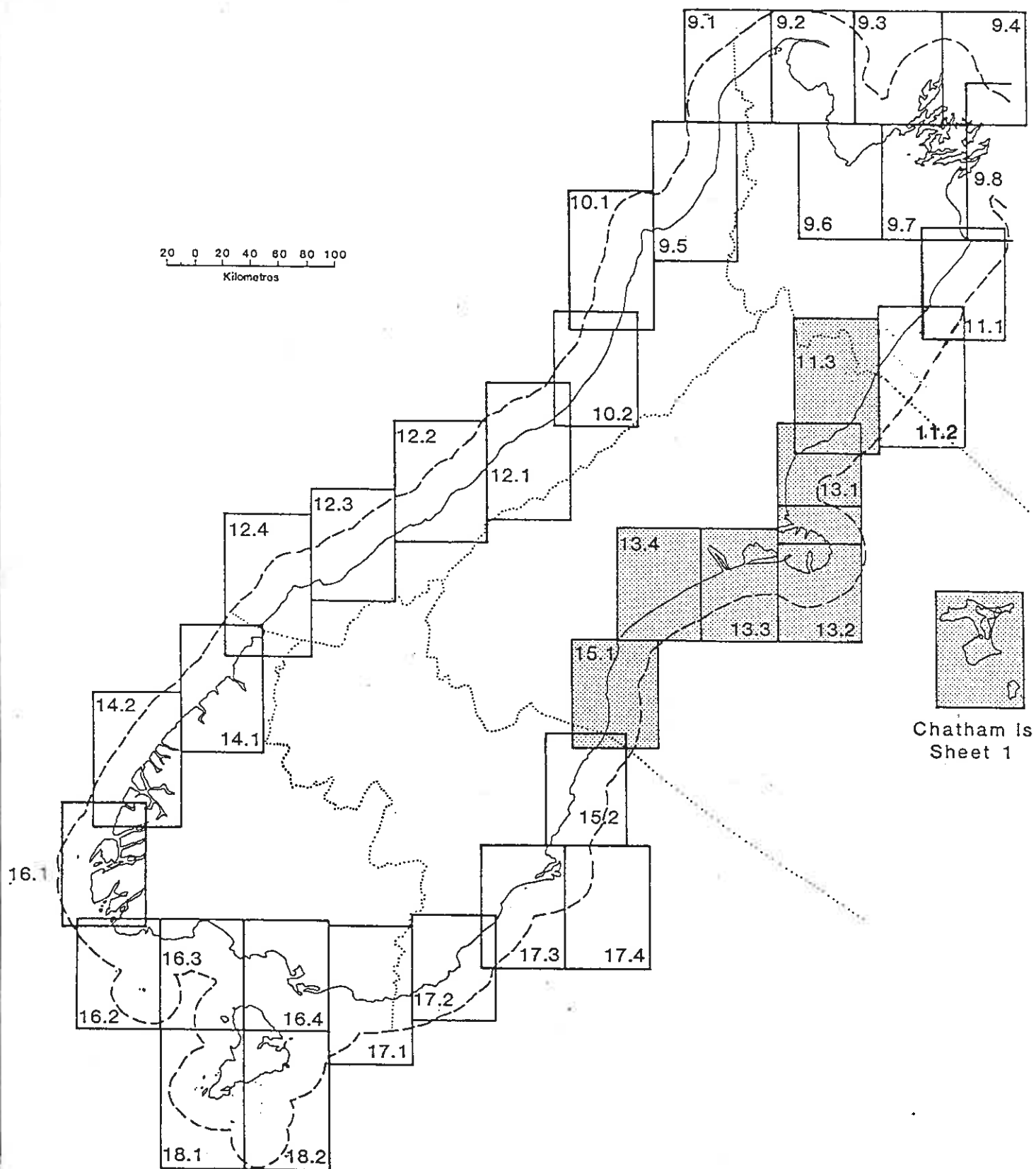



Base Maps


5.1.1 SOUTH ISLAND BASE MAPS
C.R.I. FIRST ORDER SURVEY
LOCATION OF BASE MAPS



Conway Flat c,d,e,g,h,f 

Waiau River a,c 

Shag Rock a,c,e 

Jed River - Port Robinson e,g 

Manuka Bay - Hurunui River Mouth e,g 

Napenape b,c,e,h 

1 NATURAL VALUES

Features of Important Natural Value:

- (a) high degree of naturalness
- (b) rare/unique species, communities or habitats
- (c) important breeding/ feeding/ roosting/ haulout/ nursery areas
- (d) fragile/environmentally sensitive areas
- (e) unique or unusual landforms
- (f) representativeness
- (g) known scientific value
- (h) known national or international importance
- (i) other

11.3
1
Natural Values

Conway Flat 



Waiau River  a,c

Shag Rock  a,c

Jed River - Port Robinson  b,c

Manuka Bay - Hurunui  a,b,c

Napenape  a,c



2 CULTURAL VALUES

Features of Important Cultural Value

(a)	traditional use
(b)	aesthetic value
(c)	land/seascape value
(d)	spiritual value
(e)	educational value
(f)	other

Conway Flat a,b

Waiau River a,b

Shag Rock d

Jed River - Port Robinson a,b,c

Manuka Bay - Hurunui
River Mouth a,b

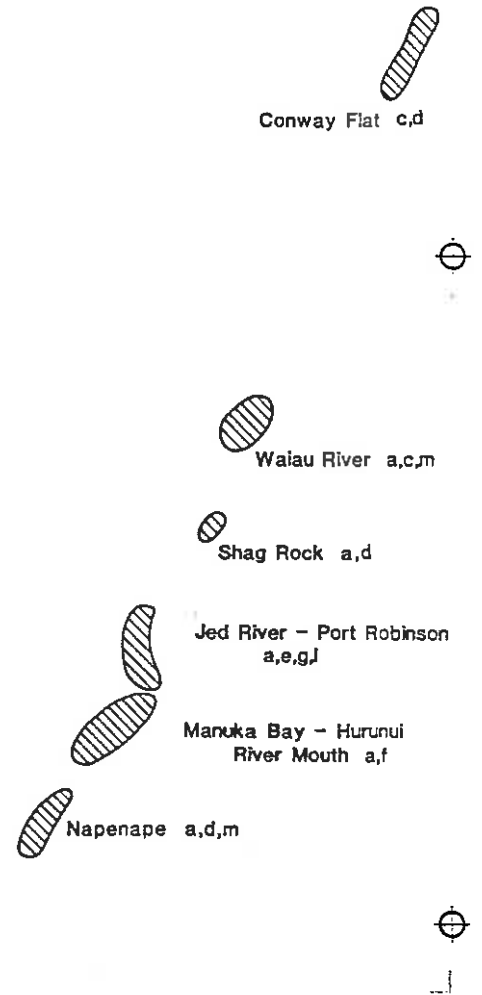
Napenape a,b

3 HISTORIC VALUES

Features of Important Historic Value:

- (a) known historic value
- (b) archaeological value - Maori origin
- (c) archaeological value - non-Maori origin
- (d) shipwrecks & wreck sites
- (e) known national or international importance
- (f) other

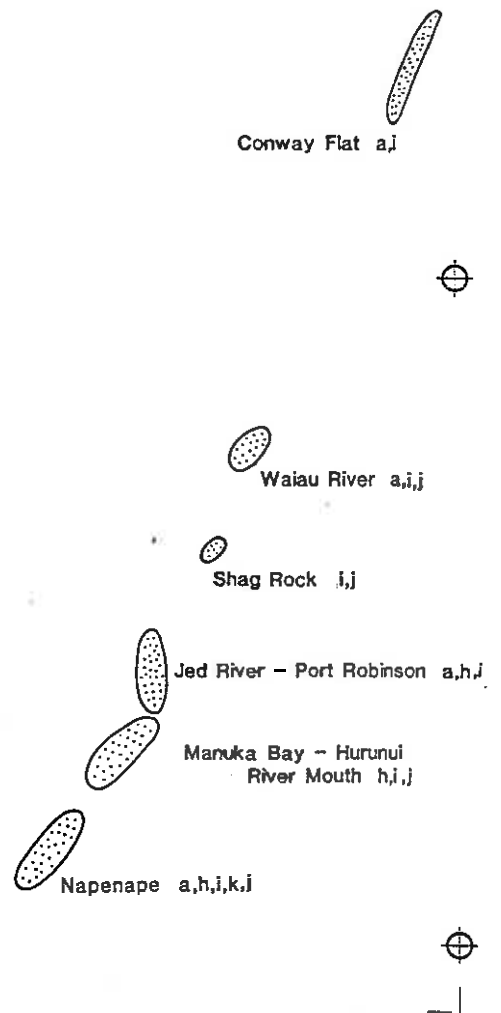
11.3
3
Historic Values



11.3
4
Existing Threats

4 EXISTING THREATS

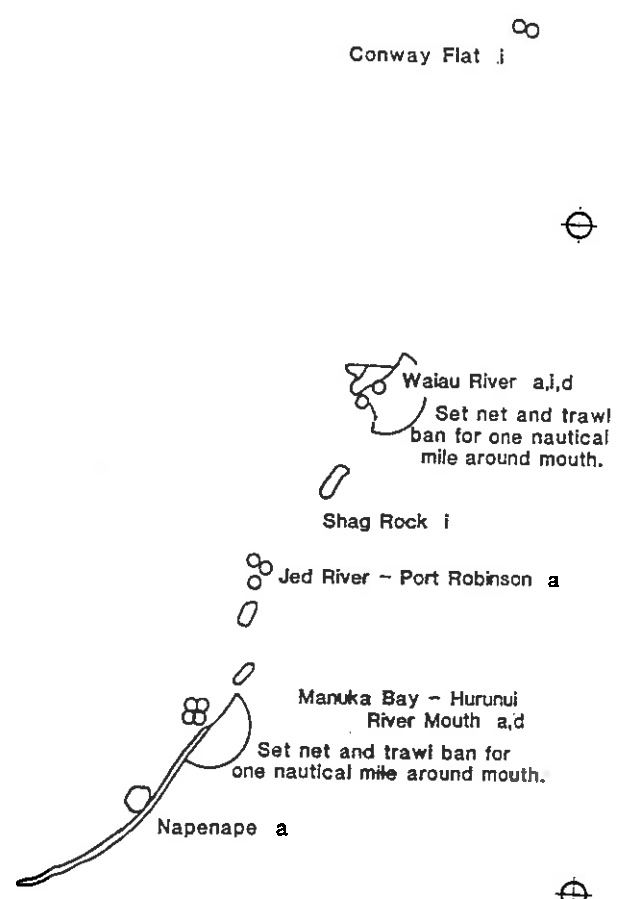
(a)	Erosion, flooding, landslip
(b)	Siltation
(c)	Noxious or invasive exotic plants
(d)	Noxious or farmed animals
(e)	Water pollution
(f)	Mining
(g)	Shore stabilisation works
(h)	Aquaculture
(i)	Fishing techniques
(j)	Spoil or refuse dumping
(k)	Recreation
(l)	Coastal sub-division
(m)	Other



11.3
5
Human Modification and Use

5 HUMAN MODIFICATION AND USE

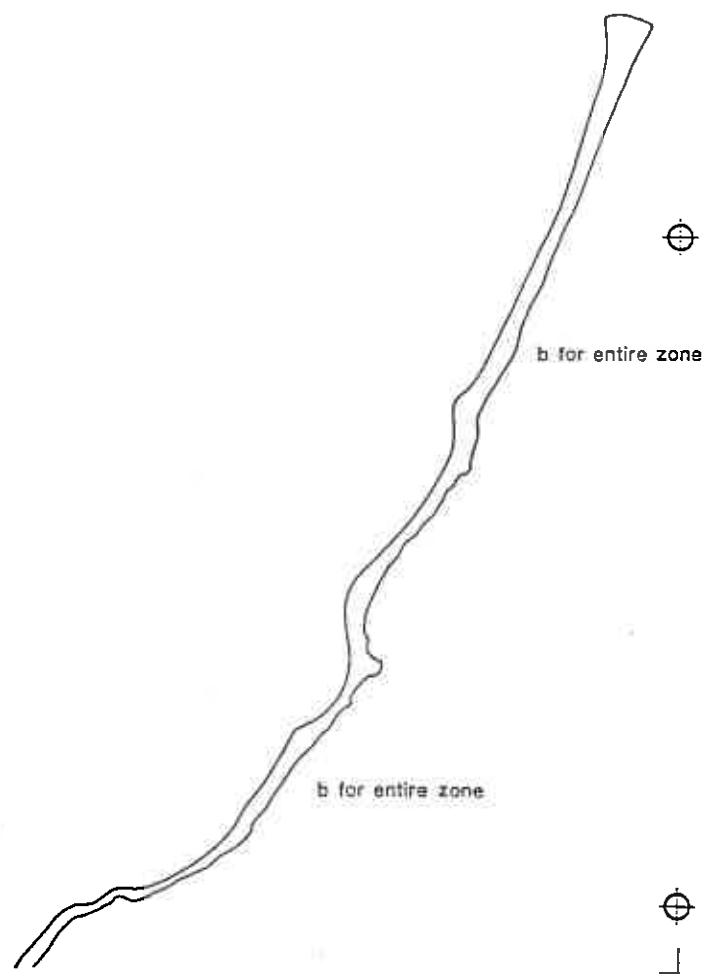
(a)	Land Development
(b)	Reclamations and causeways
(c)	Commercial port areas
(d)	Small boat harbours and moorings
(e)	Outfalls, major pipelines and cables
(f)	Artificial cuts
(g)	Beach replenishment
(h)	Shoreland-based recreation
(i)	Water-based recreation
(j)	Traditional Maori use
(k)	Other



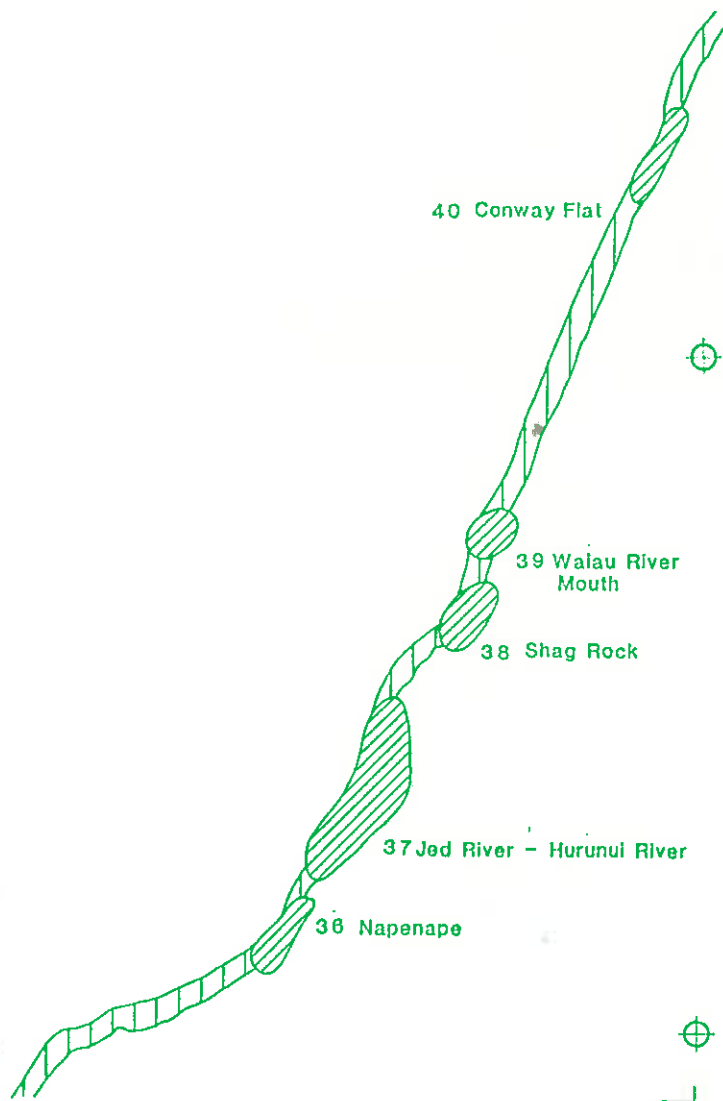
6 EXISTING PROTECTION

(a)	National protected areas
(b)	Regional protected areas
(c)	Local protected areas
(d)	Protective zoning
(e)	Marine parks
(f)	Private protected areas
(g)	Voluntary protection of areas
(h)	Rahui areas
(i)	Other




11.3
 6
 Existing Protection



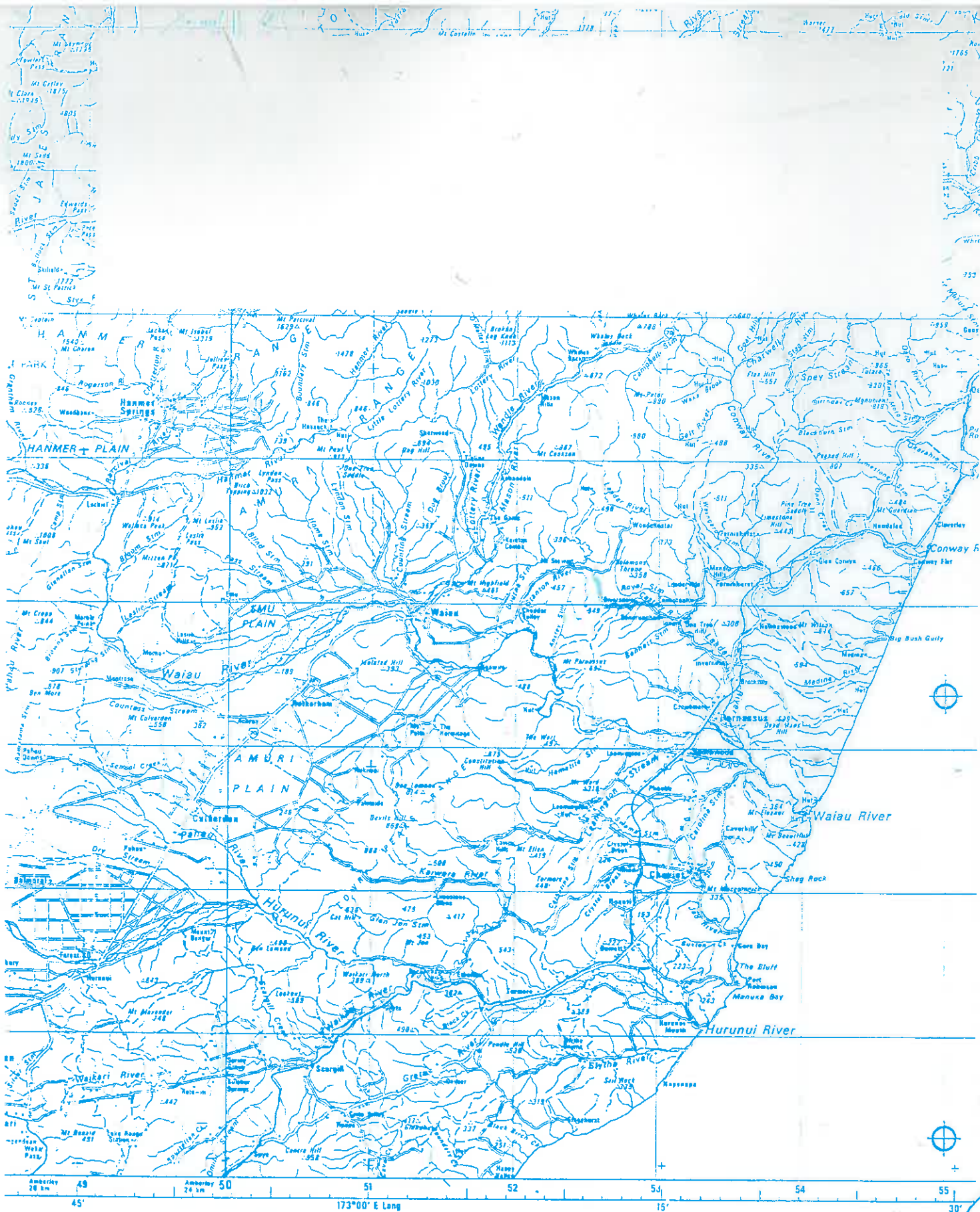
11.3
8
Head Office
Archaeological Zones




7 CONSERVATION VALUES

-  areas of conservation value
-  areas of existing information
-  areas where information is lacking

11.3
7
Conservation Values




C.R.I. First Order Survey
 Sheet 11.3
 Conservancy ... **Canterbury**
 Map No.
 Category
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Legend
 (This area is reserved for a legend but contains no text or symbols.)





