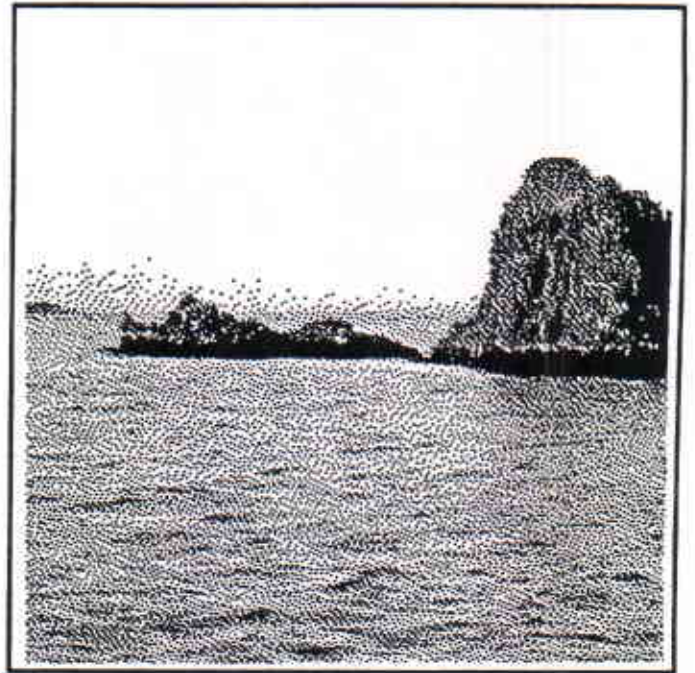


METHODS: WATER VIEWS





METHODS: WATER VIEWS

In Maine, the first known scenic evaluation of land masses - as viewed from the water - was performed in 1988 for the National Park Service by Bruce Jacobson and Holly Dominie (Pilot Study Report. Evaluation of Island Resources. Hancock County and portion of Knox County, Maine). Their methodology was refined in The Second Report of The Evaluation of Island Resources, by Annette Naegel for Acadia National Park Service in November 1990. The purpose of this work was to define and map those areas of outstanding visual significance within the viewshed of Acadia National Park, in response to Public Law 99-420.

The methodology for identifying scenic views from the water is similar to the evaluation of land-based views described earlier. The National Park Service work relied upon the presence of indicators - characteristics of the landscape that the public perceives as scenic. The method involved a five step process:

1. Criteria were developed for identifying scenic features
2. Candidate areas were mapped on USGS quad sheets and their scenic qualities rated according to the criteria
3. The higher scoring areas (Classes A and B) were field evaluated
4. The areas were divided into quality groups, based upon their evaluations.
5. The Class A and B areas were finally mapped on acetate overlays, identifying the most important scenic resources for Acadia National Park.

Certain biases were found within the methodology developed for the National Parks Service.

- There was no practical way to evaluate the developed landscape, given the scope of the project, so the work tends to be biased toward natural landscapes.
- The methodology seems to be most applicable to entire islands or distinct portions of an island. When viewed from the water at distances less than 1/2 mile (foreground views) the large islands in Penobscot Bay (e.g., Islesboro, Vinalhaven, and North Haven) are not discernable as distinct land masses. The large islands, instead, resemble much of the mainland.
- The methods employed seem overly complex for a process that is designed to differential scenic areas into broad classes (A, B, & C).

The NPS criteria was used as a point of departure in developing criteria for identifying scenic views from the waters surrounding the major islands of Penobscot Bay. The methods and rationale described in *Methods: Scenic Areas* are generally applicable to those developed for the water views. As in the land-based component of this study, scenic indicators were selected and used to make an initial determination of scenic areas viewed from the water.

A two step process will be necessary to make a final determination for the Critical Areas Program. The office component of the process is complete and the results are shown on matrices for each of the major islands. The field work for this study was limited to one trip around Islesboro and North Haven. While this amount of field work was valuable in refining the criteria, additional work in a variety of craft will be necessary to complete the inventory. Accordingly, the findings and recommendations for water-based scenic areas are preliminary at this point.

