



Making a difference...together

SOUTHERN GULF ISLANDS HARBOURS COMMISSION

Notice of Meeting on **Friday, April 23, 2021 at 9:00 a.m.**

Goldstream Meeting Room, Integrated Water Services at 479 Island Highway, Victoria, BC

For members of the **public who wish to listen to the meeting** via telephone please call **1-833-353-8610** and enter the **Participant Code 1911461 followed by #**. You will not be heard in the meeting room but will be able to listen to the proceedings.

B. Mabberley, Galiano Island

P. Brent, Saturna Island

J. Deschenes, North Pender Island

B. Dearden, Mayne Island

R. Fenton, South Pender Island

J. Hall, Piers Island/Swartz Bay

D. Howe, Electoral Area Director

REVISED MEETING AGENDA

1. CALL TO ORDER

By Ted Robbins, General Manager, Integrated Water Services

2. ELECTION OF CHAIR

(Pursuant to Section 7 Bylaw No. 2972)

Election conducted by General Manager, Integrated Water Services with assistance from the Integrated Water Services Administrative Coordinator

3. ELECTION OF VICE CHAIR

(Pursuant to Section 8 Bylaw No. 2972)

Election conducted by newly elected Chair with assistance from the Integrated Water Services Administrative Coordinator

4. APPROVAL OF AGENDA

5. ADOPTION OF MINUTES 3

Recommendation: *That the minutes of the November 27, 2020 meeting and December 22, 2020 special meeting be adopted.*

6. APPROVAL OF RESOLUTION

Recommendation: *That the Southern Gulf Islands Harbours Commission adopt the resolution as presented.*

1. *That this resolution applies to the Southern Gulf Islands Harbours Commission for the meetings being held between January 1, 2021 and December 31, 2021.*
2. *That the attendance of the public at the place of the meeting cannot be accommodated in accordance with the applicable requirements or recommendations under the Public Health Act, despite the best efforts of the Southern Gulf Islands Harbours Commission, because:*
 - a. *The available meeting facilities cannot accommodate more than (5) people in person, including members of the Southern Gulf Islands Harbours Commission and staff, and*

To ensure quorum advise Denise at 250.360.3087 if you are unable to attend

Next Meeting: Friday, June 25, 2021



Making a difference...together

MINUTES OF A MEETING OF THE SOUTHERN GULF ISLANDS HARBOURS COMMISSION
Held Friday, November 27, 2020 in the Goldstream Meeting Room, Integrated Water Services at 479 Island Highway, Victoria, BC

PRESENT: **Commissioners:** B. Mabberley (Chair), Galiano Island; D. Howe, Regional Director P. Brent (EP), Saturna Island; B. Dearden (EP), Mayne Island; J. Deschenes (EP), North Pender Island; R. Fenton (EP), South Pender Island

Staff: T. Robbins, General Manager, Integrated Water Services; D. Puskas, Manager, Capital Works; D. Robson, Manager, Saanich Peninsula and Gulf Islands Operations; S. Henderson, Manager, Real Estate Services; Lia Xu, Manager, Finance Services; D. Dionne (Recorder)

Also in Attendance: M. Lowry, Western Canada Marine Response Corp.

REGRETS: J. Hall, Piers Island

EP - Electronic Participation

The meeting was called to order at 9:07 a.m.

1. TERRITORIAL ACKNOWLEDGEMENT

2. APPROVAL OF AGENDA

Western Canada Marine Corp. Update was added to the agenda as Item 6.1

MOVED by Commissioner Brent, **SECONDED** by Commissioner Howe,
That the November 27, 2020 agenda be approved as amended.

CARRIED

3. ADOPTION OF MINUTES

A correction to the minutes was made to Item 7.1, paragraph 7.

"offshore contract could be awarded to Luxton"

Should read

"onshore contract could be awarded to Luxton"

MOVED by Commissioner Howe, **SECONDED** by Commissioner Brent,
That the minutes of the November 27, 2020 meeting be adopted as amended.

CARRIED

4. CHAIR'S REMARKS

Chair Mabberley welcomed staff around the table and made no further remarks.

5. GENERAL MANAGER'S REPORT

There was no report.

6. DELEGATIONS / PRESENTATIONS

6.1. Western Canada Marine Response Corp. Update

D. Puskas advised that Western Canada Marine Response Corp. (WCMRC) has shared an engineering report (on file) with the Capital Regional District (CRD), which was sent to Commissioners by e-mail, for information. He noted an error in paragraph two (Description) of the report that states "Pacific Industrial and Marine Ltd. has been engaged by CRD". This should read "...has been engaged by WCMRC".

