXISTING FISHING OPERATORS

4 CONTROLS - MANAGEMENT

5 ACCESS TO ANCHORAGES

6 ZONING - COMM DEVELOPMENT

7 POLLUTION CONTROL

8

1 Restriction on Proff. + Charter fishing ⑤
2 Over regulation ③ of tourists
- Policing ④ of regulations
- Education ④ of staff, tourists and public (locals) about park. ②
- Research into locally exploited species. ①

1. PROFESSIONAL FISHING — 3
2. PRO AMATEUR FISHING — 4
3. POLICING OF MANAGEMENT — 1
4. IMPACTS OF RECREATION FISHING — 5
5. PROTECTION OF REEF — 2

1 BUNDEGI — 1
2 RESTRICTION OF SUBSIDIES — 2
3 INTERNATIONAL — 3
4 POLLUTION CONTROL — 4
5 CONTROLS OVER FISHING OPS. ZONING — 5
6 PROFESSIONAL FISHING TO CONTINUE — 6

Dr GEOFF TAYLOR.

1. ZONING - EQUITY OF USE
- ? SANCTUARY ZONE
2. ~~BO~~ ACCESS TO SAFE ANCHORAGES.
- RESTRICTIONS OF USE OF PARK IN THESE AREAS.
3. CONTROLS OVER FISH STOCKS - QUOTAS
- SPEAR FISHING / AQUARIA / SHELL COLLECTING.
4. BUNDEGI - PROTECTION
- ↓ FISH + SILTATION
5. INTERNATIONAL DISTRICT CONTROL -
6. DAMAGE TO REEF BY BOATS / POLLUTION
7. SECURITY /
CONTROL ON PROFESSIONAL FISHING.
- SNAPPER TRAPS ETC.

GEOFF MERCER - GERALDTON

ANDREW GRANT -

JANE LEFROY - KINGALOO.

HITCHHIK

1. ZONING MGMT/CONTROL
2. FISHING CONTROLS.
3. SHELL/CORAL COLLECTION CONTROL
4. AQUARIUM FISH COLLECTION.
5. SAFETY OF PARK USERS.

D. BATHGATE.

1. RESTRICTIONS OF HUMAN ACTIVITY -
2. ZONING - EXCLUSION OF ACTIVITIES
3. SPEAR FISHING - SHELL COLLECTING - FISH COLLECTING AS DESTRUCTIVE ACTIVITIES
4. CAMPING.
5. USE OF AREA BY PRO-FISHERMEN
6. COMMERCIAL DEVELOPMENTS WITHIN PARK.
7. SURFING - BOARD RIDING - YACHTING.
- 8.

H. Doot
Common Dook Size
Taking of midsize fish
Anchoring over coral reef
Nursery in inshore areas

The need to retain netting activity within the park

G. NASH

1. CONSERVATION OF BUNDEGI
CORAL REEF
I.E. BOAT ANCHORS ETC.
2. FISH BAG LIMITS
POLICING OF SUCH.
3. BOAT LAUNCHING FACILITIES

BRIAN DEERING

- 1) REMOVAL OF FISH (i.e. LARGE NUMBERS) CONTROL
- 2) POLLUTION OF AREAS IN GOROKU
- 3) REEF DAMAGE BY ANCHORS AND TRAPS
- 4) REMOVAL OF SHELLS AND CORAL.
- 5) RAMP AREAS TO ALLOW FOR ENTRY BY S.R. GROUPS AND OTHERS, AND NOT DAMAGE THE BEACH AND REEF.

CONCERNS:

ZONING & MANAGEMENT OF (ACCESS)

FISHING CONTROLS (BAG LIMITS / INSPECTORS)
CORAL REMOVAL - CONTROL,
SHELLING CONTROLS -

HARBOUR LIGHTS.

PROFESSIONAL FISHING 6

DEPART CONTROL X 1

BUNDEGI - PRAWN FISHERY 5

ZONING 4

COMM DEVELOPMENT 3

VEHICLE CONTROL X

POLLUTION CONTROL

CONTROL OF FISH STOCKS 7

SECURITY OF EXISTING OPERATORS X

DAMAGE TO REEF BY BOATS 2

RESTRICTIONS ON SURFING BOARD RIDING - X

ACCESS TO ANCHORAGES X

H Doolal

5 Netting within Park

3 Anchoring

1 Undersize fish

4 Research on local fish

~~Under size fish~~2 External effects on fish
population

1 5 POLICING

2 4 SHELL + CORAL COLLECTING

3 3 PRO - AM FISHING

4 1 SAFETY

5 2 SPEAR FISHING

1) FISHING CONTROL, SHELLS AND CORAL
REMOVAL.2) ANCHOR AND TRAP DAMAGE TO
REEF.3) POLLUTION OF PARK AREA BY
USES

4) VEHICLE CONTROL,

6) CONTROL OF COMMERCIAL
FISHERMAN7) PROTECTION OF LOCAL PRO
GROUPS

London 3494 Margaret

~~Maier~~ 49. 3500.
~~Hallworth~~

Atkinson ✓ 1331

~~Lester~~
M. Levy }
~~Barkley~~

~~even Branch~~ —
~~B. Wilkes~~ —

Geoff Mercer

R.M.P.

Conservation of resources
Equity for use
Management capability
Sensitivity of developments
Education / information
Local involvement

GEORGE KING
P.O. BOX 249
EXMOUTH

- ① WHO IS IN CONTROL I.E. WHAT DEPARTMENTS
- ② HOW TO BE CONTROLLED
- ③ HOW ESTABLISHED OPERATORS ALREADY LICENSED WILL OPERATE WITHIN THE PARK
- ④ WHICH AREAS IF ANY WILL BE CLOSED OR RESTRICTED
- ⑤ WILL FISHING OPERATORS BE CONTROLLED ON THEIR OPERATIONS (NET FISHERMEN TRAP FISHERMEN LINE)
- ⑥ WHAT SPECIES ~~BE~~ WILL BE PROTECTED

Norm Nickerson

Degree of access to resources
Education / information
Management person power
Equity for use
Foreign fishing
Conservation
Tourist developments

260 KM.

Rangers to control marine park.

hard land staff to control access.
Dual qualifications - commercial
certification
lift of fingers & marine & shore
business of staff.
Fisheries inspector
Educated ranger force.
Communication upgrade.

ANDREW GRANT

1. PROTECTION OF MARINE LIFE
2. STAFFING
3. ACCESS
4. BALANCED USE OF RESOURCES
5. ~~HUMAN USE~~

G. MERCER

Problems in Future Mgmt of M.P.

- i) Incremental Devt.
- ii) Managing The Volume of Camping
- iii) Providing staff for Management.
- iv) ^{the park} ~~allowing~~ the Shell Collecting
- v) Pro/Amateur Fishing
- vi) Aquarium Fish Collecting
- vii) Safety of M.P. users.

Pro Amateur Fishing (5)
 Protection of Forshore Organisms
 Supervision of Users (3)
 More Staff (2)
 Incremental Devt. (1)

- (1) CONTROL MANAGEMENT OF FISH STOCKS
- (2) SECURITY FOR EXISTING OPERATORS CONTROL
- (3) DEPARTMENTAL CONTROL
- (4) PROFESSIONAL FISHING TO CONTINUE
- (5) ACCESS TO ANCHORAGES
- (6) COMMERCIAL DEVELOPMENT
- (7) ~~ZONING~~ ^{ZONING} FISHING EFFORT
- (8) ^{ZONING} BUNDEG
- POLLUTION CONTROL
- REEF DAMAGE
- RESTRICTIONS ON SURFING
- VEHICLE CONTROL
- INTERNATIONAL FISHERY CONTROL

- (2) Safety of MP Users. (4)
- (1) Pro Amateur Fishing (5)
- (5) Comm / Amateur Netting (1)
- (4) Spearfishing (2)
- (3) Shell Collecting. (3)

STEVE ROSCIC LIGHTHOUSE

ALL

ALL YEAR ACCESS TO BEACHES
NORTH OF EXISTING NAT. PARKS

RESTRICTING BEACH CAMPING OF
PEOPLE WITH FREEZERS +
GEN SETS.

COMMANDER RICHARD SCOTT AUSTDEPCOM HEH.

Retention of Naturalness	7
Awareness of Management	6
Education / Information	5
Unrestricted operation of NAVCOMMSTA	4
Zoning guidelines / equity of use	3
Provision of facilities	2
Charter fishing	1

GEORGE DUXBURY

STAFFING - FOR CONTROL

EA: NO NETTING

BAG LIMITS

ACCESS

BOATING BEHAVIOUR - SAFETY

ON SHORE CAMPING

PUBLIC EDUCATION

PUBLICATION OF INFORMATION

R Smith

1. Adequate consultation with current users - recreationists.
2. Accommodation throughout.
3. Conservation of land fringing.
4. Pollution - oil, waste.
5. Variety of experiences for each user recreation group.
6. Supervision of users.
7. Commercial exploitation in excess - over fishing by recreationists - professional fisherpeople.
8. Quality of roads for all vehicles.

Supervision
Access

D. RICHARDS

1. THE ~~LIMITS~~ ^{LIMITS} OF STATE & COUNTRY AUTHORITY ARE 3 + 10 MILES RESPECTIVELY. HOW IS IT PROPOSED TO PHYSICALLY PROTECT THESE LIMITS FROM ^{COMMERCIAL} INVASION & EXPLOITATION?
2. INsofar AS THE ENVIRONS OF THE REEF ARE DIRECTLY RESPONSIVE TO THE PRESENCE OR ABSENCE OF MARINE LIFE, WHAT ROLE IS ENVISAGED FOR THE PROTECTION OF COMMERCIAL FISH STOCKS BY THE DEPT OF FISHERIES?

L. Burkhart

- ① Degree of Access to fishing grounds to everyday tourist & locals alike
- ② To what extent will Commercial Fishing be tolerated?
- ③ How accessible then be to Charter Fishing Vessels?
- ④ What improved facilities including access could be provided if any?
- ⑤ In what way or how will any rules set down

Max Polglase

- 1 Conservation
 - Marine - fauna
 - Terrestrial - flora
- 2 Development
 - Tourist
 - Commercial - primary and second
3. Safety + Support Services
 - Sea Rescue, Rangers
4. Educational Services
 - Displays, descriptions, brochures of fauna + flora present
- 5 Recreational Activities
 - Fishing - line, net, spear ...
 - Diving - snorkel, scuba
 - Camping - overnight, longer term

Kim NARDI

Fishing - AMT. vs PROF.
- BAG LIMITS.
- SPEARFISHING ETC.
- ANCHORAGES: COMM (PROF)
IS PLEASURE → CONFLICT.

PRESERVATION VS ABUSE

5 ACCESS TO ALL BEACHES

4 RESTRICTIONS ON SEMI PROFF. FISHING - FREEZER

2 SUPERVISION OF USERS

1 PROTECTION OF ASSET

3 MORE STAFF.

RICHARD SCOTT.

• Guaranteed continued operation of NAVCOMSTA Harold E. Holt with associated vital activities such as:

- Clear, unrestricted approaches for tankers to Pt Mual pulling facility.
- unrestricted operation of work boats/lines
- Continued cooling water discharge as previously agreed.
- no unforeseen large U.S. Expenditures.

CONSERVATION

• Well managed Marine Park facility with known policing criteria to ensure conservation of attractive, valuable species whilst still enabling the continuance of recreational activity.

1. (5) SUFFICIENT PERSONNEL

2. (4) EFFECTIVE INTERPRETATION & EDUCATION

3. (3) RESEARCH OF WHAT WE'RE CONTROLLING

4. (2) ACCESS

5. (1) ZONING TO PROTECT INTERESTS

5 Amateur v Prof fisherpeople.

3 Supervision of users

4 Access

1 Incremental development.

2 Balanced use of resources

SUFFICIENT PERSONNEL
MORE STAFF

Logan of Access 7.
Conservation Issues
(Controlled Use) 6

Education Information 5.
Material

Local Ownership 4.

Zoning
Restrictions of Activities 3.

Management Manpower 2.

Charter Fish as opposed to
No Commercial Fishing.

Priority Order

1. Controlling the use of the Park (7)
to ensure it is retained in good order

2. Planning for tourism by provision of facilities (6)

3. Providing information (educational) (5)

4. Policing restrictions of use
Provision of personnel (4)

5. Zoning different regions for different activities, ensuring ALL are catered for. (3)

6. Providing safety & support services (marine & terrestrial) (2)

7. Local input in the management body (1)

5 PROTECTION OF MARINE LIFE (ASSET)

4 2 STAFFING

1 5 FISHING ASPECTS PRO-AM

2 4 BALANCED USE OF RESOURCES

3 7 HUMAN ACTIVITY RESTRICTIONS ON FREELERS.

1. SUFFICIENT PERSONNEL
 2. POLICING OF W. BOUNDARY AGAINST
 3. COHERENT & PROTECTION
 4. ZONING.
 5. CLOSER CONTROL AT ENTRANCE
- FISHING TO MINIMIZE IMPACT ON PARK.

Leonie Horak

- ① Bag limits fish, crayfish, shells & policing of same.
- ② Freedom of recreation in the form of family bags - what rules?
- ③ Long-line Japanese/Taiwanese vessels venturing into the park limits - what action.

Pileen East.
Group 3.

Low tide activities.
Shell collecting.
Octopus collecting for bait.
Turning rocks over.

G. LANCE

- ① PROTECTION OF MARINE LIFE 5 #
- ② SUPERVISION OF AREA 1 + #
- ③ RESTRICTION OF FREEZERS. 2 2
- ④ ACCESS. 3 #
- ⑤ REMOVAL OF MARINE ORGANISMS 4 #

- Profess semi reef
- Fishing - Over fishing
 - camping
 - Shelling - overshelling
 - education of park users - eg fishing
 - Shelling,
 - destruction of terrestrial
 - destruction of corals.
 - that the Park doesn't become overdeveloped & take away from the naturalness of this unique area.

Jim SHARP.

Major issues.

1. Retain the "resource" base for the marine Park. - ie coral reef, fish stock, shells. - by immediately identifying what is at risk & what causes the risk.
2. Maximize the diversity of recreational options based on these resources. - by essentially identifying what is relatively unique to this Park.
3. Involve the community in a real way to identifying ownership of the Park - so they become essential agents of management. - need to clearly enunciate the social & economic benefits.
4. Decide early who can do what where - & gain the widest use.

CARY OLDFIELD

Control of Marine Park considerations

- ① Access to.
- ② Development will intensify fishing. Is the actual fish breeding / habitat quality / quantity etc already known.
- ③ Possible closing down to extended camping during breeding season.
- ④ Glass bottom interest of my own to preserve soft coral & against anchors. (Restricted areas.)
- ⑤ Moorings at Bundagi.

Julie Blankland.

- ① Safety of Coral on all Ning Reef.
- ② Protection of Marine life receipts: tropical fish etc.
 - Shelling
 - Collecting for bait (eg octi)
- ③ Safety of all Marine life - especially - White Sharks & dolphins, ~~also some dugongs~~

P. DROWN

- BAG LIMITS - CONTROLLED
- TIME LIMITS ON CAMPER.
- NO FREEZES
- AVAILABILITY FOR A COMMERCIAL OPERATOR TO VIEW REEF IN CLOSED AREAS.
- NO TRAPPING IN AREA (MARKED BLUE)
- LINE FISHING ALLOWED IN CRESTED AREA INSIDE REEF PLUS ALL OF OUTSIDE REEF.

- ① Pro-am Fishermen
- ③ Supervision / Policing of users.
- ⑤ Adequate staffing
- ④

- Access
- ⑧ ~~Unrestricted access~~ ⑤
 - ⑦ Adequate staffing ⑥
 - ③ Supervision / Policing of users ③
 - ④ Pro-am Fishermen including ②
 - long liners
 - ⑦ Balanced use of resources ①

- 2 Protection of marine life ⑤
- 4 Balanced Use of Resources. ③

- 9 Low tide activity ④
- 5 Supervision of users. ②
- 15 Impact of anchorages. ①

G LANE

PROPER POLICING OF AREA, PARTICULARLY DURING TOURIST SEASON, VERY DIFFICULT FOR RANGERS TO ADEQUATELY COVER WHOLE AREA MAINLY MARINE LIFE CLOSE TO BEACH.

Retention of biophysical resource
Degree of access to resources - zoning.
Retention of naturalness
education of Park users.
Ban Foreign fishing (to include all non local fishing boats - commercial)
unrestricted use USN/RAN facilities / developments.

- Retain Biophysical Resource. 7.
- Range of option for use. 6.
- Egemony of use. 5.
- local ownership 4.
- Education Informative material 3.
- Awareness of management 2.
- Provision of facilities 1.

NINGALOO NATIONAL MARINE PARK

PRIORITIES

- 4 Research ⑤
- 1 Zoning of ④
- 15 Commercial concessions ③
- 9 Access (Ramps etc ②
- 12 Effective Education etc ①

Make enquiries from ? regarding the FADS (fish attaching devices)
Any possible application (Artificial reefs ??)

- 5 PROTECTION OF MARINE LIFE
- 2 ~~HUMAN USE~~ BALANCED USE OF RESOURCES.
- 3 ~~MORE STAFF~~ Supervision of users.
- 1 RESTRICT ON SEMI PRO FISHMEN.
- 4 SAFETY OF CORAL ← anchorages, destroying by divers, low tide activity.

- 3 Policing. ①
- 2 BAG LIMITS. ⑤
- 5 TRAPPING OF FISH ⑩
- 4 Research if what we are CONTROLLING. COMMERCIAL ⑥.
- 1 PERSONAL CONCESSIONS ⑩

BARRY WILSON

1. Management ^{rec.} of fishing on sustainable yield basis
2. Appropriate zoning to protect interests of different users
3. Adequate management staff
4. Effective ^{education} / - interpretation facilities
5. Safety ^{search} & rescue resources
6. Access - accommodation
7. "Collecting"
8. Understanding ecosystem (Research)

D.G. BATHGATE

- / PETS - FIRES
1. CAMPING FACILITIES.
 2. FISHING AMATEUR. BOAT - ~~BEACH~~ BEACH. SPEAR.
 3. SHELL COLLECTING.
 4. SAIL BOARDING - SURFING - YACHTING. WATERSKIING.
 5. PROFESSIONAL FISHING. - GAME FISHING.
 6. ZONING OF ACTIVITIES.
 7. 4X4. ACCESSES.
 - ~~8. ACCESS BY. PROFESSIONAL TOURS. - BUS~~
 8. & ACCESS BY. PROFESSIONAL TOURS. - BUS
FORT.

H. NIELSEN.

- 1) PROPER POLICING OF RULES & REGULATION I.E. "WARM BODIES" TO DO THE JOB.
- 2) COMMERCIAL INTERESTS IN PARK
= TO WHAT EXTENT?
- 3) BUNDEGI REEF - CONCERN FOR - CORAL BEING TAKEN BY TOURISTS
CORAL BROKEN OFF BY ANCHORING,
BOATING BEHAVIOUR.
- 4) CAMPING IN PARK - FREEZERS
- 5) TRAP FISHING WITHIN THE 10 MILE LIMIT. - OTHER AREAS IN AUSTRALIA ARE DEPLETED.

Most important

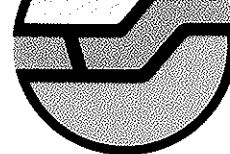
1. Zoning (5)
2. Bag limits. (4)
3. Access (3)
4. ~~Staffing~~ User pays (2)
5. Collecting (1)
6. Staffing
7. Research
8. Commercial concessions.

- | | Rank |
|------------------------------------|------|
| 1 Fishing - Amateur / Professional | (4) |
| 2 Protection of Marine life. | (5) |
| 3 Supervision of users | (3) |
| 4 Removal of marine organisms | (2) |
| Staffing | |
| 5 Access to Beaches | (1) |

- | | Priorities |
|---|------------|
| 1) SUFFICIENT POLICING. | (5) |
| 2) " " PERSONNEL | (4) |
| 3) DISTRIBUTION OF INFORMATION. | (3) |
| 4) RESEARCH OF WHAT WE ARE CONTROLLING. | (2) |
| 5) BOATING BEHAVIOUR. | (1) |

HACKETT DRIVE CRAWLEY
WESTERN AUSTRALIA
Phone (09) 386 8811
Telex AA 94585
Facsimile (09) 386 1578

NATURE CONSERVATION HEADQUARTERS
50 HAYMAN ROAD COMO
WESTERN AUSTRALIA
Phone (09) 367 0333
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Please address all correspondence to Executive Director, P.O. Box 104, COMO W.A. 6152

Your Ref:

Our Ref:

Enquiries:

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MARINE PARKS AND RESERVES SELECTION WORKING GROUP

NEXT MEETING

The next meeting will be held on TUESDAY, 7 OCTOBER 1986 at 9.00 am in the Conference Room, 2nd floor, WA MUSEUM. I hope to see you there.

Attached is a brief paper on Mangals in the Kimberley area.

Barry

Dr B R Wilson FTS
DIRECTOR NATURE CONSERVATION

19 September 1986

BRW:SK

MANGAL

(Study Area 1: Kimberley).

NB: Following contemporary practice the term 'Mangal' is used to refer to the vegetation assemblages associated with tidal flats; the term 'mangroves' refers to kinds of trees which characterize those assemblages. 'Mangrove' is commonly used in lay terminology as a synonym of 'mangal'.

Mangroves, like corals, are organisms which create habitat for characteristic diverse assemblages of other organisms. Mangals are highly productive systems which contribute heavily to the nutrient cycle of adjacent coastal waters, and provide shelter and nourishment for many juvenile fishes which use them as nursery areas. It is no overstatement to say that healthy mangals are an essential part of continental coastal ecosystems. It follows that protection of mangals is an essential part of coastal management, both for protection of their own component species and communities, and for the part they play in overall environmental processes of coastal systems

MANGAL FLORISTICS IN WA

Seventeen species of mangrove have been recorded from Western Australia (Semeniuk, 1983) viz.:

Acanthus ebracteatus
Aegialitis annulata
Aegiceras corniculatum
Avicennia marina
Avicennia eucalyptifolia
Bruquiera exaristata
Bruquiera parviflora
Camptostemon schultzei
Ceriops tagal
Excoecaria agallocha
Lumnitzera racemosa Willd.
Osbornia octodonta
Pemphis acidula
Rhizophora stylosa
Scyphiphora hydrophylacea
Sonneratia alba
Xylocarpus australasicus

REGIONAL DISTRIBUTION OF MANGALS IN WA

The most diverse mangals occur in humid tropics. In arid regions salt flats and salt marshes develop at landward edges of mangals and replace mangroves. On a regional basis, there is a progressive decrease in species diversity as aridity increases.

Mangals of Western Australia occur in 4 climatic zones (Fig.1) which are (in order of species diversity):

Tropical subhumid (15 species)
Tropical semiarid (8 species)
Tropical arid (5 species)
Subtropical arid (>5 species)

Although there are few data, it can be assumed that diversity of associated fauna will show the same trend, i.e. decrease from Tropical subhumid to subtropical arid.

LOCAL VARIATIONS

Within each of these climatic zones, individual mangals vary in floristic (and faunistic) composition, species-richness, community structure, and zonation, according to local geomorphological features and tidal range. Freshwater seepage, in particular, has a large influence.

Four primary structural types of mangal may be recognized:

Riverine
Basin
.....
.....

CONCLUSIONS

(1) In order to ensure health of the Kimberley coastal waters in general, it is important that protection measures be implemented for all mangal systems, in the context of a regional coastal management plan.

(ii) In order to achieve a reserve system containing a representative sample of mangal habitat and biota to be given special status and protection, it is necessary to select areas of different geomorphological type from each of the climatic zones.

In the Kimberley (Study Area 1) there are two climatic zones (Fig. 1F). The zone of highest mangal diversity (i.e. the Tropical subhumid zone) occurs in the North and North-west Kimberley between the west side of Cambridge Gulf and Stokes Bay, King Sound. It is flanked on the East Kimberley side and the West Kimberley side by Tropical semi arid zones of slightly lower diversity and different biotic composition.

