

**PRINCE RUPERT AREA COASTAL
FISH HABITAT BIBLIOGRAPHY**

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**PRINCE RUPERT AREA COASTAL
FISH HABITAT BIBLIOGRAPHY**

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INTRODUCTION

To assist the Department of Fisheries and Oceans (DFO) manage the fisheries resources in the Prince Rupert area, G.L. Williams and Associates Ltd. was retained to compile a bibliography of existing coastal information describing habitats and biota. The study area is bounded by Tuck Inlet in the north, Marcus Passage in the south, Chatham Sound in the west and De Horsey Island in the east. The Skeena River estuary was not included in the study. To facilitate processing the information, the study area was divided into four sub-areas: Prince Rupert, Digby Island, Port Edward and Smith Island (Figure 1).

The report has been organized into two main parts. The first provides a complete alphabetical listing of the citations included in the bibliography, with each citation given a reference number. The second part lists bibliographic citations according to subject areas related to habitat and water quality. This format was selected during discussions with DFO biologists to provide a practical bibliography that would benefit DFO habitat managers. Report citations which have "bold" typeface indicate they contain original sampling data and, in many cases, the sampling locations have been mapped on the sub-area maps.

Preparation of the report involved compiling listings of existing published primary literature as well as "grey literature" which included internal agency reviews, consultant client reports and file data. The work included searches of in-house DFO information, especially file data, in Prince Rupert and Ministry of Environment files in Smithers to obtain up-to-date listings of permitted effluent discharges. In some cases it was not possible to find the report and the author was unable to conduct a review of its contents. However, the citation was included in the bibliography. Citations were entered according to author, year, title, agency, with "Anon." being used if no author was identified.

One of the objectives of the report was to assist DFO habitat managers identify existing sampling data describing salmonid utilization within the estuary. Original sampling locations were marked on base maps for each of the four sub-areas. The sampling locations mapped provide a **preliminary indication** of the sampling effort, since not all references cited were actually reviewed and not all sampling locations could be mapped at the scale used.

The report provides a useful compilation of existing information for the Prince Rupert coastal area related to fish habitat. It has been entered on computer (i.e. WordPerfect 5.1) to facilitate access and updating.