Unlike the land-based scenic areas, the views from the water did not lend themselves to an easily defined numeric evaluation system. While the NPS methods did develop such a rating system, it was found to be inappropriate for use on the large land masses, the many islands of assorted sizes, and the spaces created between them.

The method used for this inventory relies upon a more qualitative evaluation. The waters within 1/4 mile of all land masses were evaluated for each of the indicators noted below. Several of the indicators (e.g., steep slope, elevation, cultural features) had been previously mapped as part of the land-based inventory. The results were mapped on acetate overlays of the USGS maps. The evaluation noted whether the indicator was:

- Absent, or below a pre-determined threshold
- Present, as defined below, or
- Outstanding.

Areas noted as both Class A and Class B areas should be evaluated by the the CAP Advisory Board and staff. Final determination of the scenic significance of these areas will have to wait until all or most of the coastline is completed to have a better frame of reference within which to judge visual significance.

The following scenic indicators were used in the office evaluation of each of the major islands and island groupings:

1. Elevation: Hilltops over 100 feet elevation within 1/4 mile of the shoreline. Outstanding: Hilltops over 150 feet within 1/4 mile.
2. Steep Slopes: at least 25% for at least 1/2 mile in length. Outstanding: slopes in excess of 40%.

3. **Sense of Enclosure:** an arrangement of land masses or islands within 1/2 mile of each other that defines a space that is 25-50% enclosed. Within this area, the boater will always be less than 1/4 mile of the nearest land mass. **Outstanding:** the space is between 50 and 100% enclosed by land masses within 1/2 mile.
4. **Configuration:** shoreline irregularity. **Outstanding:** highly configured shoreline, as seen from the water; many indentations within 1/4 mile of each other.
5. **Cultural Features:** Visually harmonious development that either blends in with or enhances the character of the landscape: bridges, lighthouses, harbors, moorings, large summer cottages, villages. **Outstanding:** concentrations of features of unusually high scenic value (usually more than three within 1/4 mile of each other).
6. **Physical Features** sand beaches, islands, exposed granite shoreline. **Outstanding:** concentrations of features of unusually high scenic value (usually more than three within 1/4 mile of each other)
7. **Wildlife Features:** wildlife areas defined by US Fish and Wildlife Service. **Outstanding:** Areas of High Value.
8. **Vegetation Diversity:** more than a single cover type. **Outstanding:** four or more cover types.

The matrices on the following pages summarize the results of the office evaluation for the water views of the islands. Colored acetate overlays for the USGS maps of the islands are available at the Critical Areas Program. An area received an initial rating of A if it had at least one scenic indicator that was rated as Outstanding. In a few instances an A/B or B/A rating was given to rather extensive enclosed areas with a variety of visual characteristics.

INITIAL RATING	ISLESBORO							
	<u>Scenic Indicators</u> <input type="checkbox"/> Absent <input type="radio"/> Present <input checked="" type="radio"/> Outstanding							
	Hilltops w/in 1/4 mile	Steep Slopes	Enclosure	Configuration	Cultural Features	Physical Features	Wildlife Features	Vegetative Diversity
A	Grindel Point			<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		<input type="radio"/>
B	Ferry Rd / Hinckley Beach				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Crow Cove				<input type="radio"/>	<input type="radio"/>		<input type="radio"/>
B	Seal Harbor				<input type="radio"/>	<input type="radio"/>		<input type="radio"/>
B	Seal Is. to Turtle Harbor	<input type="radio"/>	<input type="radio"/>			<input type="radio"/>		
B	Turtle Head				<input type="radio"/>	<input type="radio"/>		
B	Parker Cove	<input type="radio"/>			<input type="radio"/>	<input type="radio"/>		<input type="radio"/>
B	Sabbathday Harbor		<input type="radio"/>		<input type="radio"/>	<input type="radio"/>		<input type="radio"/>
B	Islesboro Harbor				<input type="radio"/>	<input type="radio"/>		<input type="radio"/>
A	Dark Harbor			<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Dark Harbor to Gulf Point		<input type="radio"/>			<input type="radio"/>		<input type="radio"/>
B	Pendleton Point				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
A	Bracketts Channel	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	Gilkey Harbor	<input type="radio"/>		<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Warren Island			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>
B	Philbrook Cove: 700 Ac Is.				<input type="radio"/>	<input type="radio"/>		<input type="radio"/>