The following selection of areas for mangal protection within Study area 1 may be judged to maximize the chance of representativeness:

EAST KIMBERLEY:

- 1) False Mouths of the Ord - Cambridge Gulf
- 2) East Arm of the Ord - Cambridge Gulf
- 3) Cape Londonderry

NORTH AND NORTH WEST KIMBERLEY:

- 1) Cape Bouganville
- 2) Lawley River Estuary - Admiralty Gulf
- 3) Mitchell River Estuary
- 4) Prince Frederick Harbour
- 5) St George Basin
- 6) Walcott Inlet

WEST KIMBERLEY:

- 1) Stokes Bay and around Point Torment
to Doctors Creek, King Sound.

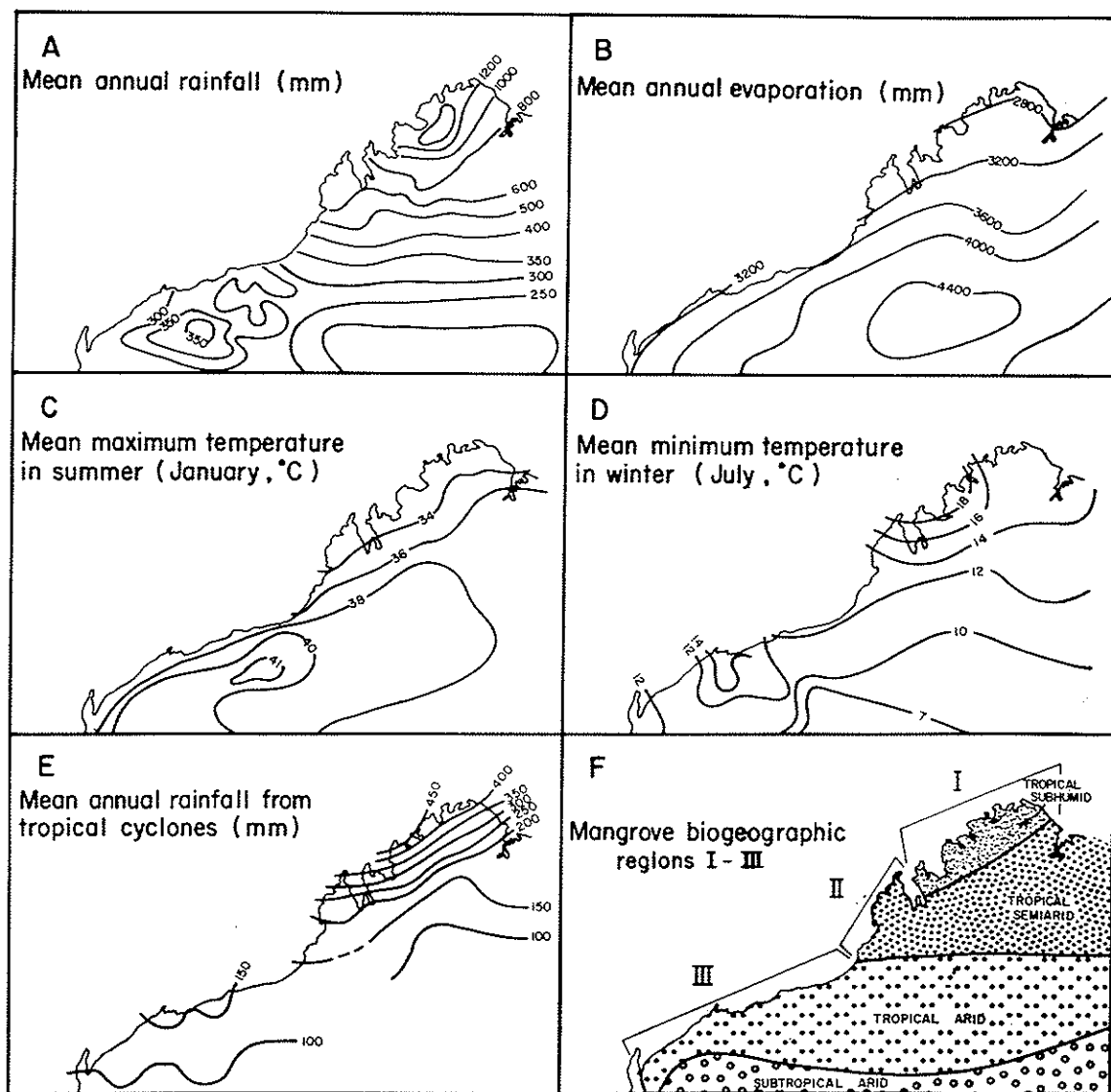


Fig. 3. A-E show contoured maps of climate elements viz. rainfall, pan evaporation and temperature; maps A-D after Bureau of Meteorology (1973-76); map E is after Milton (1978). F) Distribution of climate zones referred to in this paper, and distribution along the coast of mangrove biogeographic regions I, II and III, after Semeniuk *et al.*, 1978.

Richard May
A/Branch Manager
Planning

PRESENTATION OF DRAFT MANAGEMENT PLAN FOR BENDER SWAMP
NATURE RESERVE TO CALM DIRECTORATE (6 OCTOBER 1986)
AND NPNCA (7 NOVEMBER 1986)

The above plan will be presented on both occasions,
by Doug Watkins (principal author). This will involve
2 days work (2½ days preparation, 2½ days
presentation). Doug was employed, to prepare the
plan, at a rate of approximately \$100/day. Thus,
presentation of the Bender plan will require \$200.

For your consideration.

S.A. Moore

Sue Moore
Planning Officer

23 September 1986

CALM REGION	PLANNING OFFICER RESPONSIBLE	BACKUP OFFICER
Central Forest	Paul Frewer	Jim Williamson
Gascoyne	Richard May	Barry Muir
Goldfields	Barry Muir	Vanessa Smith
Greenough	Richard May	Paul Frewer
Kimberley	Jim Williamson	Barry Muir
Metropolitan	Vanessa Smith	Jenni Bartle
Northern Forest	Vanessa Smith	Barry Muir
Pilbara	Barry Muir	Richard May
South Coast	Sue Moore	Barry Muir
Southern Forest	Paul Frewer	Jim Williamson
Wheatbelt	Sue Moore	Jenni Bartle

PERIOD SEPTEMBER 1986 TO APPROXIMATELY SEPTEMBER 1987

	1	2	Total
PF	2	1	3
RM	2	4	6
BM	2	1	3
VS	2	-	2
SM	2	2	4
JW	1	2	3
JB	-	-	-

The concept of rationalising land management practices of government and non-government land from its current state of fragmentation has considerable merit. However, the re-arrangements proposed in the Interim Report which, if implemented, have the potential for negative rather than positive impacts on land management and will also cost more to administer one large bureaucracy with a proportional decrease in efficiency of land management.

In planning for land use and the implementation of management practices, it is important to identify priorities in resource management, to establish relevant philosophies and distinct objectives towards each priority (e.g. national parks or timber harvesting) and to support those priorities with adequate legislative controls and efficient administrative organisation.

The various proposals contained in the Interim Report as a whole appear in some respects to go too far whilst others have not been developed enough. The major deficiency in the report is the lack of alternatives discussed or options considered. The argument and/or rationale for amalgamation and dissolution of agency/land management priority identity are tenuous and in some cases non-existent. In addition, the proposed re-structuring of the new agency is, in my opinion unworkable and not conducive to rational and efficient management of land, nor will it provide for management of lands which have been totally neglected, e.g. Vacant Crown Land.

Neither are their adequate, if any, assurances that the massive and immediate injection of resources required to correct the imbalance in staff weighting between existing agencies will be forthcoming or effective. One ponders on the efficiency of allocation of scarce government resources to a megalithic agency in contrast to providing additional resources to those agencies who are currently depauperate. The latter should have been explored further in the Report together with lesser, alternative levels of amalgamation. Without such inquiry, there is little if any justification on the surface, to bring forth the current proposal.

On the question of conservation priority management, i.e. primarily national parks and nature reserves, it is a gross injustice to the community who have a strong social identity with those resources particularly national parks. Where this identity is based on specific and consistent criteria across the nation and to some extent internationally, and conservation agencies are established to meet the specialist needs for management of those resources, it is more than a pity that it is proposed that there will no longer be a national park (and wildlife) service in this State. This would have been partially provided if the identities of some agencies and/or resource management priority had been retained within the proposed agency.

The National Parks Authority is very much a manager of people's activities in natural environments which requires a specific approach to management of the parks' resources. The resources are managed in such a manner as to provide protection of habitat for living resources, protection of the attractions which bring people to such areas and integrating recreation activities (at defined levels) and development of facilities so as not to conflict with the conservation priority. National Parks are conservation reserves firstly and recreation reserves secondly and not to the unnecessary detriment of the former. This basic philosophy has been destroyed in the proposed structure of the new agency. You cannot make an arbitrary split of recreation and conservation into separate policy divisions without placing reserves at risk through conflict of priority.

All areas should be managed on a conservation policy, with varying levels of use according to community need.

Of the agencies proposed for amalgamation only two are geared to management of people (National Parks and Kings Park) and the latter has a strong botanical cultivation emphasis which is not directly relevant to national park management. Forests are a timber harvesting agency (i.e. softwoods or hardwoods) and are more aligned with: agriculture, where crops, fibre and protein are harvested; apiculture, where honey is harvested or; the pastoral industry where fibre and protein are harvested. A current problem with forests is their failure to give due emphasis to recreation and conservation aspects. This can be resolved with a change in policy and administration.

The greatest problems to be overcome with amalgamating the agencies proposed lies in two parts:

- a) the overwhelming staff numbers with the Forests Department having the potential to overwhelm smaller depauperate agencies with a resultant change in their management philosophy and compromising of park values and;
- b) the massive task of "sorting out" the instant expertise in land/people management which will inevitably arise. Natural values would be compromised as a result together with unnecessary waste of resources.

The proposed structure of the new agency needs a considerable re-think as it is not only askew in concept, but unworkable as it does not provide for any hierarchy of responsibility nor integration of the various elements. Not being an administrator with qualification my views are not necessarily complete however, a re-organisation suggestion is attached.

There are major problems with identification of separate and sometimes mutually exclusive functions where, in some instances they have been incorporated into one unit, e.g. Inventory Mapping and Management Plans. Management Planning should not be treated as a distinct unit, nor should it be mixed with production-orientated tasks (inventory). It should be integrated into management operations with a direct interchange and involvement with operation. A good planner has to be at least a reasonable if not a very good manager.

Management plans can be either the life or the death of an agency, depending on the level of information and proposals detailed, and the extent of public involvement in planning and/or management. Actual operations really depends on the level of motivation and expertise of, the collective wisdom of individuals, not management plans per se. South Australia (Parks) has spent over \$1m on 40 management plans of which only 4 have been implemented! Don't place undue emphasis on plans, per se as there are other, more effective means of getting community involvement and ensuring efficient field operations.

There are numerous intricacies hidden in national park management which, if one has not had extensive hands-on experience with, are virtually impossible to be aware of. However, it is the fine tuning of any operation which is important, often more so than the gross level which is viewed from outside an agency. This is particularly true with integrating management of habitat/resource attraction/visitor use and having the vested responsibility for such land.

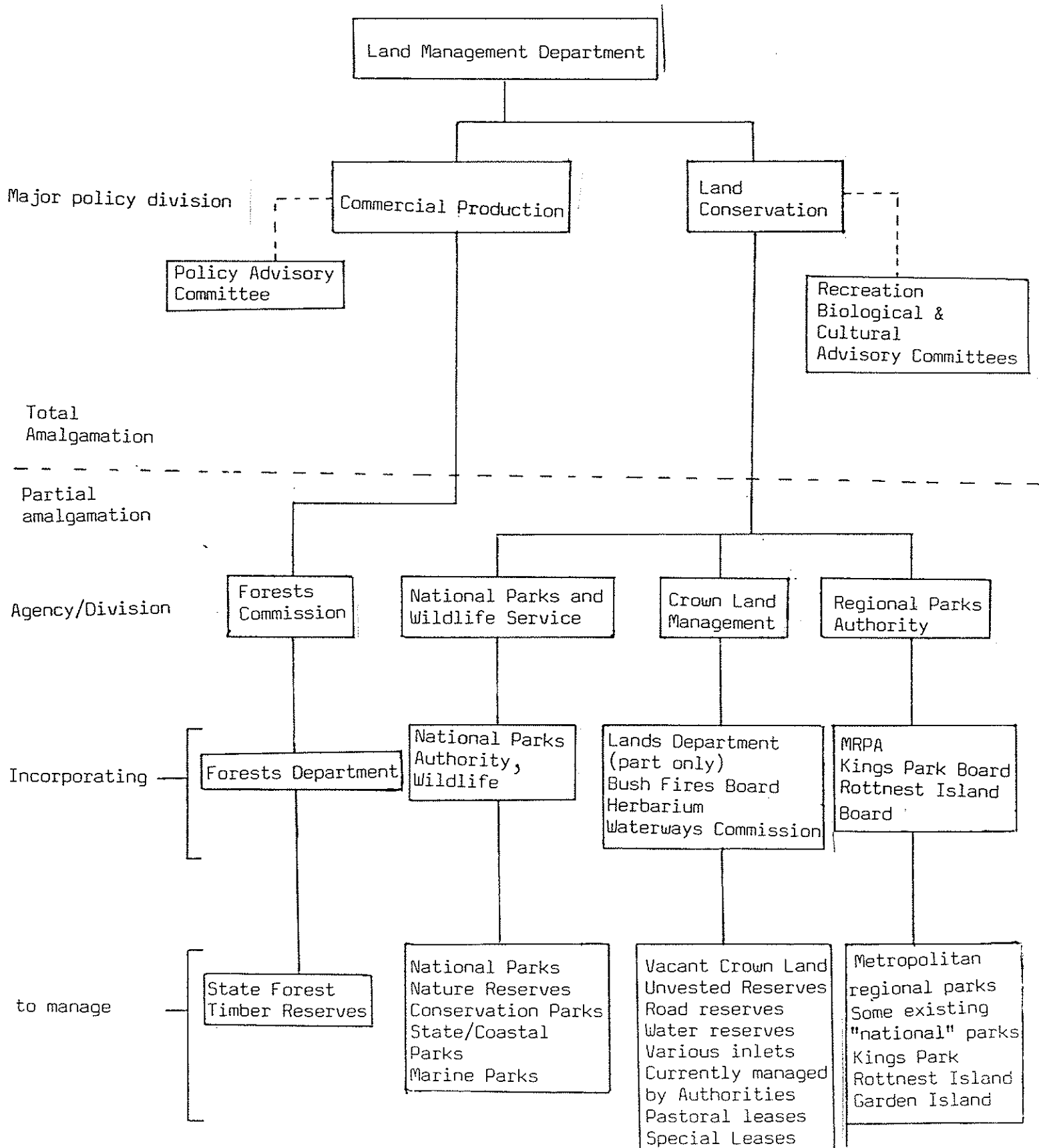
My principle recommendation for the Task Force to address lies in partial amalgamation (s) and re-structuring of existing agencies, taking a hard look at the options/advantages of not going all the way with a total dissolution of identities.

Lastly, I commend members of the Task Force on the effort which has been put into the job; the results and proposals are clearly a major shift from previous thinking for re-organisation of government agencies. Whilst not disagreeing with the intent of the proposals nor the fact that they represent a radical change in land management emphasis, I cannot see it working more effectively than other options which should have been discussed. In the reality of politics and bureaucracies I do not feel assured that it will work as proposed, only that whatever happens I will be endeavouring in my own capacity to make it work for what I believe is right for land management in Western Australia.

R.F. May

12-1-784

Conceptual structure of revised Land Management Department. Preference is given to establishment of the four divisions as individual distinct agencies in their own right. Failing that, they be under the "umbrella" of the Land Management Department.



NINGALOO MARINE PARK

Pre-Draft Plan Workshops
Exmouth July 29-30

Day 1

Doug Bathgate	Chairman
Barry Wilson	Facilitator
Geoff Mercer	"
Richard May	"
Stefan Fritz	"
Kevin Goss	"
Lyall McLeod	Observer
Allan Davies	"
Bruce Teede	"
Jane Lefroy	"
Rick French	"
Jeremy Carew-Reid	"
George Duxbury	"
Kim Nardi	"

Program

1. Morning - Workshop Program 0900-1300

0845-0900	Registration
0900-0915	Introduction
0915-0930	Management Strategy
0930-1030	Group sessions to identify and rank issues
1030-1050	General session to collate issues
1050-1110	Tea break
1110-1210	Group sessions to discuss major issues, identify conflicts and recommend management strategies.
1210-1230	General session to report on findings.
1230-1300	Summary

2. Afternoon Open Session 2-30-5-00

Dual objective: Open session where workshop participants may, as individuals discuss issues with CALM staff and, for other members of the community to exchange ideas with CALM staff.

FORMAT for Day 1 (Recreation, Tourism and Commercial Workshop)

1. Introductory Session

15 minutes

a) Purpose of workshop:

- information gathering
- exchange of ideas
- prelude to preparation of draft plan
- program

b) Historical context

- Ningaloo report outcome

c) Planning process

- Cape Range
- Ningaloo
- Coastal Park

2. Strategies for Management

15 minutes

a) Land management

- Cape Range
- Ningaloo
- Coastal Park

b) Ocean management

- Fisheries regulations
- Zoning

3. Workshop Sessions

- a) Split participants into four pre-arranged Groups of 5-6 people.
and appoint a spokesperson and recorder.

- b) Each person to privately identify a maximum of five issues
considered important in management. Each group discuss and rank
those issues in order of importance.

60 minutes.

- c) Reconvene as a general group. A verbal report delivered from each committee listing all of the issues and the ranking. 20 minutes
Outline procedure to be carried out after teabreak.
- d) Tea break 20 minutes
- e) Split into four groups as before, allocate 1 or 2 major issues to each committee for identification of conflicts and suggestion of ways in which they can be resolved. Each group is to produce a recommended strategy for management and present that verbally back in the general session.
60 minutes
- f) Reconvene to a general session, with groups to report to the whole workshop. (5 minutes each) 20 minutes
- g) Summary of workshop. 30 minutes

Total time 4 hours

FORMAT For Day 2. (Professional, Charter and Amateur fishing)

As for Day 1 Except, zoning will be on issues for all groups to consider.

Workshop participants (to be invited)

1. Recreation, Tourism and Business

Annette Gillies	P.O. Box 496	Exmouth
Julie Blinkhorne	P.O. Box 54	Exmouth
Leonie Horack	P.O. Box 130	Exmouth
Terry McLean	C/- Ansett Airlines	Exmouth
Max Polglase	P.O. Box 105	Exmouth
Dave Richards	P.O. Box 27	Exmouth
Eileen East	P.O. Box 263	Exmouth
William (Bill) Spanbrock	P.O. Box 62	Exmouth
Larry Burkett	P.O. Box 84	Exmouth
Designated Officer	C/- Commanding Officer	
	U.S. Naval Communication Station	
	Exmouth	
Designated Officer	C/- Deputy Commander	
	Royal Australian Navy	
	Exmouth	
Ray Smith	Dept Sport and Recreation	
	P.O. Box 140	
	Carnarvon	
Henning Neilson	P.O. Box 320	Exmouth
Peter Drown	P.O. Box 84	Exmouth
Peter Arscott	P.O. Box 154	Exmouth
Peter Burbage	P.O. Box 140	Exmouth
Steve Roscic	P.O. Box 504	Exmouth
Garry Oldfield	P.O. Box 234	Exmouth
Ian Lonnie	P.O. Box 221	Exmouth
Lance Gregory	P.O. Box 153	Exmouth
Glyn Payne	C/- Yardie H/S	Exmouth
Dr W F Brogon	81 Glengariff Drive	
	Floreat Park	
Mr D Monk	Coral Bay Holiday Resort	
	P.O. Box 1169	
	East Victoria Park	
Manager	Norcape Lodge Resort	
	Town Beach Road	
	Exmouth	

2. Professional Charter and Amateur Fishing

George King	P.O. Box 249	Exmouth
Paul Griechen	C/- Post Office	Exmouth
Owen Blanch	C/- Post Office	Exmouth
Dave Heafy	C/- Post Office	Exmouth
Peter Bostick	P.O. Box 457	Exmouth
Robbie Atkinson	P.O. Box 61	Exmouth
Harold Dodd	P.O. Box 260	Exmouth
Athol Webb	P.O. Box 413	Exmouth
Glen McIntosh	c/- Post Office	Exmouth
John Ashton	Coral Bay c/- Post Office	
	Carnarvon	
Jeff Taylor (Dr)	C/- District Hospital	Exmouth
John Hallworth	P.O. Box 178	Exmouth
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Norm McLeod	P.O. Box 91	Exmouth
Garry Nash	P.O. Box 390	Exmouth
Peter Maier	P.O. Box 26	Exmouth
Frank Csiczak	Secretary,	
	W.A. Recreational Fishermans Council,	
	Worthington Road	
	Booragoon W.A. 6154	

Saturday 26

Perth - Exmouth

Sunday 27

Inspect Defence land

Monday 28

0900-1200 Meet the full Council at Exmouth to brief Councillors on Workshops and Ningaloo, and to exchange ideas.

1300-1700 Arrangements for Workshops.

Tuesday 29

0830-1300 Workshop #1.

1400-1700 Open Session.

Wednesday 30

As above for Tuesday.

Wednesday Evening - Advisory Committee Meeting 1830-2000.

Thursday 31

0700-0800 Fly to Carnarvon.

0900-1100 Open Session at Carnarvon.

1200-1600 Fly to Perth.

Group 1

- ① CONTROL/MANAGEMENT OF FISH STOCKS
- ② SECURITY FOR EXISTING OPERATORS + CONTROLS
- ③ - BUNDLING / PLANNED FISHING
- ZONING / EQUITY OF USE
- ④ ACCESS TO ANCHORAGES
- ⑤ DEPARTMENTAL CONTROL
- ⑥ FISHING EFFORT
- ⑦ COMMERCIAL DEVELOPMENT

- 10 FISH STOCK MANAGEMENT
8 EQUITY FOR USE / ZONING
5 MANAGEMENT CONTROL

Group 2

- ① HOW IS THE PARK TO BE POLICED EFFECTIVELY
- ② OVER REGULATION OF USES
- ③ WHAT RESTRICTIONS TO PUBLIC
- ④ EXTERNAL EFFECTS OF FISH POPULATIONS
- ⑤ RESTRICTIONS ON CHARTER + TRADITIONAL OPERATORS
- ⑥ EDUCATION OF USERS + MANAGEMENT STAFF

Group 3

- ① PRO/AM FISHING
- ② POLICING
- ③ COLLECTING
- ④ IMPACTS OF RECREATION FISHING
- ⑤ SAFETY OF PARK USERS
- ⑥ ZONING
- ⑦ PROFESSIONAL FISHING
- ⑧ PROTECTION OF REEF
- ⑨ SPARK FISHING

NEWS ITEM

6LN Carnarvon

6WF Regional

The Department of Conservation and Land Management has arranged open Forums in Exmouth and Carnarvon to provide the opportunity to meet with staff of the Department and exchange ideas on issues affecting management of the proposed Ningaloo Marine Park.

The open Forums in Exmouth will be held on Tuesday (29th) and Wednesday (30th) between 2.30 and 5.00 pm in the Shire hall, and in Carnarvon on Thursday between 9.00 and 11.00 am at the Shire meeting room.

With the information and ideas gained from the Forums, a draft plan of management for Ningaloo Marine Park will be formulated. The draft will be made available for a minimum period of two months comment, before it is redrafted. The plan will only be current for a period of five years before it is reviewed and a new plan formulated.