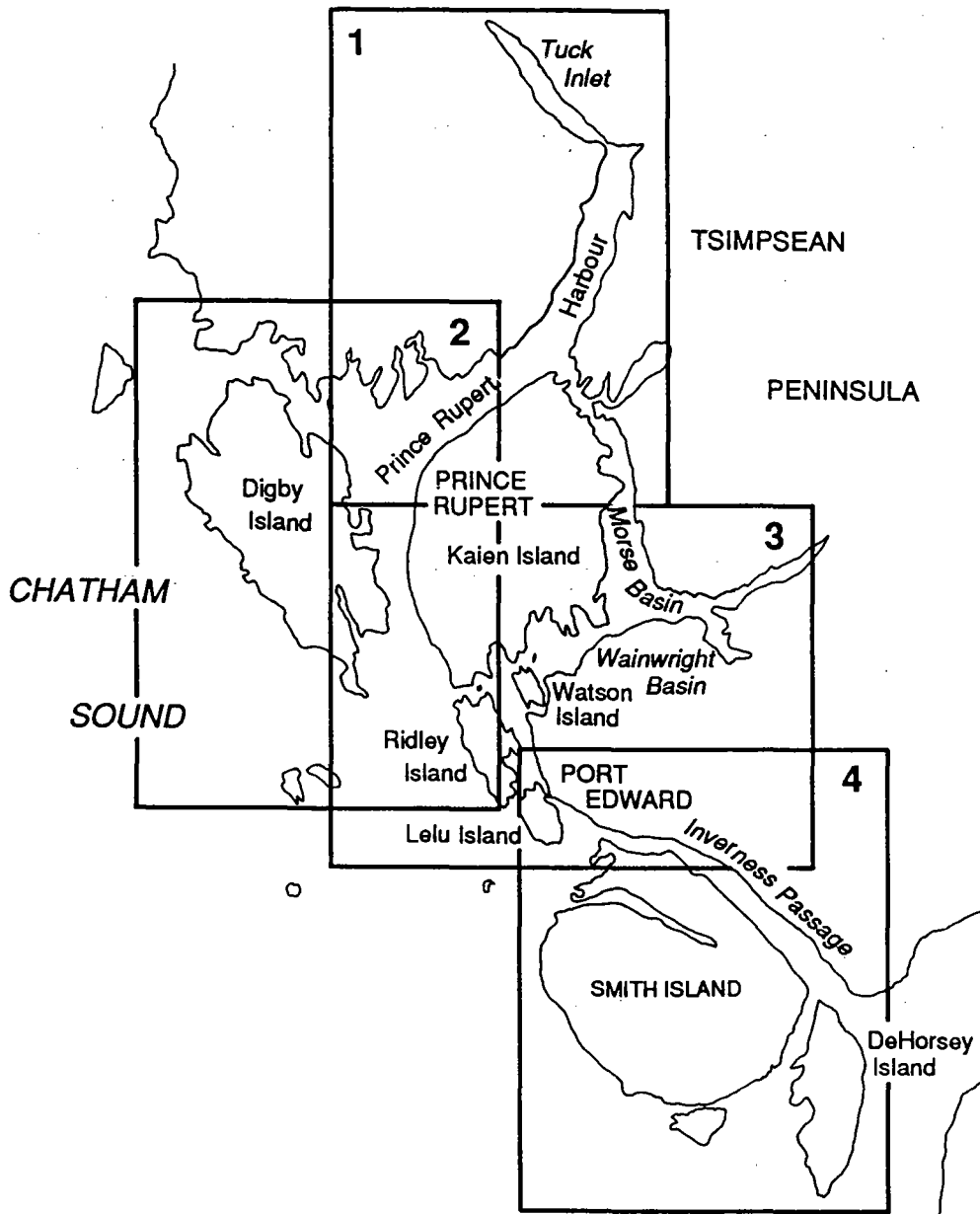
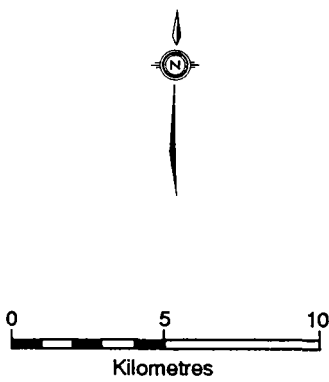


Figure 1
Study Area Showing
Four Sub-Areas



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(bold citations indicate report covers the Marmot River estuary)

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PRINCE RUPERT SUB-AREA

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1.0 GENERAL (continued)