Motunau Beach and Motunau Island b,c,d,e,g,h

Glenafric e,g,h

Teviotdale a,e

Amberley Beach / Leithfield Beach b,c,d,g

Ashley River / Lagoon a,b,c,d,e,g,h

Waikuku Beach - Pines Beach b,c,d

Brooklands Lagoon a,b,c,d,g

Christchurch foreshore (Waimakariri - Southshore) d,e

Avon / Heathcote Estuary b,c,d,e,g,h

Sumner Head - Godley Head b,c,e,g,h

13.1

1 Natural Values

1 NATURAL VALUES

Features of Important Natural Value:

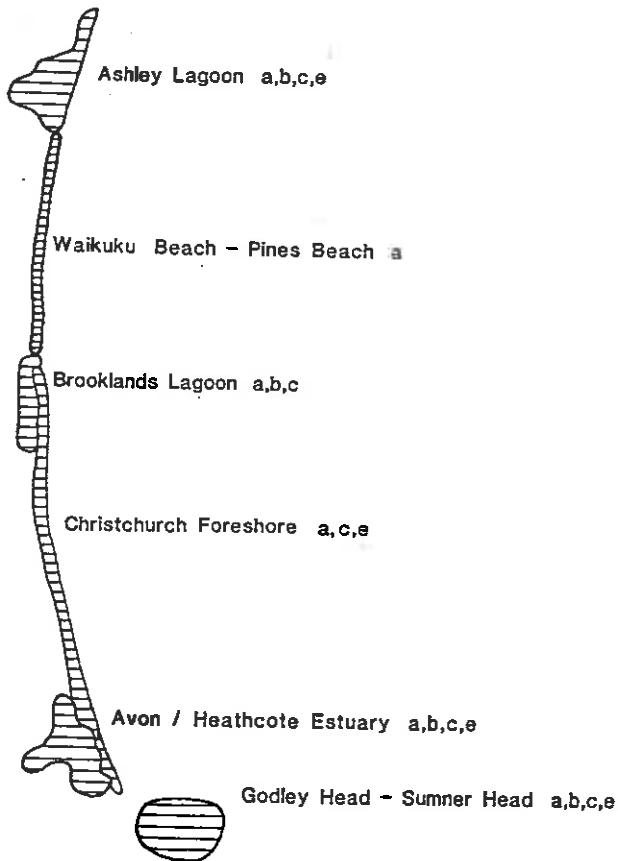
- (a) high degree of naturalness
- (b) rare/unique species, communities or habitats
- (c) important breeding/ feeding/ roosting/ haulout/ nursery areas
- (d) fragile/environmentally sensitive areas
- (e) unique or unusual landforms
- (f) representativeness
- (g) known scientific value
- (h) known national or international importance
- (i) other



Motunau Beach and Island a,c,d,e



Teviotdale a



2 CULTURAL VALUES

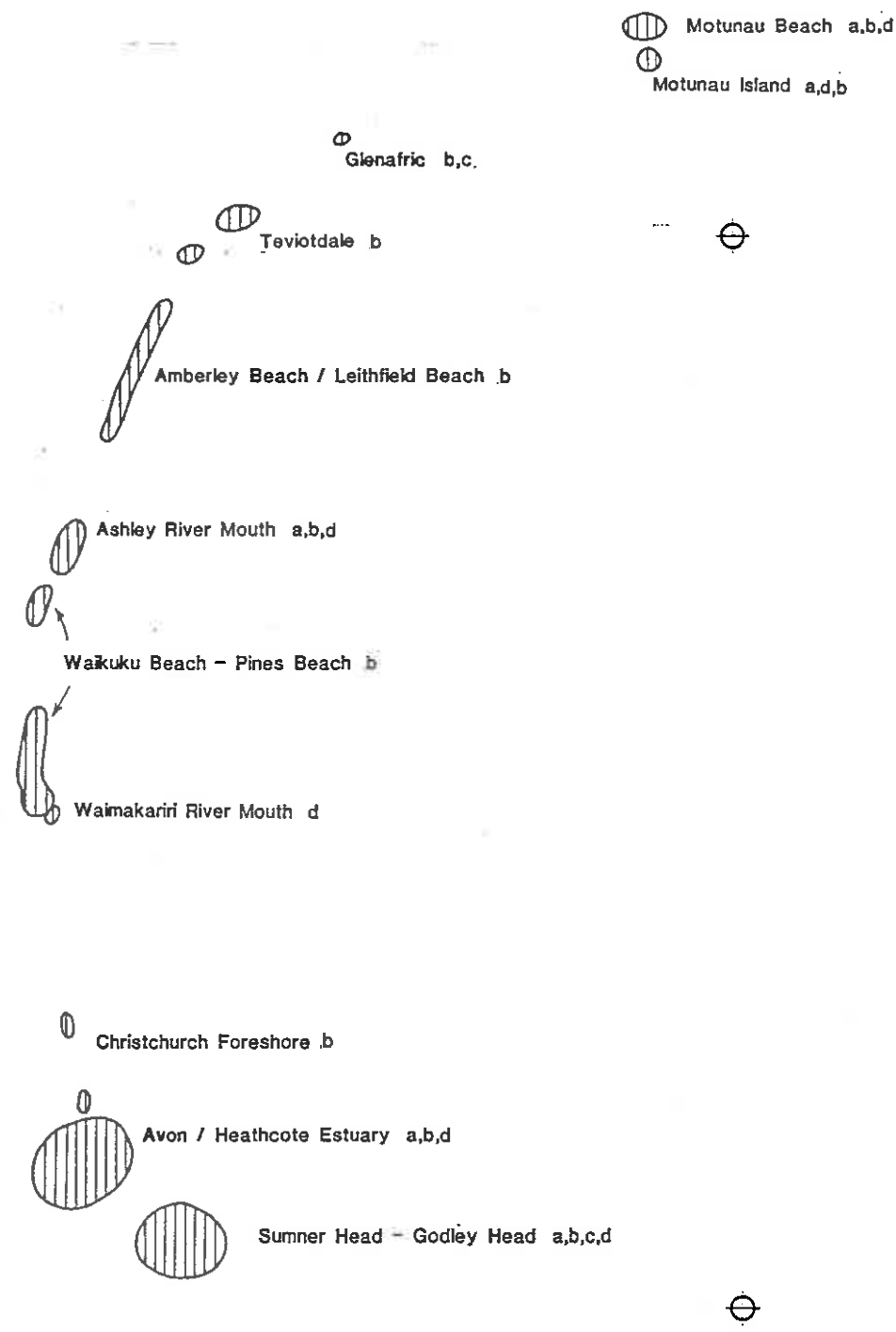
Features of Important Cultural Value

(a)	traditional use
(b)	aesthetic value
(c)	land/seascape value
(d)	spiritual value
(e)	educational value
(f)	other

13.1

2

Cultural Values

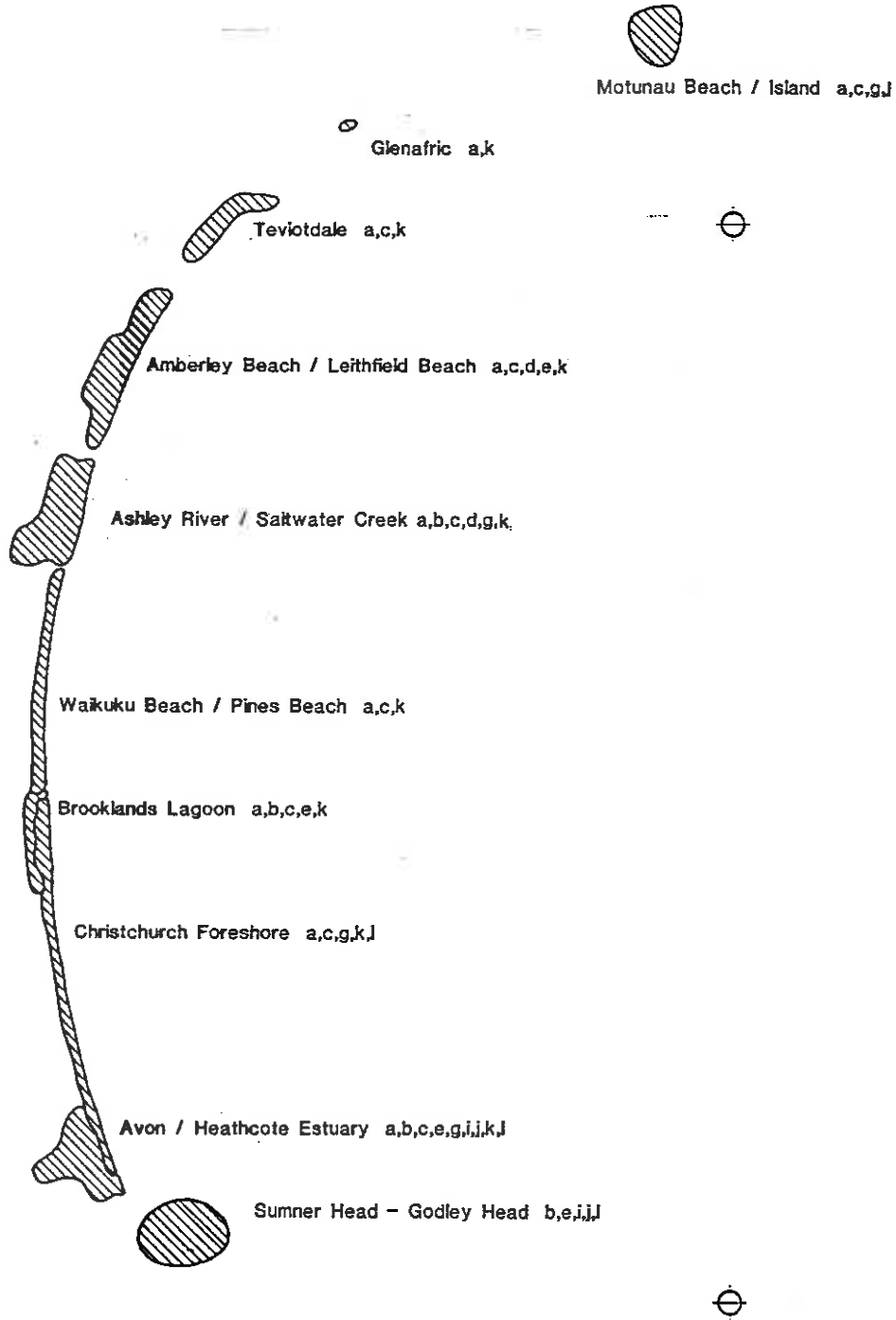


3 HISTORIC VALUES

Features of Important Historic Value:

(a)	known historic value
(b)	archaeological value - Maori origin
(c)	archaeological value - non-Maori origin
(d)	shipwrecks & wreck sites
(e)	known national or international importance
(f)	other

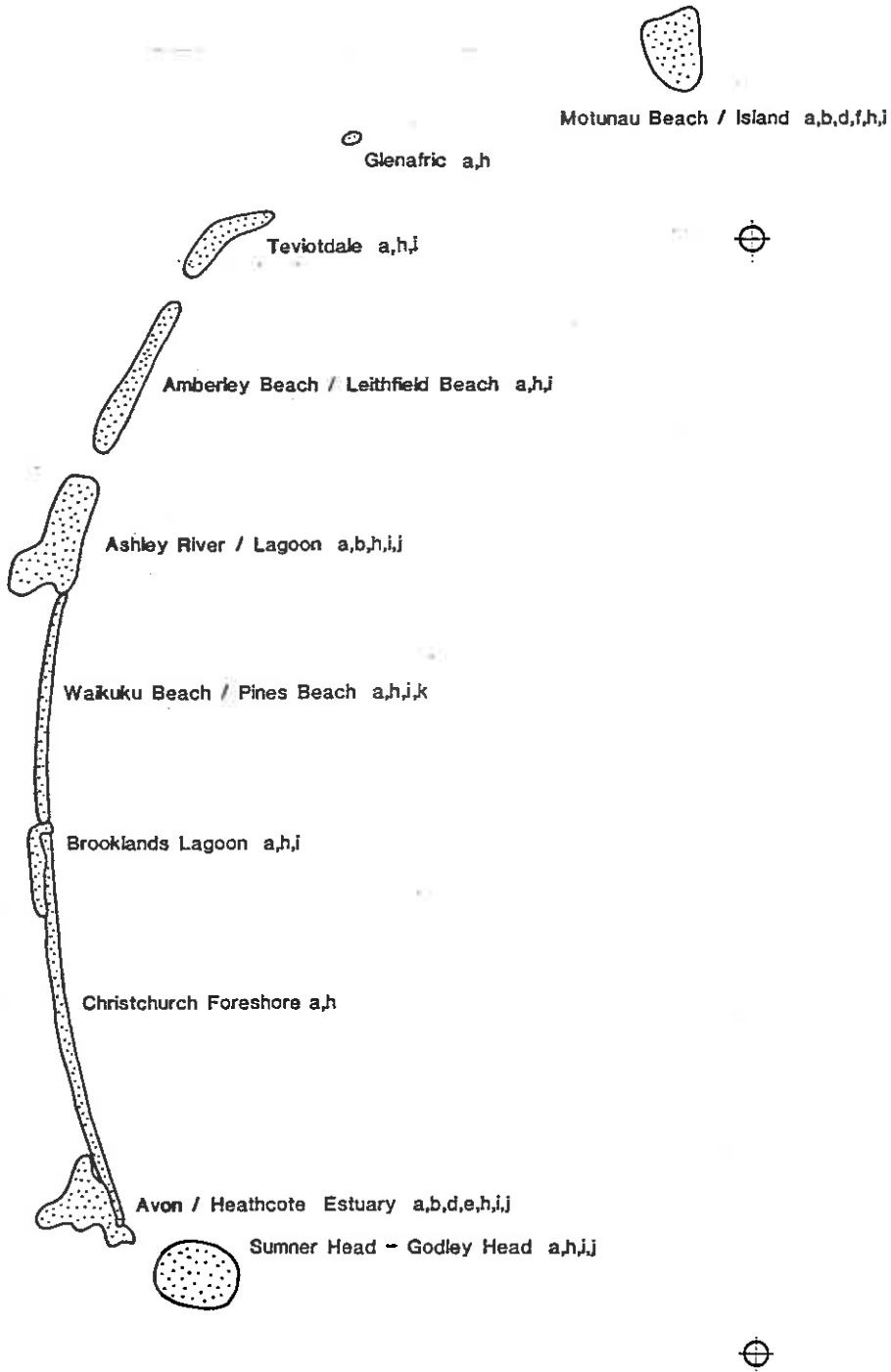
13.1
3
Historic Values



13.1
4
Existing Threats

EXISTING THREATS

(a)	Erosion, flooding, landslip
(b)	Siltation
(c)	Noxious or invasive exotic plants
(d)	Noxious or farmed animals
(e)	Water pollution
(f)	Mining
(g)	Shore stabilisation works
(h)	Aquaculture
(i)	Fishing techniques
(j)	Spoil or refuse dumping
(k)	Recreation
(l)	Coastal sub-division
(m)	Other

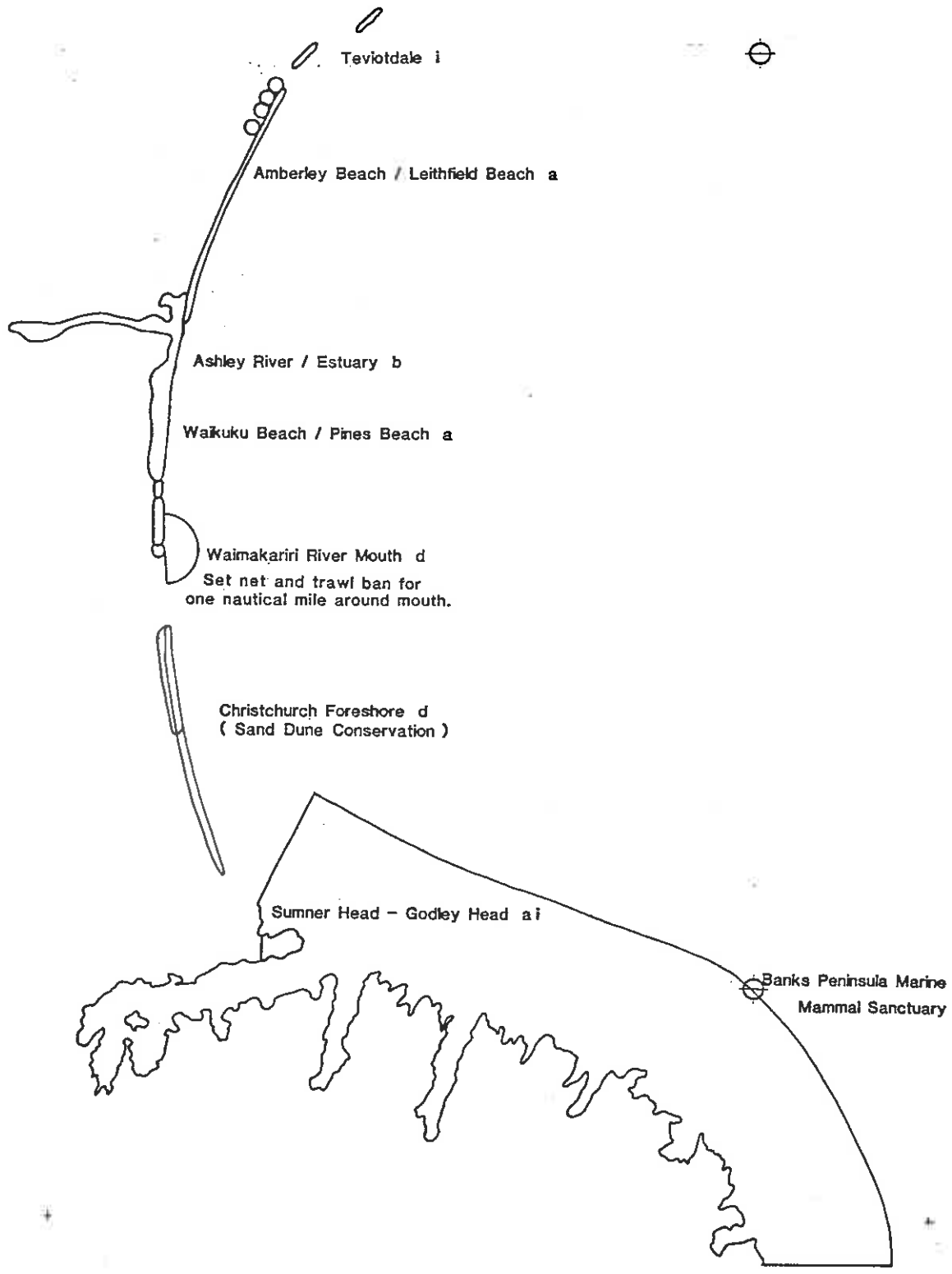


13.1
5
Human Modification and Use

5 HUMAN MODIFICATION AND USE

(a)	Land Development
(b)	Reclamations and causeways
(c)	Commercial port areas
(d)	Small boat harbours and moorings
(e)	Outfalls, major pipelines and cables
(f)	Artificial cuts
(g)	Beach replenishment
(h)	Shoreland-based recreation
(i)	Water-based recreation
(j)	Traditional Maori use
(k)	Other