FORMAT

1. Introductory Session

15 minutes

- a) Purpose of workshop:
 - information gathering
 - exchange of ideas
 - prelude to preparation of draft plan
 - program
- b) Historical context
 - Ningaloo report outcome
- c) Planning process
 - Cape Range
 - Ningaloo
 - Coastal Park

2. Strategies for Management

15 minutes

- a) Land management
 - Cape Range
 - Ningaloo
 - Coastal Park
- b) Ocean management
 - Fisheries regulations
 - Zoning

3. Workshop Sessions

- a) Split participants into four pre-arranged Committees of 5-6 people.
- b) Groups appoint a spokesperson and recorder.
- c) Each person to privately identify issues considered important in management group to.
60 minutes.
- d) Rank issues.

- e) As a general group a verbal report from each committee listing all of the issues. 20 minutes
- f) Tea break 20 minutes
- g) Split into four committees as before, allocate 1 or 2 major issues to each committee for identification of conflicts and suggestion of ways in which they can be resolved. Each group is to produce a recommended strategy for management and present that verbally back in the general session. 60 minutes
- h) Groups to report to the whole workshop. (2-3 minutes each)
- i) Summary of workshop. 30 minutes

Total time 3 hours 40 minutes

The Department will be holding workshops on Ningaloo Marine Park in Exmouth on the 29th and 30th of July to gather information and ideas which will assist the preparation of a draft management plan. When formulated, the draft plan will be available for general public comment for a minimum of two months before it is reviewed and adopted.

The aim of the workshops is to provide a forum at which representative members of the community can meet and discuss issues which they consider are relevant to management of the park and to resolve some of the conflicts which will arise from a diversity of activities in the park.

To ensure that all areas of interest are represented, participants have been invited from a wide cross section of residents in Exmouth and a few non residents who also have a direct interest in management of the park.

The workshop session will commence at 0900 at the Shire hall in Exmouth and finish at 1300. Morning tea and lunch afterward will be provided.

Your presence at the workshop on Wednesday July 30 would be welcomed. Registration is from 0845 to 0900. If you are unable to attend, could you advise George Duxbury (491 428) by the 25th.

I look forward to seeing you there.

Yours sincerely,

Barry Wilson
Director, Nature Conservation

16 July 1986

NINGALOO MARINE PARK

Pre-Draft Plan Workshops
Exmouth July 29-30

Day 1

Doug Bathgate	Chairman
Barry Wilson	Facilitator
Geoff Mercer	"
Richard May	"
Stefan Fritz	"
Kevin Goss	"
Lyall McLeod	Observer
Allan Davies	"
Bruce Teede	"
Jane Lefroy	"
Rick French	"
Jeremy Carew-Reid	"
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1110-1210	Group sessions to discuss major issues, identify conflicts and recommend management strategies.
1210-1230	General session to report on findings.
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Dual objective: Open session where workshop participants may, as individuals discuss issues with CALM staff and, for other members of the community to exchange ideas with CALM staff.

FORMAT for Day 1 (Recreation, Tourism and Commercial Workshop)

1. Introductory Session

15 minutes

- a) Purpose of workshop:
 - information gathering
 - exchange of ideas
 - prelude to preparation of draft plan
 - program
- b) Historical context
 - Ningaloo report outcome
- c) Planning process
 - Cape Range
 - Ningaloo
 - Coastal Park

2. Strategies for Management

15 minutes

- a) Land management
 - Cape Range
 - Ningaloo
 - Coastal Park
- b) Ocean management
 - Fisheries regulations
 - Zoning

3. Workshop Sessions

- a) Split participants into four pre-arranged Groups of 5-6 people.
and appoint a spokesperson and recorder.
- b) Each person to privately identify a maximum of five issues
considered important in management. Each group discuss and rank
those issues in order of importance.

60 minutes.

- c) Reconvene as a general group. A verbal report delivered from each committee listing all of the issues and the ranking. 20 minutes
Outline procedure to be carried out after teabreak.
- d) Tea break 20 minutes
- e) Split into four groups as before, allocate 1 or 2 major issues to each committee for identification of conflicts and suggestion of ways in which they can be resolved. Each group is to produce a recommended strategy for management and present that verbally back in the general session.
60 minutes
- f) Reconvene to a general session, with groups to report to the whole workshop. (5 minutes each) 20 minutes
- g) Summary of workshop. 30 minutes

Total time 4 hours

FORMAT For Day 2. (Professional, Charter and Amateur fishing)

As for Day 1 Except, zoning will be on issues for all groups to consider.

Workshop participants (to be invited)

1. Recreation, Tourism and Business

Annette Gillies	P.O. Box 496	Exmouth
Julie Blinkhorne	P.O. Box 54	Exmouth
Leonie Horack	P.O. Box 130	Exmouth
Terry McLean	C/- Ansett Airlines	Exmouth
Max Polglase	P.O. Box 105	Exmouth
Dave Richards	P.O. Box 27	Exmouth
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Lance Gregory	P.O. Box 153	Exmouth
Glyn Payne	C/- Yardie H/S	Exmouth
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Mr D Monk	Coral Bay Holiday Resort	
	P.O. Box 1169	
	East Victoria Park	
Manager	Norcape Lodge Resort	
	Town Beach Road	
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John Ashton	Coral Bay c/- Post Office	
	Carnarvon	
Jeff Taylor (Dr)	C/- District Hospital	Exmouth
John Hallworth	P.O. Box 178	Exmouth
Mike Wunhym	P.O. Box 222	Exmouth
Brian Wilkes	P.O. Box 443	Exmouth

Brian Deering	P.O. Box 493	Exmouth
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Robert (Bob) Hutching Jnr	P.O. Box 95	Exmouth
Milton Landon	P.O. Box 39	Exmouth
Neil McLeod	P.O. Box 203	Exmouth
Norm McLeod	P.O. Box 91	Exmouth
Garry Nash	P.O. Box 390	Exmouth
Peter Maier	P.O. Box 26	Exmouth
Frank Csiczak	Secretary, W.A. Recreational Fishermans Council, Worthington Road Booragoon W.A. 6154	

Saturday 26

Perth - Exmouth

Sunday 27

Inspect Defence land

Monday 28

0900-1200 Meet the full Council at Exmouth to brief Councillors on Workshops and Ningaloo, and to exchange ideas.

1300-1700 Arrangements for Workshops.

Tuesday 29

0830-1300 Workshop #1.

1400-1700 Open Session.

Wednesday 30

As above for Tuesday.

Wednesday Evening - Advisory Committee Meeting 1830-2000.

Thursday 31

0700-0800 Fly to Carnarvon.

0900-1100 Open Session at Carnarvon.

1200-1600 Fly to Perth.

AMATEUR FISHING/PROFESSIONAL FISHING WORKSHOP. WEDNESDAY 30TH.

Group 1

Dr. G. Taylor
B. Deering
A. Webb
D. Heaphy
P. Maier
G. King

Group 2

J. Hallworth
Neil McLeod
P. Griechen
H. Dodd
I. Nash
M. Wunhym

Group 3

R. Hitching Jnr.
Norm McLeod
O. Blanch
G. McIntosh
J. Ashton
P. Bastick

Group 4

R. Atkinson
G. Nash
M. Levy
B. Wilkes
F. Csiczak
M. Landon

RECREATION/TOURISM/BUSINESS WORKSHOP. TUESDAY 29TH.

Group 1

H. Neilsen
W. Spanbroek
G. Oldfield
P. Burbage
D. Richards

Group 2

A. Gillies
M. Polglase
R. Scott
P. Arscott
Dr. W. Brogan
L. Burkett

Group 3

L. Horak
G. Payne
L. Gregory
S. Roscic
R. Smith
J. Blinkhorn

Group 4

T. McLean
P. Drown
E. East
I. Lonnie
D. Monk

NINGALOO MARINE PARK - WORKSHOPS

Notes for facilitators

1. Introduction Session - 20 minutes.

- A) Purpose of workshop.
 - information gathering
 - exchange ideas
 - preliminary to draft plan for Ningaloo
- B) Historical Context.
 - Ningaloo report.
 - E.P.A. & Cabinet endorsements.
 - Review of zoning plan.
- C) Planning Strategy.
 - 3 park plans : Cape Range, Ningaloo, Coastal Park.

9.20 2. Workshop Session #1 - 40 minutes.

- A) The first task is for each individual to write his/her personal list of issues on the card provided. Ensure this is done in a period of quiet.
- B) Participants break up into small groups in accordance with group list.
- C) Facilitator to ask each person in turn, what their two most important issues are - write up on paper. Rotate through group until all issues are listed for all participants in group to see. Use words each person uses to describe issue.
- D) Ask group to list, on back of their cards, the issues in order of priority. HIGHEST PRIORITY FIRST. ie. No 1
- E) Facilitator to then score each issue from ranking given by each person.
- F) Each facilitator to then present the issues back as a general session. (Write up on butcher paper)

10.00

Coffee Break - 20 minutes.

10.20

- G) During coffee break, arrange issues in order of priority. (Rank according to weightings given by participants)

10.35

3. Workshop Session #2 - 40 minutes.

- A) Reconvene session. Provide each group with one issue
 - a) from their own list (summarised over coffee)
 - b) Let them choose one other.

- B) Get group to appoint a chairperson and a recorder.
- C) Provide task : identify conflicts likely to arise with issue (a) and the management strategy to be adopted to minimise conflict. Repeat for issue (b).
- D) Group reconvenes as a general session. Chairpersons to report back to everyone their issues, conflicts and management strategy.

11.05
11.50
12.10
12.20

NOTE: Time limit on each issue is ~~45~~ minutes. 30 minutes

- E) Chairman to then manage a general discussion by everyone of the outcome of each group.

20 minutes.

4. Summary Session - 10 minutes.

Nominate person to summarise outcome of workshop.

NOTE: Zoning if identified as a major issue before coffee, to be spoken to after coffee, to provide a basis for rational discussion and resolution by participants.

Chairman to close workshop and invite participants to lunch.

11.20

30 min

NINGALOO MARINE PARK - WORKSHOPS

Notes for facilitators

1. Introduction Session - 20 minutes.

- A) Purpose of workshop.
- information gathering
 - exchange ideas
 - preliminary to draft plan for Ningaloo
- B) Historical Context.
- Ningaloo report.
 - E.P.A. & Cabinet endorsements.
 - Review of zoning plan.
- C) Planning Strategy.
- 3 park plans : Cape Range, Ningaloo, Coastal Park.

Groups

- 1 Stefan Fritz
George Dunning
Nigel McLeod
- 2 Richard May
Kimi Naschi
Bruce Teale
- 3 Geoff Mercer
Andrew Grant
Jane Lepsoy
- 4 Barry Wilson
Jini Sharp
Doug Bathgate

2. Workshop Session #1 - 40 minutes.

- A) The first task is for each individual to write his/her personal list of issues on the card provided. Ensure this is done in a period of quiet.
- B) Participants break up into small groups in accordance with group list.
- C) Facilitator to ask each person in turn, what their two most important issues are - write up on paper. Rotate through group until all issues are listed for all participants in group to see. Use words each person uses to describe issue.
- D) Ask group to list, on back of their cards, the issues in order of priority. *five most important issues.* HIGHEST PRIORITY FIRST. ie. No 1
- E) Facilitator to then score each issue from ranking given by each person.
- F) Each facilitator to then present the issues back as a general session. (Write up on butcher paper)

Coffee Break - 20 minutes.

- G) During coffee break, arrange issues in order of priority. (Rank according to weightings given by participants)

3. Workshop Session #2 - 40 minutes.

- A) Reconvene session. Provide each group with one issue
- a) from their own list (summarised over coffee)
 - b) Let them choose one other.

Card &
fence

Name
X on Card.

materials

- 1 select whole 5
- 2 rank order
- 3 assign points
- 4 list on board & add
- 5 report for whole group.

10.20

- B) Get group to appoint a chairperson and a recorder.
- C) Provide task : identify conflicts likely to arise with issue (a) and the management strategy to be adopted to minimise conflict. Repeat for issue (b).
- D) Group reconvenes as a general session. Chairpersons to report back to everyone their issues, conflicts and management strategy.

NOTE: Time limit on each issue is 45 minutes.

- E) Chairman to then manage a general discussion by everyone of the outcome of each group.

20 minutes.

4. Summary Session - 10 minutes.

Nominate person to summarise outcome of workshop.

NOTE: Zoning if identified as a major issue before coffee, to be spoken to after coffee, to provide a basis for rational discussion and resolution by participants.

Chairman to close workshop and invite participants to lunch.

a management
strategy
conflicting uses are the
issues.

Base budget - 150 → down to 136. 90000

Contribution made for consultants
Banking of engagements ourselves - 150

Potential for reduction
→ Casual labour
- remaining consultants
- Running model
- workshops

Review original budget

Budget requires re-distribution

Inc - Expenditure - Oct Dec / Nov → 70
Ranger - Oct " / Nov - defer final
York - Nov - final - late Oct / Dec
South Coast - need contribution from 03.
(defer publication until next financial)
need travel funds in preference to publish

Berry
Lancashire - in final stage - 70
Hampshire - postpone indefinitely.
no real seasons (other than physical)
Gwynedd H&A - in line for 4 years
lower estimate for printing to 3000
Monta Bello - postpone indefinitely.

Vanessa

Sam - Admin - for Cape Range / Ningbo
- research

Paul - L-Net - draft this year
Central / N / S forests
release 2 March
(Budget accounts for both draft + final printing)
- make region: pay for plans

Stc ^{budget} designed plan Stage 1 -
Bangles - spread location

Jenai - ~~Shannon~~ / D - find ^{Reprints} next year.
- finish end October.

Matt - bulk cost data

Continuing funds for Matt + Jack.

Jacki - - L-Net

Jack
Base - R Kelsje - 22000
Saved in base for his salary
1/4 of Kels salary to other branches
= \$12000 saved
- casual labour
- ? commitment for consultancy
- air fares - 900 left
- vehicles over budget
- publications - may be savings
- travel - need to be careful.
- workshops - may be trimmed
- Equipment - may be trimmed
- consultancy - leave
- Planning work - cut off

Planning priorities
- priority list changes - all the time

Don't change priority train costs

Janet - travel costs only - Vanessa
- approval vgo.

\$1.5 down to \$116,000. if we cut.

Re-do estimates.

lot of fluctuation from year to year.

Need assurance to return what + Jack

\$165/day Consulting fees - likely to ~~be~~ ^{save} = \$4,000
+ travel

Printing costs vary for each plan

Priorities + direction
Problems - establishing a rolling program
Cost plan estimates for each phase.

Required Priorities list

Distribution of Management Plans.

It is departmental policy that draft and final management plans will be charged for, and will be accountable. This also, of necessity, a number of individuals and organisations who will receive free copies of the draft and final plans there are as follows:

- Policy Directors, as advisors,
a) Internal: ^{and} Divisional Heads ~~and~~ Branch Heads
- Regional offices
 - District offices ~~to local only~~ ^{usually} (within relevant Region only)
- Other officials can request plans
- Minister's office, NASCA, LFC, Media, where appropriate.
- b) External - Government Departments (as necessary)
- Local Government (within which the plan area is located ^{as requested by} ~~usually only relevant to plans of Nelson SA~~ ^{authorities})
 - ~~Education Council~~
 - Academic Institutions
 - Libraries (as necessary)
 - in every case - the State Reference Library.
- c) Private Groups and Individuals - as identified by project ^{team} ~~co-ordinator~~ - usually determined by level of contribution to the plan.

~~the~~

Apart from (a) which will have a standard list, (b) and (c) will be determined by the project team.

~~where appropriate~~ ^{pin}, The final should have a different emphasis, whereby the plan should be directed to libraries of ~~relevant~~ relevant organisations.

The draft should be forwarded, where possible, to an individual for comment.

MANAGEMENT PLAN DISTRIBUTION

		List 1	List 2	List 3	List 4	List 5	List 6
DRAFT	Covering Letter	1A	2A	3A			6A
	Guidelines for making a submission	yes	yes	yes			yes
	Copies Free	yes	yes	no			yes
FINAL	Covering Letter	1B	2B	3B	4B	5B	6B
	Summary of public submissions	yes	yes	yes	yes	yes	yes
	Copies Free	yes	no	no	yes	no	yes

List code:

1. Internal Distribution - individuals and Divisional offices
(Free Draft & Final)
2. External Distribution - other Departments and organisations
(Free Draft, pay for Final)
3. External Distribution - individuals - private and from
(Pay for Draft & Final) clubs, Departments and organisations
4. Contributors
(Free Final)
5. Contributors
(Pay for Final)
6. Specific Plan List - relevant Shires, Library and CALM
(Free Draft, Free Final) District Office

Notes:

1. Planning Branch provides Publications Branch (John Hunter) with details of distribution requirements and covering letters for each plan before the plan comes back from the printers.
2. Draft Plans to be distributed after official release date only.
3. Planning Branch responsibilities:-
 - i) creation of special list (include relevant CALM District Office, Shire and Library).
 - ii) advise Publications Branch of how many plans to be sent to CALM Regional/ District Offices, Shire and Library.
 - iii) provision of appropriate numbers of covering letters to Publications Branch (internal approximately 100, external approximately 100 total.
 - iv) distribution within Murdoch House.
 - v) distribution to departmental contributors not on internal list.

NB: Whenever possible, Planning Branch to distribute plans to those on list 6.

Management plan distribution

Criteria for lists

1. Internal
free draft + final.

a)

Executive

Division heads

Region "

Branches "

Districts "

Library - Woodvale

Minister's office

b)

Individuals - on request, through head.

2. External
(free draft, pay
for final)

a) Selected - list of - State govt depts
- Local authorities
- tertiary institutions
- clubs
- Interest agencies
- " institutions

b) Selected list of - Contributors
- other individuals

17. 9. 86

Management Plan distribution

Who pays for what?

Extra list - contributors?

Copies to District/Vegons Relevant to Plan.

Media copies.

Checklist

One list - containing 'everyone'
- second list specific to each plan.

Summary of public submissions - with advice for
final

Don't need list 3.

Small ~~standard~~ list for 2
Project co-ordinator to make list

Draft should be free to all. (also P/D)

Need to ensure that community is aware of Plan availability

Only provide list of exemptions -
every one else pays.

Free Draft - Final.

INTERNAL — Dir + Br Head NSPCA LFC,
 Nelson Districts - Am regions
 EX. — Gov. Groups, Rec. Groups, Govt.
 CONTRIBUTORS — 1st dist. of co-ord.
 MEDIA + NON-MIN —

19/9

Informing others of our capabilities
of what we do
experiences

External profile

Brand profile to Exec.
to Depart.

What we are doing vs what we can do
- What we should be doing in relation to
the Dept - equipt to do additional
resources required

Approach to management plans over next 18 mths

Monitor approach for Brand
Advisory role to ensure that all plans are
on a good footing at the onset of plans
- Setting the plan up + steer it
Need an appropriate reporting structure to
enable PB to be involved in establishing
the framework for the plan

Difficult to be involved in a number of
plans + write a plan as well.

We should be involved at the outset.

Do things we take for granted, whilst others fumble
around in getting started

Framework of plans will differ for each case
Export Chem news more

Training Program by Brand for other Brands
/ Regions

Diff of Dept Corporate Plan.
(should have objectives for Branch)

also extra Dept involvement

checklist for personal people development.

list all skills as checklist - 0

staff to make up profiles

15 September 1986 : Notes from:

Informal Session No 1 - to discuss where we are at; where we are going; what are our problems; how can they be resolved.

- ° Information session as a half-day seminar to elaborate on what the Branch does, its approach(s) to planning, what we are working on, techniques in planning together with advantages and shortcomings. Have General Manager and Divisional Manager present.
- ° Branch skills need to be better known. Require staff profiles of skills and experiences as the Branch consists of a number of highly motivated people each with a range of professional skills, making up a multi-disciplinary group with a high diversity of skills and knowledge. (Perhaps largely unknown of in Department and more regarded as 'generalists').
- ° Need better communication within Branch, for everyone to be aware of activities and decisions made that affect the Branch in any way, and to be a party to decisions. Outside the Branch, to be aware of what is going on in the Department as members of the Department who have an interest in wider perspectives than just the Branch.
- ° Need to determine and establish the role and function of the Branch in a corporate sense (what is the Department's perceptions of the Branch).
- ° Greater continuity of planning required with more integration of operational planning.
- ° Planning as part of Technical Services. We need to establish the Branch's role and credibility in the Division.
- ° Review of regional responsibilities required, may be more appropriate to have a thematic division rather than geographic division.

GROUP 2

1. RETAIN NATURALNESS CONTROL USE (2)
2. EDUCATION/INFORMATION
3. DEGREE OF ACCESS
4. EQUITY OF USE
5. LOCAL 'OWNERSHIP'
6. PROVISION OF FACILITIES
7. MANAGEMENT CAPABILITY (3)

GROUP 3.

- 1 PROTECTION OF MARINE LIFE (2)
2. SUPERVISION OF USERS (3)
- 3 MORE STAFF (1)
- 4 AMATEUR VS. PROF FISHING
5. ACCESS
- 6 RESTRICTIONS PRO/AM FISHING
7. BALANCED USE OF RESOURCES

Group 1

H. Neilsen ✓
~~W. Spanbroek~~
G. Oldfield ✓
P. Burbage ✓
D. Richards ✓
Stefan Fritz
George Duxbury
Lyall McLeod

Group 4

~~T. McLean~~
P. Drown ✓
E. East ✓
~~I. Lonnie~~
~~D. Monk~~
Barry Wilson
Kim Nardi
Doug Bathgate

Group 2

A. Gillies ✓
M. Polglase ✓
R. Scott ✓
~~P. Arscott~~
~~Dr. W. Brogan~~
L. Burkett ✓
Richard May
Jim Sharpe
Bruce Teede

Group 3

L. Horak ✓
~~G. Payne~~
L. Gregory ✓
S. Roscic ✓
R. Smith ✓
~~J. Blinkhorn~~
Geoff Mercer
Andrew Grant
Jane Lefroy

G/PROFESSIONAL FISHING WORKSHOP. WEDNESDAY 30TH.