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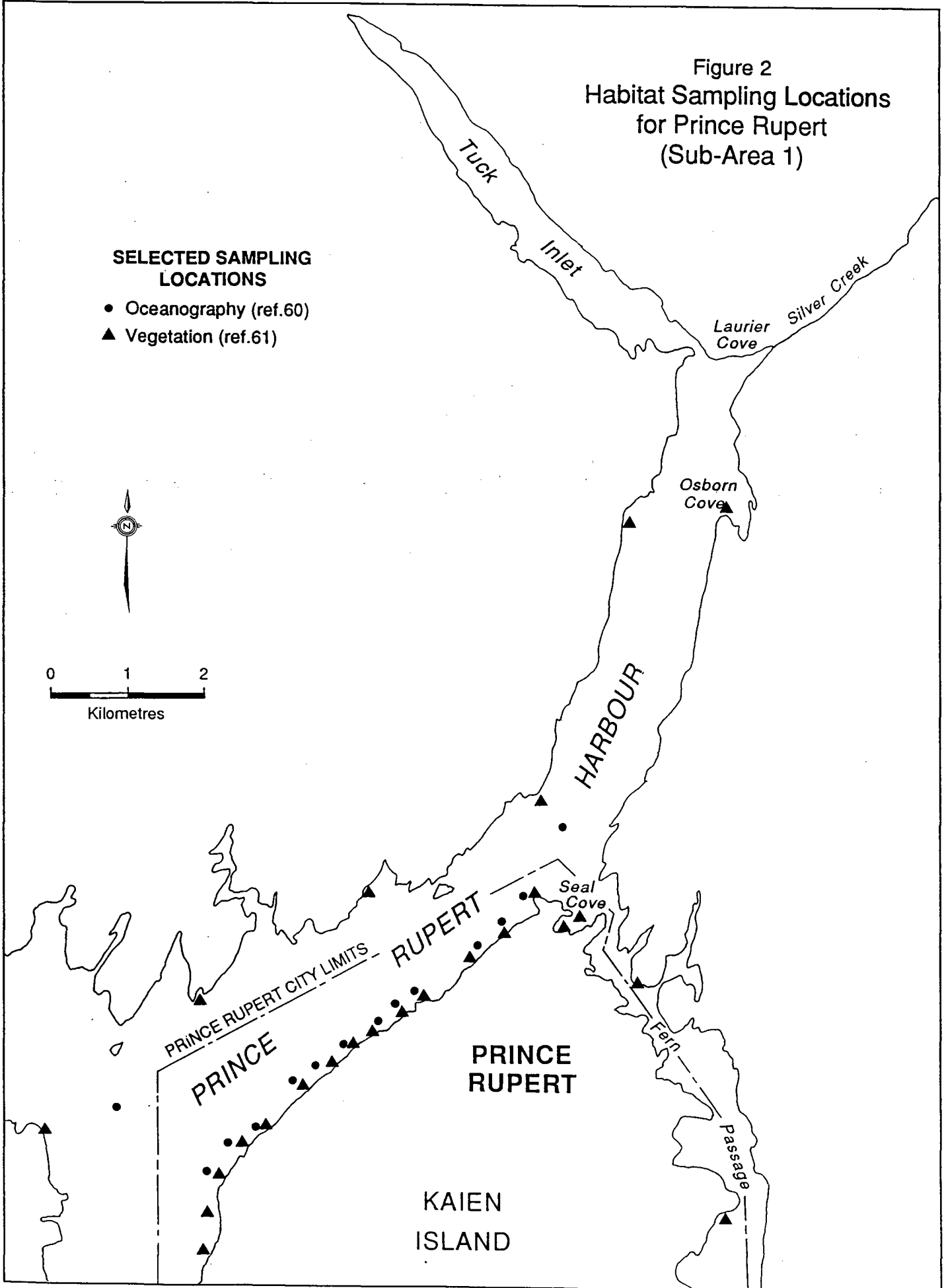
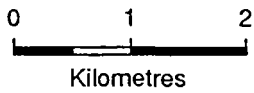
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Figure 2
Habitat Sampling Locations
for Prince Rupert
(Sub-Area 1)

**SELECTED SAMPLING
LOCATIONS**

- Oceanography (ref.60)
- ▲ Vegetation (ref.61)



3.0 WATER QUALITY

3.1 Permitted Discharges

PE-00215 Chevron Canada Limited
PE-01812 British Columbia Packers Limited
PE-01816 British Columbia Packers Limited
PE-01862 Ocean Fisheries Limited
PE-02603 Rivtow Straits Limited

PE-04299 City of Prince Rupert
PE-04748 J.S. McMillan Fisheries Limited
PE-05577 City of Prince Rupert
PE-05627 Rivtow Straits Limited