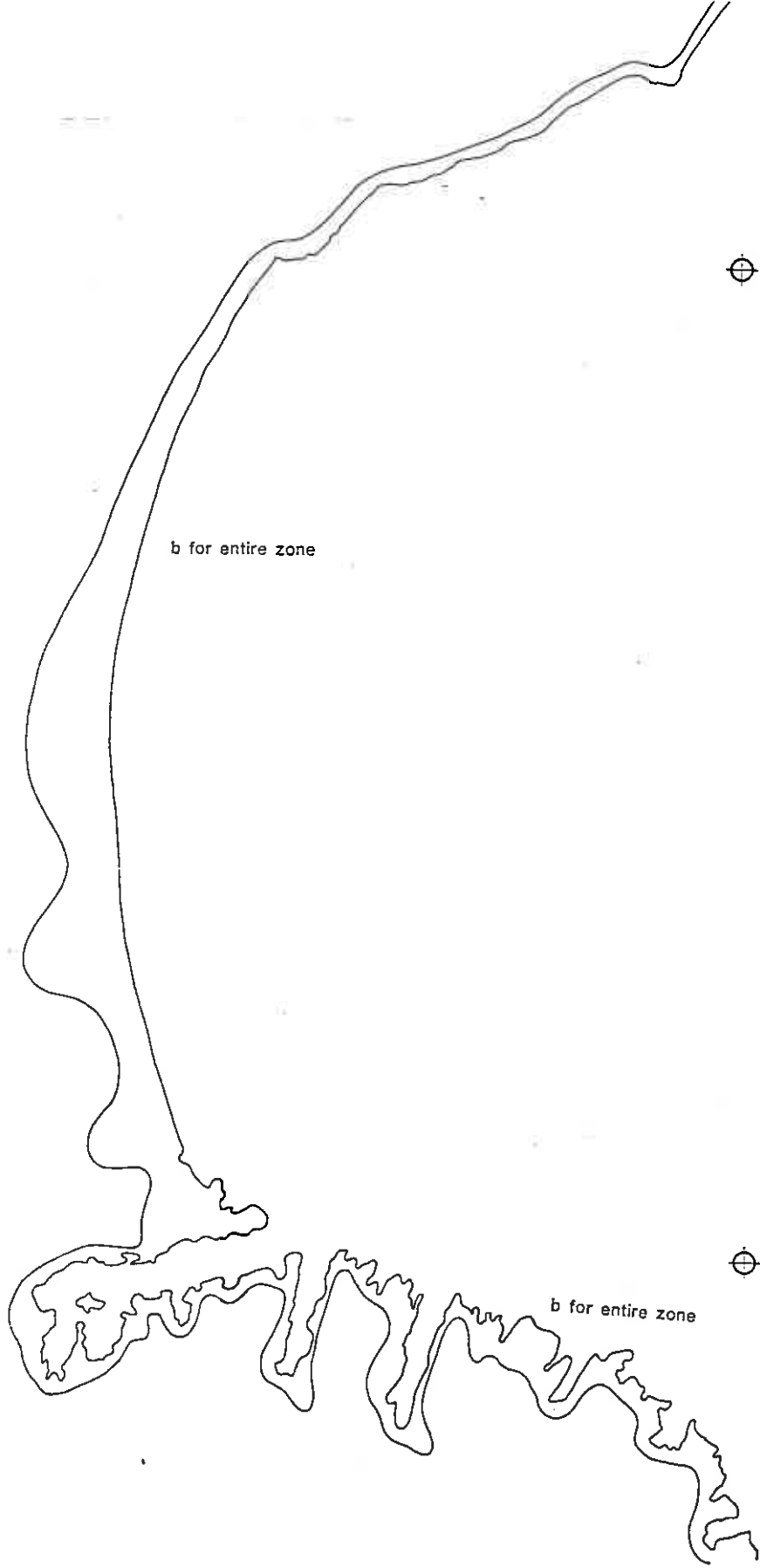
Motunau Beach / Island a



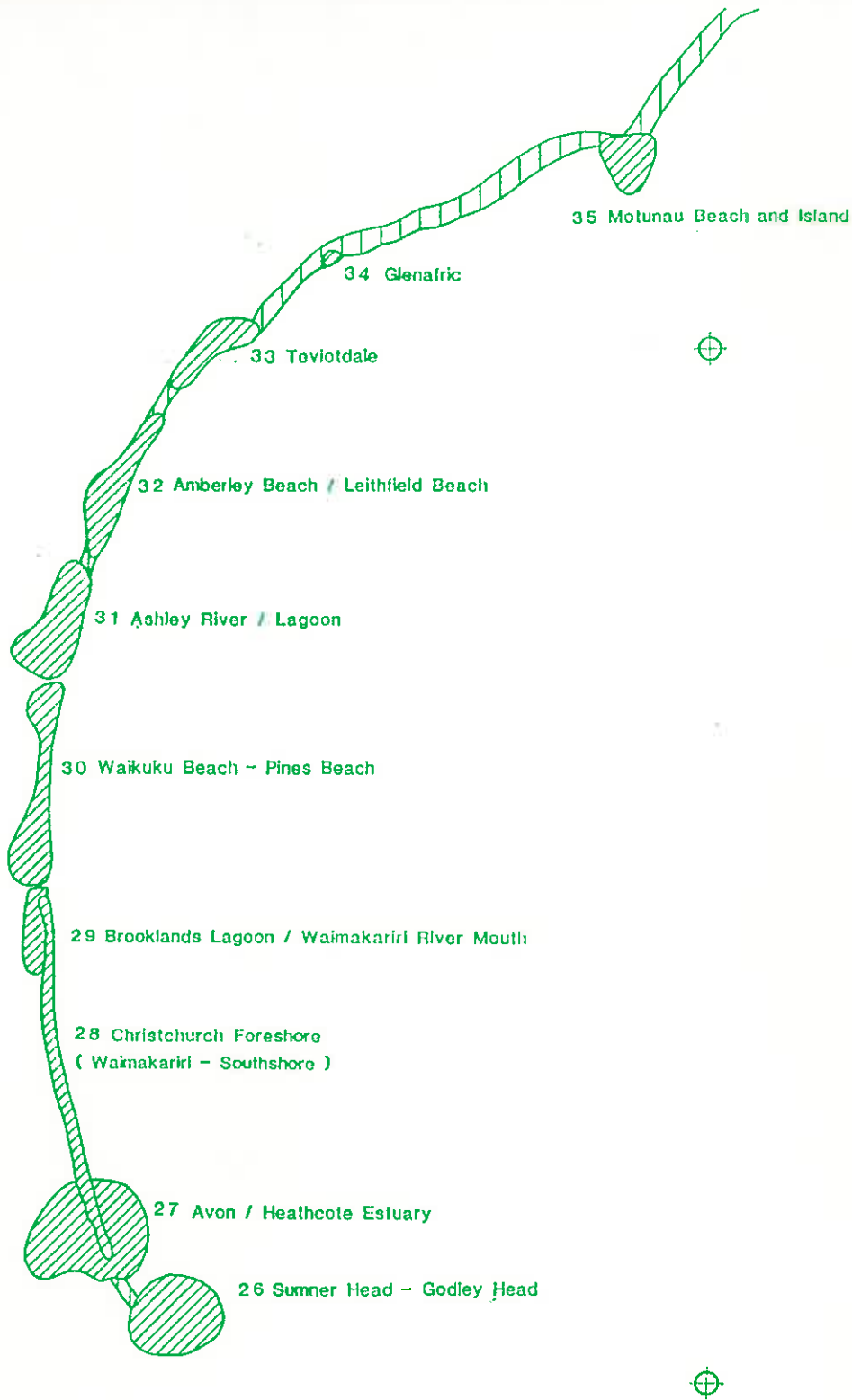
13.1
6
Existing Protection

6 EXISTING PROTECTION




(a)	National protected areas
(b)	Regional protected areas
(c)	Local protected areas
(d)	Protective zoning
(e)	Marine parks
(f)	Private protected areas
(g)	Voluntary protection of areas
(h)	Rahui areas
(i)	Other



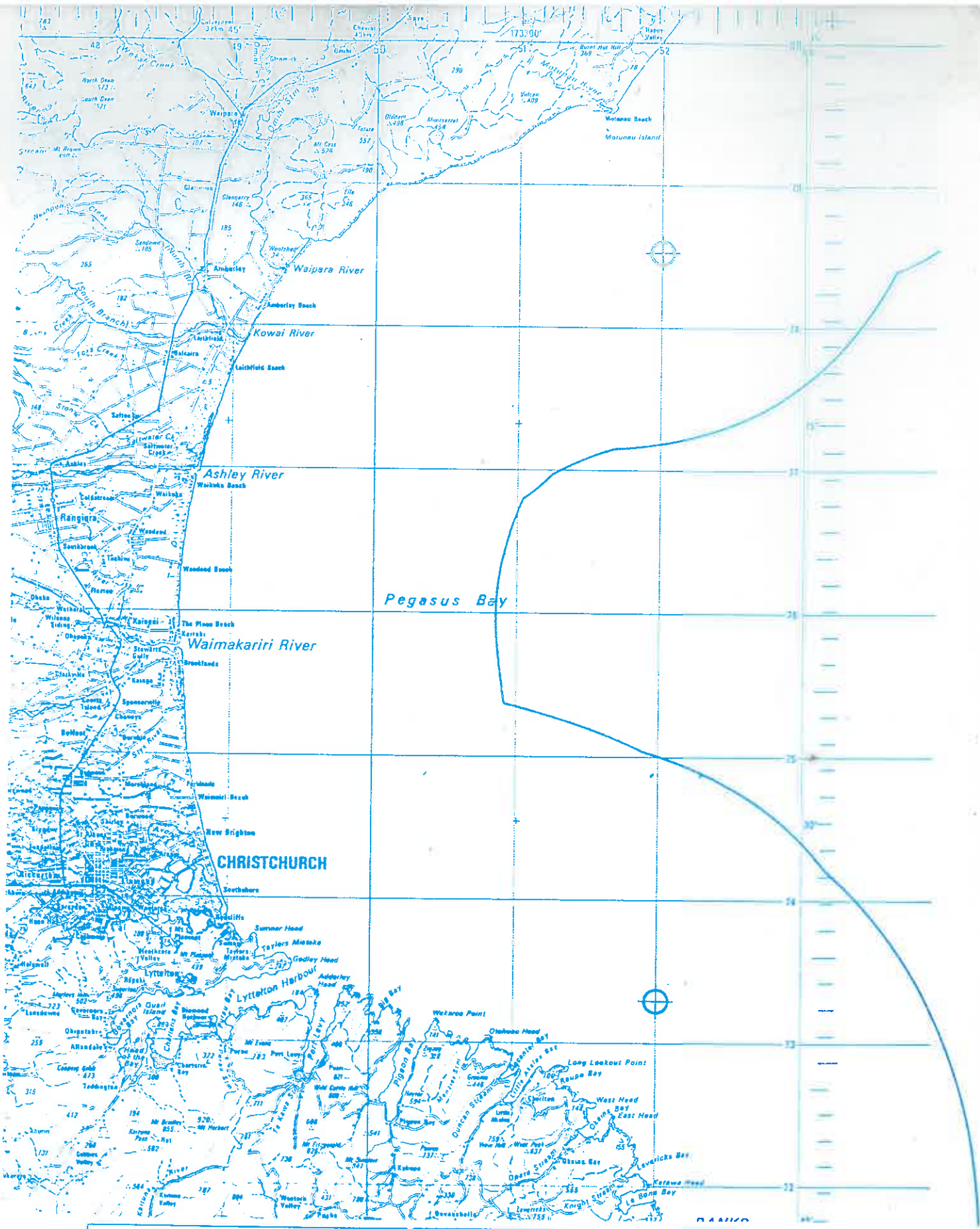
13.1
8
Head Office
Archaeological Zones




7 CONSERVATION VALUES

-  areas of conservation value
-  areas of existing information
-  areas where information is lacking

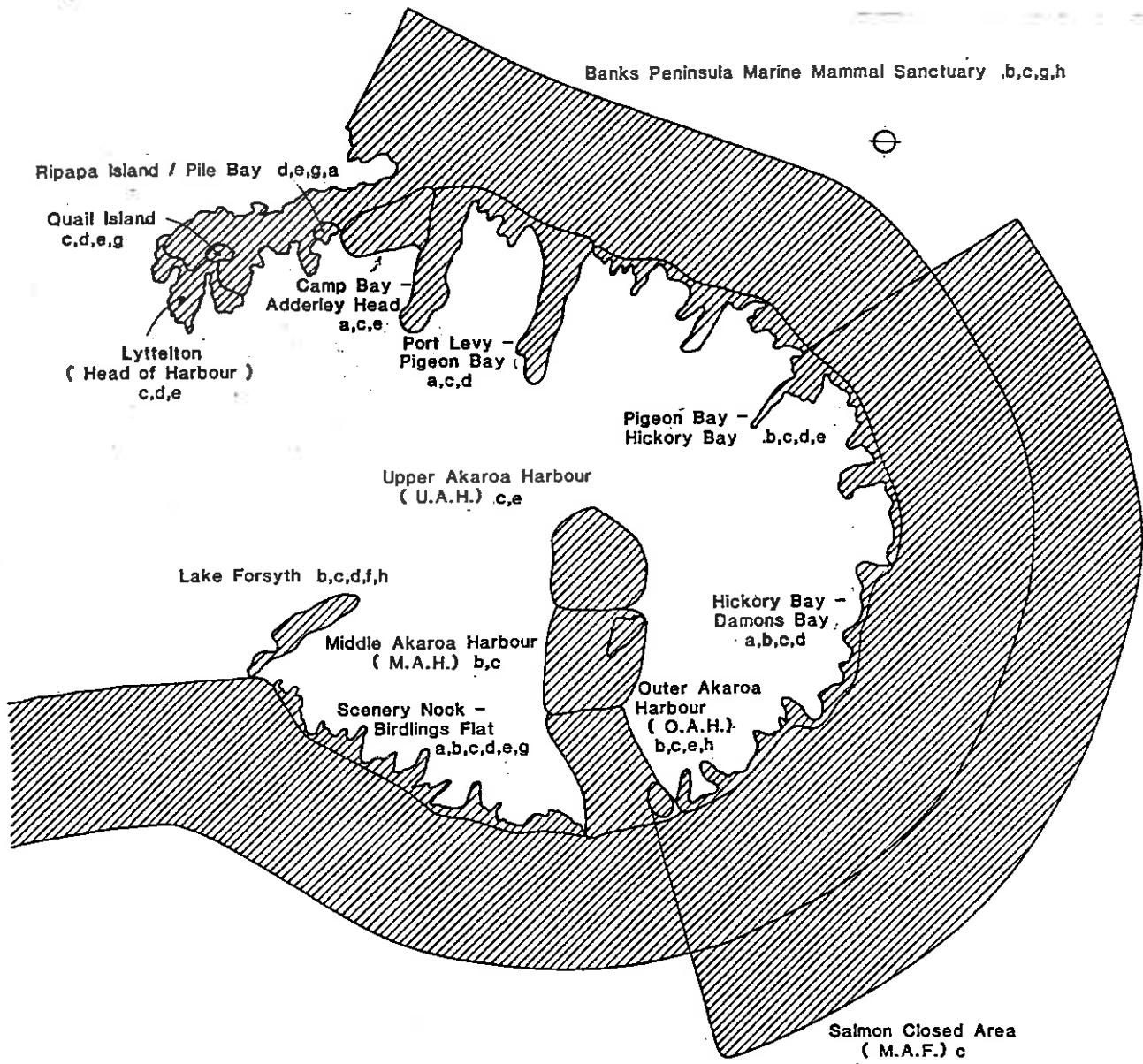
13.1
7
Conservation Values



	C.R.I. First Order Survey	
	Sheet	13.1
	Conservancy	Canterbury
	Map No.	
Category	Department of Survey and Land Information Licence 1990/52 Crown Copyright Reserved	

Legend





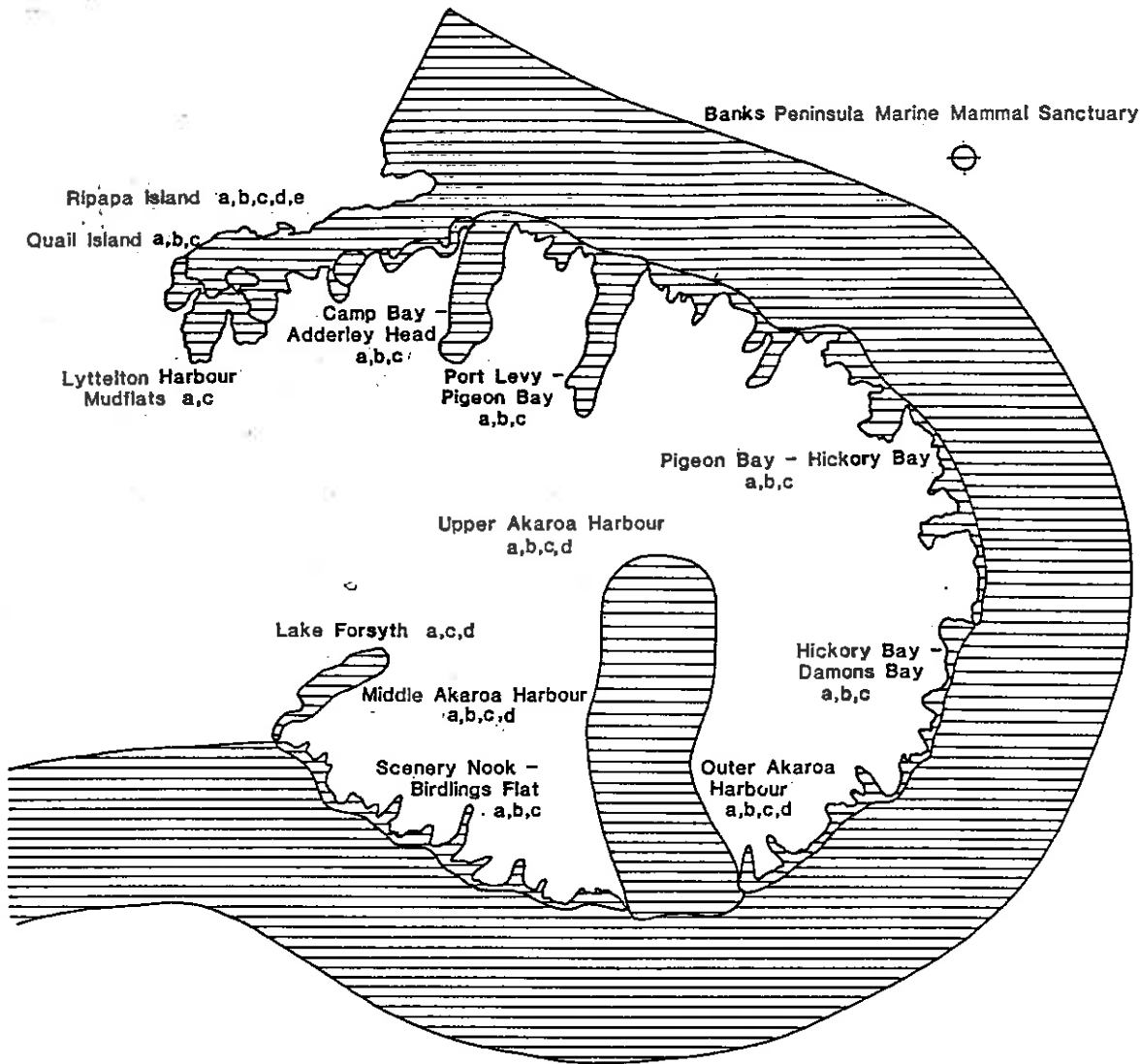
13.2

1 Natural Values

NATURAL VALUES

Features of Important Natural Value:

- (a) high degree of naturalness
- (b) rare/unique species, communities or habitats
- (c) important breeding/ feeding/ roosting/ haulout/ nursery areas
- (d) fragile/environmentally sensitive areas
- (e) unique or unusual landforms
- (f) representativeness
- (g) known scientific value
- (h) known national or international importance
- (i) other

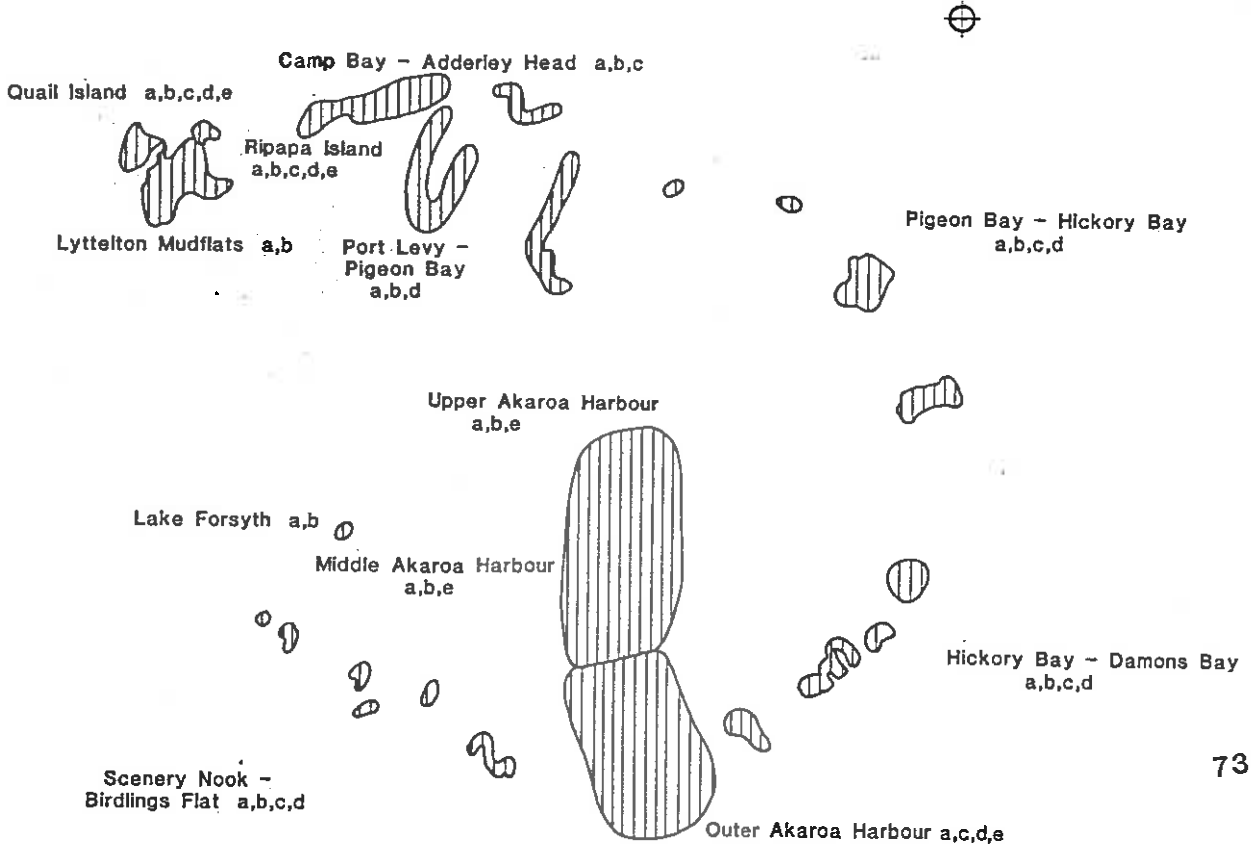


13.2
2
Cultural Values

2 CULTURAL VALUES

Features of Important Cultural Value

- (a) traditional use
- (b) aesthetic value
- (c) land/seascape value
- (d) spiritual value
- (e) educational value
- (f) other