Group 2

~~J. Hallworth~~

Neil McLeod

P. Griechen

H. Dodd

~~I. Nash~~

M. Wunhym

R Atkinson

B WILSON

S FRITZ

B TEEDE

J. SHARPE

Group 3

R. Hitching Jnr.

~~Norm McLeod~~

~~O. Blanch~~

G. McIntosh

J. Ashton

~~P. Bastick~~

G NASH

G MERCER

A GRANT

J LEPROY

Group 1

H. Neilsen
~~W. Spanbroek~~
G. Oldfield
P. Burbage
D. Richards

~~P. Drown~~

~~S. Fritz~~
~~B. Wilson~~

Group 4

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P. Drown
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~~I. Lonnie~~
~~D. Monk~~

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A. Gillies
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R. Scott
~~P. Arscott~~
~~Dr. W. Brogan~~
L. Burkett

R. May
J. Sharp

~~D. Teede~~

Lynn McLeod

Group 3

L. Horak
~~G. Payne~~ G. Lance
L. Gregory
S. Roscic
R. Smith
J. Blinkhorn

E. East

G. Mearns

A. Grant

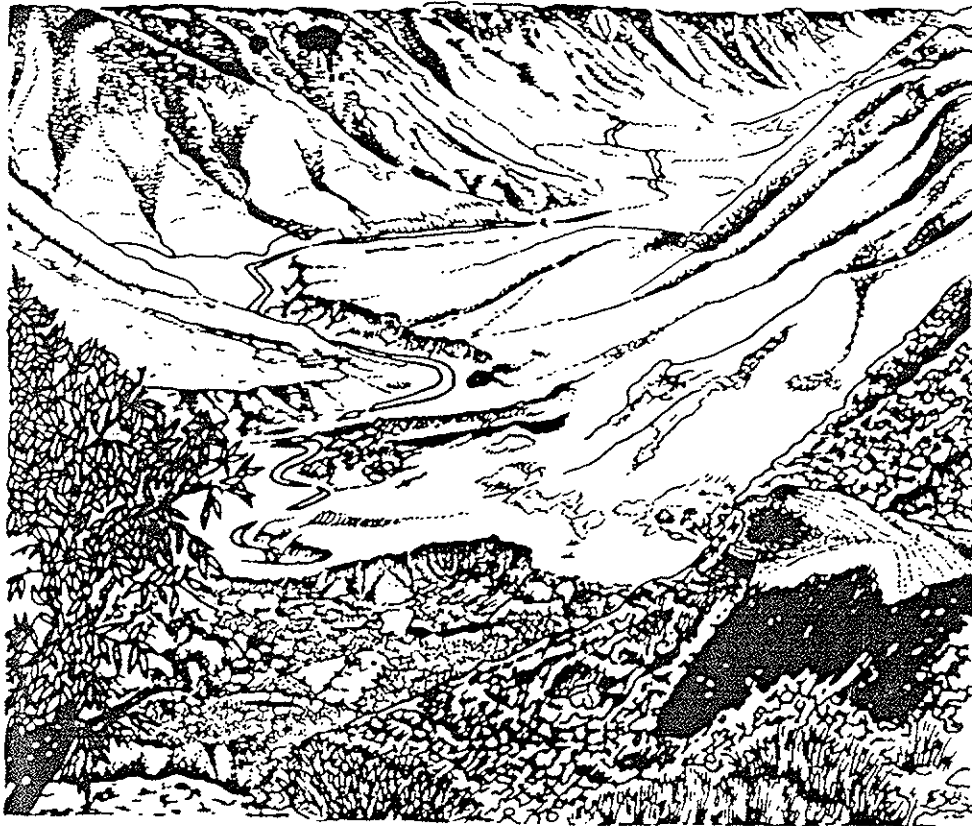
D. Bathgate

J. Hefrey



Department of Conservation and Land Management

Cape Range National Park



Draft Management Plan

August 1986

CAPE RANGE NATIONAL PARK

DRAFT MANAGEMENT PLAN

AUGUST 1986

Department of Conservation and Land Management
State Operations Headquarters
50 Hayman Road
COMO
PERTH, WESTERN AUSTRALIA

CAPE RANGE NATIONAL PARK
DRAFT MANAGEMENT PLAN

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education programs provided with funds provided through the Australian Bicentennial Authority, as a priority, as it is considered that the development of these parks will make a significant contribution to the economic development of the region. It follows that, if this contribution is to be sustained in the longer term, it is essential that the integrity of the environment is maintained. This will only be achieved through competent management, adequate resources and the co-operation of park users.

Implementation of management and development proposals described in this draft plan is subject to funds being available for this purpose.

ACKNOWLEDGEMENTS

Members of the team which formulated and prepared this draft plan, are in alphabetical order, Jenni Bartle, Richard May, Geoff Mercer, Ian Parker and Barry Wilson.

Valuable information was provided by George Kendrick and Kate Morse from the Western Australian Museum and Tony Allen and Philip Commander from the Geological Survey Section of the Mines Department.

Thanks also to Melinda Walker for her great patience and diligence in word processing and to Matt Cavana for drawing the cover illustration of Shothole Canyon.

1. INTRODUCTION

Cape Range National Park encompasses 50 581 ha of the Cape Range peninsula near Exmouth (Figure 1). The Park comprises a heavily dissected limestone range and a fringing coastal plain directly adjacent to part of the proposed Ningaloo Marine Park and south of the Coastal Park (Figure 2).

This draft plan sets out the management intent for the Cape Range National Park. When adopted, it will be used to guide and direct management and development.

Where management intent implies modification of natural resources in either a positive or negative context, the implications are addressed. Natural resources that will not be affected by the implementation of management proposals are generally not described.

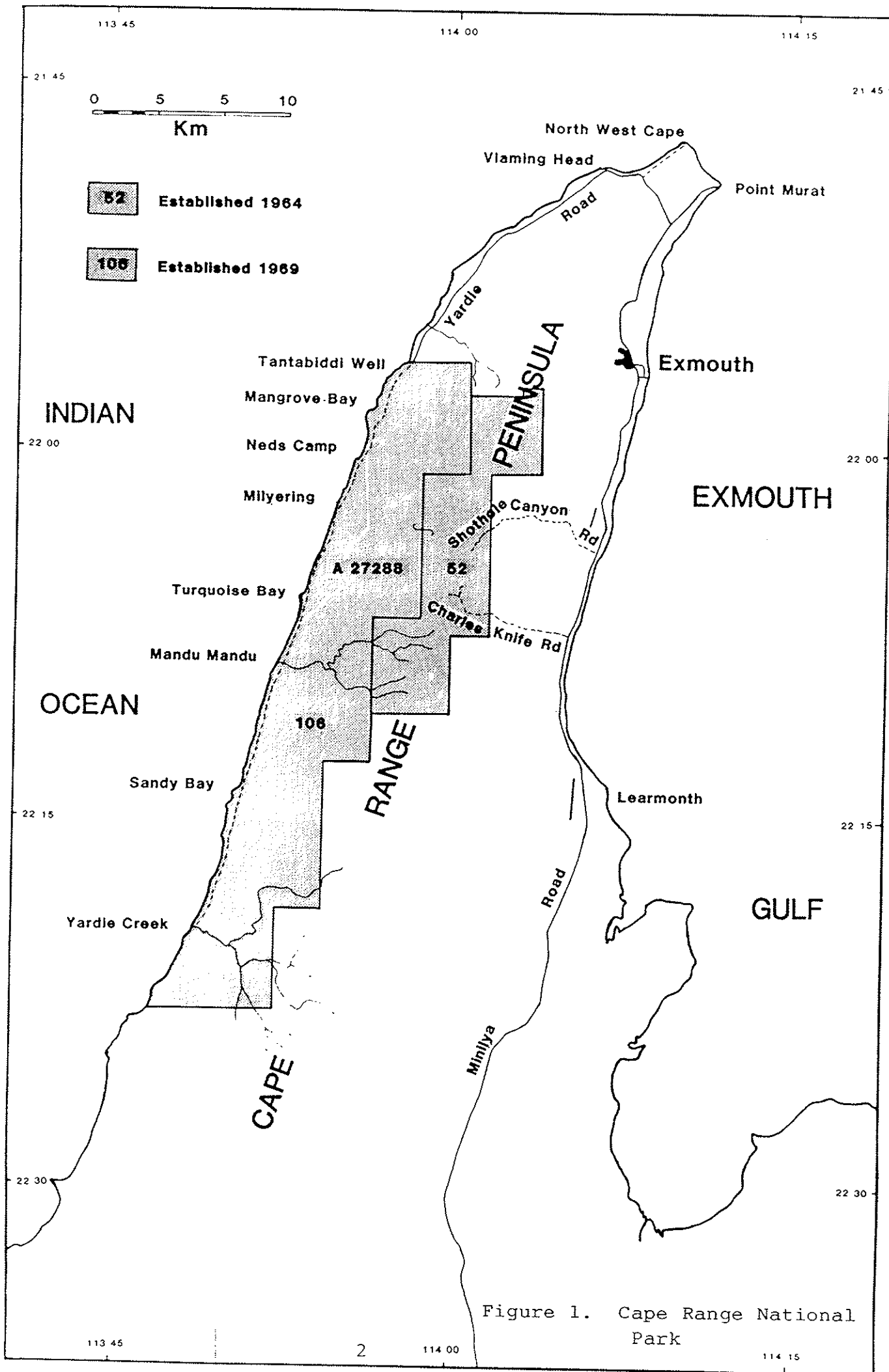
As outlined in the Preface, Cape Range National Park, the Ningaloo Marine Park and the Coastal Park to be jointly managed with the Shire of Exmouth, will be treated as one integrated unit. This will ensure consistency of operations and minimise management costs through use of combined facilities and staff.

2. CONSERVATION AND RECREATIONAL VALUES

The natural resources of the Park have been described in the publications listed at the back of this draft plan. The Cape Range peninsula is exceptionally rich scientifically, culturally, scenically and recreationally.

Scientifically and culturally the area is of considerable significance because:

1. The area is biologically rich with representative flora and fauna from temperate, tropical and arid biogeographic provinces.



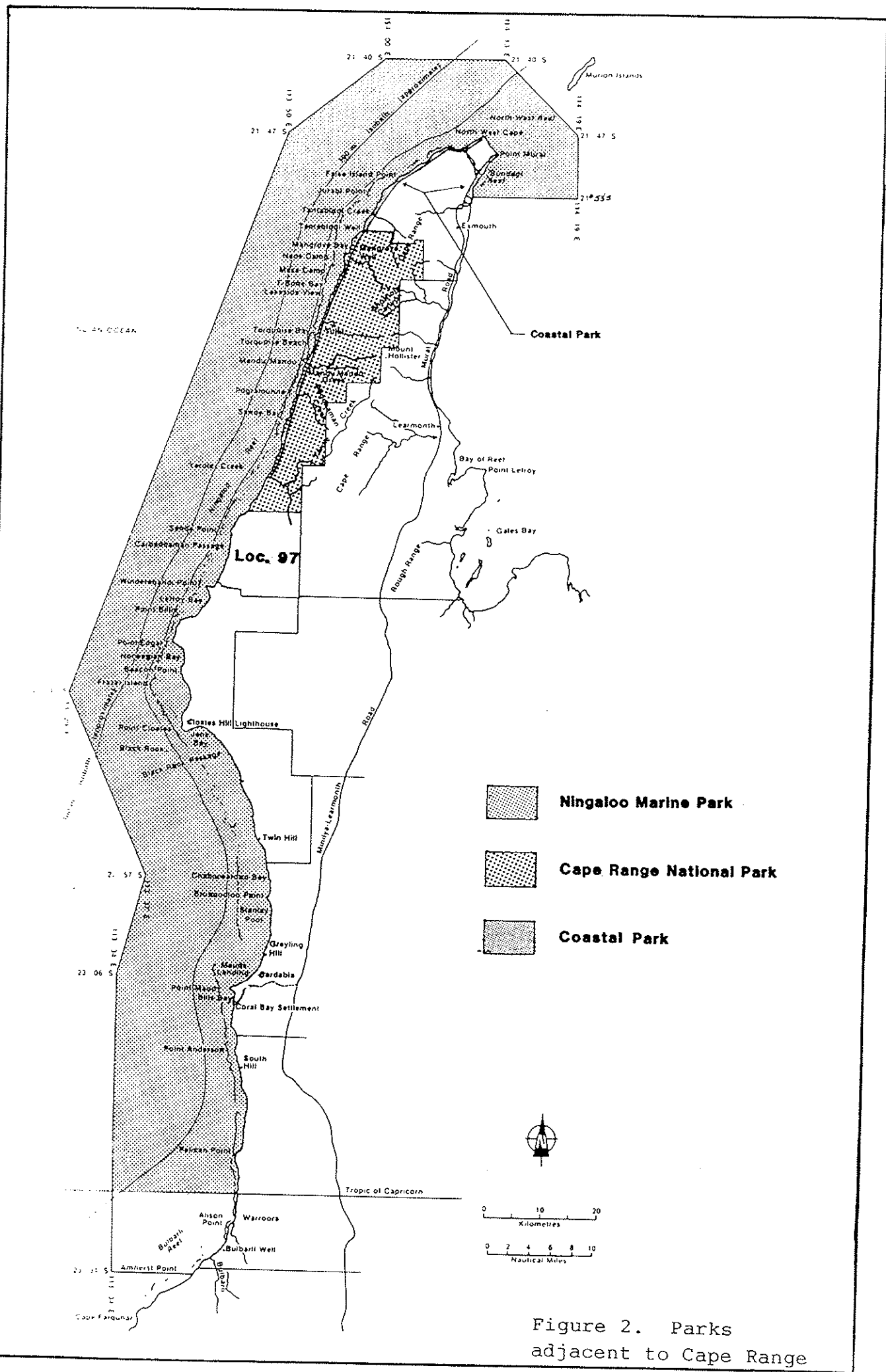


Figure 2. Parks adjacent to Cape Range

2. Many endemic animals present have evolved in relative isolation e.g. reptiles and troglodytic (cave dwelling) species. Animals which have evolved in response to specialised habitats are of great importance to scientists working in the areas of evolution and physiology.
3. The Range is rich in fossils. Although research has not been extensive, discoveries of considerable significance have been made both in and adjacent to the Park. Pleistocene coral reefs representing several periods of coral reef development, provide an unusual opportunity for the study of the reef development process.
4. One of the earliest known sites in Australia of Aboriginal occupation based on a marine economy occurs in the Park. Although sites have not been substantially documented they have the potential to provide a significant insight into regional changes in climate, flora and fauna, and the lifestyles of the Aborigines.
5. The pastoral history, early exploration and regional development of the area are of significant interest to residents and visitors.

Scenically and recreationally the area is important for:

1. The outstanding nature of its landscape. The dissected limestone range with its wide canyons and precipitous ridges, provides a dramatic contrast to the vista of the adjacent coral reef.
2. The variation in landform, variety of vegetation, spectacle of colour in rocks and wildflowers, and abundance of wildlife which attract many tourists to this arid peninsula. These attributes are the mainstay for economic development of tourism in the region.
3. Its proximity to the people of the north-west, both from Exmouth and further afield in the mining and pastoral communities north and east of the area. The cooler summer temperatures combined with relatively protected beaches and safe swimming make this area particularly attractive.

4. Its variety of opportunities for viewing the diversity of native animals and plants.

5. The adjacent coral reef. While many come to the Park for the terrestrial experiences to be enjoyed, others camp along the coast as a staging point for their marine recreational pursuits.

3. HISTORICAL CONTEXT

3.1 Pastoral Use and Mineral Exploration

Pastoral

Thomas Carter was one of the first Europeans to settle in the region when he took permanent residence at Point Cloates on the North West Cape, in 1889. Carter acquired 54 600 ha on the north and western side of the peninsula, and engaged in pastoral activities for 14 years. The property was known as Yardie Creek Station.

In 1907, Carter's holding was subdivided into a number of leases, some of which were again amalgamated in 1933 into a revived Yardie Creek Station. The new property was reduced in area and occupied lands at the northern and western parts of the peninsula, including areas now included in the National Park.

Despite early setbacks of droughts and cyclones, pastoral activities continued and in the early 1960's the land carried on average between 7 000 and 7 500 sheep. These were pastured on the coastal plain as the Range was too rough for stock to graze. A small number of cattle and horses was also held. The lease was surrendered to the Crown in 1959 and reverted to vacant Crown land.

Mineral Exploration

After the discovery of oil at Rough Range in 1953 and subsequent failures to find further reserves in that area, attention was directed to the Cape Range in the late 1950's. Geologists were optimistic that the anticline would yield good reserves of oil.

Road construction through the Range proved difficult and despite three wells, no oil was discovered. Shothole Canyon Road Charles Knife Road and extensive seismic lines are legacies of that early exploration.

In 1980 an exploration well for gas was drilled in the Park south of Neds Camp but it was not successful.

3.2 Establishment of the Park

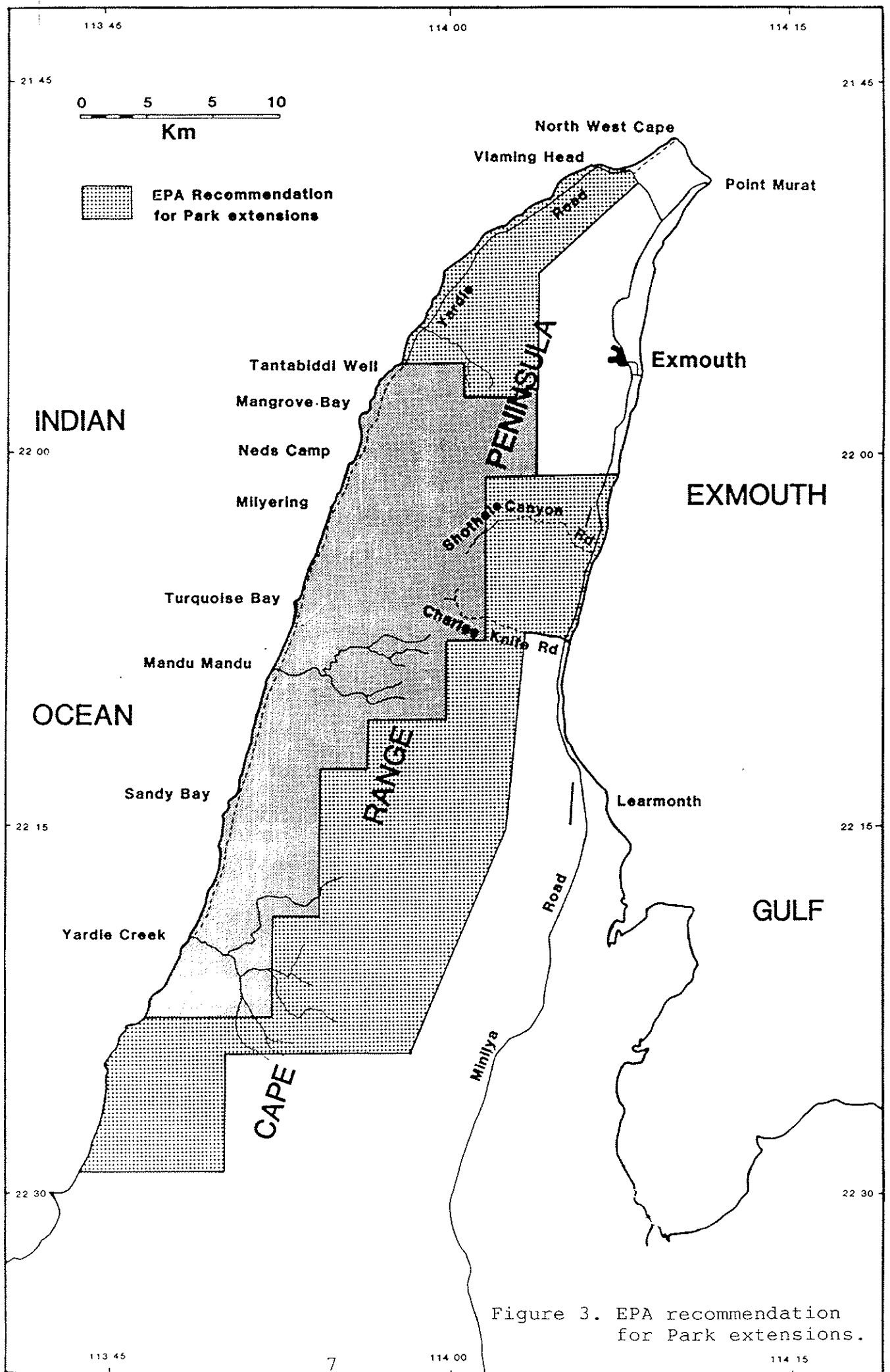
Following a proposal by the Shire of Exmouth, Reserve 28288 (Location 52) was gazetted a class 'C' reserve for the purpose of National Park on October 9, 1964 (Fig.1). The Park covered a small area of only 13 424 ha, its size limited by boundaries of adjoining pastoral leases. The reserve was vested in the National Parks Board in October 1965. Roads initially established by W.A. Petroleum during attempts to discover oil, provided access to the magnificent and unique scenery of the Range.

In February 1968, the Shire proposed that the southern part of the Yardie Creek Pastoral lease from Tantabiddi Well to 6 km south of Yardie Creek, be added to the Park. The area was transferred to the Park as Location 106 in December 1969, increasing the Park area to 50 581 ha.

In 1974, the status of the Park reserve was amended to Class 'A' and it was named 'Cape Range National Park'. NPNCA is now the vesting body, following the replacement of the National Parks Authority in March 1985, when responsibility for management was assumed by the Department of Conservation and Land Management.

3.3 Park Extension Proposals

In 1974, the Conservation Through Reserves Committee (CTRC) recommended to the Environmental Protection Authority (EPA) that the existing Park be expanded to include important features that would incorporate a more representative cross section of the northern, western and eastern coastal areas adjacent to the Park (Fig. 3). The proposed extension included vacant Crown land (formally part of Yardie Creek Station), parts of the Exmouth Gulf pastoral lease not used for grazing and Reserve 31637 at Tantabiddi Creek. The CTRC also recommended that the



EPA prescribe conditions which should apply before exploration may be permitted in the National Park.

The CTRC's report was reviewed and approved in principle by the EPA in 1975 and subsequently endorsed by Cabinet.

When the western area (Location 106) was added to the Park and gazetted as Class 'A' reserve, additional areas to the north, east and south were not included. Lyndon Location 97, on the southern boundary of the Park was acquired by the Commonwealth in 1975 for an RAAF bombing range (Fig. 2).

The National Parks Authority recommended to the EPA in 1976, that it seemed appropriate to extend the Park boundaries to the east so as to include all the gorge scenery in the area covered by pastoral leases, and to the north east along the Cape Range itself.

In the same year, the National Park was proclaimed as Crown Land under the Petroleum Act, thereby allowing exploration for oil and gas within environmental guidelines laid down by the EPA. Despite this proclamation, in 1977 the Mines Department lodged an objection to the proposals to extend the reserve north and east, because the areas were subject to mineral and/or petroleum tenements.

In 1979 Cabinet rescinded the earlier endorsement of the EPA recommendation to extend the Park north from Tantabiddi Well to Vlaming Head, but directed that this area be managed in sympathy with the Park.

In 1981, the National Parks Authority reaffirmed its views to the Minister for Lands that the National Park boundary be extended eastwards and it contended that, provided adequate precautions were taken with limestone extraction for a proposed steel mill, the Park could still be extended.

As part of the Ningaloo Marine Park proposal in 1985 Cabinet endorsed the EPA recommendation that land west of Yardie and east of the Murat Roads be vested in CALM as part of the Marine Park.

3.4 Park Management

From the time that it was first established until the first resident ranger was located in Exmouth in 1974, the Park was managed by an occasional visit from a mobile ranger. Considerable assistance was provided by the district Civil Commissioner in the early years, followed by support from the Shire when it was formed in 1979. The present level of staffing is one resident ranger, with a mobile ranger assisting during the tourist season from April to October, though there has been a dramatic increase in levels of visitation.

Although development has been minimal, limited supplies of bore water are available. Some borehole toilets are provided. Picnic areas, camping areas, walk trails and roads have also been established.

Vegetation on both the coastal plain and the Range is so sparse that fires burn out quickly and do not pose a risk to human life or property. Open camp fires are banned to conserve natural vegetation.

Programs to control goats and foxes have been undertaken. Degraded areas including unnecessary tracks have been closed off and rehabilitation initiated.

4. IMPLICATIONS FOR MANAGEMENT ARISING FROM HISTORICAL USE, MANAGEMENT, PRACTICE, PHYSICAL AND ENVIRONMENTAL CONDITIONS, AND MARINE PARK PROPOSAL

4.1 Historical Use

The effect that Aboriginal occupation has had on park resources is unknown for two principal reasons:

1. The peninsula has undergone dramatic changes in climate during the late Pleistocene and the Holocene periods (i.e. the last 100,000 years). This would have tended to mask any changes that may have been induced by Aboriginal occupation.
2. There is little documentation of Aboriginal occupation of the peninsula.

In contrast, the effect of European settlement, particularly through pastoral use from the late 1880's to the mid 1900's, has been dramatic. Stock, feral animals and weeds have been introduced. Fences, windmills and buildings have been constructed. Vehicle tracks have been established and fire has been used as a management tool. These activities have favoured the invasion of Buffel Grass which has replaced native Spinifex in many parts of the coastal plain, modified wildlife habitats, altered landscape characteristics and caused erosion.

To rehabilitate all areas of the Park in line with management objectives (see Section 5) will require substantial management resources.

4.2 Management Practice

As outlined in Section 3.4 there has been little development in the Park and management has attempted mainly to respond to demands for use and to protect and conserve natural resources.

Camping is restricted to designated sites and some vehicle tracks to sensitive coastal areas have been closed. New roads have opened up a new dimension of opportunities for recreation and development of facilities. This has largely established the future direction of development in the Park and will have the most significant influence on patterns of use.

The main legacy of past management practice is the urgent need for upgrading and in many cases re-locating of facilities including campsites and access roads. Generally, however, past management policies need retention.