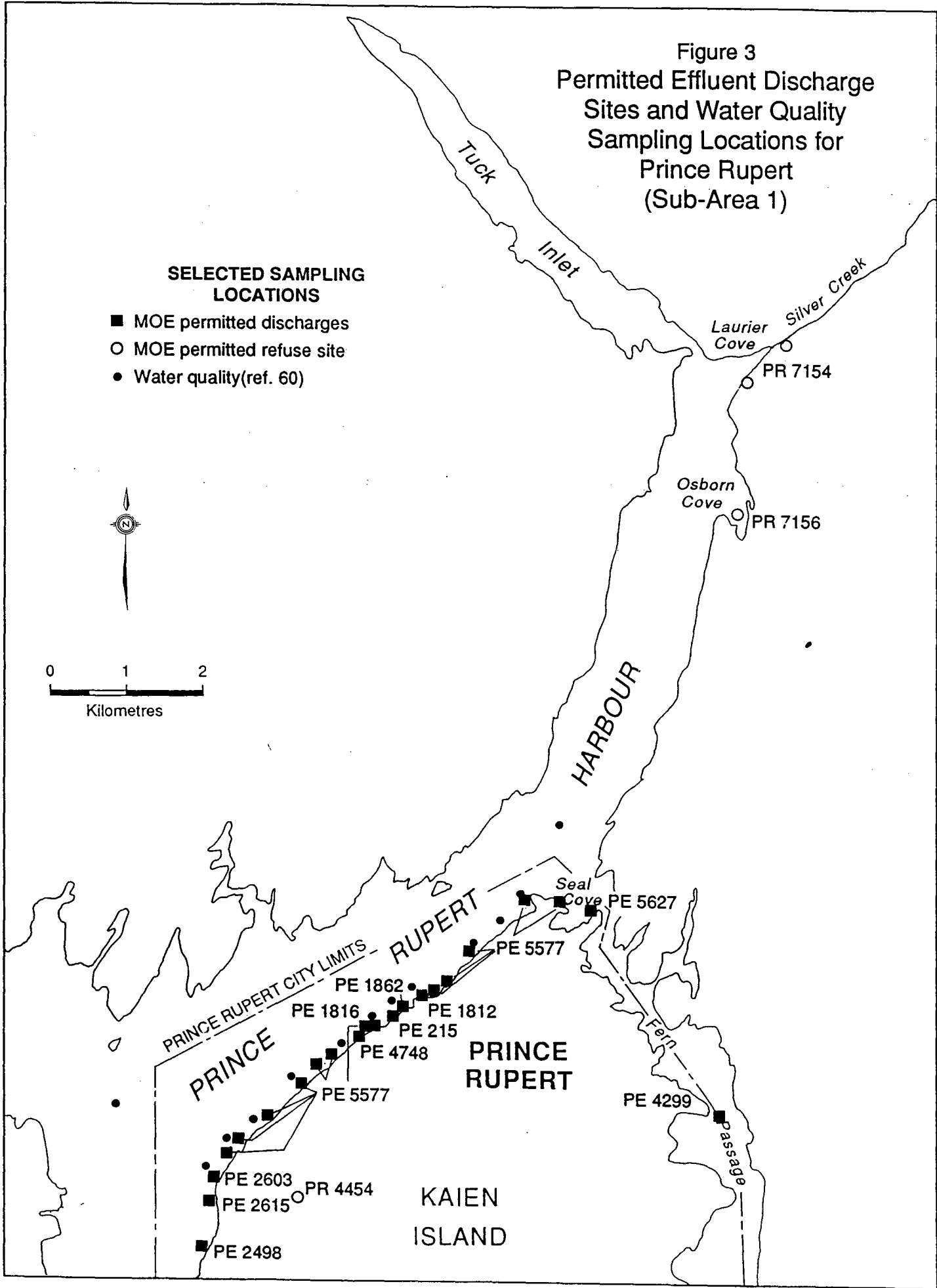
3.2 Permitted Refuse Sites

PR-04454 City of Prince Rupert
PR-07154 Wedeene River Contracting Co. Ltd.
PR-07156 Prince Rupert Harbour Debris Society

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Figure 3
 Permitted Effluent Discharge
 Sites and Water Quality
 Sampling Locations for
 Prince Rupert
 (Sub-Area 1)