73

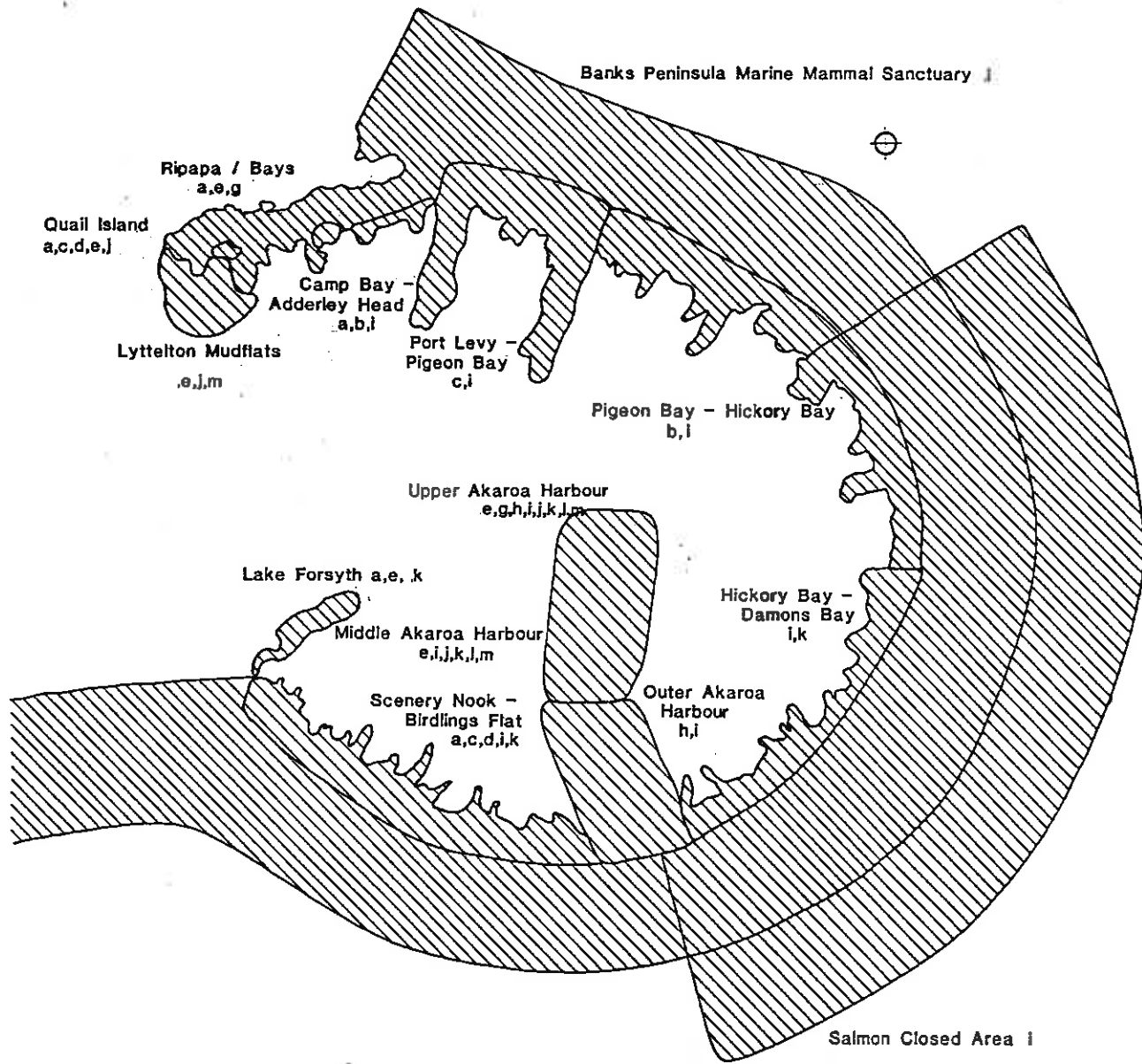
13.2

3 Historic Values

3 HISTORIC VALUES

Features of Important Historic Value:

(a)	known historic value
(b)	archaeological value - Maori origin
(c)	archaeological value - non-Maori origin
(d)	shipwrecks & wreck sites
(e)	known national or international importance
(f)	other

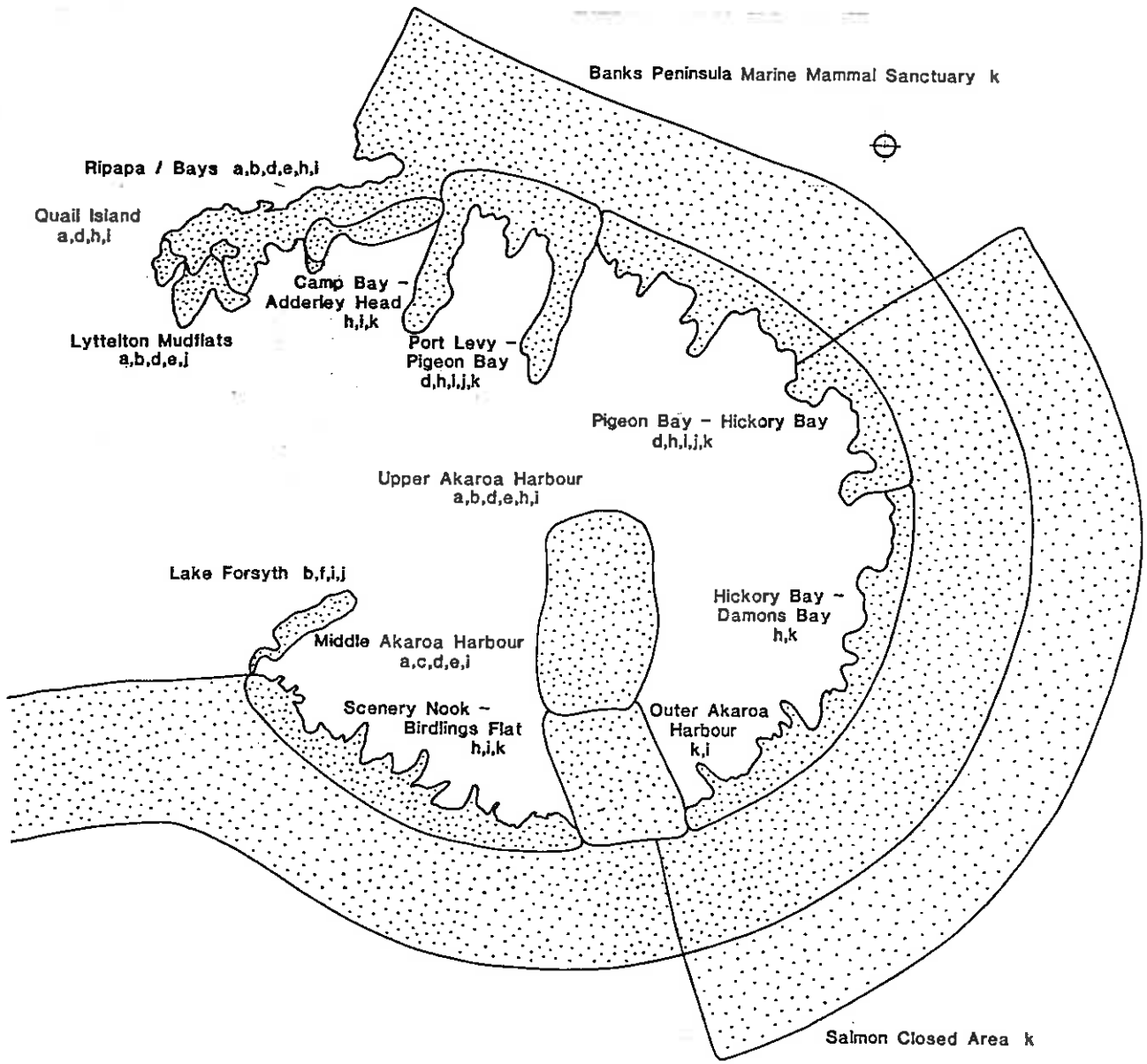


13.2

4 Existing Threats

4 EXISTING THREATS

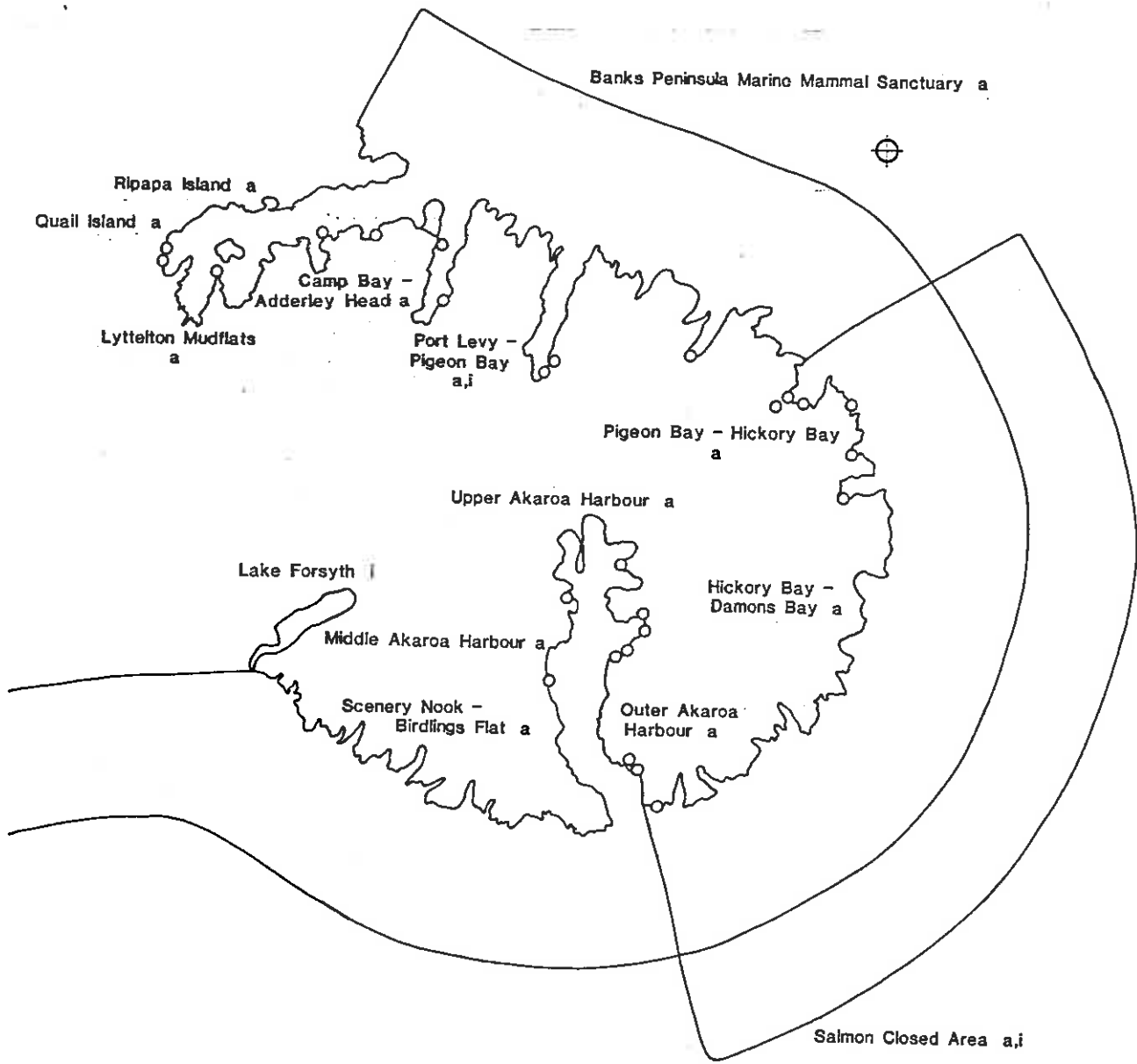
(a)	Erosion, flooding, landslip
(b)	Siltation
(c)	Noxious or invasive exotic plants
(d)	Noxious or farmed animals
(e)	Water pollution
(f)	Mining
(g)	Shore stabilisation works
(h)	Aquaculture
(i)	Fishing techniques
(j)	Spoil or refuse dumping
(k)	Recreation
(l)	Coastal sub-division
(m)	Other



13.2
5
Human Modification and Use

5 HUMAN MODIFICATION AND USE

(a)	Land Development
(b)	Reclamations and causeways
(c)	Commercial port areas
(d)	Small boat harbours and moorings
(e)	Outfalls, major pipelines and cables
(f)	Artificial cuts
(g)	Beach replenishment
(h)	Shoreland-based recreation
(i)	Water-based recreation
(j)	Traditional Maori use
(k)	Other



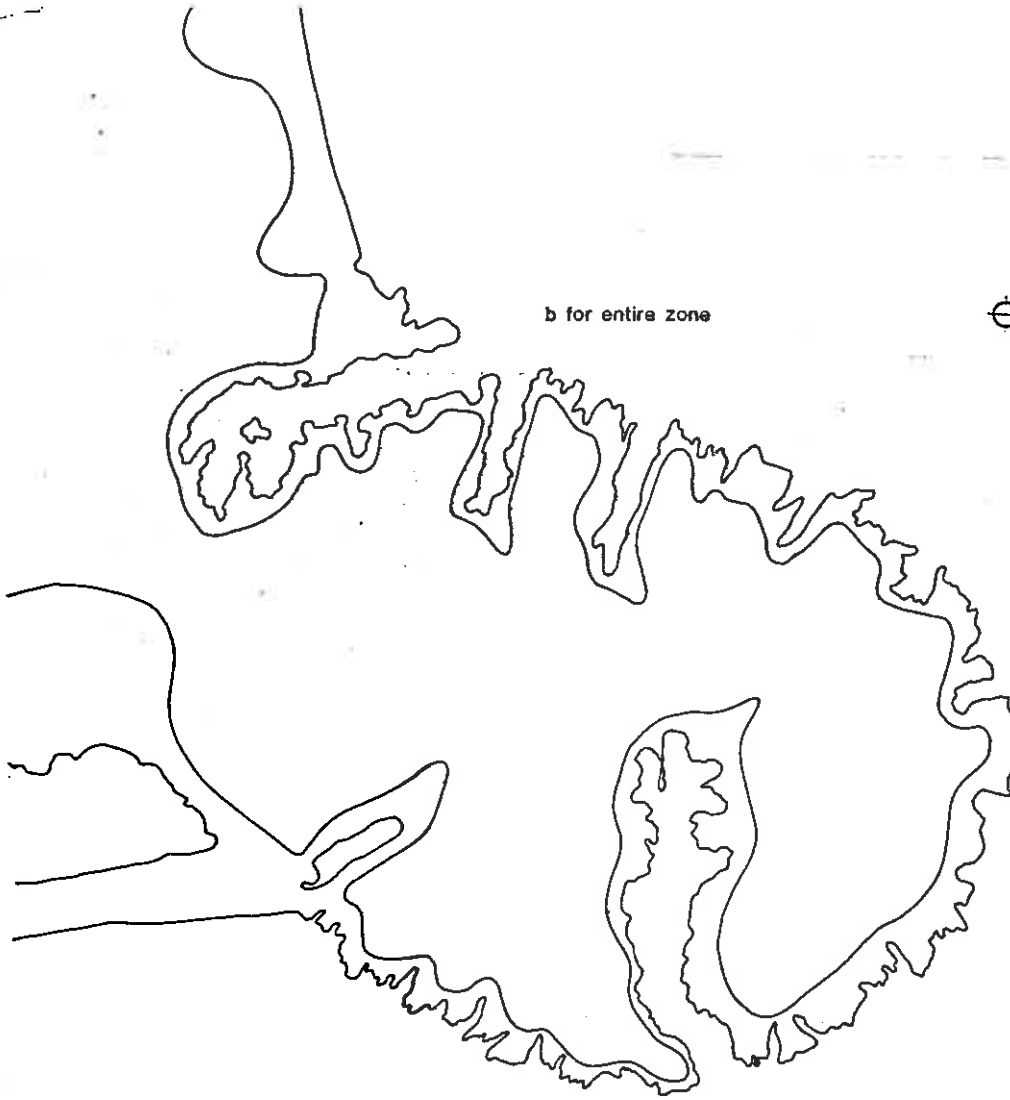
13.2

6 Existing Protection

6 EXISTING PROTECTION

(a)	National protected areas
(b)	Regional protected areas
(c)	Local protected areas
(d)	Protective zoning
(e)	Marine parks
(f)	Private protected areas
(g)	Voluntary protection of areas
(h)	Rahui areas
(i)	Other

b for entire zone



b for entire zone

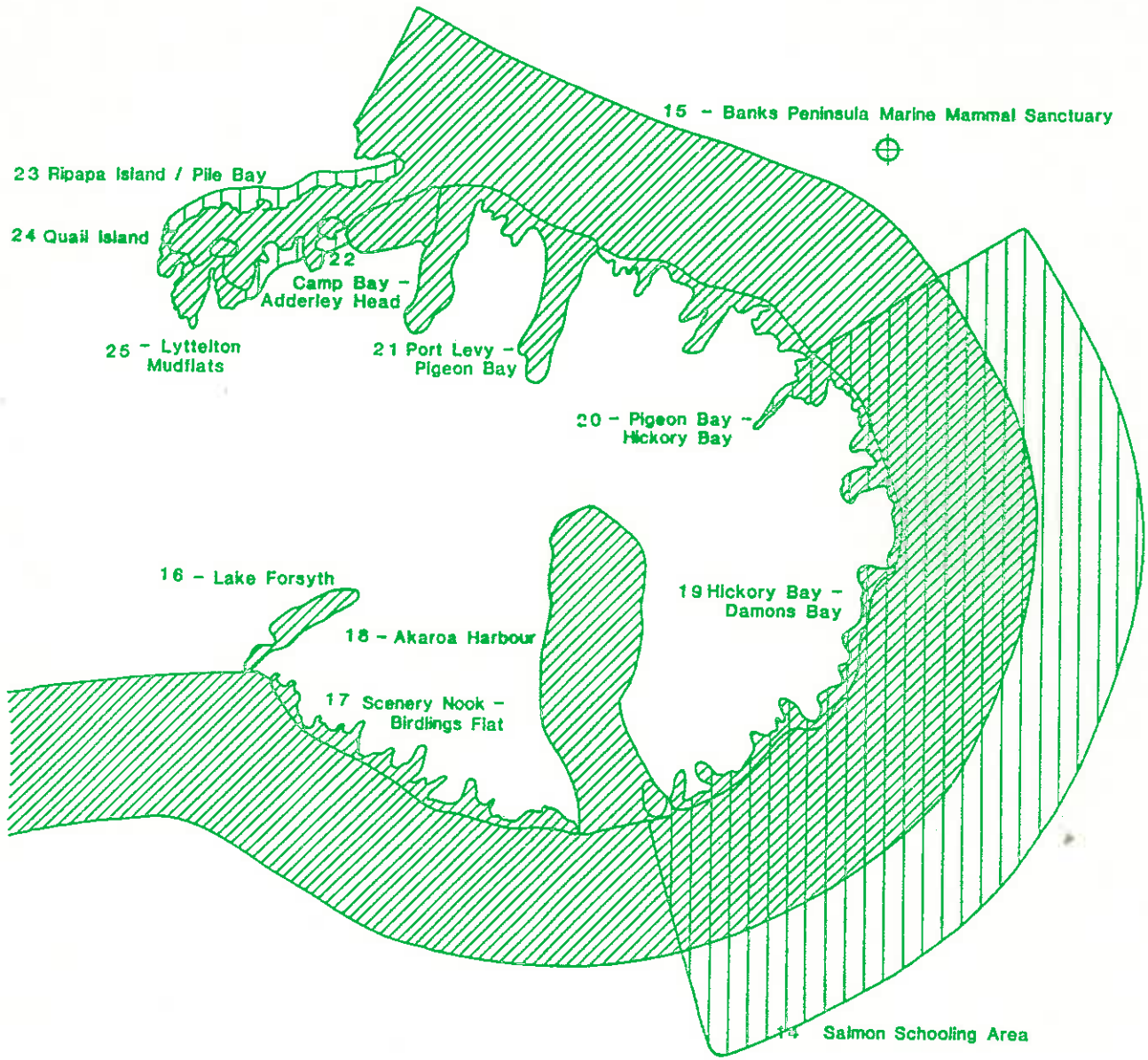


+



+

13.2

8
Head Office
Archaeological Zones

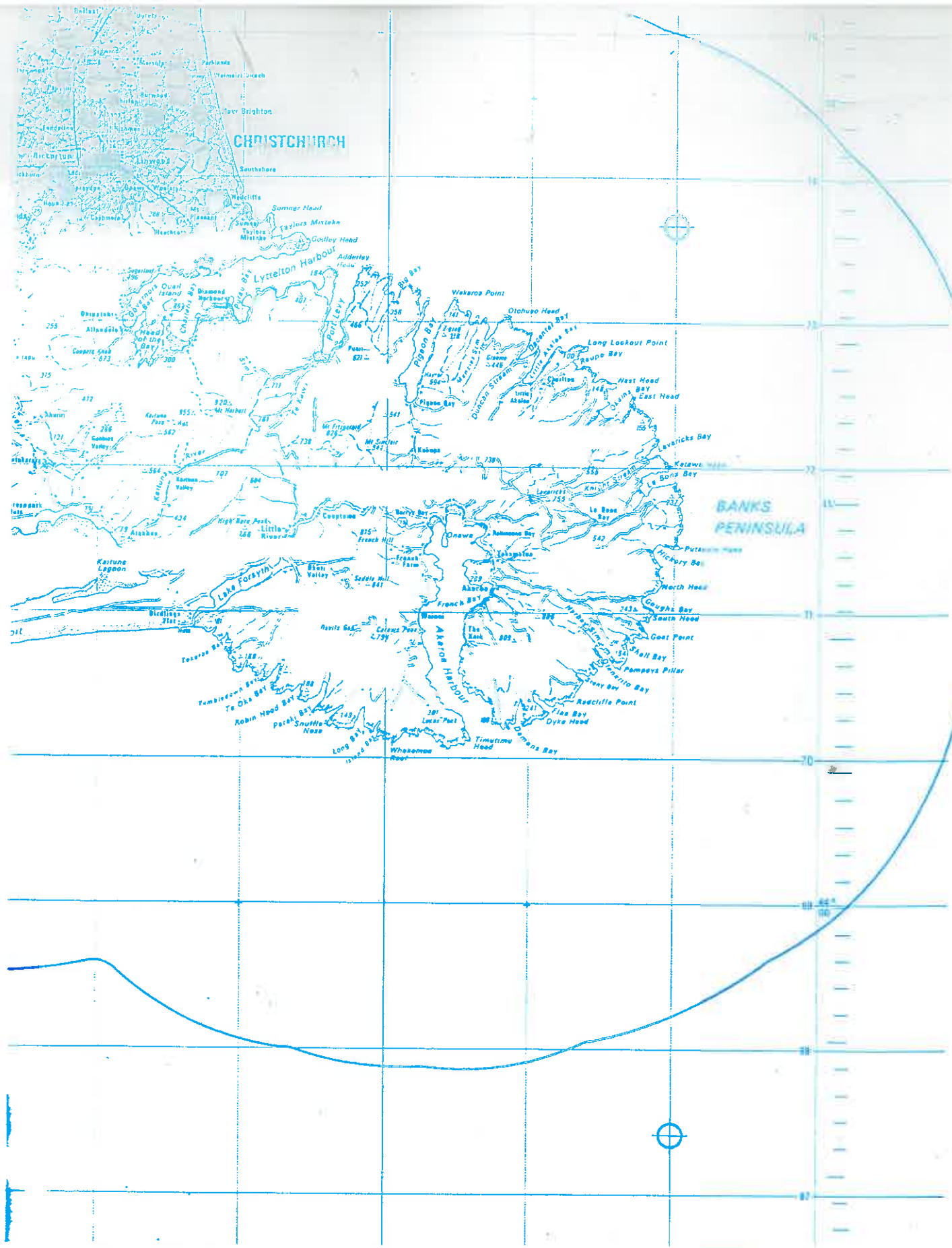



7 CONSERVATION VALUES

-  areas of conservation value
-  areas of existing information
- areas where information is lacking