4.3 Physical and Environmental Conditions

Most of the Cape Range peninsula and the Park is a heavily dissected limestone range. The Ranges are hot and inhospitable in summer though pleasant and attractive in cooler months. The coast, whilst considerably cooler than the Range due to the influence of sea breezes, is also hot in summer yet in winter temperatures range on average between 14°C overnight to 24°C during the day.

The Park includes two major physiographic units (Fig.4) possessing very different opportunities for recreation:

1. The coastal plain where major access camping and other facilities be located.
2. The dissected Range where access is limited to only two roads and a number of walk trails.

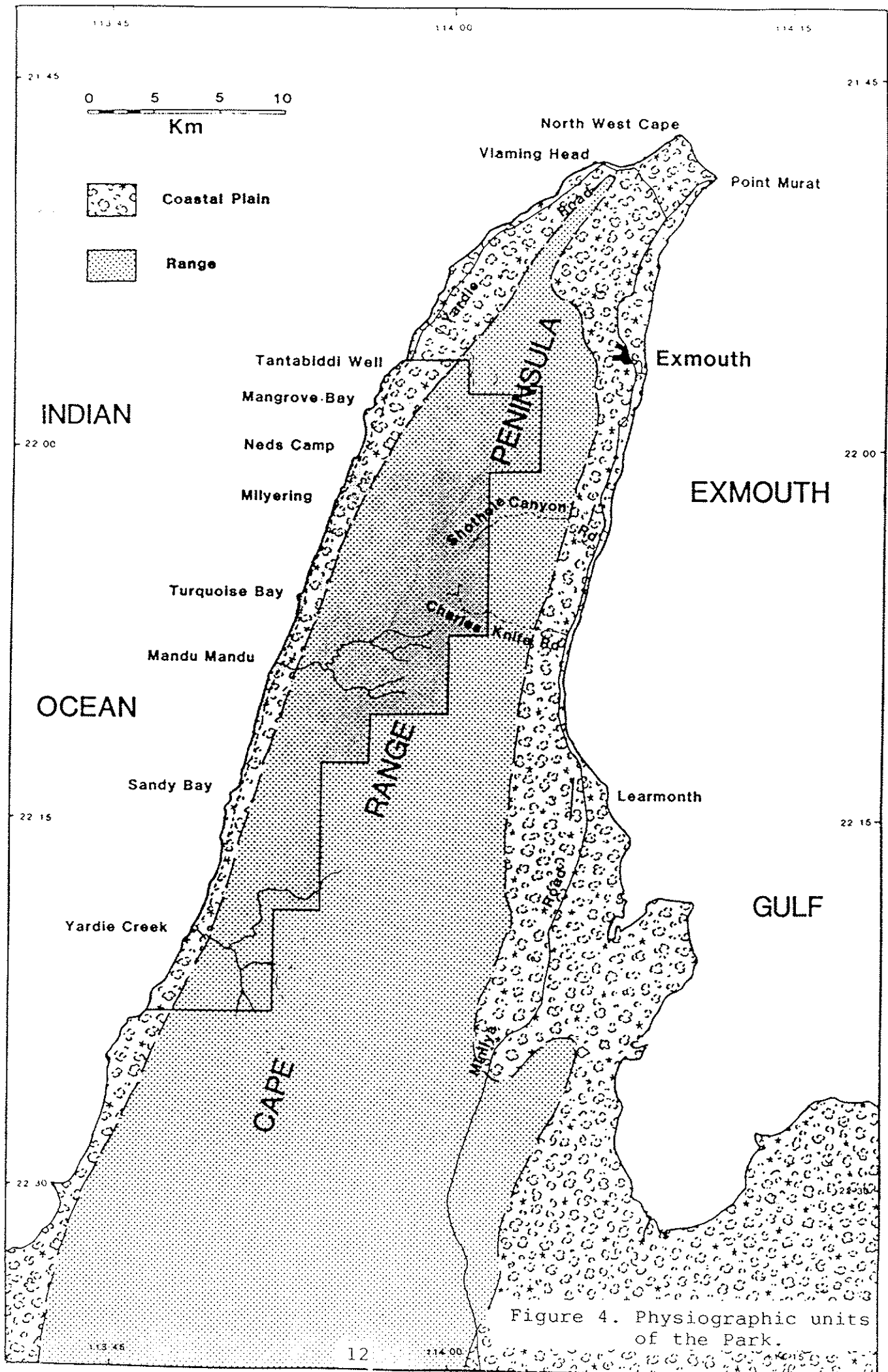
The implications for management are twofold:

1. Intensity of use will be high in the cooler "winter" months, and low in summer, with most development occurring on the coastal plain. Staff requirements will need to reflect these factors.
2. Visitors need to be aware of natural hazards and how to prepare for a trip. Management will need to provide and disseminate information on this aspect, establish search and rescue protocol and provide appropriate training and equipment.

4.4 Marine Park Proposal

The proposed Marine Park will extend for around 260 km of coastline from north of Exmouth around the south Cape to Amherst Point and seaward for about 10 nautical miles (see Fig.2). The land component will include coastal sections of pastoral leases, defence land and Crown land.

The proposal to establish the Ningaloo Marine Park has already had a major bearing on management of Cape Range National Park. This is particularly true of the heavily used near shore area of the coastal plain. Most of the pressure for development of visitor facilities in the Park will arise from people seeking to visit the Marine Park. Current road development should therefore seek to accommodate the additional traffic and the new visitor centre complex to be constructed at Milyering should meet the orientation requirement of Marine Park users.



5. MANAGEMENT OBJECTIVES

Management objectives derive from the purposes and uses of National Parks as defined in the CALM Act 1984 and from departmental policies for management. Objectives fall into two categories:

1. general objectives relating to the purpose for which the land is reserved.
2. specific objectives applicable to a particular park.

The Conservation and Land Management Act (1984) requires that management plans of national parks incorporate as an objective, the purpose for which the land is vested i.e., "to fulfil as much of the demand for recreation by members of the public as may be consistent with the proper maintenance and restoration of the natural environment, the protection of indigenous flora and fauna and the preservation of any feature of archaeological, historic or scientific interest".

Management proposals specify the intent of management and the strategies to achieve and implement those objectives.

Specific management objectives for Cape Range National Park are to:

1. Protect and conserve native plants and animals and their habitats.
2. Protect and conserve physical, cultural and scenic resources.
3. Provide opportunities and facilities for appropriate public recreation.
4. Regulate use to be consistent with the maintenance and protection of natural resource values and to minimise conflict between uses.
5. Promote visitor safety, awareness and appreciation of natural processes and the scientific and cultural attributes of park resources.
6. Provide information, education and interpretive programs.

7. Maximise contact between visitors and staff.
8. Maintain scientific reference areas.
9. Conserve and protect groundwater resources.
10. Control vertebrate pests and noxious weeds within the Park.
11. Restore natural conditions which have been altered by past and inappropriate management.
12. Contribute to the cultural, economic and social development of the community.
13. Integrate management of the Cape Range National Park, with the Ningaloo Marine Park and with the Coastal Park north of the Cape Range National Park.
14. Incorporate additional environments and landscapes into the Park to enhance the representitiveness of the Park estate.

6. MANAGEMENT PROPOSALS

6.1 Roads and Associated Development

Vehicle access is one of the key issues affecting management control and development of the Park.

6.1.1 The Coastal Plain

Vehicle access on the coastal plain began with early pastoral use. Tracks wandered along the coast but were largely replaced by straight seismic lines constructed during petroleum exploration in the 1950s. Subsequently a coastal road was developed from Vlaming Head, as far south as Ned's Camp. A further 3 km was constructed in 1980 to accommodate the establishment of a petroleum exploration well. From this point the Yardie Road deteriorates to a track, which is occasionally graded by the Shire following maintenance of the Vlaming Head - Ned's Camp section. This road and track provide the only access

to camping areas and places of interest along the coast and the foot of the Range north of Yardie Creek.

Access to the Park from the south is by a station track which runs north through Ningaloo Station and the Defence Department land to the southern portion of the Park below Yardie Creek. Yardie Creek forms a barrier preventing traffic between the north and south coastal parts of the Park, except for 4WD vehicles which may cross the sandbar at the creek mouth, when conditions permit.

Tourist road funds have been acquired from the Main Roads Department (MRD) for a complete re-design and relocation of the Yardie Road between Tantabiddi Well and Yardie Creek. A road of curvilinear design is being built along the base of the Jurabi Terrace, up to 500 metres inland from the existing track and away from low lying samphire flats. It takes advantage of the rise in elevation and provides views of the sea which cannot be obtained from the present track, except through occasional breaks in the dunes.

The new road was designed to have minimal visual impact and incorporate construction specifications and design standards established for roads in national parks. Disturbance widths have been kept to a minimum in keeping with resource conservation objectives for the Park. Pre-construction assessment for flora, geological features and archaeological deposits has been carried out.

The program has been staged in sections to take maximum advantage of funds available each year from the MRD. The Shire of Exmouth also seeks MRD funds and carries out construction. The MRD assisted greatly by surveying the alignment to provide constant radius curves thus ensuring that the road will meet standards required for bitumin sealing.

An agreement was reached in 1984 between CALM, the Shire and MRD, which enables the Shire to claim annual maintenance grants for all road maintenance in the Park.

Proposal

It is proposed to continue the program in stages, until a new road runs from the Park entrance (Tantabiddi Well) to Yardie Creek. From the Park entrance to Pilgramunna the road will be aligned mostly inland of the existing track. From there southwards, it will predominantly be a minor realignment following the existing track (Fig.5).

Short spur-roads to points of interest on the coast will be constructed in such a way that they do not interfere with maintenance of coastal features. Following completion of the new road, those portions of the existing coastal track no longer required will be rehabilitated.

The track south of Yardie Creek will not be upgraded nor is there any intent to bridge Yardie Creek. Its future management hinges to a large extent on proposals yet to be formulated for Ningaloo Marine Park.

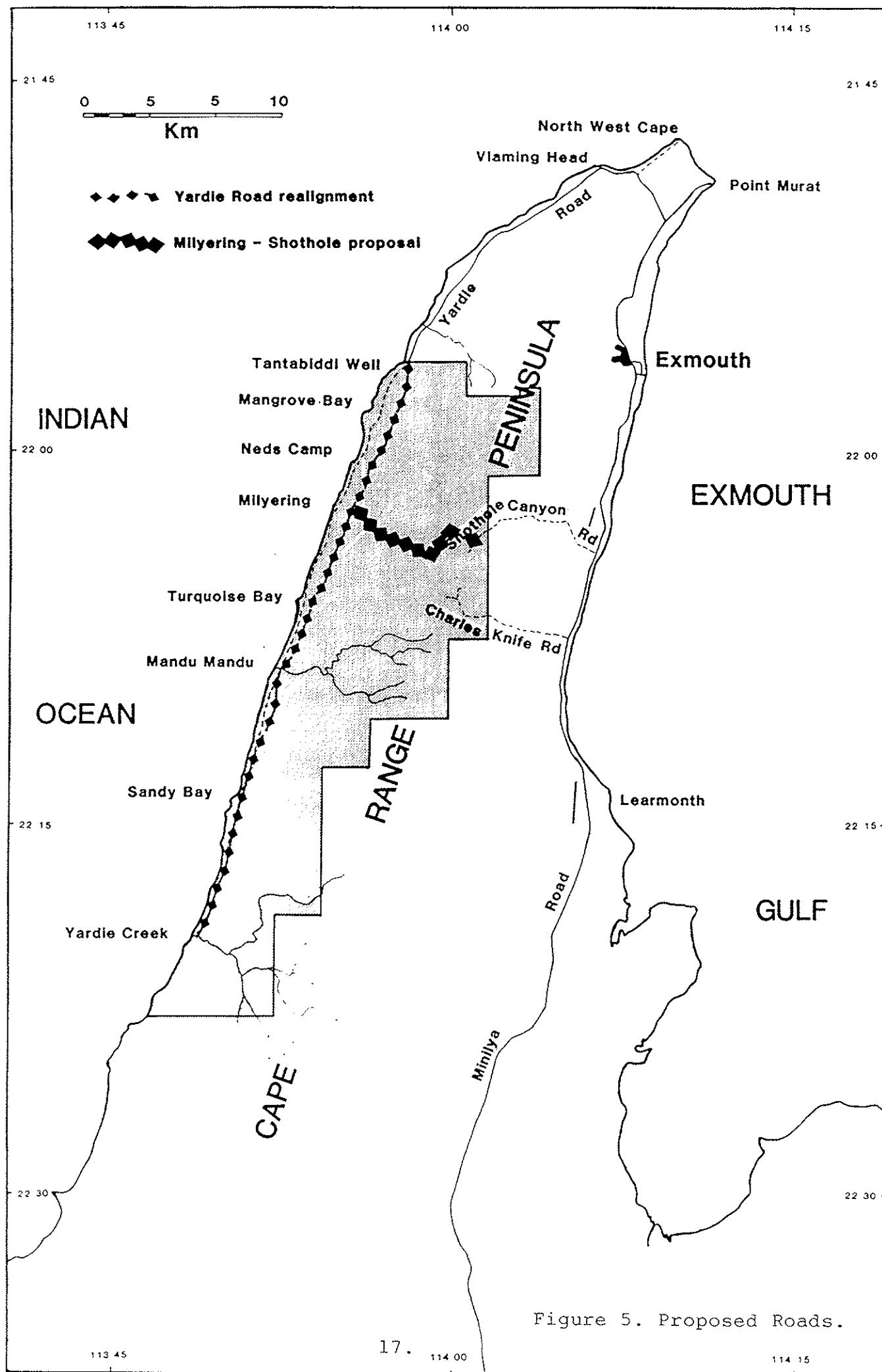
Sealing of the road will continue from the Park entrance to Mandu Mandu. An evaluation will be made to ascertain if sealing further south is warranted, though this is not likely to occur in the period of this plan.

6.1.2 The Range

Two scenic roads (Shothole and Charles Knife) and a 4WD track (Learmonth to Sandy Bay) provide access into the Park from Murat Road on the eastern side of the Range.

Shothole Road follows the bed of Shothole Canyon through richly coloured limestone formations. In sharp contrast, Charles Knife Road twists its way onto the plateau via narrow ridges towering over precipitous canyons. It has a spur road leading to the Thomas Carter Lookout, where a walk trail leads north to link up with the terminus of Shothole Road.

The Learmonth to Sandy Bay track is the only track traversing the Range. It provides an important recreation component with its relative isolation, providing visitors with the experience of remoteness.



Proposal

Existing roads will remain as they are except for Charles Knife which will be sealed up to the plateau. The Learmonth-Sandy Bay track will not be maintained, in order to preserve the recreation values mentioned above.

A new road over the Range, linking Milyering to Shothole Canyon, has been planned (Fig. 5). Construction should follow completion of the Yardie Road realignment, possibly beginning around 1991. Should engineering or other difficulties be too great to link the road into Shothole Canyon, it could be linked to the end of Charles Knife Road although the preferred link is to Shothole for the following reasons:

1. It gives widely contrasting perspectives by siting one section on the bottom of the canyon and the other on the ridge top.
2. It provides a closer link to Exmouth than via Charles Knife.
3. It avoids directing a substantial increase in traffic on to the very narrow Charles Knife Road which would create safety problems.

Detailed investigation of this proposed alignment will take place during the period of this plan.

6.2 Operations Centre at Milyering

Although the Ningaloo Marine Park will extend north and south of the Cape Range National Park, many facilities will be shared and the management of both parks will be integrated to maximise efficiency of management operations. An evaluation of suitable sites for an operations centre has been made between Exmouth and Yardie Creek. Milyering has been chosen as the most effective point from which park operations can radiate and where visitor facilities can be provided. Other sites on the coastal plain were inferior in physical and other characteristics.

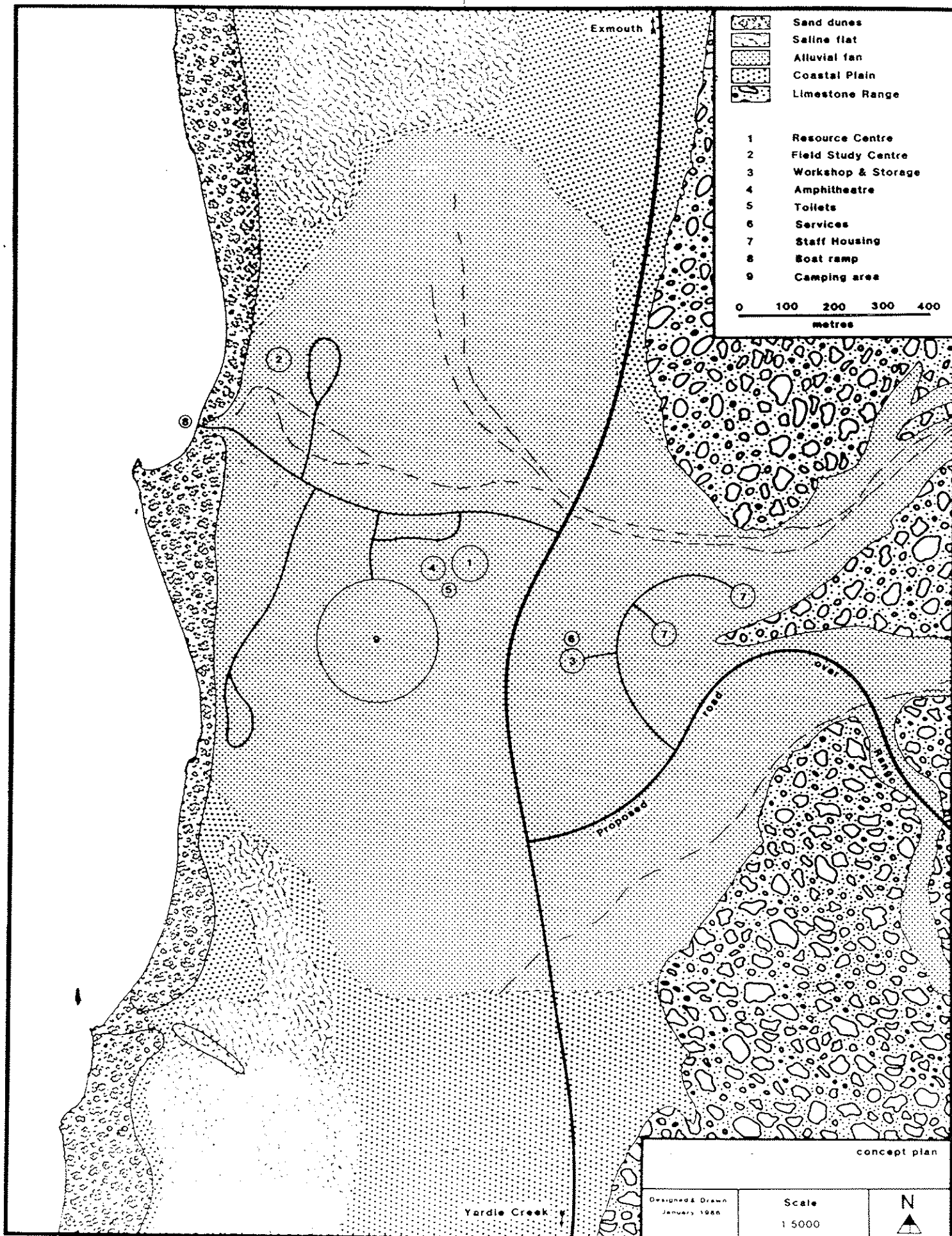


Figure 6. Operations Centre at Milyerling.

Proposal

1. A Visitor Resource Centre, Field Study Centre and associated facilities will be developed at Milyering (Fig.6) with funds provided through the auspices of the Australian Bicentennial Authority.
2. CALM will install facilities for staff and operations at Milyering. Associated with this will be a centre for park visitors incorporating information, interpretation, field study and other facilities (Section 6.5).

6.3 Camping Areas

The Ningaloo Reef is becoming such a popular recreational area that in the peak of the winter season there may not be enough camping sites. This is true of the coastline within the Cape Range National Park as well as coastline further south. There are currently about eighteen locations along the coast within the National Park where camping occurs. The capacity of individual camp sites ranges between about 20 units (Neds Camp) to single unit sites. Overall, the maximum camping capacity at any one time is around 70 sites for the whole Park.

All camp sites are located in dune areas, and in or next to creek beds. Although all have basic amenities such as rubbish bins, only four sites have toilet facilities. Furthermore, there is little or no potential to provide shade and shelter at these sites as there is only rock and nutrient-poor sand. Many sites are visually intrusive.

As a general principle, it is assumed that most park visitors will be accommodated in Exmouth. Camping facilities within the Park will be low-key and provided with only the most basic facilities.

Existing camp-sites are popular with a category of visitors seeking relative isolation and solitude, as well as direct access to the resources of the adjacent reef and waters. It is important that these sites are maintained as far as possible but competition for them will intensify as visitor numbers increase. Some additional sites will be required.

Proposal

1. Some visually intrusive or poorly located existing sites will be phased out or converted to day-use areas. Others will be retained as basically unserviced camp-sites (i.e. only toilets and rubbish bins will be serviced).
2. Several new camping areas will be created, some where alluvial soils occur and native shade trees may be grown. These sites may be provided with flushing toilets, ablution blocks and potable water. In the term of this plan, two such camping areas will be developed, one at Ned's Camp and one at Milyering.

6.4 Launching Ramps

Other than at Tantabiddi Creek, where a concrete ramp exists, launching and retrieval of boats takes place across beaches. This method is generally suitable for boats up to 5 metres in length, although low tides together with nearshore rock platforms can affect the times that such operations can be undertaken.

The most suitable beach launching sites in the Park are at Ned's Camp, Lakeside and Pilgramunna.

Existing and potential launching sites will be evaluated and where appropriate, improvements made. Fixed concrete ramps give rise to problems of sand accretion, so other types of ramps that can be adjusted to suit changing beach conditions will be investigated.

Proposal

Launching ramps will be installed at Neds Camp and Milyering. Other sites may be evaluated and ramps installed during the life of this plan.

6.5 Interpretation Sites and other Day-use Facilities

6.5.1. Interpretation

At present, limited information on park resources is provided at the Tourist Bureau in Exmouth and at an information shelter at Tantabiddi Well.

It is proposed that information and interpretation facilities in the Park be substantially upgraded and that they deal with the Cape Range National Park, the Ningaloo Marine Park and the Coastal Park. The basic concept is that information and interpretation should be given on the natural history and ecology of the marine and terrestrial environments.

The major centre for interpretation facilities will be at Milyering which will cater for visitor reception, orientation and education. In addition, there will be on-site information and interpretation material located at the site of various features of interest.

Proposal

1. There will be an information-education-resource centre at the Milyering complex with static displays on coral reef and terrestrial ecology themes, resource materials for identification of and information about marine and terrestrial wildlife, facilities for natural history studies, information about the features of both terrestrial parks, the Marine Park and visitor facilities.
2. At Yardie Creek, interpretation programs will be developed dealing with a range of features including the estuary, the gorge, rock-wallabies, aboriginal middens, a fresh-water pool, and fossil coral reefs. A number of walk-trails will be developed here to provide access and guidance to these features.

3. At Mangrove Bay, a board-walk through the mangal (i.e. mangrove habitat) will be installed with interpretation programs on mangal ecology, water-birds, and the fossil coral reef.
4. Interpretation programs for other features will be developed at other points of interest between Tantabiddi and Yardie Creek.
5. Subject to adequate funding being available, trained staff will be on-site at the Milyering Centre and the secondary centres at arranged times, to conduct interpretation programs and be available to assist and advise visitors on use of the interpretive facilities.

6.5.2 Fauna Observation Sites

Wildlife is a feature of the Park, especially kangaroos, rock-wallabies, emus, giant lizards and a variety of parrots, finches and other birds. City and overseas visitors may see these peculiarly Australian creatures in abundance in the Park. This is of major importance as an alternative activity for people using the resources of the adjacent Marine Park.