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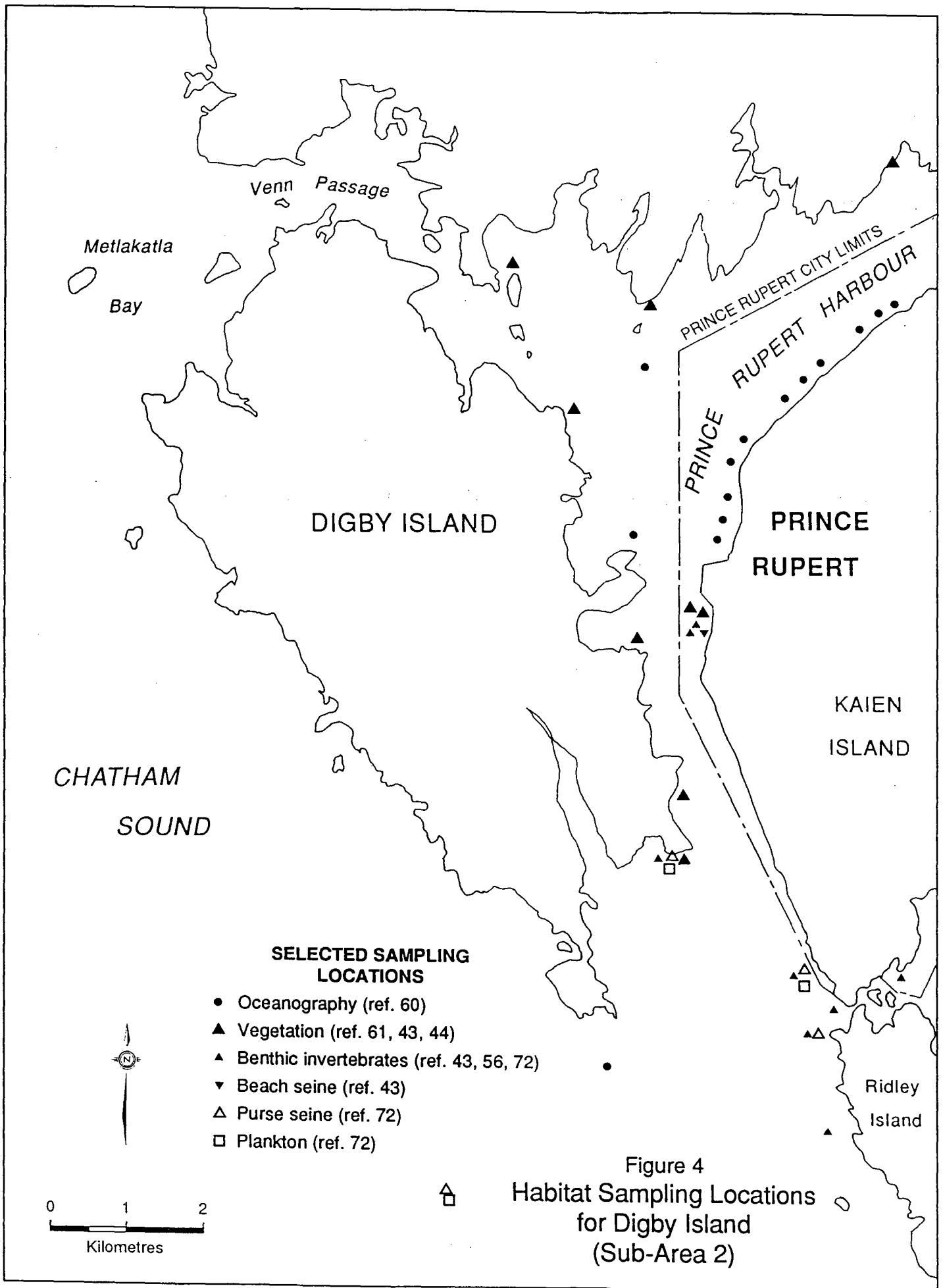