13.2

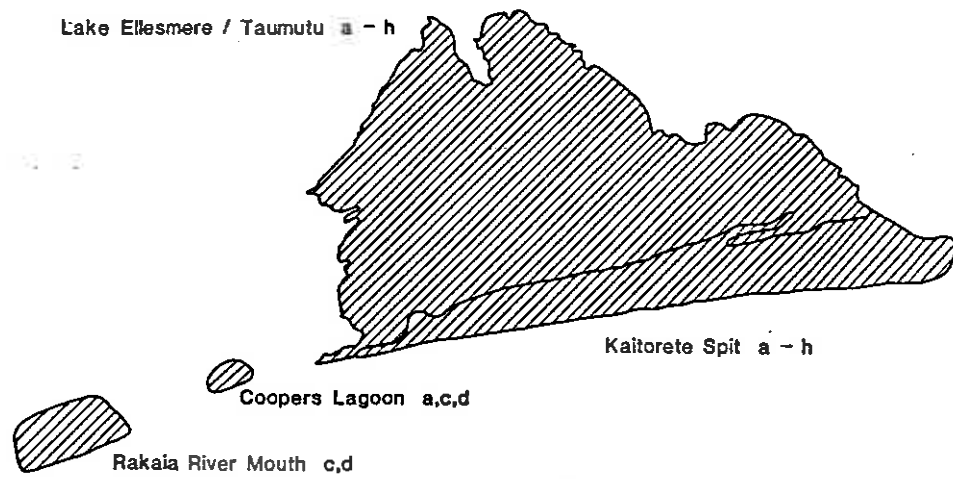
7
Conservation Values



	C.R.I. First Order Survey
	Sheet 13.2
	Conservancy Canterbury
	Map No.
	Category
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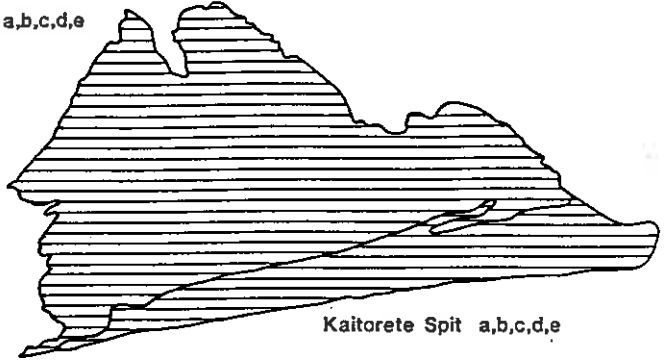
13.3
1
Natural Values

1 NATURAL VALUES

Features of Important Natural Value:

- (a) high degree of naturalness
- (b) rare/unique species, communities or habitats
- (c) important breeding/ feeding/ roosting/ haulout/ nursery areas
- (d) fragile/environmentally sensitive areas
- (e) unique or unusual landforms
- (f) representativeness
- (g) known scientific value
- (h) known national or international importance
- (i) other

Lake Ellesmere / Taumutu a,b,c,d,e



Kaitorete Spit a,b,c,d,e



Coopers Lagoon a



Rakaia River Mouth a,b,c



2 CULTURAL VALUES

Features of Important Cultural Value

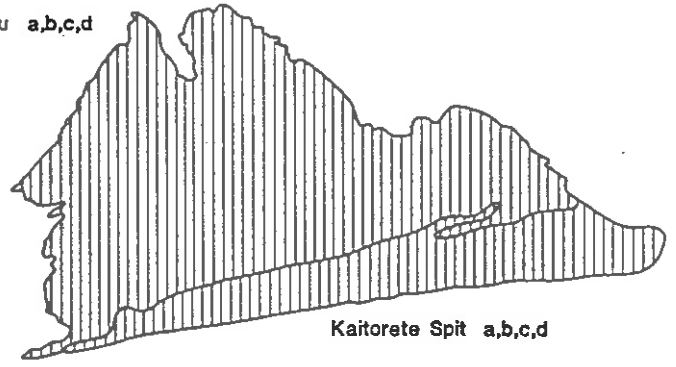
- (a) traditional use
- (b) aesthetic value
- (c) land/seascape value
- (d) spiritual value
- (e) educational value
- (f) other

13.3

2

Cultural Values

Lake Ellesmere / Taumutu a,b,c,d



Kaitorete Spit a,b,c,d


 Rakaia River Mouth b



3 HISTORIC VALUES

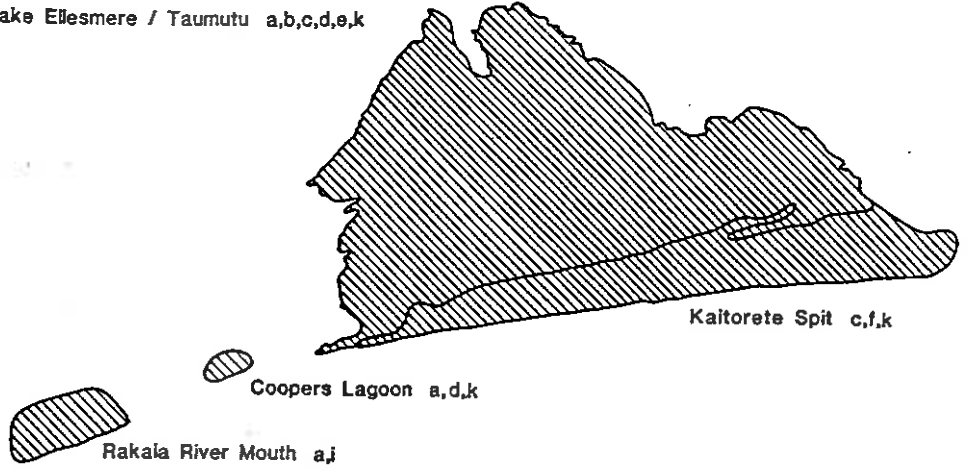
Features of Important Historic Value:

- (a) known historic value
- (b) archaeological value - Maori origin
- (c) archaeological value - non-Maori origin
- (d) shipwrecks & wreck sites
- (e) known national or international importance
- (f) other

13.3

3
Historic Values

Lake Ellesmere / Taumutu a,b,c,d,e,k



Kaitorete Spit c,f,k

Coopers Lagoon a,d,k

Rakala River Mouth a,j

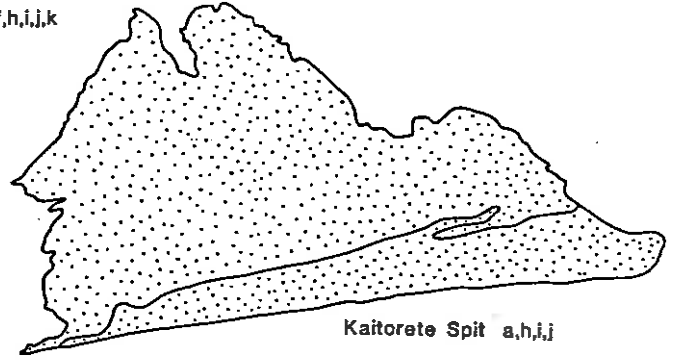
13.3

4 Existing Threats

4 EXISTING THREATS

(a)	Erosion, flooding, landslip
(b)	Siltation
(c)	Noxious or invasive exotic plants
(d)	Noxious or farmed animals
(e)	Water pollution
(f)	Mining
(g)	Shore stabilisation works
(h)	Aquaculture
(i)	Fishing techniques
(j)	Spoil or refuse dumping
(k)	Recreation
(l)	Coastal sub-division
(m)	Other

Lake Ellesmere / Taumutu a,f,h,i,j,k



Kaitorete Spit a,h,i,j



Coopers Lagoon a,i,h



Rakaia River Mouth a,h,i

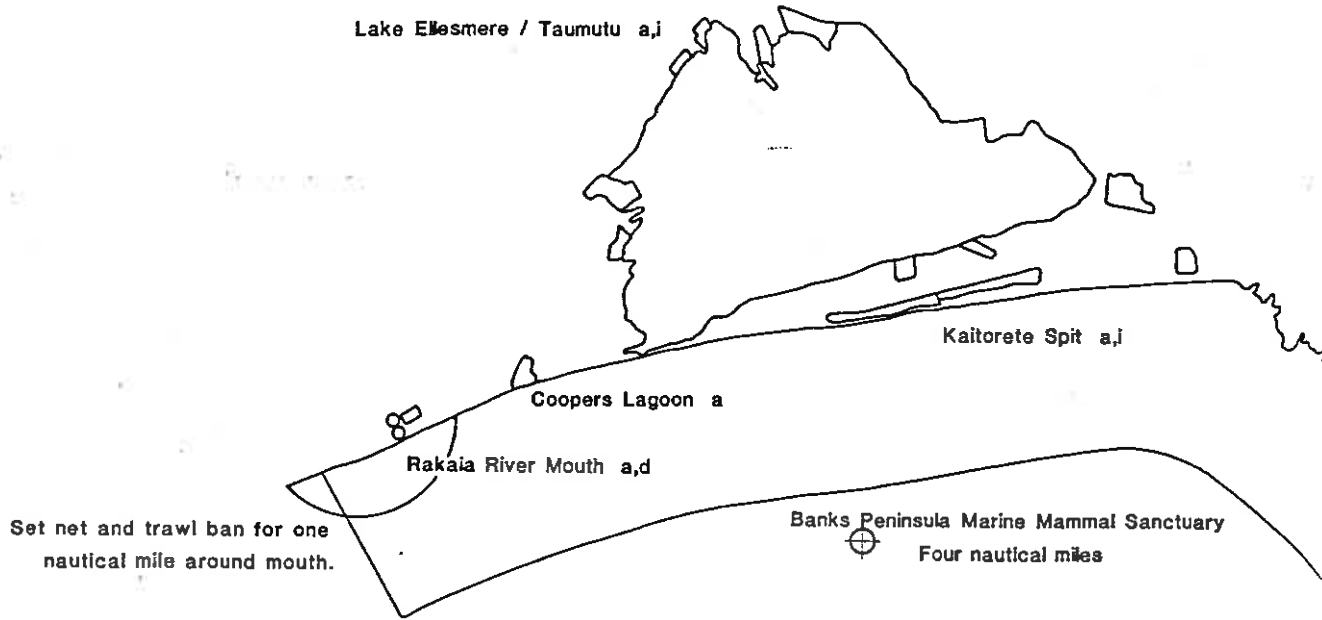


13.3

5 Human Modification and Use

5 HUMAN MODIFICATION AND USE

- (a) Land Development
- (b) Reclamations and causeways
- (c) Commercial port areas
- (d) Small boat harbours and moorings
- (e) Outfalls, major pipelines and cables
- (f) Artificial cuts
- (g) Beach replenishment
- (h) Shoreland-based recreation
- (i) Water-based recreation
- (j) Traditional Maori use
- (k) Other

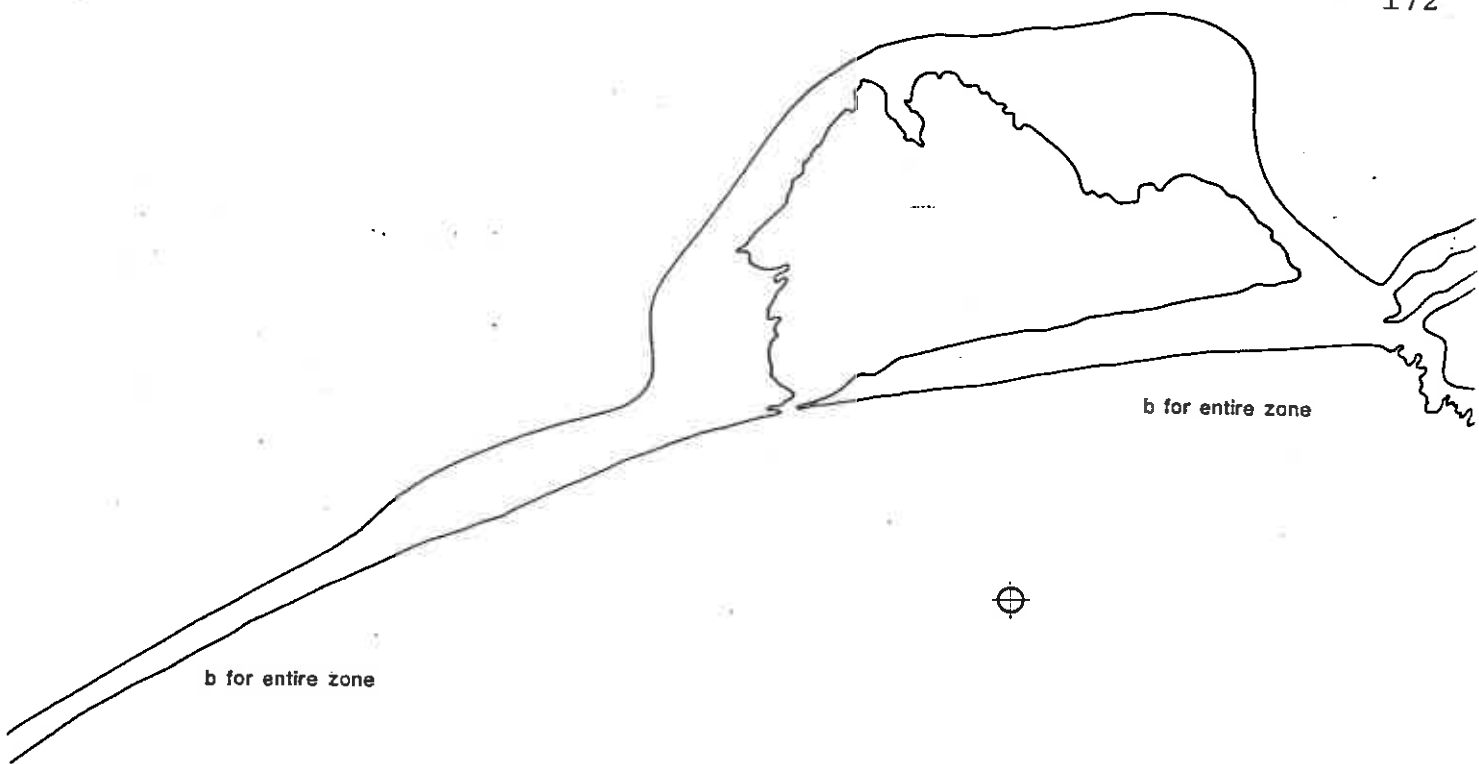


13.3

6 Existing Protection

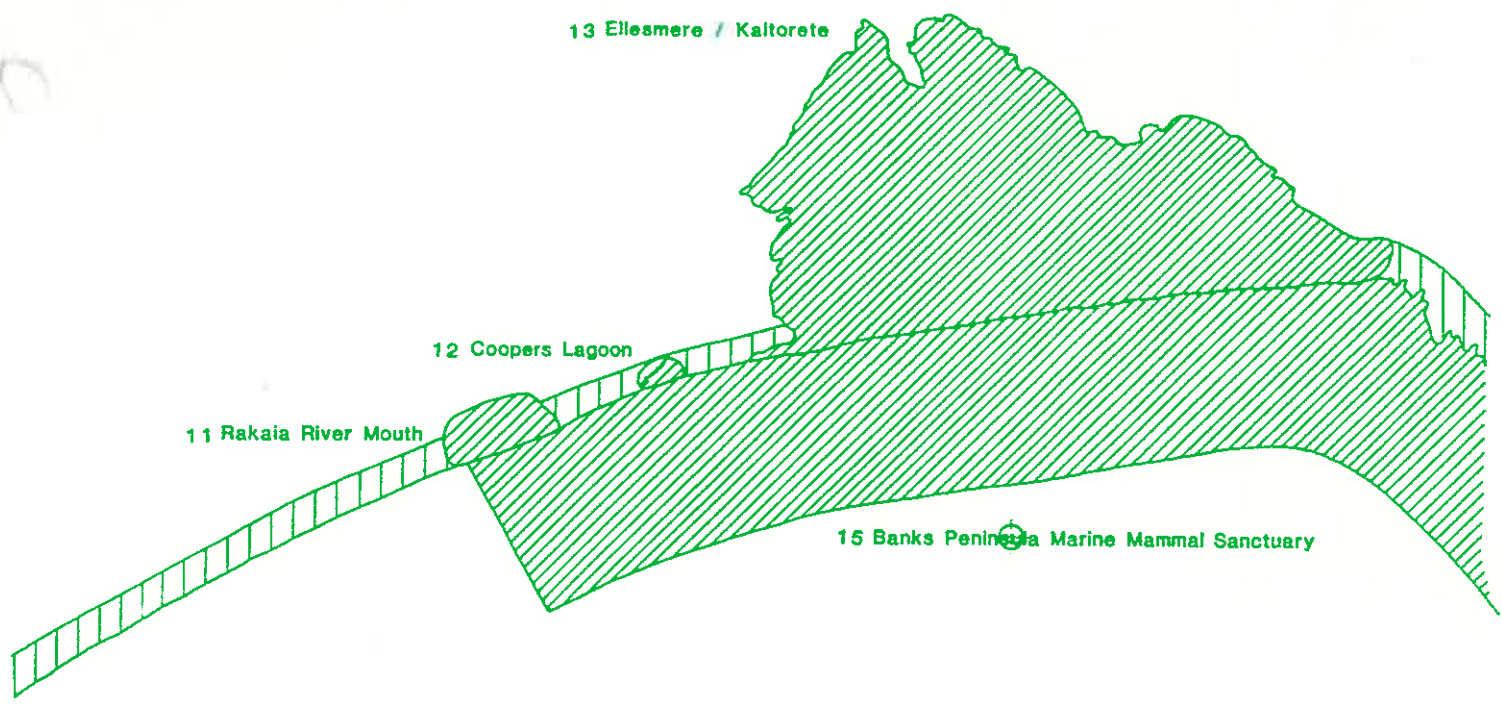
6 EXISTING PROTECTION

- (a) National protected areas
- (b) Regional protected areas
- (c) Local protected areas
- (d) Protective zoning
- (e) Marine parks
- (f) Private protected areas
- (g) Voluntary protection of areas
- (h) Rūhui areas
- (i) Other