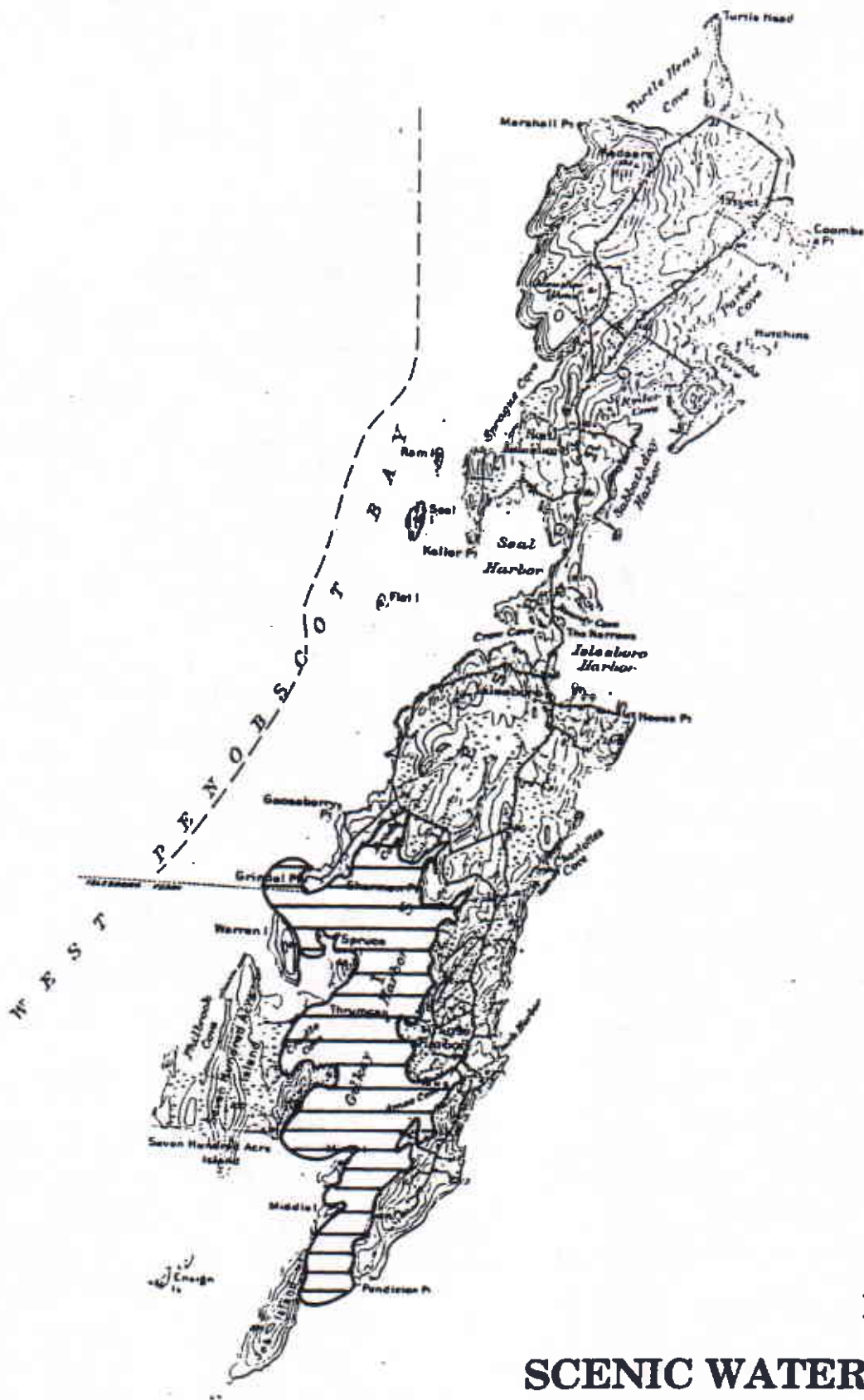


FIGURE 3

**SCENIC WATER VIEWS
PRELIMINARY CLASS A RATING
ISLESBORO**

INITIAL RATING	VINALHAVEN							
	Scenic Indicators							
	<input type="checkbox"/> Absent <input type="radio"/> Present <input checked="" type="radio"/> Outstanding							
	Hilltops w/in 1/4 mile	Steep Slopes	Enclosure	Configuration	Cultural Features	Physical Features	Wildlife Features	Vegetative Diversity
A/B	Carvers Harbor	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
A	The Reach (1)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Green Island: S/W side	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	Hurricane Island	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A/B	White / Garden Islands	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
A/B	Crane/Crotch/Lairey's Isl.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Leadbetter Is.: W side	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Hurricane Sound (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	Long Cove	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	The Basin	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	Crocket Cove	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B/A	Brown's Head	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	Fox Island Thorofare	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	Perry Creek	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Seal Cove	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	Mill River	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
B	Shipwreck Cove	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Carver Cove	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	Winter Harbor	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	Seal Bay: E of Penobscot Isl.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Deep Cove	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Brown's Is./Gunning Rock	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Gunning Rock/Arey Cove	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B	Roberts Harbor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A	Indian Creek	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

(1) Norton Point to Dog Point (2) Dog Pt to Leadbetter Narrows



FIGURE 4
SCENIC WATER VIEWS
PRELIMINARY CLASS A RATING
VINALHAVEN

INITIAL RATING	NORTH HAVEN								
	<u>Scenic Indicators</u> <input type="checkbox"/> Absent <input type="radio"/> Present <input checked="" type="radio"/> Outstanding								
		Hilltops w/in 1/4 mi	Steep Slopes	Enclosure	Configuration	Cultural Features	Physical Features	Wildlife Features	Vegetative Diversity
A	Fox Island Thorofare	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>