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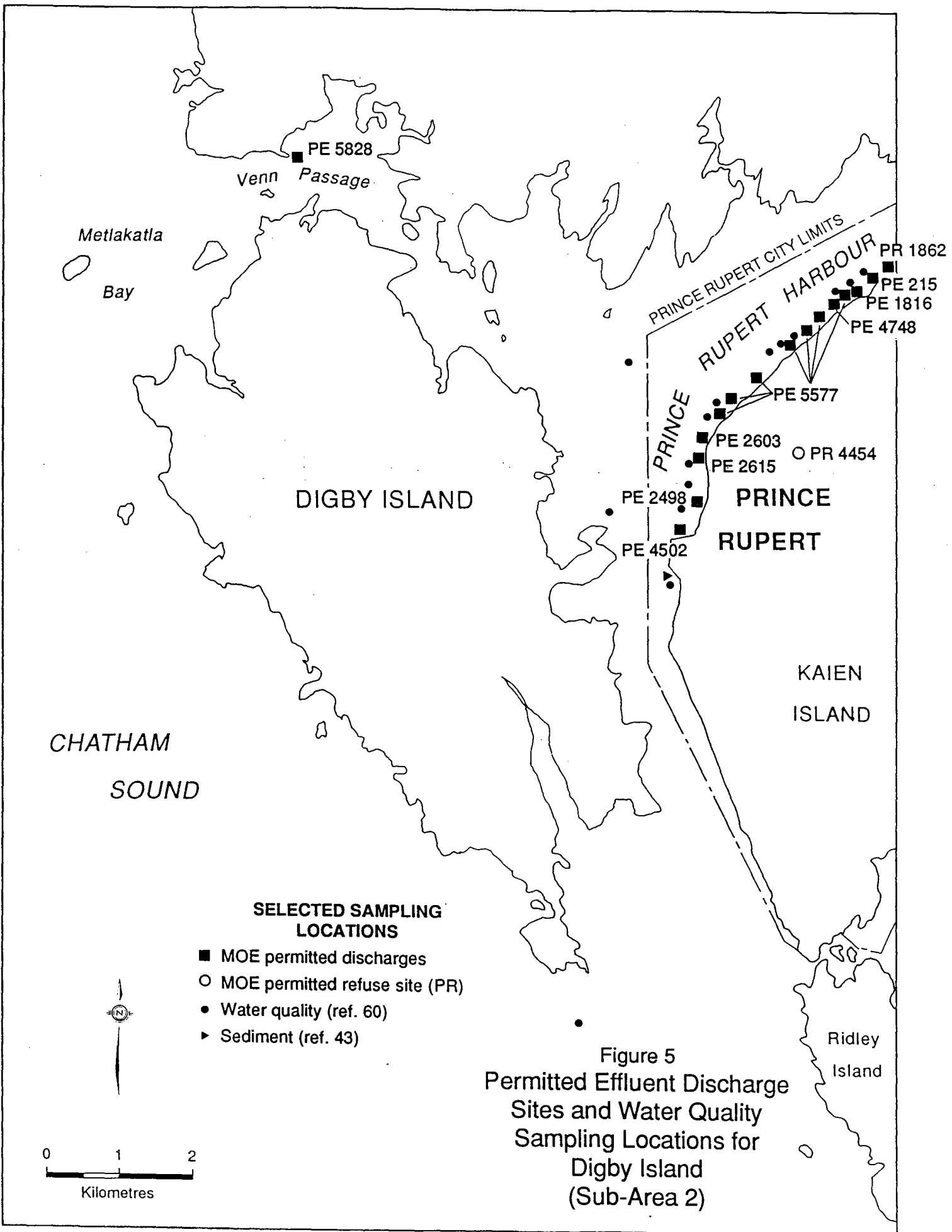
3.1 Permitted Discharges