13.3

8
Head Office
Archaeological Zones

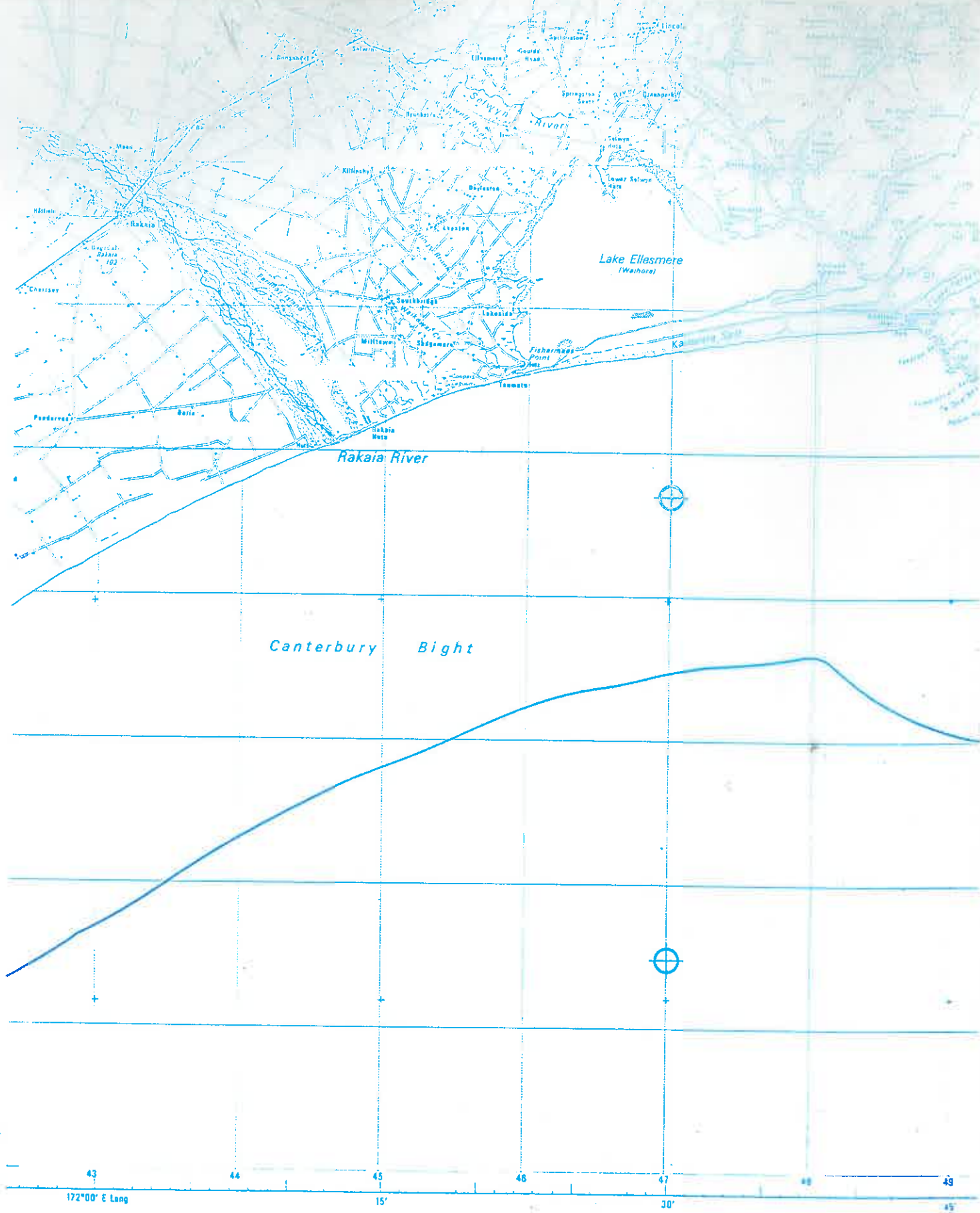



7 CONSERVATION VALUES

-  areas of conservation value
-  areas of existing information
-  areas where information is lacking

13.3

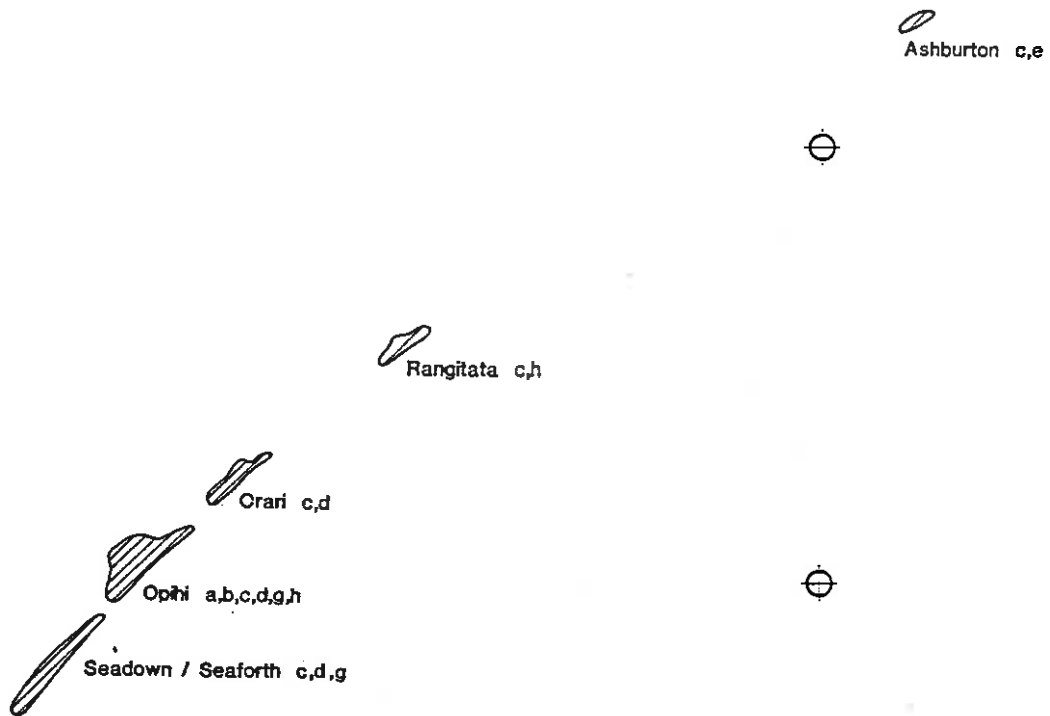
7
Conservation Values



 **C.R.I. First Order Survey**
 Sheet **13.3**
 Conservancy **Canterbury**
 Map No.
 Category
 Department of Survey and Land Information
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Legend

5 0 5 10 kilometres



13.4

1 Natural Values

1 NATURAL VALUES

Features of Important Natural Value:

- (a) high degree of naturalness
- (b) rare/unique species, communities or habitats
- (c) important breeding/ feeding/ roosting/ haulout/ nursery areas
- (d) fragile/environmentally sensitive areas
- (e) unique or unusual landforms
- (f) representativeness
- (g) known scientific value
- (h) known national or international importance
- (i) other

⊙ Ashburton River Mouth a



Rangitata a,c



Orari a,c



Ophi a



Seadown / Seaforth e



2 CULTURAL VALUES

Features of Important Cultural Value

(a)	traditional use
(b)	aesthetic value
(c)	land/seascape value
(d)	spiritual value
(e)	educational value
(f)	other

13.4

2

Cultural Values

 Ashburton b



 Rangitata b


Opiti b



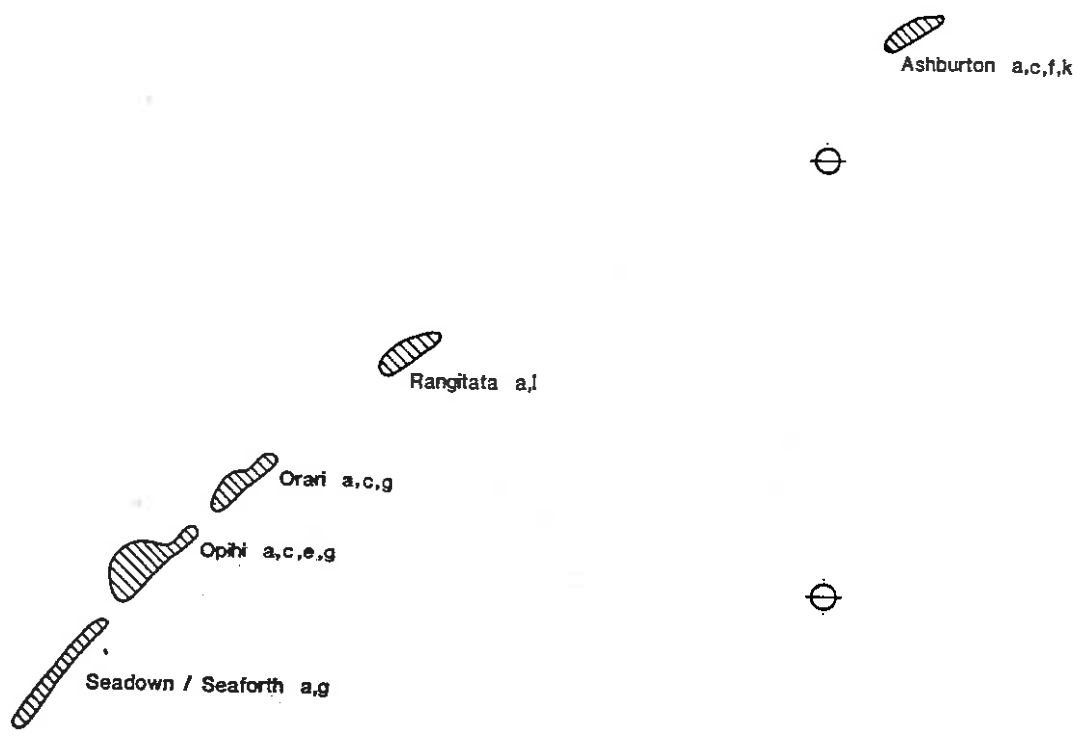
3 HISTORIC VALUES

Features of Important Historic Value:

(a)	known historic value
(b)	archaeological value - Maori origin
(c)	archaeological value - non-Maori origin
(d)	shipwrecks & wreck sites
(e)	known national or international importance
(f)	other

13.4

**3
Historic Values**

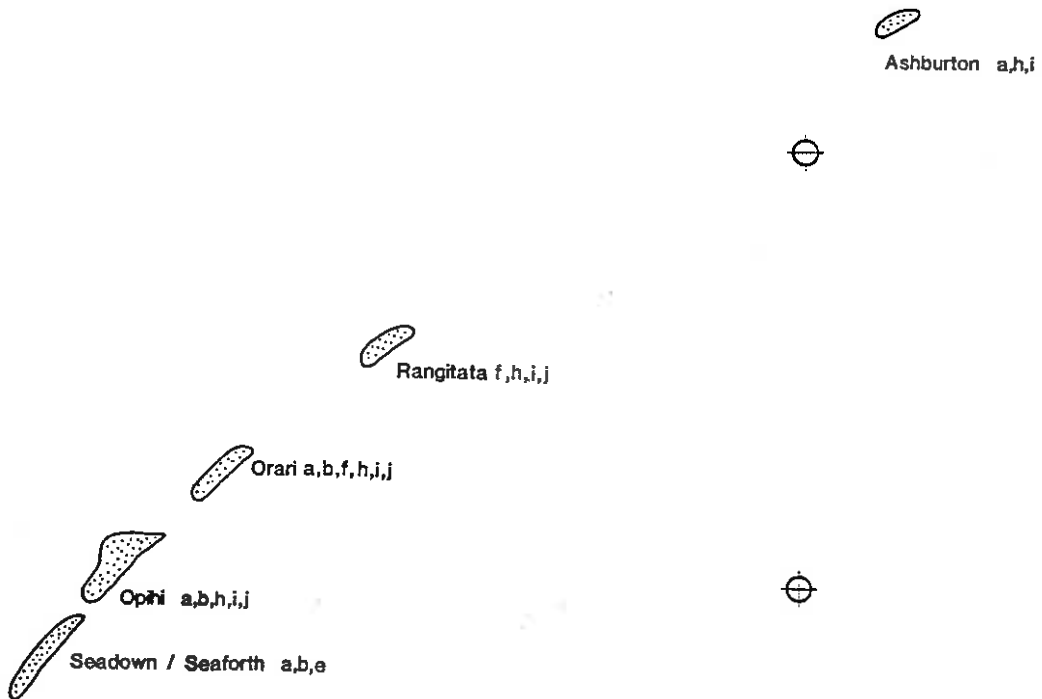


13.4

4 Existing Threats

4 EXISTING THREATS

- (a) Erosion, flooding, landslip
- (b) Siltation
- (c) Noxious or invasive exotic plants
- (d) Noxious or farmed animals
- (e) Water pollution
- (f) Mining
- (g) Shore stabilisation works
- (h) Aquaculture
- (i) Fishing techniques
- (j) Spoil or refuse dumping
- (k) Recreation
- (l) Coastal sub-division
- (m) Other

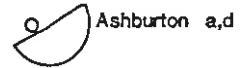


13.4

5 Human Modification and Use.

5 HUMAN MODIFICATION AND USE

(a)	Land Development
(b)	Reclamations and causeways
(c)	Commercial port areas
(d)	Small boat harbours and moorings
(e)	Outfalls, major pipelines and cables
(f)	Artificial cuts
(g)	Beach replenishment
(h)	Shoreland-based recreation
(i)	Water-based recreation
(j)	Traditional Maori use
(k)	Other



Ashburton a,d

Set net and trawl ban for one nautical mile around mouth .



Rangitata a,d,j

Set net and trawl ban for one nautical mile around mouth .



Orari c,i,d



Opihi d,j,c

Set net and trawl ban for one nautical mile around mouth .

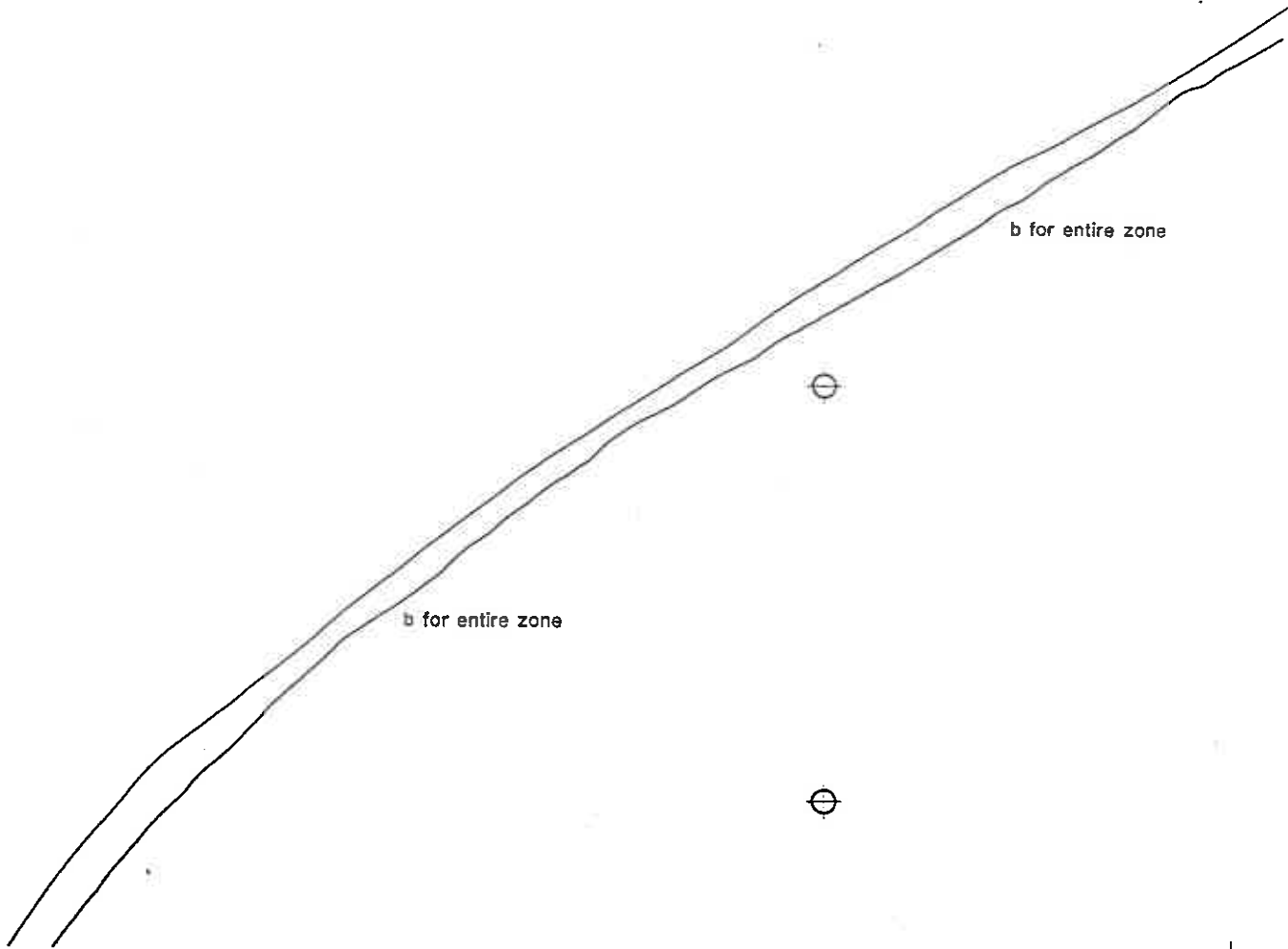


6 EXISTING PROTECTION

(a)	National protected areas
(b)	Regional protected areas
(c)	Local protected areas
(d)	Protective zoning
(e)	Marine parks
(f)	Private protected areas
(g)	Voluntary protection of areas
(h)	Rahui areas
(i)	Other

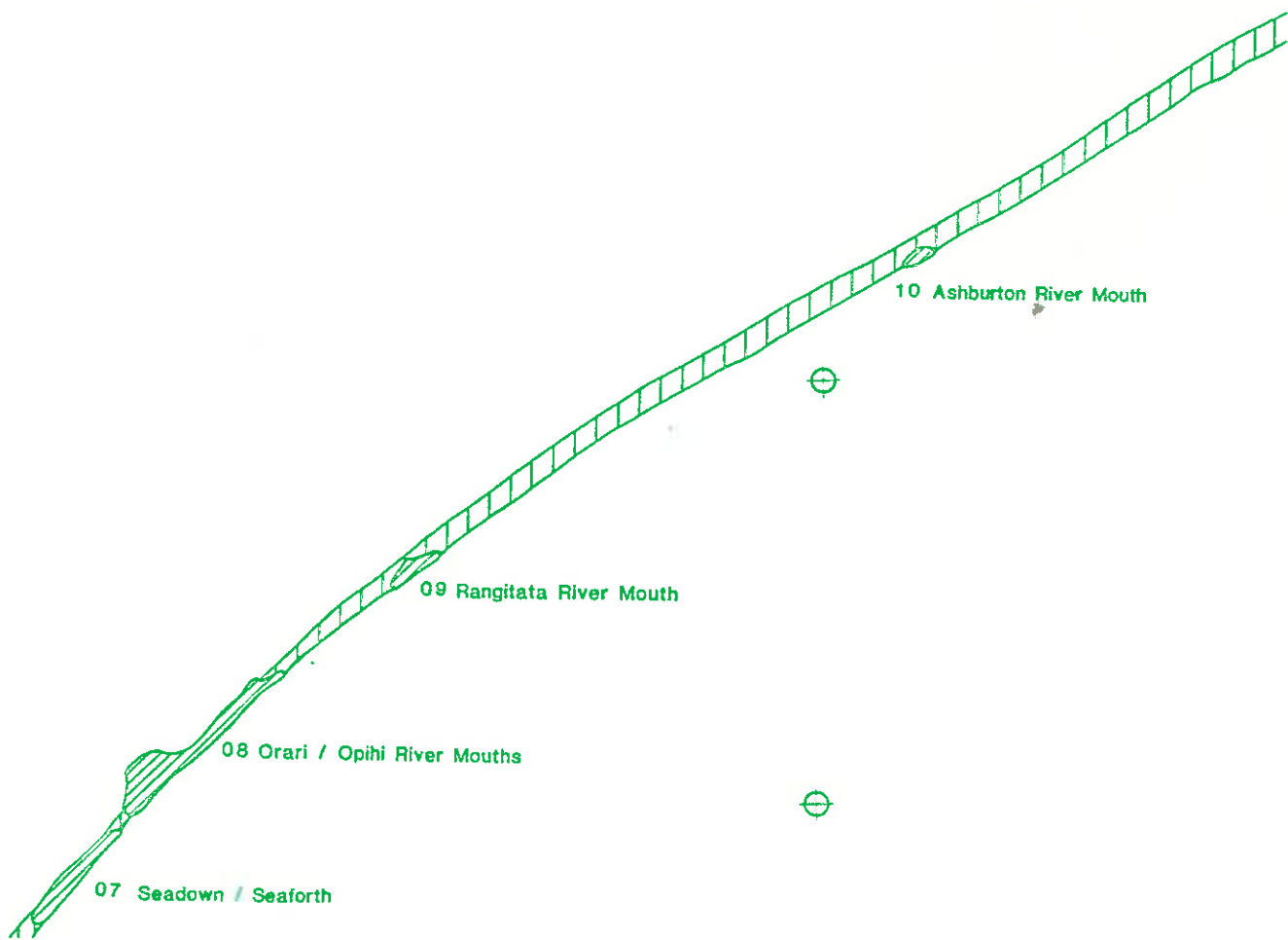
13.4

6 Existing Protection



13.4

8
Head Office
Archaeological Zones



7 CONSERVATION VALUES

-  areas of conservation value
-  areas of existing information
-  areas where information is lacking