B	Southern Harbor		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
B	Northwest Point	<input type="radio"/>	<input type="radio"/>			<input type="radio"/>			
B	Bartlet Harbor		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
B	Deacon Brown Point				<input type="radio"/>	<input type="radio"/>			
A	Pulpit Harbor		<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
B	Webster Head	<input type="radio"/>	<input type="radio"/>				<input type="radio"/>		
B	Burnt Island	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				<input type="radio"/>
A	Marsh Cove	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>
B	Mullen Head/Cove		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>		
A	Little Thorofare	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		<input type="radio"/>
B	Calderwood Island: E side			<input type="radio"/>			<input type="radio"/>		
B	Kent Cove			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			<input type="radio"/>
B	Goose Rocks Light		<input type="radio"/>			<input type="radio"/>	<input type="radio"/>		
B	Waterman Cove	<input type="radio"/>			<input type="radio"/>	<input type="radio"/>			<input type="radio"/>



FIGURE 5

**SCENIC WATER VIEWS
PRELIMINARY CLASS A RATING
NORTH HAVEN**

INITIAL RATING	SMALLER ISLANDS	Hilltops w/in 1/4 mile	Steep Slopes	Enclosure	Configuration	Cultural Features	Physical Features	Wildlife Features	Vegetative Diversity
	<u>Scenic Indicators</u> <input type="checkbox"/> Absent <input type="radio"/> Present <input checked="" type="radio"/> Outstanding								
B	Western Island				<input type="radio"/>		<input type="radio"/>		<input type="radio"/>
B	Pond Island						<input type="radio"/>		<input type="radio"/>
B	Hog Island				<input type="radio"/>		<input type="radio"/>		<input type="radio"/>
B	Pickering Island		<input type="radio"/>		<input type="radio"/>				
B	Barred Island			<input type="radio"/>					
B	Beach Island			<input type="radio"/>					
B	Colt Head Island			<input type="radio"/>			<input type="radio"/>		
B	Resolution Island		<input type="radio"/>				<input type="radio"/>		
C	Horsehead Island								
B	Little Spruce Island	<input type="radio"/>	<input type="radio"/>						
A	Great Spruce Head Island	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		<input type="radio"/>
B	Bear Island			<input type="radio"/>	<input type="radio"/>				
A	Barred Island			<input checked="" type="radio"/>			<input checked="" type="radio"/>		
A	Butler Island	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>		
A	Eagle Island	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>
B	Bradbury Island	<input type="radio"/>	<input type="radio"/>						