The report provides structural assessment of three facilities, Lyall Harbour, Montague Harbour and Port Washington. The three facilities were proposed for the moorage of the WCMRC coastal response sea cans and the report makes the following recommendations:

- Float system should not be used for mooring the proposed WCMRC response units in the as-found condition.
- The mooring system recommended to be upgraded if the WCMRC response units are to be used.
- It is recommended that the WCMRC response units are not moored to a float which is moored by chain and anchor.
- It is recommended that the WCMRC response units be moored parallel to the existing floats (proposed to be moored perpendicular at Lyall Harbour, which we do not recommend).

He reviewed the recommendations with the Commission and invited further input from M. Lowry, WCMRC representative.

M. Lowry acknowledged the work that Commissioner Brent did with the community outreach on Saturna Island and advised that the outreach that was planned for Pender Island was put on hold due to Covid-19. He requested the Commission's feedback on the recommendations in the report.

Discussion ensued and the Commissioners agreed that the marine response sea cans are important for the communities, Lyall Harbour in particular is a vital location. Commissioners agreed that Port Washington would be a challenging location.

WCMRC to connect with Thieves Bay Marina on Pender Island as a potential option.

Staff to meet with WCMRC to discuss alternative options for placement of the Coastal Marine Package sea cans at Montague and Lyall Harbours.

7. COMMISSION BUSINESS

7.1. SGIHC 20-06 Southern Gulf Islands Harbours Service 2021 Operating and Capital Budget

Staff reviewed the 2021 Operating and Capital budget, providing details of proposed expenditures and revenue for the upcoming year.

Discussion ensued regarding:

- Raising moorage fees
- Parcel tax increases
- Fee collection at Spanish Hills
- Annual provisional dock improvements
- Maximum requisition amount
- Loan amortization options
- Funding required for awarding the tender for Anson Road project

Staff to review options for the collection of user fees from users of the Spanish Hills dock who do not reside within the Parcel Tax service area.

Staff to prepare an options analysis report providing the implications for both a 20 year and a 25 year amortization for borrowing and present the report to the Commission at a special meeting in December.

MOVED by Commissioner Brent, **SECONDED** by Commissioner Howe,
The Southern Gulf Islands Harbours Commission:

1. Approve the 2021 Operating and Capital Budget as presented;
2. Direct staff to balance the 2020 actual surplus or deficit on the 2020 transfer to the Capital Reserve Fund; and
3. Recommend that the Electoral Areas Committee recommend that the CRD Board approve the 2021 Operating and Capital Budget and five year Financial Plan for the Southern Gulf Islands Harbours Service.

CARRIED

7.2. SGIHC 20-07 Alternative Approval Process (AAP) – Next Steps

D. Puskas provided a summary of the report.

Discussion ensued and the Commission agreed that staff should move forward with the AAP process and provide an update to the Commission regarding the option of increasing moorage fees.

The Commission amended the staff recommendation to include proceeding progress with the APP.

MOVED by Commissioner Brent, **SECONDED** by Commissioner Dearden,
That the Southern Gulf Islands Harbours Commission receive this report for information and direct staff to proceed progress with the Alternative Approval Process.

CARRIED

7.3. SGIHC 20-08 Project Update

D. Puskas presented the report and provided the following additional information:

- Painting at Spanish Hills is complete
- Luxton has begun falling trees on site at Anson Road

Discussion ensued regarding the outstanding tender for Anson Road project and the funds required to award the contract. The Commission discussed options for proceeding, such as delaying other projects to use those funds and working with the contractor to purchase materials and store them.

The Commission requested that staff delay projects for Horton Bay, Piers Island and Swartz Bay and use the funds for those projects to begin the work on Anson Road, by working with the Contractor to discuss what steps are needed to begin building the floats.

MOVED by Commissioner Dearden, **SECONDED** by Commissioner Brent,
That the Southern Gulf Islands Harbours Commission receive this report for information.

CARRIED

7.4. Dock Inspections Reports

D. Robson spoke to the November dock reports, reviewing some of the comments noted within them and advised that the replacement of notice boards at some of the docks is proceeding.

Commissioner Fenton raised a concern regarding parking at Port Browning, noting that some of the parking spaces have historically been provided by the adjacent property owner. The property is now up for sale and there is concern that those spots will no longer be available for use with a new owner.

S. Henderson advised that a potential buyer had been in contact with him regarding the parking spots and noted that staff had attempted to get an agreement with the existing owner, however she asked that staff speak with the new owners.

Staff to review the parking issue at Port Browning where two spots may be affected by the sale of a property adjacent them.

Commissioner Dearden advised that he had discussions with Peter Binner regarding the placement of a padlock on bollards at Miners Bay to prohibit traffic. He stated that he spoke with the ambulance boat and the school boat captains who both objected to have a padlock as they freeze in the winter and are difficult to remove.

Staff to review with CRD Risk Management as to the risks associated with placing a padlock on the bollards at Miners Bay to stop traffic.