PE-02498	Prince Rupert Fisherman's Co-op
PE-02615	British Columbia Ferry Corporation
PE-04502	Prince Rupert Port Corporation
PE-05577	City of Prince Rupert
PE-05828	Metlakatla Band Tsimpean Indian Reservation 2

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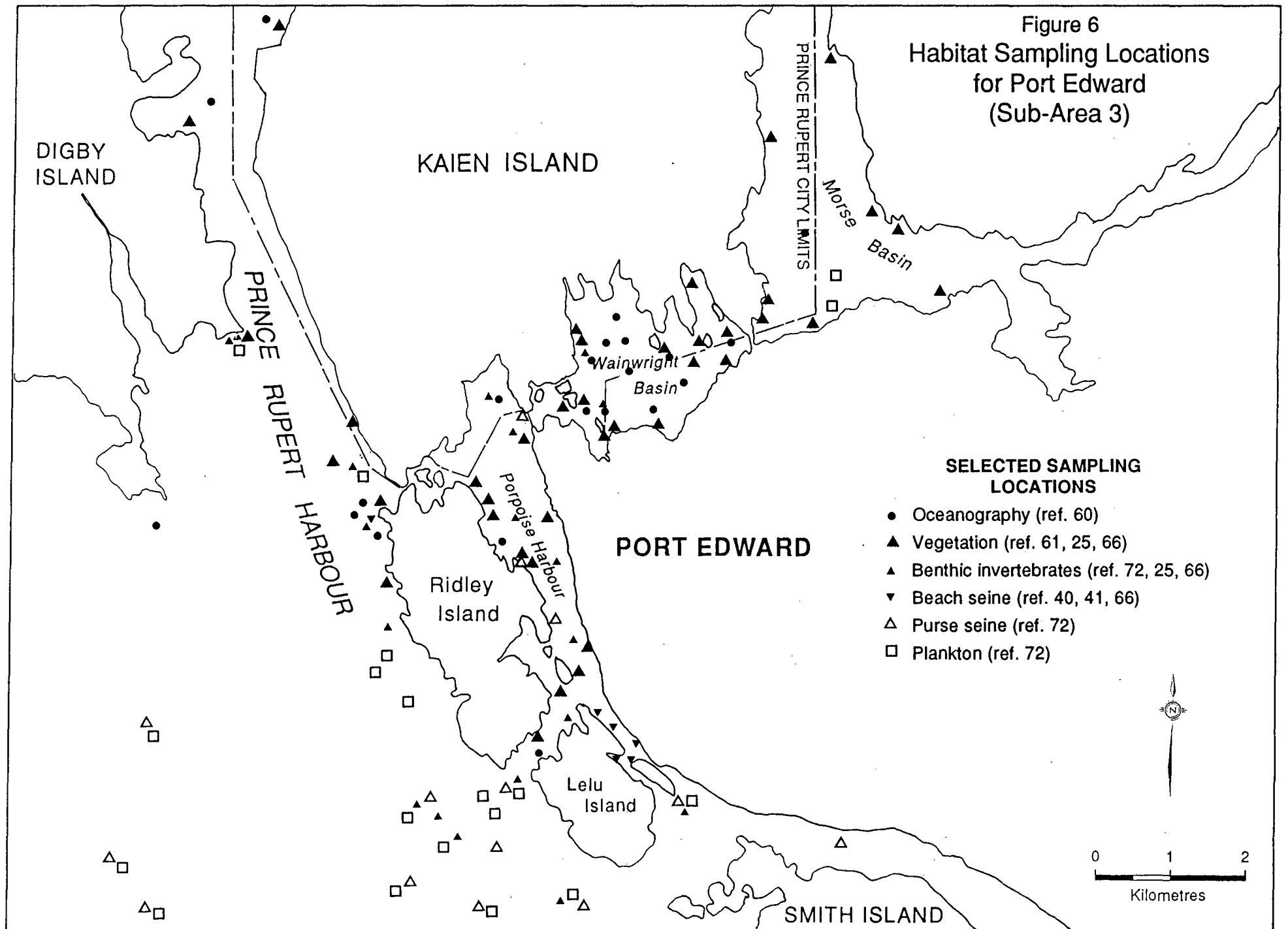
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Figure 6
Habitat Sampling Locations
for Port Edward
(Sub-Area 3)



3.0 WATER QUALITY

3.1 Permitted Discharges

PE-01157	Skeena Cellulose Inc.
PE-04557	Village of Port Edward
PE-05680	British Columbia Hydro and Power Authority
PE-06279	Prince Rupert Grain Limited
PE-06511	Prince Rupert Grain Limited
PE-06698	Ridley Terminal Incorporated
PE-07866	Aero Trading Company Ltd.

3.2 Permitted Refuse Site

PR-03097	Skeena Cellulose Inc.
PR-05414	Skeena Cellulose Inc.