Proposal

Special observation points will be established where visitors, including tour groups, may expect to see wildlife. These may include artificially constructed wildlife watering places. Siting and design of these areas will be carefully planned to ensure that the animals and habitats are not widely disturbed and interpretive programs will be developed.

6.5.3 Other Day Use

Until now few facilities have been provided in the park due to staff and financial constraints, although day-use facilities such as parking areas, picnic tables, information (including signposting), toilets and walk trails have been provided at some locations.

Although some new low-key camping facilities will be provided within the Park, day-use is likely to increase markedly as more sophisticated tourist accommodation resorts are expanded in Exmouth. It follows that the provision of day-use facilities in the Park will need to be expanded.

Proposal

A primary aim of management is to encourage visitors to leave their vehicles and experience, as fully as possible, the features of the Park. To encourage this, some current facilities will be upgraded and new ones provided. Parking and picnic areas will be up-graded at selected points along the coast, especially locations associated with boat-launching access and the secondary interpretive centres. Day-use of camping sites will be discouraged as much as possible.

6.6 Rehabilitation

Both management staff and park visitors need to be mindful that the Cape Range peninsula is one of the most arid environments in Australia; rainfall is low and variable, land forms highly susceptible to degradation and erosion, and plant growth is slow. This means that visual impairment of the landscape and destabilization of coastal dunes can occur easily, resulting in a serious loss of amenity and loss of use of resources, particularly on the coast, where rehabilitation is a protracted, difficult and costly exercise.

Several tracks to the coast have already been closed off. Many are still very visible more than 10 years after closure. Mining and exploration tracks established in the 1950s are also visible in many areas.

The existing track to Yardie Creek poses the largest single problem for management. It transgresses low lying samphire flats, has a number of unplanned spur tracks leading off it and provides little amenity to visitors.

Proposals

1. Vehicles will only be permitted to travel on approved roads and tracks and camping will be permitted only at approved sites.
2. Unused tracks, damaged dunes, borrow pits, or other disturbed areas will be rehabilitated according to the Department's rehabilitation policies and procedures. Where possible, the disturbed areas will be prepared, to encourage natural regeneration. Where this is not possible and vegetation must be re-introduced, only plants naturally occurring in the area will be used.

6.7 Fire

Arid environments are equally sensitive to fire as are temperate environments. The post-fire recovery time for vegetation and fauna can be very long. Sometimes many years are needed before the full species diversity and abundance are restored. An increased frequency of fires brought about by deliberate lighting usually brings about vegetation changes which can mean loss of specific habitats, together with associated specialized fauna.

On the coastal plain, burning by previous pastoral use has changed the grassland in some areas of the Park from one dominated by *Spinifex* (*Triodia*) to one dominated by Buffel (*Cenchrus*), an introduced species. While this may be a legitimate practice in the pastoral industry for promoting fodder, the application of fire regimes which favour introduced plants and alters or destroys natural vegetation is inappropriate in a national park.

Vegetation is generally sparse in the Park, and on the coastal plain does not readily sustain fires. Fires from the Range thus do not easily spread to the plain as they are inhibited by the sea breeze and by steep slopes. Nevertheless, camp fires have been banned in the Park for many years, to discourage the use of native vegetation as fuel by campers.

Proposal

1. In the Range, where deep canyons and narrow ridges make access for the most part, impossible, and where fires pose no threat to life and property, limited if any action will be taken to extinguish fires, to reduce fuel loads by burning or to construct firebreaks.
2. On the coastal plain, no fuel reduction burning will be undertaken and no firebreaks will be constructed. The new coastal road and associated spur roads will be used as lines of containment in the event of a fire, should that occur. It is most probable however, that any fire will be contained without the need for suppression, due to lack of fuel. Nevertheless, two slip-on units will be stationed at Milyering for use by rangers to ensure that vegetation damage is kept to a minimum.

6.8 Safety

6.8.1 Walking

The Cape Range area is scenically very attractive and mostly safe to those who seek to discover its delightful wildflowers and sense of isolation in winter. In summer, however, temperatures sometimes exceed 50°C and dehydration can quickly overcome the unprepared or unwary, with fatal results. Other hazards to visitors include unstable rock formations in the canyons, fires, cyclones and of course snakes and biting insects. A potential problem will be injuries from falls and people getting lost.

Proposal

Literature and direct advice to the public pertaining to search and rescue plans and emergency procedure protocol will be provided, together with prominent special advice to carry adequate water. Walking in summer will be discouraged. A cyclone evacuation plan will be prepared.

6.8.2 Speed Restrictions

Although the new Yardie Creek road will enable speed to be attained in an emergency, it is being constructed in a series of alternating curves through the scrub and grassland. Consequently the length of road visible to occupants of vehicles will be limited, reducing the tendency to drive fast.

This is important as the Park is renowned for and abounds with kangaroos, principally Euros (Macropus robustus isabellinus) and the Red Kangaroo (Macropus rufus) which are accustomed to vehicles and quite often fail to move from the roadway, or jump from roadside vegetation across the path of vehicles.

The fact that visitors can so closely approach these wonderful animals from the road is a precious asset, with a demonstrated tourist potential. It is appropriate therefore that speed restrictions re-enforce the road design objectives and control speeds at levels which will protect the animals from unnecessary collision with vehicles.

Proposal

Vehicle speeds in the park will be limited as follows:

Yardie Road	60 kilometres per hour
Spur Roads to the Coast	40 kilometres per hour
Shothole Road in the Range	40 kilometres per hour
Charles Knife Road	40 kilometres per hour
Other tracks	40 Kilometres per hour

6.9 Feral Animal Control

Goats, foxes and cats have created sufficient management problems to warrant control programs. Agricultural Protection Board officers have laid '1080' baits in the coastal dunes each year during the turtle nesting season, which has reduced fox numbers, but it is not known whether this program has been effective in reducing feral cat numbers.

Goats probably constitute the major feral animal problem in the Park through their vigorous grazing habits, and through erosion from their tracks. Large groups can be seen in the Range and sometimes on the coastal plain, especially in summer. Their numerous tracks disfigure the landscape and are evident throughout most of the Range. Some are trapped each year at Yardie Creek and trucked out.

The effectiveness of the current, and future feral animal control program will be constrained by the ruggedness of the Cape Range as access is extremely difficult.

Proposal

1. The baiting program for foxes will continue as it is essential for the maintenance of turtles. It will be monitored to determine changes to baiting programs if required.
2. The goat trapping program will continue, and be expanded and modified to take advantage of favourable trapping conditions such as drought.
3. Other techniques for control will be investigated and employed where effective and appropriate.

6.10 Archaeological and Palaeontological Sites

The Cape Range peninsula has a number of sites containing evidence of earlier Aboriginal occupation. Most known sites are on the coastal margins where the open terrain would have been easier to traverse than the rugged Range, and where sources of food and water would also have been more accessible.

There are many shell middens in coastal dunes and there is evidence of occupation beneath rock overhangs and in caves in the foothills and in the Range.

Western Australian Museum staff have undertaken a number of limited surveys in the Park, however, it is obvious from their preliminary investigations that more investigative work needs to be carried out.

Radio carbon dating of shell material in coastal dunes has indicated dates of 6-7000 years before present (B.P.). The most significant dating has been that of 25200 (± 250 yrs) years B.P., of material excavated from an escarpment rock shelter. The age of this Aboriginal site makes it the oldest known of a community based on a marine economy in Australia.

The fossil record of Cape Range is also important (despite the relative lack of research) for its fossil linkages between Australian and Indonesian marine faunas in both macro and micro palaeontology. The Late Pleistocene and Miocene echinoids are particularly significant. Younger marine fossil material includes extensive deposits of corals and molluscs. Range top caves contain valuable terrestrial fossil material from species such as the Tasmanian Tiger (Thylacine).

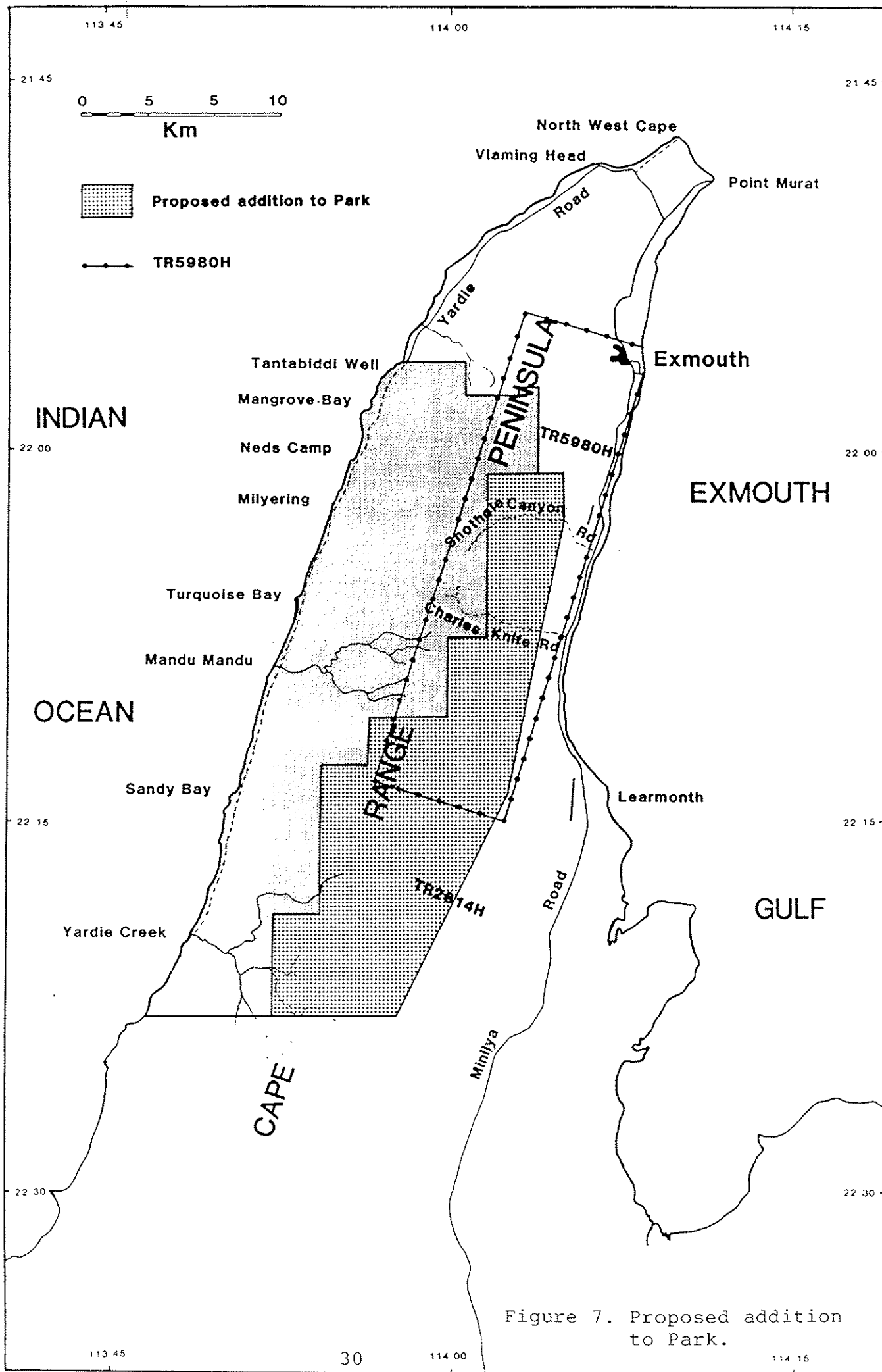
Proposal

1. Management proposals including the development of new camping areas, walk trails and interpretation sites, will be investigated in the planning stages for the presence of Aboriginal sites or fossil material. The significance of any sites found will be evaluated and if necessary, modification of development proposals will take place.
2. Further research will be encouraged and funds will be sought.

6.11 Park Extensions

In the past, proposals for extending the park have been made. These are outlined in Section 3.3 and illustrated in Fig. 3. The proposals have been based on:

- 1) Incorporation of representative landform and conservation units of the Cape Range Peninsula.
- 2) Rationalisation of management related to recreation and tourist use of the area.



- 3) Protection of the variety of scenic attractions to ensure the commercial viability of tourist development in Exmouth and the region.

The original pastoral lease boundaries, which largely dictated National Park boundaries, often enclosed areas of no pastoral value, such as the north-west portion of the Exmouth Gulf pastoral lease which comprises extremely rugged terrain. Conservation and recreation values of the area are now being recognised. The discovery of Thylacine fossil material within the proposed extension area is one such example.

The existence of temporary reserves for mining (TR5980H and TR2614H) and several mineral leases within the proposed extension is not an impediment to inclusion of that area in the Park as portion of TR5980H and petroleum exploration tenements already occur within the Park (Fig.7).

The addition of the land delineated in Figure 7 would incorporate some of the most scenic areas which most visitors to the peninsula assume are part of the Park. It would also incorporate the complete catchments of the more important westward flowing watercourses and a physiographic unit in the Park which is highly fossiliferous and therefore of considerable scientific importance. Moreover, recreational use could be provided for and managed in a positive and complete way to ensure that values and opportunities are retained in the long term.

Proposal

The Park be extended eastwards as delineated in Figure 7 to include:

1. That western portion of Exmouth Gulf station in the Range which is neither used nor viable for pastoral use.
2. Vacant Crown land encompassing heavily dissected and therefore most scenic areas along the range-top and eastern escarpment. (The small water reserve adjacent to Charles Knife Road should remain).

6.12 Research

Individuals and groups from various institutions have undertaken research in the fields of geology, geomorphology, palaeontology, archaeology and hydrology. Recreation, biological and botanical surveys have also been made.

Research fulfils an extremely important function by increasing our understanding of the past and present processes in the area, identifying natural resources and assessing their value. A more immediate research requirement, however, is the determination of impacts of visitor use and management proposals on natural resources. Research is needed to provide a knowledge-base to ensure that particularly valuable resources are not degraded or lost unintentionally and to promote informed management judgements.

The proposed facilities at Milyering will undoubtedly provide more incentive for researchers with interests in the Park.

Proposal

Research by other agencies and individuals in the Park will be encouraged provided that it conforms with management objectives. Tangible support may be given to projects which increase the knowledge of Park resources and their management requirements, provide guidelines to management for limiting its impacts and which are not disruptive to Park use.

7. MANAGEMENT STRATEGY

7.1 Administration

Cape Range National Park, Ningaloo Marine Park and the Coastal Park are to be managed and administered as a unit.

The administrative centre for the parks will be located in Exmouth, where an office combined with an information centre will provide first contact orientation and information to prospective park users. The visitor centre at Milyering will function as the meeting place for both

Cape Range and Ningaloo, from where visitors will orientate themselves and proceed to points of interest. Management operations for all parks will be based predominantly at Milyering, and some staff will reside there.

The District Manager will work from the office in Exmouth and will be responsible for day to day administration of and operations for CALM lands in the Gascoyne Region. In turn, the District Manager will be responsible to the Regional Manager located in Geraldton.

7.2 Staff

The current deployment of staff for Cape Range and Ningaloo provides; a district manager based in Exmouth, one park ranger residing in Exmouth and a mobile park ranger located on the west coast during the 'winter' season (April-October).

Staffing proposals have been formulated on a minimum-needs basis. The success or failure of Cape Range and more particularly Ningaloo, hinges on a minimum of suitably qualified and experienced staff being appointed.

Minimum additional staff requirements to service Cape Range, Ningaloo and the Coastal Park in the northern sector are:

One reserves management officer

One interpretive officer

Seasonal wages staff

7.3 Budget

While maintaining sound park management practices, much of the Park development will rely on the initial boost provided by the Bicentennial grant for Ningaloo. This funding will enable the establishment of the Milyering visitor centre incorporating interpretive, information and field study facilities. There is a requirement also for on-going funds for management and servicing of park facilities, employment and training of staff, and provision of support facilities.

Camping fees and fees for other uses of park facilities will be set at realistic levels in order to offset to some extent on-going management costs (see 7.5).

Well directed education and information programs generated from the Milyering centre should assist management of all parks and the costs of these programs should be offset by reduced costs of park management.

The expansion of visitor numbers will be monitored and successive budgets framed accordingly to ensure management objectives are met.

7.4 Implementation

Implementation of the plan and development of park facilities will occur on several levels.

1. Pre-existing and on-going programs of management and development will be completed (providing that the operational planning review does not indicate necessary changes to a program).
2. An operational planning review will be conducted. New proposals indicated will be progressively implemented as management capability and availability of funds permit. Of priority is operation of the Milyering complex, particularly the visitor centre and associated facilities.
3. Staff acquisition and training will take place in accordance with priorities established by CALM. However, the critical dependence on staff for the successful management of Cape Range and Ningaloo cannot be overstated.
4. A program of periodic reviews of operations will be an on-going requirement of management as the Park develops.

7.5 Strategy for Funding Park Management

The existing policy of charging for camping will be continued.

A policy of levying charges for conducted interpretive activities within the park will be pursued.

Agreements will be entered into with outside institutions, organisations and commercial tour operators which seek use of the information centre, staff services and camping facilities on a regular basis. These agreements should detail matters such as frequency of usage, charges for use and levels of service required. The normal requirements of prior approval supported by permit(s) where appropriate, will apply.

8. MANAGEMENT INTEGRATION OF CAPE RANGE AND NINGALOO

The establishment of the proposed Ningaloo Marine Park is expected to affect Cape Range National Park considerably by increased visitation and pressure for development of facilities. As more of the international and Australian public become aware that Western Australia has a rich, diverse and accessible coral reef on the north-west coast, which abounds with marine life, visitor numbers and hence management pressures will increase significantly.

The two parks complement each other by providing alternative recreational opportunities. When land temperatures are uncomfortably high, it is possible to cool off in the sea and when the weather is too rough for boating, it is usually because of strong cool sea breezes which make it possible to pursue activities on the land. Most of the pressures will, however, fall on the terrestrial environment, for it is there that people eat, sleep, ablute, seek information and obtain access to the marine environment.

It is therefore intended that the two parks be managed integrally to increase efficiency of management operations. Although the Marine Park is some 200 km long, stretching both north and south of the Cape Range Park, most of the facilities provided will be located between Tantabiddi Well and Yardie Creek. Here, many natural features of attraction exist. This sector is relatively close to Exmouth, where the majority of visitors will stay and it is adjacent to some of the most accessible parts of Ningaloo Reef.

9. IMPLICATIONS FOR NATURAL RESOURCES ARISING FROM MANAGEMENT PROPOSALS

9.1 Water Resources

The water resources of the western side of the Cape Range are very limited. The terrain which is extremely porous is not capable of holding large water reserves. The major resource is a thin lens of varying quality groundwater sitting over brackish water. Currently, old pastoral wells and bores are used to exploit this fragile aquifer which varies in salinity between 1,200 p.p.m. and 6,000 p.p.m. (which is generally too salty for human consumption).

Apart from being important to terrestrial animals and birds of the area. The aquifer is known to be the habitat of endemic species of aquatic fauna such as the Blind Gudgeon (Milyeringa veritas) and the Blind Cave Eel (Ophisternon candidum). It is considered important therefore, that the integrity of the aquifer is maintained. Waste disposal and abstraction will have to be carefully managed.

A water harvesting program is being developed to meet visitor demands, however, because of the complexities and limitations outlined, the provision of potable water and water suitable for ablution will be costly and therefore a policy of minimum water usage will be adopted throughout the Park.

9.2 Vegetation

Vegetation in the Cape Range peninsula is mostly a shrub steppe, dominated by wattles and eucalypts with a lower storey of small shrubs and spinifex. In many areas there are spinifex grasslands, which are extremely important to wildlife, particularly on the coastal plain where there is a mixed association with the introduced Buffel grass.

The peninsula is a zone of biogeographic overlap, containing species from temperate, arid and tropical provinces, and although no gazetted rare species have yet been discovered, some species are not well represented.

In the interests of maintaining species diversity in this fragile area, it is important that an appropriate fire management policy is adopted (see Section 6.7) and that developments are carefully sited. In this regard, while it is acknowledged that proposed roads, car parks, camping areas and the visitor centre will have a localized impact, they have been planned on well represented land systems and will not have any impact on the integrity of the Park.

9.3 Fauna

With the exception of avifauna, no fauna in the park has been studied on a systematic basis. More work is needed to describe both vertebrates and invertebrates, particularly the mammals, the reptiles and the native fishes.

To contend with the gaps in knowledge, the key mechanism for fauna protection which must be used is, of course, habitat protection. In this regard, the fire exclusion policy is the most important component.

Unusual or restricted habitats, such as the mangal at Mangrove Bay and the aquifer in which the blind aquatic fauna live, will require careful management as will the areas which shelter the small colonies of Rock Wallabies (Petrograle lateralis).

Another important implication for fauna as mentioned in Section 6.8, is vehicle traffic. The speed restrictions proposed in that section should not only protect the fauna but ensure that park visitors may continue to enjoy native fauna at close proximity. Furthermore, the amenity of the Park will benefit from not having smelly and unsightly carcasses along the road.

Special wildlife observation points (Section 6.5) must be sited and designed to ensure that the animals are not disturbed. It is also important to ensure that any artificial watering points do not allow animal populations to increase beyond the carrying capacity of the land to the extent that habitat is damaged.

9.4 Landscape

One of the most appealing attractions of the Park is the dramatic visual contrast between the starkly coloured, rugged Cape Range and the flat and subtly coloured narrow coastal plain, with the turquoise sea beyond.

The vibrancy of colours which change hourly with the light, and seasonally in response to rainfall events, enchant most people who visit the area. Disconformities and unnatural colour contrasts conflict with and devalue visual experiences.

It is therefore essential that roads, tracks, campgrounds and built structures including signs, must be harmonised with the natural environment, by following natural contours and lines and that colours of materials used, blend in with natural tones. Where structures unavoidably breach natural lines and contours, every effort should be made to break-up the intrusion by screen planting with native vegetation from the area.

9.5 Landform Stability

The area most vulnerable to visitor pressure is the coast, particularly where camping sites are presently located. Holocene dune systems tend to be inherently unstable and along this coastline, high winds and low rainfall exacerbate fragility and make revegetation of degraded areas extremely difficult.

Some erosion is already occurring adjacent to most camp sites and with the expected increase in visitor use in the next few years, this situation could quickly become unmanageable.

It is proposed to phase out some existing campsites and compensate for this by locating new ones on stable alluvial soils, further inland.

10. SOCIO-ECONOMIC IMPLICATIONS ARISING FROM MANAGEMENT PROPOSALS

The importance of national parks to the general community has been examined and reinforced over many years. The values that national parks represent, are usually considered to be predominantly of a biological, geological, cultural, scenic and recreational nature. National parks are established because they exhibit and protect those qualities. However, the social and economic values of parks should not be overlooked.

Various studies have shown direct linkage and dependence of the economics of tourism to national parks. They are a primary part of the resource on which the tourism industry is based. Unless the attractions which bring tourists to an area are sustained, the value of tourism as a generator of regional income is diminished. Therefore it is important to foster the management of national parks and the development of their facilities, as much as to promote and market the resources of parks for tourism.

In a social sense, parks are a component of the local environment having a number of special qualities and attractions and they are very important to the community as places to relax and unwind from the pressures of normal life. Although the economic value of parks to social and mental health of the community is difficult to quantify, nevertheless they make an important contribution to the economy in this indirect way.

The socio-economic implications of management proposals are considered below for the Exmouth area and on a broader regional level.

10.1 Exmouth

The provision of a "ceiling" on camping facilities, and the basic nature of the facilities provided in the Cape Range National Park will mean that the majority of tourists will look to Exmouth for the provision of accommodation and services. Increasing use of the parks will certainly help to increase commercial developments in Exmouth. Park management will seek to facilitate use of park facilities by local tourist operators, thus making a direct contribution to the local economy.

10.2 Regional

As publicity fosters awareness of the quality of natural resources within Cape Range National Park and Ningaloo Marine Park their popularity as tourist destinations is likely to rise, increasing the overall viability of the region as a tourist 'zone'.