MOVED by Commissioner Dearden, **SECONDED** by Commissioner Brent,
That the Dock Inspection Reports be received for information.

CARRIED

8. NEW BUSINESS

Commissioner Dearden requested that the Commission consider holding a special meeting to discuss the development of a dock management plan to discuss the current model with the wharfinger and potential for raising moorage rates. Chair Mabberley advised to wait until the AAP process has concluded and review at that time.

Chair Mabberley confirmed that the election of Chair and Vice Chair will occur at the first meeting in the New Year, and asked Commissioners to consider their interest in either role.

The Commission confirmed holding a special meeting on December 22, 2020 at 9:00 a.m.

9. ADJOURNMENT

MOVED by Commissioner Dearden, **SECONDED** by Commissioner Brent,
That the meeting be adjourned at 11:54 a.m.

CARRIED

CHAIR

SECRETARY



Making a difference...together

MINUTES OF A SPECIAL MEETING OF THE SOUTHERN GULF ISLANDS HARBOURS COMMISSION

Held Tuesday, December 22, 2020 in the Goldstream Meeting Room, Integrated Water Services at 479 Island Highway, Victoria, BC

PRESENT: **Commissioners:** P. Brent (EP), Saturna Island (Vice Chair); J. Deschenes (EP), North Pender Island; J. Hall (EP), Piers Island; D. Howe, Regional Director
 Staff: T. Robbins, General Manager, Integrated Water Services; D. Puskas, Manager, Capital Works; S. Henderson, Manager, Real Estate Services; Lia Xu, Manager, Finance Services; D. Dionne (Recorder)

REGRETS: B. Mabberley (Chair), Galiano Island; B. Dearden, Mayne Island; R. Fenton, South Pender Island

Electronic Participation - (EP)

The meeting was called to order at 9:02 a.m.

Vice Chair Brent provided a territorial acknowledgement.

1. APPROVAL OF AGENDA

MOVED by Commissioner Howe, **SECONDED** by Commissioner Hall,
That the Agenda for the special meeting be approved as circulated.

CARRIED

2. DELEGATIONS / PRESENTATIONS

There were no presentations or delegations.

3. SPECIAL MEETING BUSINESS

3.1. SGIHC 20-09 Revised 2021 5-Year Operating and Capital Plan

Discussion ensued and staff responded to questions from the Commission regarding:

- The Federal requirement to complete the Anson Road project and how to fund the project should the Alternative Approval Process (AAP) not be successful.
- How staff will work with Capital Regional District's (CRD) Legislative Services department in prioritizing the multiple AAP's scheduled for 2021.
- The Parcel Tax increase for 2022/2023.

MOVED by Commissioner Brent, **SECONDED** by Commissioner Howe,
That the following motion from the November 27, 2020 meeting of the Southern Gulf Islands Harbours Commission be rescinded:

That the Southern Gulf Islands Harbours Commission:

1. Approve the 2021 Operating and Capital Budget as presented;
2. Direct staff to balance the 2020 actual surplus or deficit on the 2020 transfer to the Capital Reserve Fund; and

3. Recommend that the Electoral Areas Committee recommend that the CRD Board approve the 2021 Operating and Capital Budget and five year Financial Plan for the Southern Gulf Islands Harbours Service.

CARRIED

The staff recommendation was amended to include the following sentence as Item 2: Direct staff to balance the 2020 actual surplus or deficit on the 2020 transfer to the Capital Reserve Fund.

MOVED by Commissioner Howe, **SECONDED** by Commissioner Brent,
The Southern Gulf Islands Harbours Commission:

1. Approve the revised 2021 Operating and Capital Budget as presented;
2. Direct staff to balance the 2020 actual surplus or deficit on the 2020 transfer to the Capital Reserve Fund; and
3. Direct staff to use the 20 year amortization for the Loan Authorization Bylaw; and
4. Recommend that the Electoral Areas Committee recommend that the CRD Board approve the 2021 Operating and Capital Budget and five year Financial Plan for the Southern Gulf Islands Harbours Service.

CARRIED

4. ADJOURNMENT

MOVED by Commissioner Hall, **SECONDED** by Commissioner Deschene,
That the meeting be adjourned at 9:21 a.m.

CARRIED

CHAIR

SECRETARY



VEHICLE SUMMARY (AEQ):	
HOLDING COMPOUND	= 81
TRESTLE	= 22
TRANSFER LANES	= 10
SHOULDER HOLDING	= 22
TOTAL	= 135

FILE: J:\Terminal Construction_Active Drawings\25-Sturdies Bay_TDP\Concepts\STB-TDP-SK007.dwg PLOT DATE: March 05, 2021 12:12:15 PM

REVISIONS				REVISIONS			
NO.	DESCRIPTION	DATE	BY	NO.	DESCRIPTION	DATE	BY
F				M			
E				L			
D	UPDATED PARKING	2021/02/24	DS	K			
C	RECONFIGURED TERMINAL ENTRANCE	2021/02/19	J	J			
B	GENERAL REVISIONS	21-02-19	DS	H			
A	ADDED VISITOR BOOTH	2021/02/05	DS	G			

NOTE:
LOT LINES ARE APPROXIMATE AND HAVE NOT ALL BEEN SURVEYED.
IN SOME CASES THEY MAY HAVE BEEN DOWNLOADED FROM LAND ACT
SURVEY PARCELS - TANTALIS AND BEST FIT.