3.3 Permitted Special Waste Storage Site

PS-08045	Skeena Cellulose
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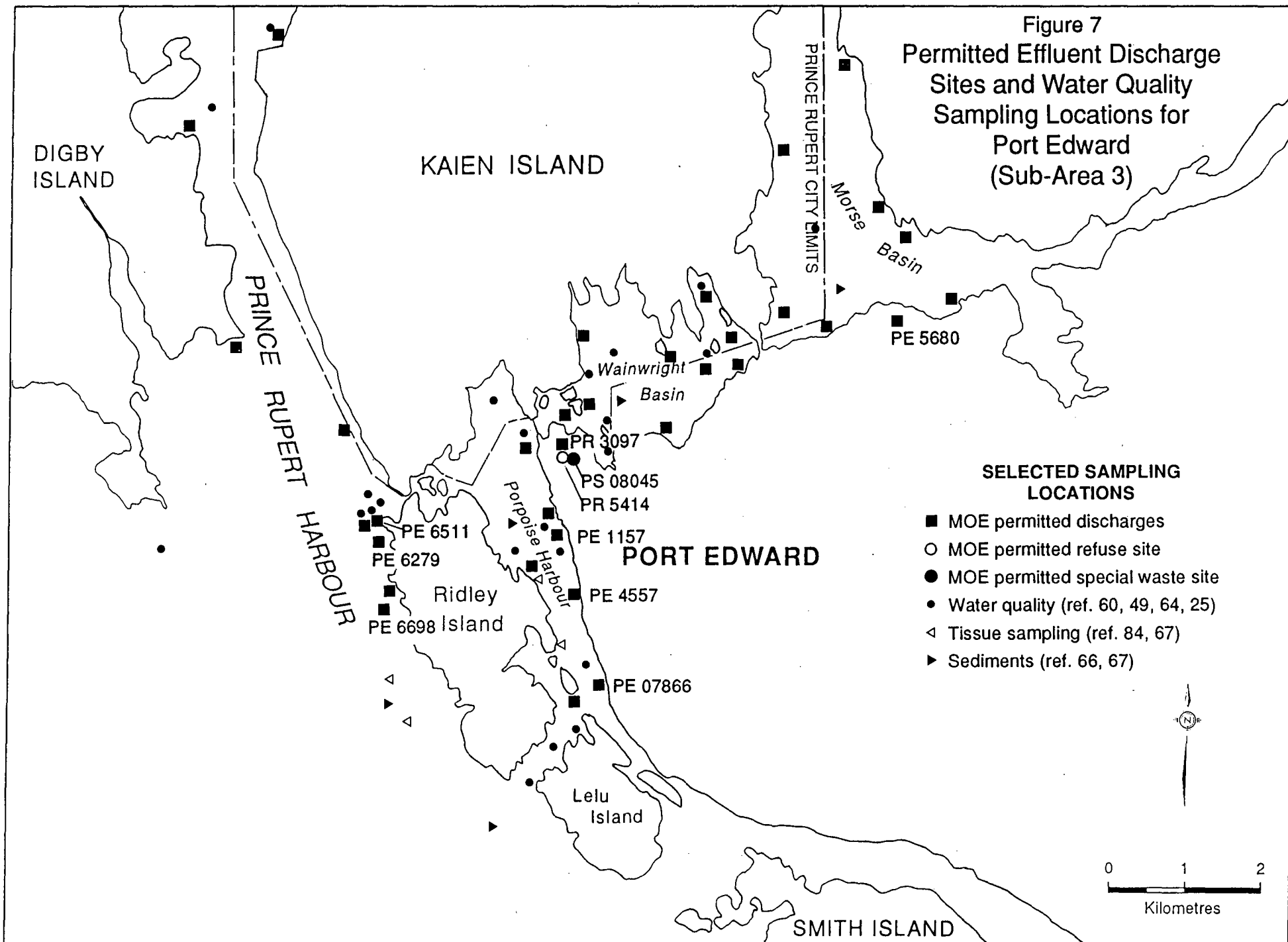
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2.0 HABITAT

2.1 Physical

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3.0 WATER QUALITY

3.1 Permitted Discharges

PE-01810 Ocean Fisheries Limited

Figure 9
Permitted Effluent Discharge
Sites for
Smith Island
(Sub-Area 4)