Roadside businesses (including garages, restaurants, etc) will benefit as will those providing food and accommodation along the way.

In addition, those people living within the Gascoyne and western Pilbara regions will have use of the Park, and benefit from the new facilities provided. It is already evident that citizens of the inland districts are making increasing use of the coastal recreational facilities of the area.

11. REVIEW PROCESS

This draft plan of management is to be reviewed and reformulated firstly in the light of public comment and secondly, prior to the expiration of the term of the plan.

The term which the revised plan will be current is five years from the date of adoption.

Reviews will be carried out where there is a demonstrated need for modifications. Research and monitoring programs should provide a reiterative process to assist a review in five years time.

12. SELECTED READING

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Jim Baker B. Baker - ed.

NINGALOO MARINE PARK

Pre-Draft Plan Workshops
Exmouth July 29-30

Day 1

Doug Bathgate	Chairman
Barry Wilson	Facilitator
Geoff Mercer	"
Richard May	"
Stefan Fritz	"
Kevin Goss	"
Lyall McLeod	Observer
Allan Davies	"
Bruce Teede	"
Jane Lefroy	"
Rick French	"
<i>Andrew Gault</i> Jeremy Carew-Reid	"
George Duxbury	"
Kim Nardi	"
<i>Jim Clarke</i>	

Program

1. Morning - Workshop Program 0900-1300

0845-0900	Registration
0900-0915	Introduction
0915-0930	Management Strategy
0930-1030	Group sessions to identify and rank issues
1030-1050	General session to collate issues
1050-1110	Tea break
1110-1210	Group sessions to discuss major issues, identify conflicts and recommend management strategies.
1210-1230	General session to report on findings.
1230-1300	Summary

2. Afternoon Open Session 2-30-5-00

Dual objective: Open session where workshop participants may, as individuals discuss issues with CALM staff and, for other members of the community to exchange ideas with CALM staff.

FORMAT for Day 1 (Recreation, Tourism and Commercial Workshop)

1. Introductory Session

15 minutes

- a) Purpose of workshop:
 - information gathering
 - exchange of ideas
 - prelude to preparation of draft plan
 - program
- b) Historical context
 - Ningaloo report outcome
- c) Planning process
 - Cape Range
 - Ningaloo
 - Coastal Park

2. Strategies for Management

15 minutes

- a) Land management
 - Cape Range
 - Ningaloo
 - Coastal Park
- b) Ocean management
 - Fisheries regulations
 - Zoning

3. Workshop Sessions

- a) Split participants into four pre-arranged Groups of 5-6 people. and appoint a spokesperson and recorder.
- b) Each person to privately identify a maximum of five issues considered important in management. Each group discuss and rank those issues in order of importance.

60 minutes.

- c) Reconvene as a general group. A verbal report delivered from each committee listing all of the issues and the ranking. 20 minutes
Outline procedure to be carried out after teabreak.
- d) Tea break 20 minutes
- e) Split into four groups as before, allocate 1 or 2 major issues to each committee for identification of conflicts and suggestion of ways in which they can be resolved. Each group is to produce a recommended strategy for management and present that verbally back in the general session.
60 minutes
- f) Reconvene to a general session, with groups to report to the whole workshop. (5 minutes each) 20 minutes
- g) Summary of workshop. 30 minutes

Total time 4 hours

FORMAT For Day 2. (Professional, Charter and Amateur fishing)

As for Day 1 Except, zoning will be on issues for all groups to consider.

Workshop participants (to be invited)

1. Recreation, Tourism and Business

Annette Gillies	P.O. Box 496	Exmouth
Julie Blinkhorne	P.O. Box 54	Exmouth
Leonie Horack	P.O. Box 130	Exmouth
Terry McLean	C/- Ansett Airlines	Exmouth
Max Polglase	P.O. Box 105	Exmouth
Dave Richards	P.O. Box 27	Exmouth
Eileen East	P.O. Box 263	Exmouth
William (Bill) Spanbrock	P.O. Box 62	Exmouth
Larry Burkett	P.O. Box 84	Exmouth
Designated Officer	C/- Commanding Officer	
	U.S. Naval Communication Station	
	Exmouth	
Designated Officer	C/- Deputy Commander	
	Royal Australian Navy	
	Exmouth	
Ray Smith	Dept Sport and Recreation	
	P.O. Box 140	
	Carnarvon	
Henning Neilson	P.O. Box 320	Exmouth
Peter Drown	P.O. Box 84	Exmouth
Peter Arscott	P.O. Box 154	Exmouth
Peter Burbage	P.O. Box 140	Exmouth
Steve Roscic	P.O. Box 504	Exmouth
Garry Oldfield	P.O. Box 234	Exmouth
Ian Lonnie	P.O. Box 221	Exmouth
Lance Gregory	P.O. Box 153	Exmouth
Glyn Payne	C/- Yardie H/S	Exmouth
Dr W F Brogon	81 Glengariff Drive	
	Floreat Park	
Mr D Monk	Coral Bay Holiday Resort	
	P.O. Box 1169	
	East Victoria Park	
Manager	Norcape Lodge Resort	
	Town Beach Road	
	Exmouth	

2. Professional Charter and Amateur Fishing

George King	P.O. Box 249	Exmouth
Paul Griechen	C/- Post Office	Exmouth
Owen Blanch	C/- Post Office	Exmouth
Dave Heafy	C/- Post Office	Exmouth
Peter Bostick	P.O. Box 457	Exmouth
Robbie Atkinson	P.O. Box 61	Exmouth
Harold Dodd	P.O. Box 260	Exmouth
Athol Webb	P.O. Box 413	Exmouth
Glen McIntosh	c/- Post Office	Exmouth
John Ashton	Coral Bay c/- Post Office	
	Carnarvon	
Jeff Taylor (Dr)	C/- District Hospital	Exmouth
John Hallworth	P.O. Box 178	Exmouth
Mike Wunhym	P.O. Box 222	Exmouth
Brian Wilkes	P.O. Box 443	Exmouth

Brian Deering	P.O. Box 493	Exmouth
Mike Leary	C/- Telecom	Exmouth
Robert (Bob) Hutching Jnr	P.O. Box 95	Exmouth
Milton Landon	P.O. Box 39	Exmouth
Neil McLeod	P.O. Box 203	Exmouth
Norm McLeod	P.O. Box 91	Exmouth
Garry Nash	P.O. Box 390	Exmouth
Peter Maier	P.O. Box 26	Exmouth
Frank Csiczak	Secretary,	
	W.A. Recreational Fishermans Council,	
	Worthington Road	
	Booragoon W.A. 6154	

NINGALOO MARINE PARK - WORKSHOPS

Notes for facilitators

1. Introduction Session - 20 minutes.

- A) Purpose of workshop.
 - information gathering
 - exchange ideas
 - preliminary to draft plan for Ningaloo
- B) Historical Context.
 - Ningaloo report.
 - E.P.A. & Cabinet endorsements.
 - Review of zoning plan.
- C) Planning Strategy.
 - 3 park plans : Cape Range, Ningaloo, Coastal Park.

9.20 2. Workshop Session #1 - 40 minutes.

- A) The first task is for each individual to write his/her personal list of issues on the card provided. Ensure this is done in a period of quiet.
- B) Participants break up into small groups in accordance with group list.
- C) Facilitator to ask each person in turn, what their two most important issues are - write up on paper. Rotate through group until all issues are listed for all participants in group to see. Use words each person uses to describe issue.
- D) Ask group to list, on back of their cards, the issues in order of priority. HIGHEST PRIORITY FIRST. ie. No 1
- E) Facilitator to then score each issue from ranking given by each person.
- F) Each facilitator to then present the issues back as a general session. (Write up on butcher paper)

10.00

Coffee Break - 20 minutes.

10.20

- G) During coffee break, arrange issues in order of priority. (Rank according to weightings given by participants)

10.25

3. Workshop Session #2 - 40 minutes.

- A) Reconvene session. Provide each group with one issue
 - a) from their own list (summarised over coffee)
 - b) Let them choose one other.

- B) Get group to appoint a chairperson and a recorder.
- C) Provide task : identify conflicts likely to arise with issue (a) and the management strategy to be adopted to minimise conflict. Repeat for issue (b).
- D) Group reconvenes as a general session. Chairpersons to report back to everyone their issues, conflicts and management strategy.

11.05
11.50
12.10
12.20

NOTE: Time limit on each issue is ~~45~~ minutes. 30 minutes

- E) Chairman to then manage a general discussion by everyone of the outcome of each group.

20 minutes.

4. Summary Session - 10 minutes.

Nominate person to summarise outcome of workshop.

NOTE: Zoning if identified as a major issue before coffee, to be spoken to after coffee, to provide a basis for rational discussion and resolution by participants.

Chairman to close workshop and invite participants to lunch.

11.20 -

30 mins

AMATEUR FISHING/PROFESSIONAL FISHING WORKSHOP. WEDNESDAY 30TH.

Group 1

Dr. G. Taylor ✓
B. Deering ✓
A. Webb ✓
D. Heaphy ✓
~~P. Maier~~
G. King ✓ 5

Group 2

~~J. Hallworth~~
Neil McLeod ✓
P. Griecken ✓
H. Dodd ✓
~~I. Nash~~
M. Wunhym ✓
R. ATKINSON

Group 3

R. Hitching Jnr. ✓
~~Norm McLeod~~
~~G. Blanch~~
G. McIntosh ✓
J. Ashton ✓
~~P. Bastiek~~
G. NASH.

Group 4

~~R. Atkinson~~
~~G. Nash~~
~~M. Levy~~
~~B. Wilkes~~
~~F. Csiezak~~
~~M. Landon~~

14

23 for lunch

(C)

D.

- 5 Pro Custom Fishing
- 4 Protection of Marine, freshwater organisms
- 3 Supervision of Users.
- 2 ~~Human Use~~ Man Staff.
- 1 Incremental Dec.

Officer

User	Mgt Capability	Supervising users	Laffer Policy
①	Friends of the Park account & Budget Review		
②	Honorary Inspectors		
③	Literature about Rules & Regulations		
④	Volunteer Ranger System (Compensated) System (Uncompensated) Expensive system Surveillance System • Hel. • Fixed wing		
	Shell Collecting Permits		
	Signage • on shell coll. • eggs • rock for over		
	Education		

Supervision of Users
Mgt Capability.
Sufficient Policies

①

?

②

N —

Indigi.

Joint mgt. Share — CALM.

- ① Min. fin. resource visitors — floating population.
cause trouble — stealing
— rainwater
— showers?

Proper policing? meet the need.

- ② Surfing / kitesurfing —

- ③ Line fishing / rod / boat / spear / shell coll.
aquarium coll. / carrying sightseers / HW diving.

Retired
Non Retired

P R O G R A M

- FOUR GROUPS EACH IDENTIFY ISSUES AFFECTING MANAGEMENT OF THE MARINE PARK.
- ISSUES RANKED IN ORDER OF IMPORTANCE.
- ISSUES COLLATED AND PRESENTED TO THE WHOLE SESSION.
- COFFEE/TEA BREAK.
- SELECTED ISSUES DISCUSSED
 - IDENTIFY AND RESOLVE CONFLICTS
 - RECOMMEND MANAGEMENT STRATEGY
- RECOMMENDATIONS BACK TO WHOLE SESSION.
- OPEN DISCUSSION OF STRATEGIES.
- SUMMARY.

GROUP 1.

1. SUFFICIENT PERSONNEL / MORE STAFF??

SUBMITTED THAT EXISTING RANGERS FORCE IS
a. UNDERMANNED
b. UNDERQUALIFIED.

REASONS a. OVERALL LENGTH OF THE PARK WILL BE 260 KM
AND EFFECTIVE PATROL RANGE \approx PER RANGER IS 50 KM.

b. TO MAINTAIN A MARINE PRESENCE RANGERS WILL
HAVE TO HOLD A COXWAIN'S TICKET

2. IDEAL SOLUTION: (NOTE- IT IS ACCEPTED THAT BUDGETARY
CONSTRAINTS PRECLUDE THE GREATER PART OF THIS SOLUTION AS
BEING PRACTICAL AT THIS TIME, HOWEVER THE PARK IS TOO
IMPORTANT TO BE SOLD SHORT AND IT IS HOPED THAT OVER A
PERIOD OF TIME THESE PROPOSALS WILL BECOME ESTABLISHED
FACTS).

a. A FRONTLINE RANGERS FORCE OF 5 PERSONS WITH A SOUND
EDUCATION IN ICHTHOLOGY, ZOOLOGY AND BOTANY. THE RANGERS
WILL ALSO HAVE A COXWAIN'S TICKET, FIRST AID CERTIFICATION
AND BE GAZETED AS HONORARY FISHERIES & WILDLIFE
INSPECTORS. THE RANGERS WILL BE EQUIPPED WITH FOUR WHEEL
DRIVE VEHICLES THAT WILL CARRY A LIGHT WEIGHT POWERED
DINGY. THE RANGERS WILL ALSO HAVE AUTHORITY TO ARREST
a. TO IMPOSE ON THE SPOT FINES FOR BREACHES OF THE
PARK BYELAWS.

RANGERS WILL PATROL A 50M ROWE FROM A MOBILE
HEADQUARTERS. ADEQUATE HOUSING WILL BE PROVIDED
FOR THEIR FAMILIES IN EXMOUTH.

- b. THE RANGER FORCE WILL BE SUPPORTED BY (a) A CALM HELICOPTER
(b) TWO PATROL BOATS CAPABLE OF SAILING 20 MILES OUT TO
SEA AND ^{EACH} MANNED BY 2 QUALIFIED SEARANGERS. ONE BOAT
WILL BE LOCATED IN EXMOUTH AND ONE IN CORAL BAY. THEIR
PRINCIPAL DUTY WILL BE TO PREVENT COMMERCIAL POACHING
AND EXPLOITATION OF THE WESTERN LIMITS OF THE PARK.
- c. COOPERATION WILL BE FREELY GIVEN TO THE RANGER
FORCE BY THE LAN, DEPT. OF FISHERIES & DEPT OF HARBOR &
LIGHTS WHO WILL MAINTAIN A COMMON RADIO LINK EACH
WITH THE OTHER.
- d. EDUCATIONAL SUPPORT WILL BE AFFORDED BY THE
ESTABLISHMENT OF 2 INFORMATION CENTERS PERMANENTLY
MANNED BY CALM PERSONNEL WHO WILL BE FULLY
EQUIPPED WITH APPROVED LITERATURE, STATIC DISPLAYS &
VIDEO PRESENTATIONS. THE CENTERS WILL BE LOCATED
IN THE NORTHERN & SOUTHERN REGIONS OF THE PARK
- e. CALM EDUCATION LITERATURE WILL BE PREPARED &
MAINTAINED BY AN EDUCATION OFFICER FROM THE
DEPT OF SPORT & RECREATION. THIS OFFICER WILL
ALSO BE RESPONSIBLE FOR LIASON WITH THE MEDIA,
EDUCATION DEPT & INTERESTED CIVIC GROUPS.
- f. THE EDUCATION FUNCTION WILL BE FULLY SUPPORTED BY
THE EXMOUTH TOURIST BUREAU.
- g. TO ALLOW THE RANGERS TO PERFORM THEIR PRIMARY
FUNCTIONS, THE MORE MUNDANE WORK OF PREPARING,
MAINTAINING AND CLEANING CAMPING SITES & PIONIC AREAS
SHOULD BE SUBCONTRACTED TO THE SHIRE OF EXMOUTH.
- h. THE DEPT SHOULD ENCOURAGE THE FORMATION

OF A PARTLY VOLUNTEER LOCAL FORCE (e.g. FRIENDS OF THE PARK)
TO AID IN WORK SUCH AS THE REESTABLISHMENT OF
DEGRADED AREAS, DISSEMINATION OF INFORMATION AND PROMOTION
OF THE MEANINGFUL ASPECTS OF THE MARINE PARK

2. DISSEMINATION OF INFORMATION?

WILL BE MOST EFFECTIVELY PROMOTED BY.

- a. A WELL EDUCATED RANGER FORCE
 - b. AN EDUCATION OFFICER TO LIAISE WITH THE MEDIA, THE
EDUCATION DEPARTMENT AND INTERESTED CIVIC GROUPS.
 - c. THE EXMOUTH TOURIST BUREAU & THE DEPT. OF TOURISM
 - d. THE ESTABLISHMENT OF ON SITE INFORMATION CENTRES.
 - e. HIGH QUALITY, LITERATE AND COLOURFUL ON SITE
VISUAL DISPLAY BOARDS AND SIGNS.
 - f. ~~ON~~ WORDS OF MOUTH BY THE POPULATION OF EXMOUTH.
-

G R O U P

✓ Terry McLean.
Peter Drown
Eileen East
Jan Lonnie
D Monk

Peter Vunage
Kening Neilson
George Dunsun
Gary Oldfield.
Peter Drown
Dave Richards.
Barry Wilson
Stephen Fritz.

Ranking

1. Sufficient personnell (18)
2. Sufficient policing (14)
3. Research (14)
4. Zoning (14)
5. Access (7)
6. Bag limits for fish (6)
7. Dissemination of information (6)
8. Trapping fish (5)
9. ~~Inf.~~ Inf. - Interpretation (5)
10. Effect of external fishing (4)
11. Commercial concessions (4)
12. Def. western boundary (2)
13. Launching boats (2)
14. Revenue from users (2)
15. Collecting (1)
16. Boating (1)

49
No score { Damage to Bundegi Reef
Anchorage control
Eastern limits of park
Pollution

NAMES ON CARDS - COLLECT AFTER SESSION

RETENTION OF NATURALNESS / CONTROL USE / PROTECTION OF MARINE LIFE

Threats to Reef.

- Boats — anchors / coral
- Divers — physical damage
- Fishing — commercial
- Collecting reef items — live and/or dead.
- Scuba diving versus snorkelling
- Waste disposal — professional and amateur divers.
- Launching ramps and mooring areas.

Development Restrictions Guidelines.

- Zoning — professional fishing, amateur diving etc.
- Information / guidelines to develop restrictions if required.
- Applying regulations as required for the park.

Strategy.

Development guidelines

- Zoning IAW. limited access
- Policing — how to with advanced methods — radar etc.
- Honorary inspectors as well as permanent staff.
- Limitation of boating activity / pontoons / glass bottom
- Development should be designed to complement boats the natural attractions and to enhance the offerings of the reef.
- Development of total awareness so that the vast majority of users / visitors take over the role of protection.

EDUCATION / INFORMATION

To develop/create an awareness of what the park has to offer and why it should be protected and nurtured.

Wrong expectations.

Controlled development, hence protection.

Education to exploit the benefits and hence controlled observations rather than the uneducated gaping of the reef.

Information centre / static displays / theatre.

Induction for tourists.

Research programmes.

① Diagnosis - What is the problem?

Start
Issue
Summary
of
those who
will be
in control.

Start with a plan to discuss in conj. with the
ranger & other people involved in the next book &
also officers that are ^{currently} running the National Park.

Start with significant population that should be controlled

- Camping out & not staying
in designated areas.
- Upsetting the paying tourists.

Discussion of how to meet the needs of
campers & people who use the area.

Who are the users?

- Surfers.
- Rod Fishing
- Boat "
- Spear "
- Shell Collectors
- Aquarium "
- Campers (sightseers)
- 4x4
- Trail bike

Age group 20-40
Ret -
Non Retired.

Professional fishing / tourism / pastoral use +
supplying facilities) - Strategy to control these
people.

"Friends of Nungalloo Reef Park"

working bees / support ranger / reallocation
of budget priorities & the group could
support the Supervisors ^{by} voluntary labour / education
of users.

Brochure made up ~~stating~~ the, with dos + don'ts.

EDUCATING PEOPLE - PRIORITY.

Should also advise of the Restrictions of the Ranger, what he can + can not do.

Richard - said he doesn't like coming the heavy + having a stick of people

Brian - education, explain why fishing or whatever can't be done.

Steve supports volunteer people to support the ranger, - could be looked into!
(Prior education in Ruth.)

What other ways can we Police/Manage the Area?

~~1. Rangers~~ Rangers trained in fisheries dept ways (Fish dept has been approached to train Rangers).

* Rangers be trained that Rangers be ex-officio fisheries trained — all agreed
good idea.

2. Aerial Surveillance... 1 hour of air watch cover better than a day of Ranger on watch.

Helicopter? - Helicopters would be of more benefit + more suitable for apprehension of rule breakers.

3) Stress the need for Bag Limits!!
Education as well!

* Permits for two shells for each particular species.

Signs - Educating signs in the area on
do's & don'ts of Shelling.

② Regulated Use.
Larger to Police.

Access

Steve said concerned with the "fishers"
being given freedom of access at the Nat.
Park Area.

Those in the park haven't got freedom
of access.

Distance - restrict the freeze activity.

- people like fishing in their favorite
areas.

Long - Bag limits should restrict the fish taken.

* General sites for freezers - another
" " " " beach fishers who are
only fishing for current needs.

← * Police this!

All major dev. will take place around
the development area of the town.

How do we cope with increased numbers?

Closure of Areas?

Steve said there shouldn't be closure of areas.
specifically, Turtle Bay in Turtle Season.

Steve agrees with Camp District, but keep people wage at night under control.

Access - ~~the~~ Mungalso Camping.

We all agreed " " is domestic at this stage.

Ray said a better management report for that area is in the offing.

Perhaps an extension of ^{Cape Range} the Nat Park + people charged for camp sites.

* Money generated from Campers does not necessarily get put back into the area it came from.

Freezer Zones.

Access to beach & dunes.

User fees to be charged.

Set. Cape Range Management System.

(Recycling fees for the dev of park.)

* Zoning. An important issue.

1. The fish are definitely smaller, on average, this year, and not as plentiful.
 2. A 40 mph speed limit will not be slow enough on the new road to stop too deaths through collision, especially in late afternoon.
 3. In order that we ensure more day-trippers with the building of the new road ~~into~~ it is imperative that more accommodation is provided in Exmouth. A tourist ^{parking} ~~Park~~ with a 7 day limit ~~for~~ and no ^{parking} booking provision is essential.
-

Diana Badcock.

1. More staff reqd for N.W. Cape to Gardie Creek.
2. How will we treat people who display a sense of ownership of their camping area (Who have been coming for years). \Rightarrow 28 days.
3. Will the 28 day stay-over period apply to the terrestrial portion of the Marine Parks?
4. Will there be any more water supplies opened up? both in Cape Range & Ningaloo Parks?
5. Are you going to open up any more access roads?
6. Will there be a camping area provided near the Milurina Interp. centre and will the coastal sites be closed?
7. Feels that a person of general background in local flora/fauna (both terrestrial & marine) but also good Ranger knowledge should be stationed at Milurina. (Ranger knowledge: good fishing spots, reef walks, hikes, caravan bays etc. etc..)
8. Will there be some form of policing persons on the water?
9. If contract staff were used to do the bin run etc there may be some problem with the public approaching these staff and expecting informed, Ranger-type, responses.

RECREATION/TOURISM/BUSINESS WORKSHOP. TUESDAY 29TH.

Group 1

H. Neilsen
W. Spanbroek
G. Oldfield
P. Burbage
D. Richards

Group 2

A. Gillies
M. Polglase
R. Scott
P. Arscott
Dr. W. Brogan
L. Burkett

Group 3

L. Horak
G. Payne
L. Gregory
S. Roscic
R. Smith
J. Blinkhorn

Group 4

T. McLean
P. Drown
E. East
I. Lonnie
D. Monk

NINGALOO MARINE PARK

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Exmouth July 29-30

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- e) Split into four groups as before, allocate 1 or 2 major issues to each committee for identification of conflicts and suggestion of ways in which they can be resolved. Each group is to produce a recommended strategy for management and present that verbally back in the general session.
60 minutes
- f) Reconvene to a general session, with groups to report to the whole workshop. (5 minutes each) 20 minutes
- g) Summary of workshop. 30 minutes

Total time 4 hours

FORMAT For Day 2. (Professional, Charter and Amateur fishing)

As for Day 1 Except, zoning will be on issues for all groups to consider.