13.4

7
Conservation Values




C.R.I. First Order Survey
 Sheet **13.4**
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 Map No.
 Category
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172°00' E Long



Washdyke Lagoon c,d,g,h
Smithfield c,e
Caroline Bay c,d,e

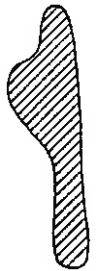


Patiti Point to Tuhawaki Point a,c,e
Normanby a,e

○ Pareora c



Otaio River c,g



Wainono Lagoon a,b,c,h



Waitaki b,c,h



15.1

1 Natural Values

NATURAL VALUES

Features of Important Natural Value:

- (a) high degree of naturalness
- (b) rare/unique species, communities or habitats
- (c) important breeding/feeding/roosting/haulout/nursery areas
- (d) fragile/environmentally sensitive areas
- (e) unique or unusual landforms
- (f) representativeness
- (g) known scientific value
- (h) known national or international importance
- (i) other

Washdyke Lagoon a,b,e

Smithfield a,c,e

Caroline Bay b,e

Patiti Point to Tuhawaiki Point a,b,c,d,e

Normanby c,d

○ Pareora a

○ Otaio River a,c

Wainono Lagoon a,c

Waitaki River a,b,c

15.1

2 Cultural Values

2 CULTURAL VALUES

Features of Important Cultural Value

(a)	traditional use
(b)	aesthetic value
(c)	land/seascape value
(d)	spiritual value
(e)	educational value
(f)	other

- ⊙ Smithfield a,b,d
- ⊙ Caroline Bay a,d

⊙ Patiti Point to Tuhawaiki Point a,b,d

⊙ Normanby a,b

⊙ Pareora b

⊙ Otaio River a

⊙ Waitaki River b

3 HISTORIC VALUES

Features of Important Historic Value:

(a)	known historic value
(b)	archaeological value - Maori origin
(c)	archaeological value - non-Maori origin
(d)	shipwrecks & wreck sites
(e)	known national or international importance
(f)	other

15.1

3

Historic Values

Smithfield a,e,i
Caroline Bay e,i,j

Patiti Point to Tuhawaiki Point a,e,i,j

Normanby a,e,i,j

Pareora a,e,k

Otaio River a,b,c,k

Wainono Lagoon a,b,c,m

Waitaki River a,c,k

15.1

4 Existing Threats

4 EXISTING THREATS

(a)	Erosion, flooding, landslip
(b)	Siltation
(c)	Noxious or invasive exotic plants
(d)	Noxious or farmed animals
(e)	Water pollution
(f)	Mining
(g)	Shore stabilisation works
(h)	Aquaculture
(i)	Fishing techniques
(j)	Spoil or refuse dumping
(k)	Recreation
(l)	Coastal sub-division
(m)	Other

Washdyke Lagoon a,b,c,g
 Smithfield a,e,h,i,j
 Caroline Bay a,c,d,e,h,i

Patiti Point to Tuhawaiki Point a,h,i,j,k
 Normanby a,k

Pareora a,e

Otaio River h

Wainono Lagoon a,f,g

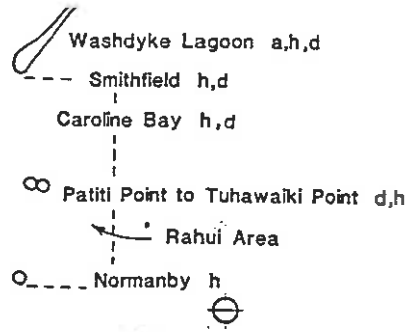
Waitaki River a,f,h,i,j,k

15.1

5 Human Modification and Use

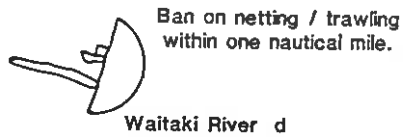
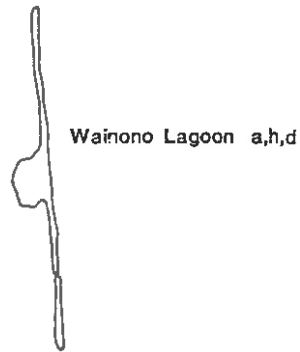
5 HUMAN MODIFICATION AND USE

- (a) Land Development
- (b) Reclamations and causeways
- (c) Commercial port areas
- (d) Small boat harbours and moorings
- (e) Outfalls, major pipelines and cables
- (f) Artificial cuts
- (g) Beach replenishment
- (h) Shoreland-based recreation
- (i) Water-based recreation
- (j) Traditional Maori use
- (k) Other



∞ Pareora c,i,h

∞ Otaio River b,d

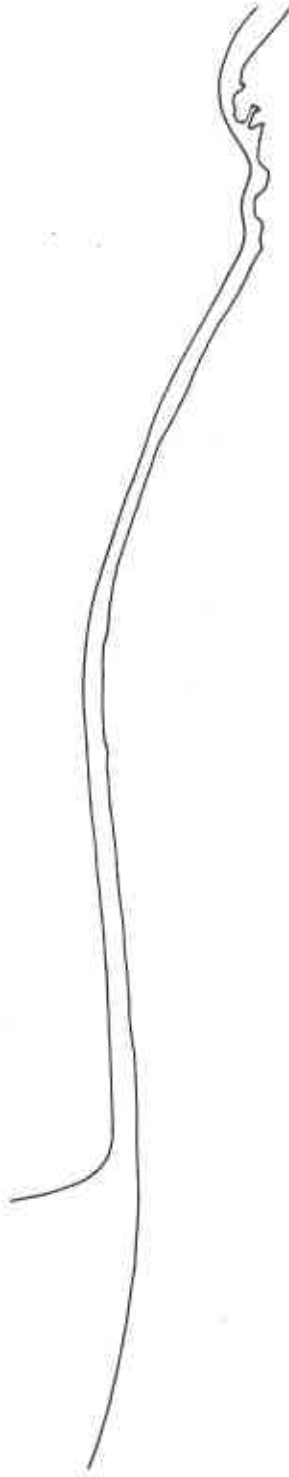


6 EXISTING PROTECTION

(a)	National protected areas
(b)	Regional protected areas
(c)	Local protected areas
(d)	Protective zoning
(e)	Marine parks
(f)	Private protected areas
(g)	Voluntary protection of areas
(h)	Rahui areas
(i)	Other

15.1

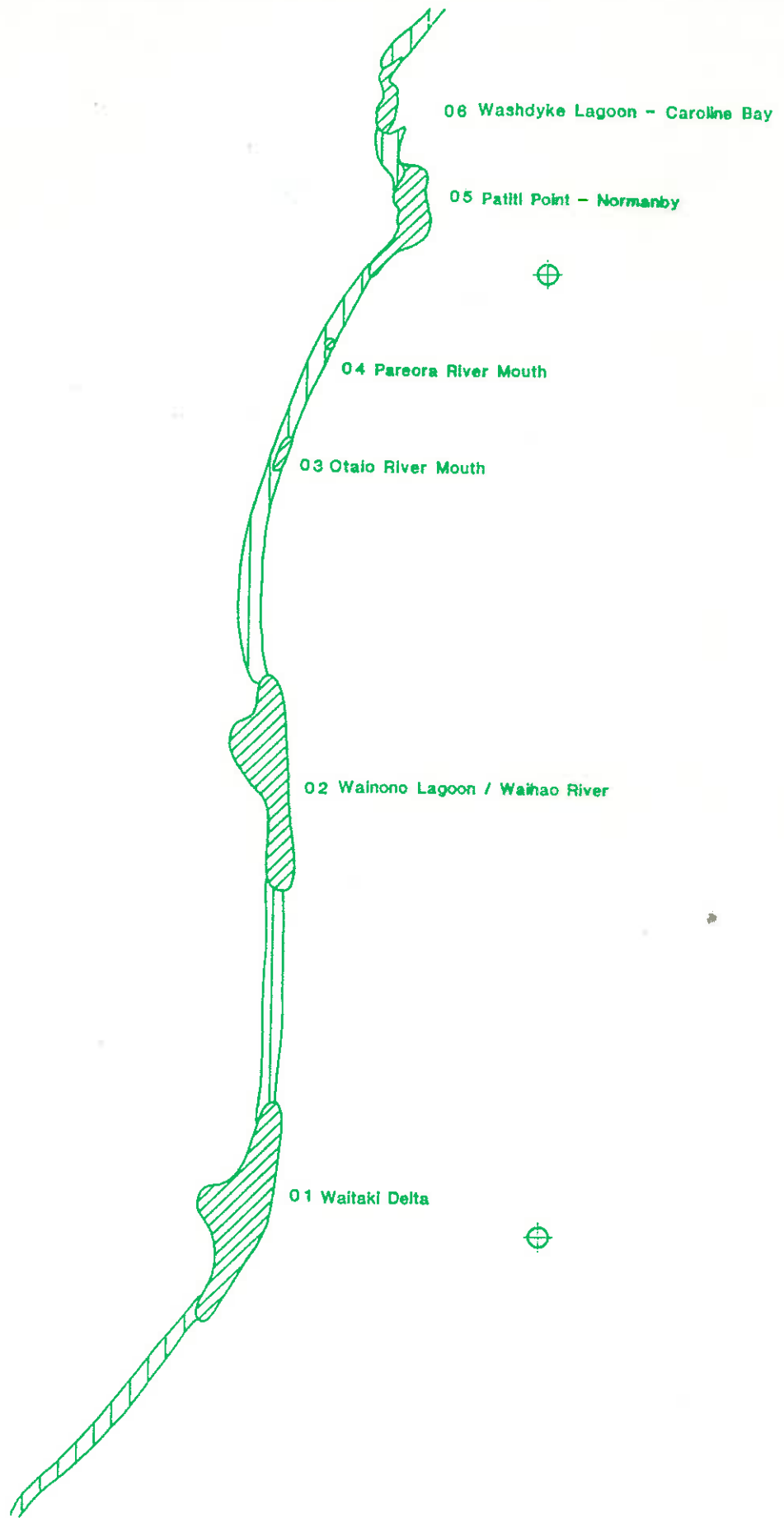
6 Existing Protection



15.1

8



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Archaeological Zones




15.1

7 Conservation Values

CONSERVATION VALUES

-  areas of conservation value
-  areas of existing information
-  areas where information is lacking

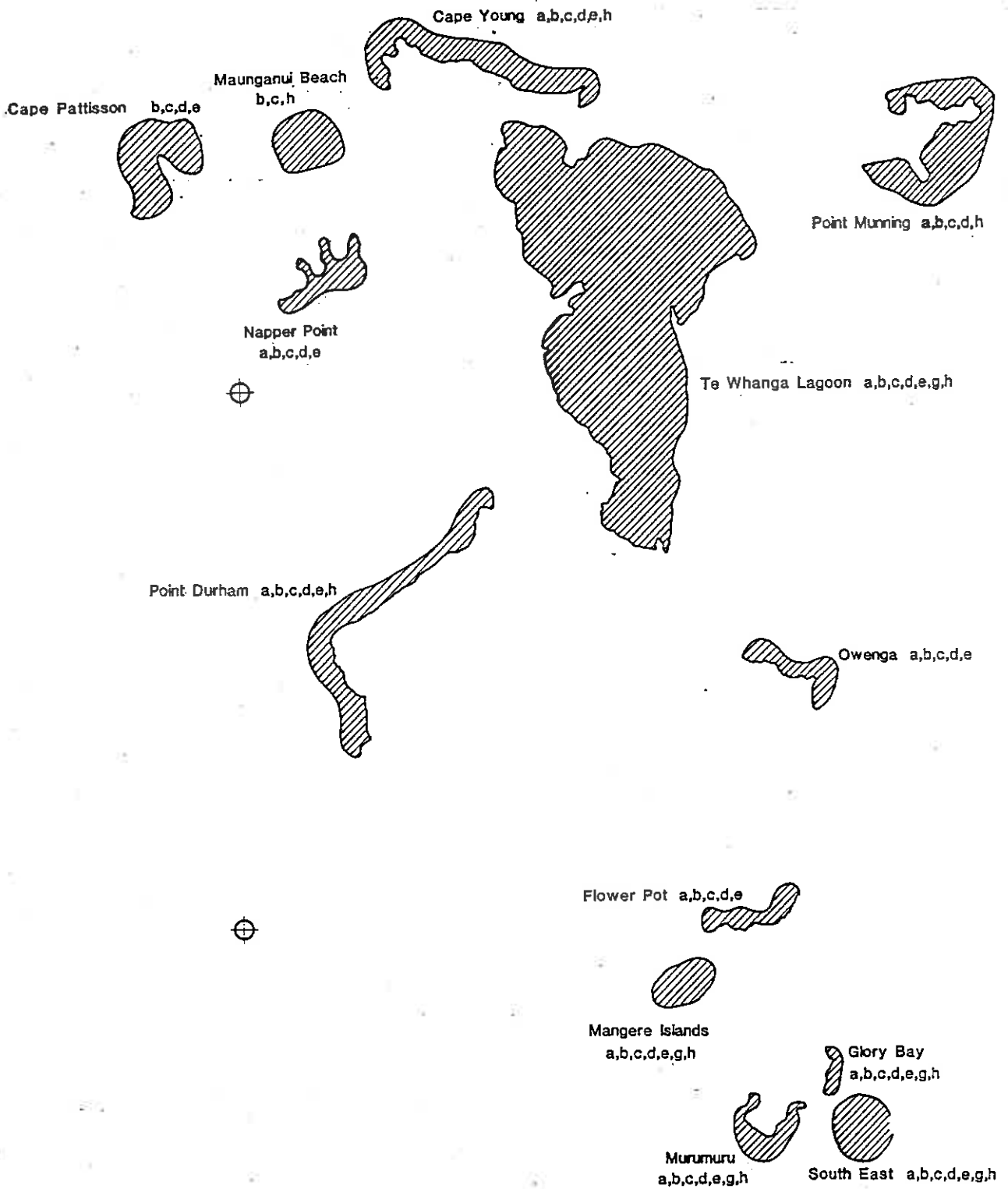



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CHATHAM ISLANDS



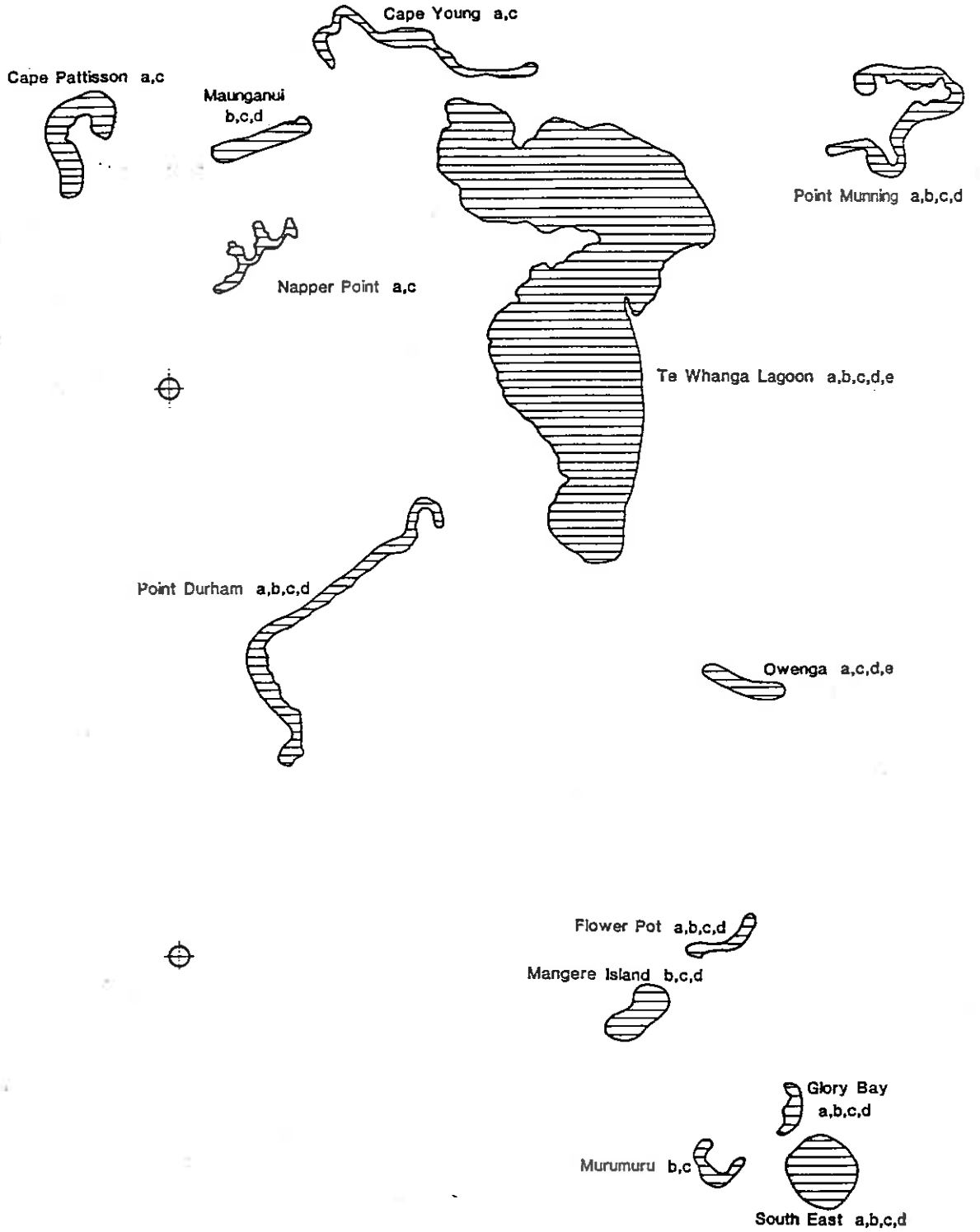
CHATHAM ISLANDS

**1
Natural Values**

1 NATURAL VALUES

Features of Important Natural Value:

- (a) high degree of naturalness
- (b) rare/unique species, communities or habitats
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- (d) fragile/environmentally sensitive areas
- (e) unique or unusual landforms
- (f) representativeness
- (g) known scientific value
- (h) known national or international importance
- (i) other

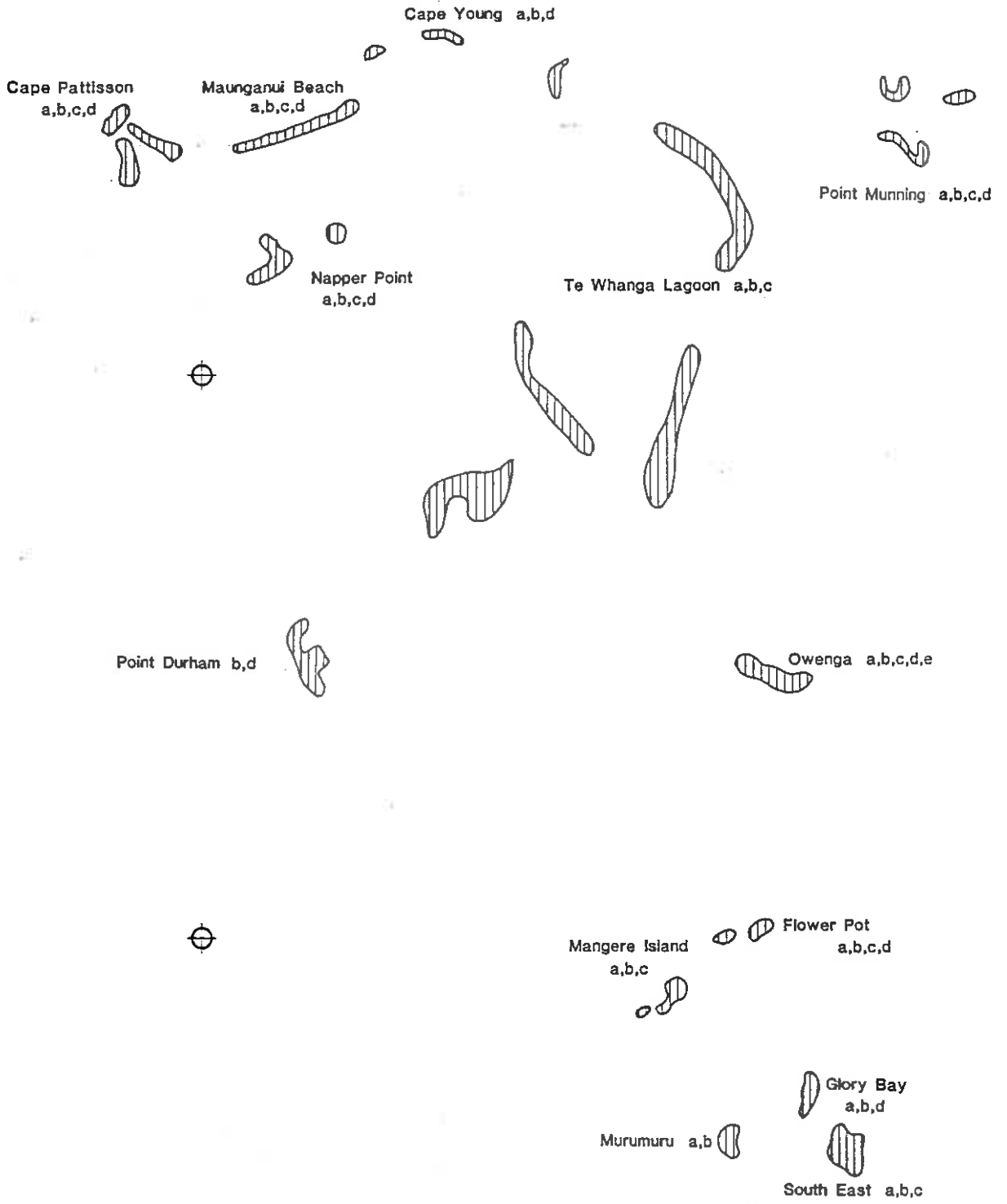


2
Cultural Values

2 CULTURAL VALUES

Features of Important Cultural Value

(a)	traditional use
(b)	aesthetic value
(c)	land/seascape value
(d)	spiritual value
(e)	educational value
(f)	other

