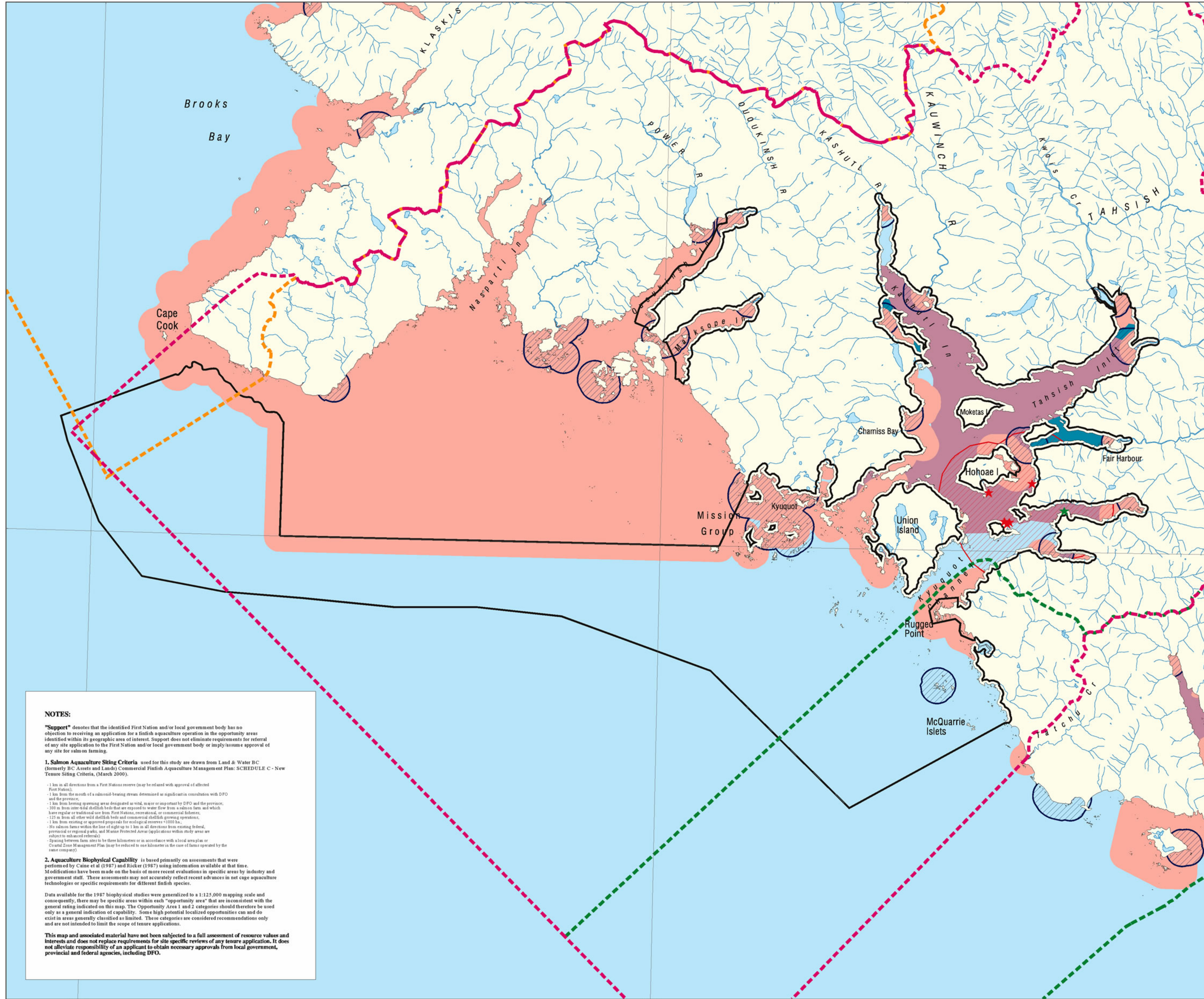


Kyuquot Sound Coastal Planning Area - Salmon Aquaculture Opportunity Analysis



Ministry of Sustainable Resource Management
Decision Support Services

Prepared for:
Resource Management Division
Coast and Marine Planning Branch

Legend

- Opportunity Area 1:**
Area meets siting criteria and has good to moderate potential for net cage salmon aquaculture
- Opportunity Area 2:**
Area meets siting criteria and has limited potential for net cage salmon aquaculture
- Not Recommended:**
Area does not meet siting criteria applied at this mapping scale
- Existing salmon farm**
- Existing salmon farm slated for relocation**
- Finfish Tenure: 3km buffer**
- First Nations reserve: 1km buffer**
- Planning area boundary**
- Local government:**
Support unconfirmed by Comox - Strathcona Regional District
- Ehatesaht First Nation:** no support given
- Kyuquot First Nation:** support unconfirmed
- Quatsino First Nation:** support unconfirmed



Projection: Albers Equal Area Conic; Datum: NAD83

Data sources:

MSRM 1:250,000 base information
Provincial Coastal Resource Information System



NOTES:

"Support" denotes that the identified First Nation and/or local government body has no objection to receiving an application for a finfish aquaculture operation in the opportunity areas identified within its geographic area of interest. Support does not eliminate requirements for referral of any site application to the First Nation and/or local government body or imply/assume approval of any site for salmon farming.

1. Salmon Aquaculture Siting Criteria used for this study are drawn from Land & Water BC (formerly BC Assets and Lands) Commercial Finfish Aquaculture Management Plan: SCHEDULE C - New Tenure Siting Criteria, (March 2000).

- 1 km in all directions from a First Nations reserve (may be reduced with approval of affected First Nation).
- 1 km from the mouth of a salmon-bearing stream determined as significant in consultation with DFO and the province.
- 1 km from breeding spawning areas designated as vital, major or important by DFO and the province.
- 300 m from intertidal shellfish beds that are exposed to water flow from a salmon farm and which have regular or traditional use from First Nations, recreational, or commercial fisheries.
- 125 m from all other wild shellfish beds and commercial shellfish growing operations.
- 1 km from existing or approved proposals for ecological reserves (1000 ha).
- No salmon farms within the line of sight up to 1 km in all directions from existing federal, provincial or regional parks, and Marine Protected Areas (applications within study areas are subject to enhanced referrals).
- Spacing between farm sites to be three kilometers or in accordance with a local area plan or Coastal Zone Management Plan (may be reduced to one kilometer in the case of farms operated by the same company).

2. Aquaculture Biophysical Capability is based primarily on assessments that were performed by Cairns et al (1987) and Ricker (1987) using information available at that time. Modifications have been made on the basis of more recent evaluations in specific areas by industry and government staff. These assessments may not accurately reflect recent advances in net cage aquaculture technologies or specific requirements for different finfish species.

Data available for the 1987 biophysical studies were generalized to a 1:125,000 mapping scale and consequently, there may be specific areas within each "opportunity area" that are inconsistent with the general rating indicated on this map. The Opportunity Area 1 and 2 categories should therefore be used only as a general indication of capability. Some high potential localized opportunities can and do exist in areas generally classified as limited. These categories are considered recommendations only and are not intended to limit the scope of tenure applications.

This map and associated material have not been subjected to a full assessment of resource values and interests and does not replace requirements for site specific reviews of any tenure application. It does not alleviate responsibility of an applicant to obtain necessary approvals from local government, provincial and federal agencies, including DFO.

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