Workshop participants (to be invited)

1. Recreation, Tourism and Business

Annette Gillies	P.O. Box 496	Exmouth
Julie Blinkhorne	P.O. Box 54	Exmouth
Leonie Horack	P.O. Box 130	Exmouth
Terry McLean	C/- Ansett Airlines	Exmouth
Max Polglase	P.O. Box 105	Exmouth
Dave Richards	P.O. Box 27	Exmouth
Eileen East	P.O. Box 263	Exmouth
William (Bill) Spanbrock	P.O. Box 62	Exmouth
Larry Burkett	P.O. Box 84	Exmouth
Designated Officer	C/- Commanding Officer	
	U.S. Naval Communication Station	
	Exmouth	
Designated Officer	C/- Deputy Commander	
	Royal Australian Navy	
	Exmouth	
Ray Smith	Dept Sport and Recreation	
	P.O. Box 140	
	Carnarvon	
Henning Neilson	P.O. Box 320	Exmouth
Peter Drown	P.O. Box 84	Exmouth
Peter Arscott	P.O. Box 154	Exmouth
Peter Burbage	P.O. Box 140	Exmouth
Steve Roscic	P.O. Box 504	Exmouth
Garry Oldfield	P.O. Box 234	Exmouth
Ian Lonnie	P.O. Box 221	Exmouth
Lance Gregory	P.O. Box 153	Exmouth
Glyn Payne	C/- Yardie H/S	Exmouth
Dr W F Brogon	81 Glengariff Drive	
	Floreat Park	
Mr D Monk	Coral Bay Holiday Resort	
	P.O. Box 1169	
	East Victoria Park	
Manager	Norcape Lodge Resort	
	Town Beach Road	
	Exmouth	

2. Professional Charter and Amateur Fishing

George King	P.O. Box 249	Exmouth
Paul Griechen	C/- Post Office	Exmouth
Owen Blanch	C/- Post Office	Exmouth
Dave Heafy	C/- Post Office	Exmouth
Peter Bostick	P.O. Box 457	Exmouth
Robbie Atkinson	P.O. Box 61	Exmouth
Harold Dodd	P.O. Box 260	Exmouth
Athol Webb	P.O. Box 413	Exmouth
Glen McIntosh	c/- Post Office	Exmouth
John Ashton	Coral Bay c/- Post Office	
	Carnarvon	
Jeff Taylor (Dr)	C/- District Hospital	Exmouth
John Hallworth	P.O. Box 178	Exmouth
Mike Wunhym	P.O. Box 222	Exmouth
Brian Wilkes	P.O. Box 443	Exmouth

Brian Deering	P.O. Box 493	Exmouth
Mike Leary	C/- Telecom	Exmouth
Robert (Bob) Hutching Jnr	P.O. Box 95	Exmouth
Milton Landon	P.O. Box 39	Exmouth
Neil McLeod	P.O. Box 203	Exmouth
Norm McLeod	P.O. Box 91	Exmouth
Garry Nash	P.O. Box 390	Exmouth
Peter Maier	P.O. Box 26	Exmouth
Frank Csiczak	Secretary,	
	W.A. Recreational Fishermans Council,	
	Worthington Road	
	Booragoon W.A. 6154	

AMATEUR FISHING/PROFESSIONAL FISHING

Group 1

Dr G Taylor
B Deering
A Webb
D Heaphy
P Maier

Group 2

J Hallworth
Neil McLeod
P Griecken
H Dodd
I Nash

Group 3

R Hitching Jnr
Norm McLeod
O Blanch
G McIntosh
J Ashton

Group 4

G King
P Bastick
M Wunhym
M Landon

Group 5

R Atkinson
G Nash
M Levy
B Wilkes
F Csiczak

RECREATION TOURISM BUSINESS

Group 1

H Neilsen
W Spanbroek
G Oldfield
P Burbage

Group 2

A Gillies
M Polglase
US Navy
P Arscott
Dr W Brogan

Group 3

L Horak
G Payne
L Gregory
S Roscic
R Smith

Group 4

T McLean
RAN
E East
I Lonnie
D Monk

Group 5

D Richards
P Drown
L Burkett
J Blinkhorn

Group 1

- * 1 Sufficient Personnel
- 2 " Policing
- 3 Research
- 4 Zoning [Equity]
- 5 ~~Education / Enforcement~~
Access
- 6 ~~Conservation concerns~~
Bike Limits
- 7 ~~External Fishing~~
Dissemination of Information

Group 2

- * 1 RETAIN NATURALNESS & CONTROL USE
- 2 Education / Information
- 3 Degree of Access
- 4 Equity for use
- 5 Local 'ownership'
- 6 Provision of Facilities
- 7 Management capability

Group 3

- 1 Presⁿ of marine life
- * 2 Supervision of users
- 3 More staff
- 4 Another^{vs} Pro fishing
- 4 Access
- 5 Restrictions on ~~the~~ ^{Pro/Am} fishing
- 6 Balanced use of resources

PROGRAM

- FOUR GROUPS EACH IDENTIFY ISSUES AFFECTING MANAGEMENT OF THE MARINE PARK.
- ISSUES RANKED IN ORDER OF IMPORTANCE.
- ISSUES COLLATED AND PRESENTED TO THE WHOLE SESSION.
- COFFEE/TEA BREAK.
- SELECTED ISSUES DISCUSSED
 - IDENTIFY AND RESOLVE CONFLICTS
 - RECOMMEND MANAGEMENT STRATEGY
- RECOMMENDATIONS BACK TO WHOLE SESSION.
- OPEN DISCUSSION OF STRATEGIES.
- SUMMARY.

PERSONS INVITED TO WORKSHOPS

* Did not attend.Day 1 Recreation/Tourism/Business

	Annette Gillies	Exmouth
*	Julie Blinkhorne	Exmouth
	Leonie Horack	Exmouth
*	Terry McLean	Exmouth
	Max Polglase	Exmouth
	Dave Richards	Exmouth
	Eileen East	Exmouth
*	William (Bill) Spanbroek	Exmouth
	Larry Burkett	Exmouth
	Designated Officer	US Naval Communication Station, Exmouth
	Designated Officer (Richard Scott)	Royal Australian Navy, Exmouth
	Ray Smith	Dept Sport and Recreation, Carnarvon Recreation
	Henning Neilson	Exmouth
	Peter Drown	Exmouth
*	Peter Arscott	Exmouth
	Peter Burbage	Exmouth
	Steve Roscic	Exmouth
	Garry Oldfield	Exmouth
*	Ian Lonnie	Exmouth
	Lance Gregory	Exmouth
*	Glyn Payne	Exmouth
*	Dr W F Brogon	Coral Bay (Resides in Perth)
*	Mr D Monk	Coral Bay
*	Manager	Norcape Lodge Resort, Exmouth

Day 2

and
Professional Charter/Amateur Fishing

	George King	Exmouth
	Paul Griechen	Exmouth
*	Owen Blanch	Exmouth
	Dave Heafy	Exmouth
*	Peter Bastick	Exmouth
	Robbie Atkinson	Exmouth
	Harold Dodd	Exmouth
	Athol Webb	Exmouth
	Glen McIntosh	Exmouth
	John Ashton	Coral Bay
	Jeff Taylor (Dr)	Exmouth
*	John Hallworth	Exmouth
	Mike Wunhym	Exmouth
*	Brian Wilkes	Exmouth
	Brian Deering	Exmouth
*	Mike Levy	Exmouth
	Robert (Bob) Hitching	Exmouth
	Jnr	
*	Milton Landon	Exmouth
	Neil McLeod	Exmouth
*	Norm McLeod	Exmouth
	Garry Nash	Exmouth
*	Peter Maier	Exmouth
*	Frank Csiczak	WA Recreational Fishermen's Council, Perth

other 23
 PERSONS ATTENDING WORKSHOPS AS COORDINATORS OR OBSERVERS:

Jane Lefroy	Ningaloo Advisory Committee	<i>Ningaloo Station</i>
Bruce Teede	" " "	<i>Carnarvon</i>
Lyall McLeod	" " "	<i>Exmouth</i>
* Doug Bathgate	" " "	<i>Exmouth</i>
Andrew Grant	ANPWS, Canberra	
Barry Wilson	CALM, Perth	
Richard May	" "	
Geoff Mercer	" Geraldton	
Kevin Goss	" Perth	
Kim Nardi	" Geraldton	
George Duxbury	" Exmouth	
Jim Sharpe	" Perth	
Norm Nickerson	WATC Carnarvon	
Stefan Fritz	CALM, Exmouth	

* *Chairman* ~~for workshops~~

Workshops ~~Planning and~~ organisation

Observers

all the others listed - in order arranged

WORKSHOP GROUP 3

Day 1 Recreation/Tourism/Business Workshop

Group 1 Henning Neilson
 Gary Oldfield
 Peter Burbage
 Peter Drown
 Dave Richards
 Stefan Fritz *
 George Duxbury
 Barry Wilson
 Lyall McLeod

Group 2 Annette Gillies
 Max Polglase
 Richard Scott
 Larry Burkett
 Richard May *
 Jim Sharpe
 Doug Bathgate
 Bruce Teede

Group 3 Leonie Horack
 Lance Gregory
 Steve Roscic
 Ray Smith
 Eileen East
 Geoff Mercer *
 Andrew Grant *
 Jane Lefroy
 Kim Nardi

* Group Coordinator ✓

Day 2 Amateur/Professional/Charter Fishing Workshop

Group 1 Geoff Taylor
 Brian Deering
 Athol Webb
 Dave Heafy
 George King
 Richard May *
 Kim Nardi
 Doug Bathgate
 Lyall McLeod

Group 2 Neil McLeod
 Paul Greichen
 Harold Dodd
 Mike Wunhym
 Robbie Atkinson
 Barry Wilson
 Stefan Fritz *
 Bruce Teede
 Jim Sharpe

Group 3 Glen McIntosh
 Robert Hitching Jnr
 John Ashton
 Garry Nash
 Geoff Mercer *
 Andrew Grant *
 Jane Lefroy

* Group Coordinator

CROSS-SECTION OF ISSUES PARTICIPANTS RAISED AS INDIVIDUALS FOR CONSIDERATION
IN THE WORKSHOP

Day 1

Recreation, Tourism and Business

Camping facilities, pets and fires.

Amateur fishing, boat, beach and spear.

Shell collecting.

Sailboarding, surfing, skiing, yachting.

Professional game fishing.

Zoning of activities.

Vehicle (4 x 4) access.

Access by professional tours - bus and boat.

Access to marine park.

continue.

CROSS-SECTIONS OF ISSUES PARTICIPANTS RAISED ^{By} AS INDIVIDUALS FOR CONSIDERATION
IN WORKSHOP

Day 2

Referred Charles and Amateur fishing

The park will become so popular, problems will arise handling and accommodating the large numbers of visitors during the tourist season.

I see no problems for the professional fishermen provided the number of boats is limited to those existing at present.

Some control on the taking of fish, shells etc. by tourists and amateurs will have to be introduced (no nets).

Access for Exmouth residents.

Charter boats need to operate in some restricted zones in close proximity to Exmouth.

Requirement of not disturbing the build-up of tourists with Police State regulations and bad interpretation of rules.

Maintain a happy liaison with the public.

Charge appropriate (rates of use).

What restrictions would the park have on the public.

Could a ranger from Coral Bay and one from Ningaloo police the area.

Would there be zoning in the park.

Regulation of shell collecting.

Over regulation of users.

How would the park be policed.

Sustain the fish stocks.

Effects on game fishermen.

Fish catch management.

Preserve coral growth.

Policing of commercial fishing boats.

Caravan and camping facilities.

Wood supplies at campsites.

Erosion due to vehicle movement.

Protection of fishing, ban longlining in proximity of park, bag/size limits.

Bundegi - ban prawn trawling in proximity, deterioration in reef and fish due (possibly) to siltation.

Shell collecting - 'loophole' where clubs can still export.

Turquoise Bay - safe small boat anchorage.

Norwegian Bay - Point Cloates needs protection.

Control of aquarium fish collecting.

No increase in professional fishing.

Pro-amateur fishing.

Policing of management.

Impact of recreational fishing.

Effect (of proposed) on (my) fishing operations.

Protection of reef.

Shell/coral collecting.

Safety of boat owners.

Professional fishing.

Pro-amateur fishing and use of freezers.

Policing of amount (of fish) caught.

Bay limits.

Spear-fishing.

Netting - amateur and commercial.

Continuation of commercial fishing in marine park.

Trapping, trolling, handline fishing all outside the reef.

Ability to run charters for viewing, diving and fishing.

Unlimited access for shelter and anchorage.

Strict controls placed over amateur fishing.

Professional fishing to continue with security for existing operators.

Bag limits on territorial and schooling fish.

Ability to manage the large area.

Ensuring needs of users are met in planning.

Compromise needed between public and management.

Why Bundegi in park.

Departmental controls - who does what.

Shell collecting.

Zoning.

Pollution control over waste disposal.

Facilities, who provides and where.

Spear-fishing, shell and fish collecting destructive.

Restrictions on use.

Zoning and exclusion of activities.

Camping.

Use by professional fishermen.

Commercial developments in park.

Surfing, board-riding, yachting.

Removal of fish in large numbers.

Pollution in general.

Reef damage by anchors and traps.

Removal of shells and corals.

Boat ramps for search and rescue.

Conservation of Bundegi coral reef.

What department control of park.

Method for operation of established licence holders (professional) in park.

Areas to be closed or restricted.

Controls on fishermen (nets, traps, line).

Protection of (fish) species.

Major issues & order of priority

1. Sufficient personnel.
2. Sufficient policing.
Research of what we are controlling.
Zoning to protect interests of different users.
3. Access.
4. Bag limits for fish.
5. Dissemination of information.
6. Trapping of fish.
Effective interpretation and information facilities.
7. Commercial concessions.
External fishing and its effect on park.
8. Controlled launching of boats.
Revenue from users.
9. Collecting.
Boating behaviour and safety.

Other issues identified but not considered a priority:-

Pollution;

Anchorage control;

Damage to Bundegi reef;

Eastern limit of park.

Major issues in order of priority

1. Retainment of naturalness of biophysical resources.
Controlled use.
2. Education/information.
3. Degree of access to resources.
4. Equity for use.
5. Local 'ownership'.
6. Provision of facilities.
7. Management capability.
8. Awareness of regulations.
9. Navy/communication requirements.
10. Restrictions on professional/charter.

Other issues identified but not considered a priority:-

Foreign fishing;

Safety support services.

29th Group 3

Major issues - order of priority

1. Protection of marine life.
2. Supervision of users.
3. More staff.
Amateur vs professional fishing (including internationals).
4. Access.
5. Restrictions on semi-professional fishing.
6. Balanced use of resources.
7. Removal of marine organisms.
8. Access to beaches.
9. Impact of anchorage.
10. Environmental development.

Major issues (in order of priority)

1. Control and management of fish stocks (including spear fishing, aquarium collecting and shell collecting).
2. Security and controls for existing operators.
3. Zoning - equity of use.
Bundegi - prawn fishery.
4. Pollution control.
Damage to reef by boats.
5. Access to boat anchorages.
6. Departmental control(s).
7. Fishing effort.
8. Commercial development.
9. International fishery control.
10. Vehicle control.

Other issues identified but not considered a priority:-

Restrictions on surfing/board-riding;

Restrictions on skin-diving.

Major issues - order of priority

1. How is the park to be effectively policed.
2. Over-regulation of users.
3. What restrictions to public use.
4. External effects on fish populations.
5. Restrictions on charter boat operators and traditional fishermen.
6. Education of users and management staff.
7. Research of locally exploited fish.
8. Netting by professional and amateur fishermen.
9. Handling large numbers of people.
10. Sustainable yield of fish stocks.

Restriction on anchorages.

Zoning.

Other issues identified but not considered a priority:-

Effects on game fishermen;

Appropriate charges to users;

Taking of undersized fish;

Pollution control;

Habitat protection;

Damaging of park by local people.

30th Group 3

Major issues - order of priority

1. Professional/amateur fishing.
2. Policing/management.
3. Shell/coral collecting.
4. Impacts of recreational fishermen.
5. Safety of park users.
6. Zoning/management control.
7. Professional fishing.
8. Protection of reef.
9. Spear-fishing.
10. Netting.
11. Aquarium fish collecting.

Other issues identified but not considered a priority:-

Protection of Bundegi reef;

Squid.

NINGALOO MARINE PARK ADVISORY COMMITTEE

Meeting held at Exmouth Shire Council Chambers, June 18, 1986.

Present:

Dr Barry Wilson - Chairman
Ms Jane Lefroy
Cr Doug Bathgate
Mr Bruce Teede
Mr Lyall McLeod
Mr Geoff Mercer
Mr Richard May

Apologies:

Mr Bryant Stokes
Mr Rick French
Mr Harry Baxter

Meeting was opened at 2.20 pm, the Chairman explained that Mr Baxter was leaving the region and had therefore tendered his resignation on the Committee.

Mr Teede advised that he was no longer a Shire Council member and the Shire had therefore nominated Mr Allan Davies as the representative on the Committee.

Following general discussion, it was felt that continuity was important and existing members should continue their function, if necessary as members in their own right, until at least proclamation of Ningaloo Marine Park and completion of the management plan. It was also felt that appointments should not represent sectional interests.

It resolved that CALM should seek an additional member to replace Mr Baxter and call for expressions of interest.

1. Minutes of meeting held in Exmouth February 13, 1986.

Corrections - Amend Lyle McLeod to Lyall McLeod

Motion moved by Councillor Bathgate and seconded by Mr Teede and carried unanimously that the minutes be accepted.

2. Business arising from Minutes not considered in the Agenda

2.1 Public Notice

The Chairman advised that the public notice that was to be prepared after the previous meeting had not been done, however, it would be prepared after this meeting for release at Exmouth and Carnarvon.

2.2 Fish Stock Consultant

Councillor Bathgate enquired as to the possibility of securing the consultant for the Project. The Chairman advised that due to constraints on funding, it was uncertain if the project would proceed.

3. Land Tenure

A progress report on land tenure matters was tabled and discussed. The Chairman advised that the Lands and Surveys Department had nominated two senior people to assist CALM staff to formulate the basis for agreement for management of coastal portions of pastoral leases. CALM staff would be discussing this with lessees and developing the framework for agreements.

The Chairman outlined the relevance of the proposed land to be jointly managed with the Shire of Exmouth, particularly the reserves at Tantabiddi Creek and the limit of jurisdiction to high water mark, and asked Councillor Bathgate to take note of it and seek comment from the Shire.

Resolution

It was agreed that CALM follow up the tenure proposals with Lands and Surveys for the preparation and gazettal.

4. Discussions with Federal Authorities

The Chairman outlined his discussions with Australian National parks and Wildlife personnel in Canberra. The principal issues discussed were:

- a) An agreement on the generalisation of the State/Commonwealth boundary at the limit of the Territorial Sea.
- b) Coastal portions of Location 44 and 97 were to be managed by the State as part of the marine park; and
- c) A staff member of A.N.P.W.S. would be coming over to assist in preparation of the plan of management for Ningaloo.

Ms Lefroy advised the Committee that the Department of Transport had fenced the lighthouse at Point Cloates and had received a letter advising them of the Departments responsibility.

The meeting was advised that Location 71 is Commonwealth freehold however, it encompasses the Point Cloates light, not the old lighthouse.

Noted

5. Agreement with Shire of Exmouth

The Chairman briefed members on the proposition that had been put to the Shire previously, that unvested coastal land west of Yardie Road and east of Murat Road be jointly controlled and managed, was agreed to in principle by the Shire.

He had also advised the Australian Bicentennial Authority of the agreement reached between the Shire and CALM for the location of facilities at Milyering. The Minister was subsequently advised by the Authority of the terms for expenditure of Bicentennial funds.

Noted

6. Milyering Visitor Centre

The Chairman outlined the difficulties CALM had with the lack of staff resources and the difficulties with the Bicentennial Authority in delaying approval for expenditure. The Department had undertaken a reorganisation of staff priorities to reflect the changing needs. A building and planning program had therefore been structured to respond to this.

The concept plan for Milyering was being developed and when prepared, would be circulated to committee members. An architectural brief was to be prepared taking into account the need for low profile buildings, aesthetics, energy conservation and flexibility of operation. There was a degree of optimism for securing good supplies of potable water and a drilling program could take place in a month or two.

Noted

7. Information Plan

Mr Mercer outlined the development of internal requirements and establishment of design criteria for the Visitor Centre at Milyering which included length of visitor stay, display requirement, activities, presentation and power requirements.

A concept for a mobile field study unit instead of the fixed unit proposed is under consideration for use at various field sites. An information plan will be developed when related issues are finalised. The Committee felt that the concept of a mobile field study unit is worthy of further investigation.

Motion Moved by Cr Bathgate and seconded by Ms Lefroy that the mobile field study unit be investigated further. *Carried*

8. Geomorphology Study

The Chairman tabled a draft report prepared by a consultant which evaluated the stability and capability for development of the coastline in Ningaloo Marine Park. The project involved the mapping and description of the coast into geomorphological units and described the processes that have given rise to the present landform. When complete, the study would provide valuable information for coastal management in the park.

Noted

9. Cape Range National Park Draft Management Plan

The Chairman advised members that the plan was not a revised version of the 1983 Report on Ningaloo. He explained that S33 of the CALM Act constrained management or development in the park, to 'necessary operations', and there was therefore a need to have an approved plan for development of the complex at Milyering. As most facility development for Ningaloo would take place in Cape Range, it was important to do the Cape Range Plan first.

The Chairman explained that there were three components to the park i.e. Ningaloo Marine Park, Cape Range National Park and the coastal park jointly managed with the Shire. He progressively worked through the preface in the draft plan which had been circulated explaining pertinent points including technicalities and the legal framework for nomenclature. Discussion on park names took place with the consensus that the name Cape Range National Park should be retained.

It was pointed out that there will be two other plans of management and these, together with the Cape Range Plan, would be implemented as an integrated unit.

The draft plan was reviewed by the committee and it was decided that comments would be forwarded by June 30 to the Chairman. The program was for the plan to go to the National Parks and Nature Conservation Authority on July 11. October 30 remains the date for Proclamation of Ningaloo, with simultaneous declaration of State and Commonwealth areas. An option was to re-state the boundaries of the park giving notice of intent to declare it, and advise that a plan of management was in preparation.

Noted

10. Workshops for Ningaloo Draft Management Plan

It was felt that in terms of timing, the end of July and early August was appropriate for workshops in Exmouth, to pre-cede the development of a draft plan of management for Ningaloo. Workshop sessions would be on:

Amateur fishing;
Professional and Charter fishing;
Recreation and Tourism; and
Business and Commercial

There would also be a Shire Council briefing.

It is anticipated that the draft plan for Ningaloo could be prepared by the end of August for discussion with the Shire of Exmouth in relation to management of the coastal park. It is tentatively planned to have the October meeting of the NPNCA for release on October 30.

Noted

11. Zoning

A background paper on zoning held over from the previous meeting was discussed as the basis for establishment of zones in the park. It was considered that in addition to long term zones such as General Use, Recreation and Sanctuary, 'short term' zones of a temporary nature could be appropriate, to be able to respond to urgent needs e.g. shipwreck, seasonal breeding area.

The Sanctuary zone was considered important as:

- a) a benchmark from which the effect of uses in other areas can be compared;
- b) dispersal, restocking and insurance for areas that may be degraded;
- c) prime areas for viewing undisturbed habitats; and
- d) areas in their own right.

Noted

Other Business

1. A proposal by RDG International for a resort complex and marina in Exmouth and a satellite development at Jurabi was tabled. The Chairman advised members that it was not likely to be accepted as another marina

proposal in Exmouth preceeded this proposal and there was only room for one. It would require a more complete documentation before authorities could consider it futher.

CALM considered the satellite development dubious and would not accept it in principle.

Noted

Next Meeting In the week of July 28.