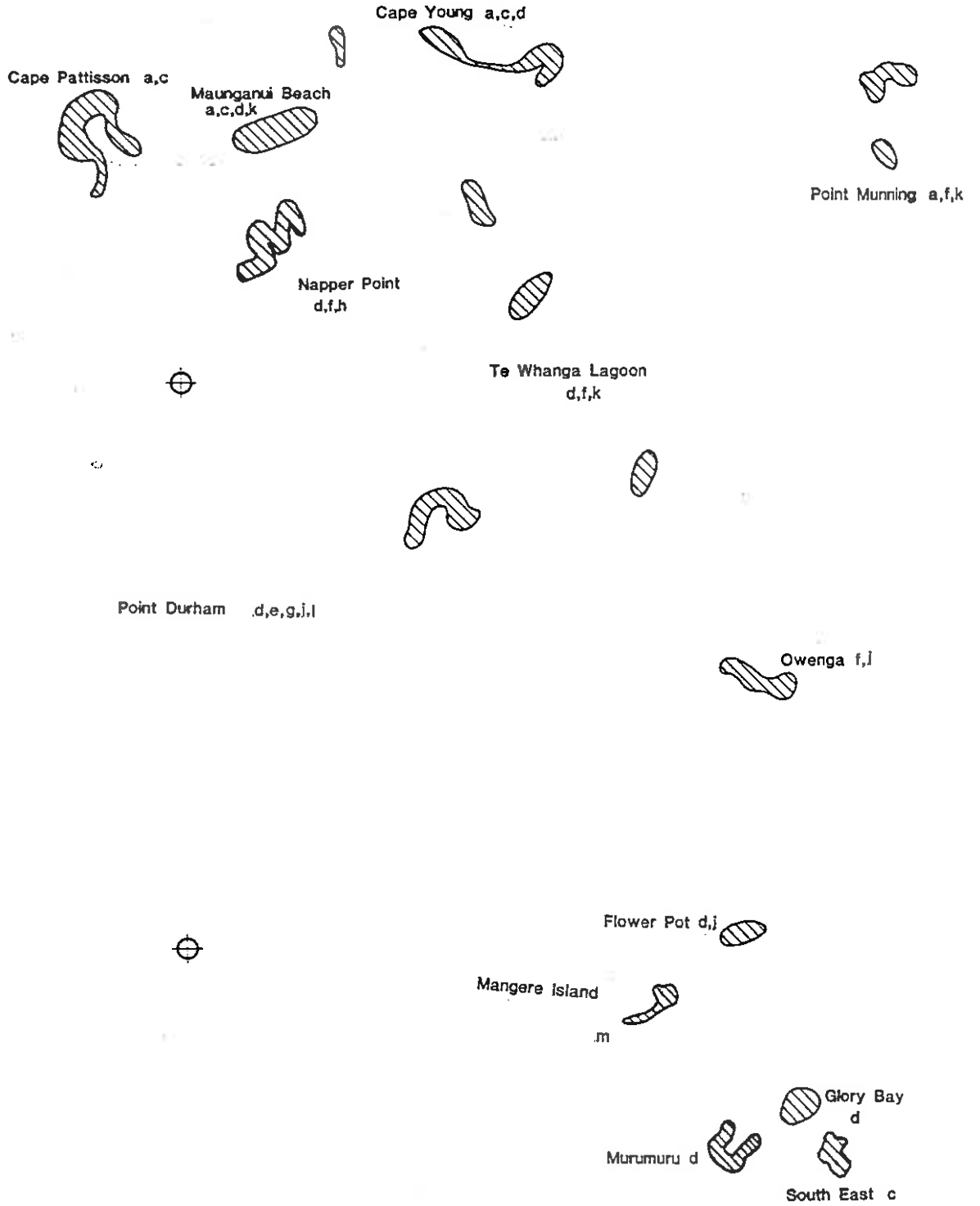


3
Historical Values

3 HISTORIC VALUES

Features of Important Historic Value:

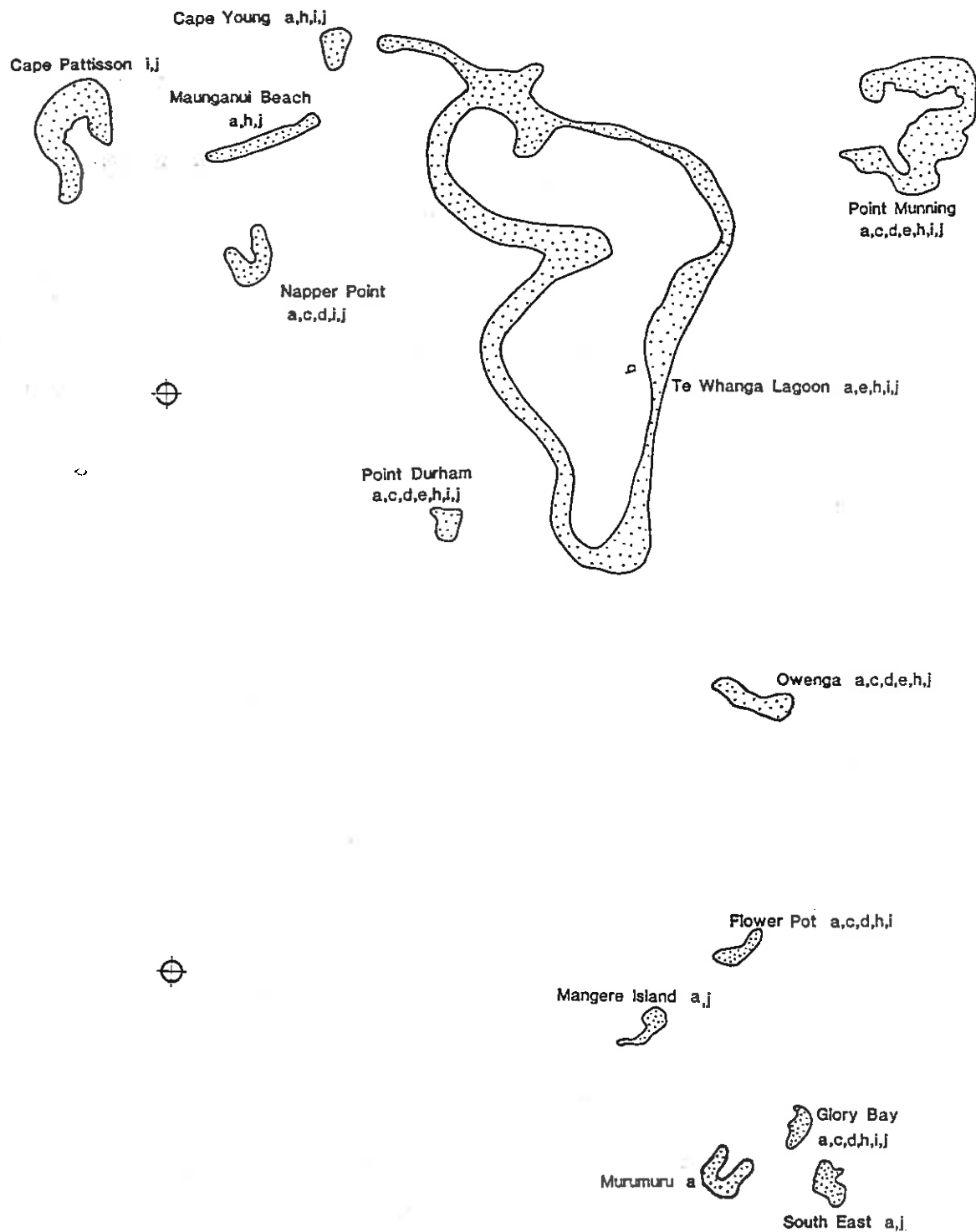
(a)	known historic value
(b)	archaeological value - Maori origin
(c)	archaeological value - non-Maori origin
(d)	shipwrecks & wreck sites
(e)	known national or international importance
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4 Existing Threats

4 EXISTING THREATS

(a)	Erosion, flooding, landslip
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(h)	Aquaculture
(i)	Fishing techniques
(j)	Spoil or refuse dumping
(k)	Recreation
(l)	Coastal sub-division
(m)	Other



5
Human Modification
and Use

5 HUMAN MODIFICATION AND USE

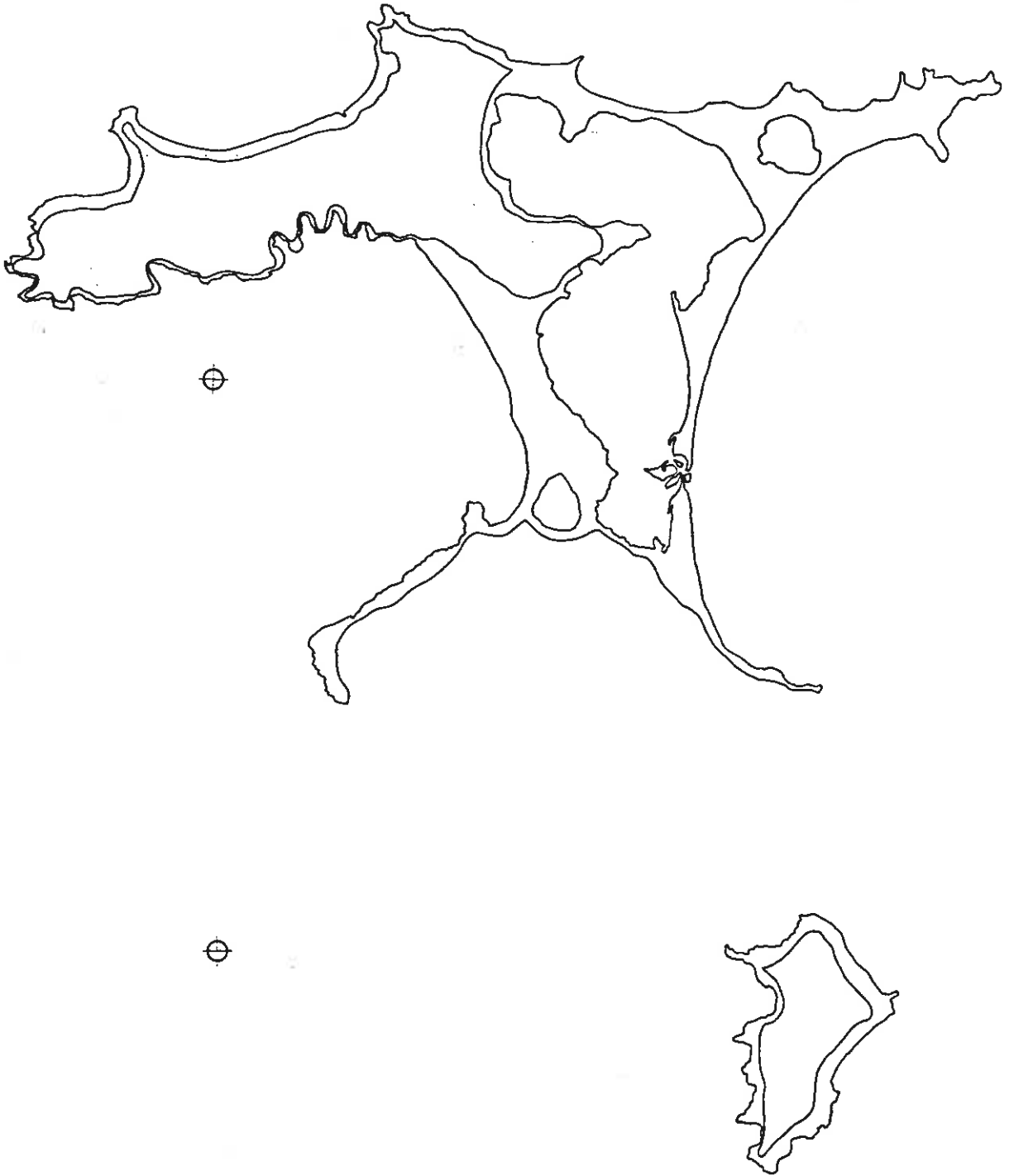
(a)	Land Development
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(c)	Commercial port areas
(d)	Small boat harbours and moorings
(e)	Outfalls, major pipelines and cables
(f)	Artificial cuts
(g)	Beach replenishment
(h)	Shoreland-based recreation
(i)	Water-based recreation
(j)	Traditional Maori use
(k)	Other



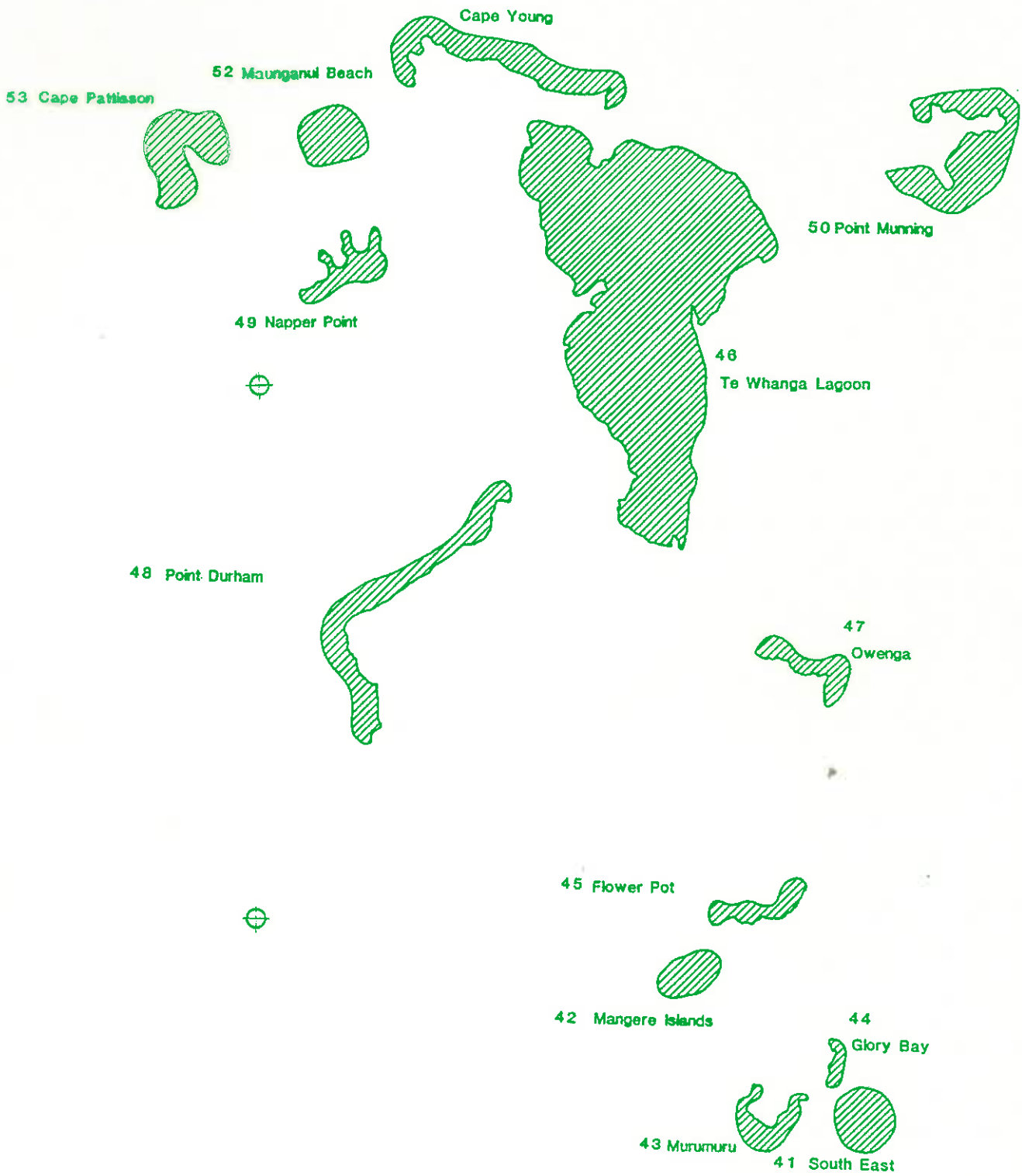
6 EXISTING PROTECTION

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(c)	Local protected areas
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(e)	Marine parks
(f)	Private protected areas
(g)	Voluntary protection of areas
(h)	Rahui areas
(i)	Other




6
Existing Protection



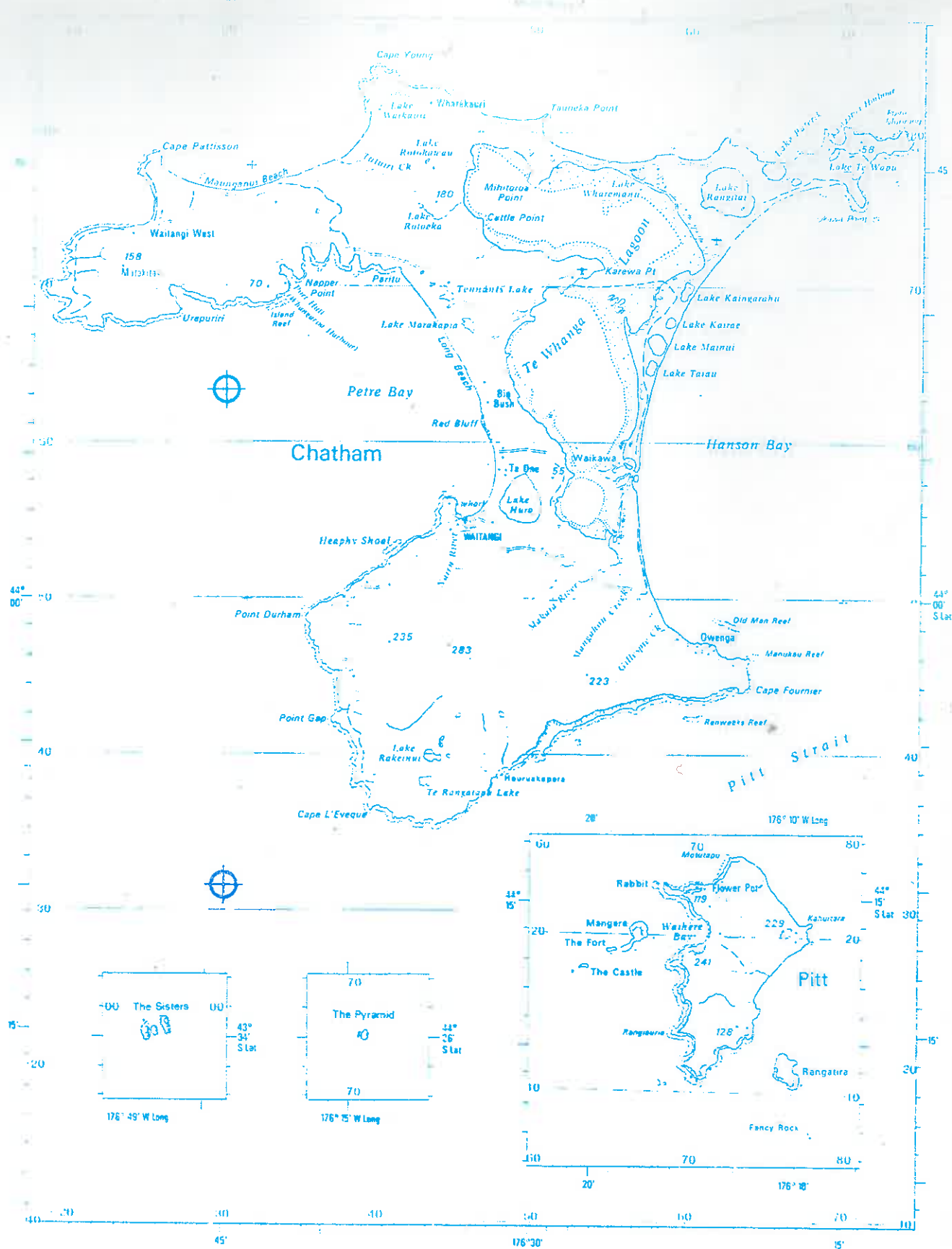
8
Head Office
Archaeological Zones



7 CONSERVATION VALUES

-  areas of conservation value
-  areas of existing information
-  areas where information is lacking

Chatham Islands



5 0 5 10 15 20
Kilometres