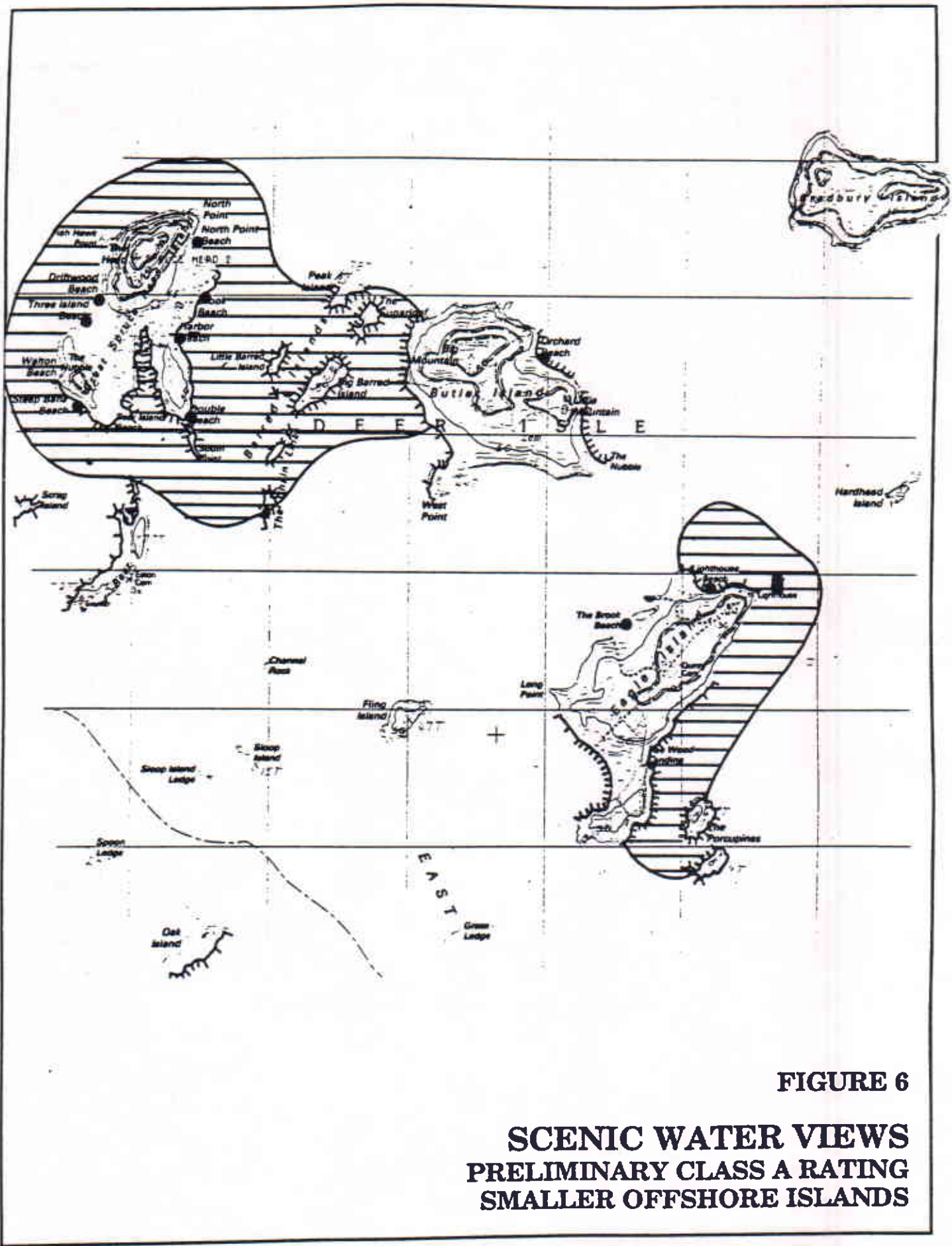


FIGURE 6

**SCENIC WATER VIEWS
PRELIMINARY CLASS A RATING
SMALLER OFFSHORE ISLANDS**