DESIGN: _____
DRAWN: DS
CHECKED: _____
DATE: 2020-05-12
SCALE: 1:750
BCF FILE: 23-
PAGE SIZE: A1 (841x594mm)



STURDIES BAY	
TERMINAL DEVELOPMENT CONCEPT 6	
COMBINED CONCEPTS	STB-TDP-SK007
DRAWING No.:	CANCEL PRINTS BEARING EARLIER REVISION

Sturdies Bay Terminal Development Plan | Marine Concept



**REPORT TO SOUTHERN GULF ISLANDS HARBOURS COMMISSION
MEETING OF FRIDAY, APRIL 23, 2021**

SUBJECT Project Update – April 2021

ISSUE SUMMARY

To update the Southern Gulf Islands Harbours Commission on current capital project progress.

BACKGROUND

The Southern Gulf Islands Harbours (SGIH) service area is comprised of 12 dock facilities among five islands within the Southern Gulf Islands. Through the service's five-year capital plan, the Capital Regional District (CRD) executes capital projects to maintain the level of service, improve service, and conduct major repairs.

Currently, there are seven projects underway in various stages of completion. The projects and their status are detailed below.

Piers Island Upgrades

No update.

Miners Bay Upgrades

A local contractor was utilized to complete a modification to the gangway, installation of the seaplane tires and ladders on the new floats. Additionally, Float C that was moved to provide temporary additional moorage will be removed and disposed of by a local contractor.

The lamp standard has been physically relocated by a local electrician, the final connection will be made within the next couple of weeks.

Horton Bay Decommission

This project is on hold until Anson Road is complete.

Spanish Hills

No update.

SGIH Docks Various Repairs

No update.

Anson Road Dock Project

Majority of the on-shore civil works were completed by the beginning of April. A minor reconfiguration of the lock block wall for the lower parking lot was required to reduce the impact on the shore, there were no cost implications.

The contractor had received unsuitable lock blocks for the upper parking lot, resulting in a delay of completing construction. Construction is anticipated to be substantially complete by the end of April.

Due to unforeseen ground conditions the contractor had to excavate more granular material than designed, which resulted in the need for some additional lock blocks and granular material. Staff are working with the contractor to finalize costs. The pit toilet's delivery date was delayed with installation currently scheduled for the end of April.

The contractor did not follow their Environmental Management Plan at the beginning of the project resulting in some complaints to Islands Trust. The contractor has rectified these to the satisfaction of an environmental monitor and has had weekly environmental monitor inspections, at the contractor's cost, to ensure compliance. Complaints to the Islands Trust have continued, and CRD staff are working with Islands Trust staff to ensure there are no negative impacts to the project.

The dock works contract is being executed with Pacific Industrial Marine for the supply and construction of the floats and approach material, with the installation to follow funding approval.

Alternative Approval Process

The alternative approval process has started with a Loan Authorization Bylaw presented and read three times at the March 24, 2021 CRD Board meeting. The bylaw has been referred to the Inspector of Municipalities for approval of the process (see Appendix A).

Staff are preparing the notices and the alternative approval question for when approval from the Inspector of Municipalities is received.

ALTERNATIVES

Alternative 1

That the Southern Gulf Islands Harbours Commission receive this report for information.

Alternative 2

That the Southern Gulf Islands Harbours Commission refer the report back to staff for additional information.

IMPLICATIONS

Alternative 1

Staff will present updates as the process progresses.

Alternative 2

Staff will present a report at the next Southern Gulf Islands Harbours Commission meeting with the additional requested information.

RECOMMENDATION

That the Southern Gulf Islands Harbours Commission receive this report for information.

Submitted by:	Dale Puskas, P. Eng., Manager, Capital Projects
Concurrence:	Ted Robbins, B.Sc., C. Tech., General Manager, Integrated Water Services

Attachment: 1

- Appendix A: Bylaw No. 4408

CAPITAL REGIONAL DISTRICT

BYLAW NO. 4408

**A BYLAW TO AUTHORIZE THE BORROWING OF
ONE MILLION ONE HUNDRED EIGHTY THOUSAND DOLLARS (\$1,180,000)
FOR SOUTHERN GULF ISLANDS HARBOURS IMPROVEMENTS**

WHEREAS:

- A. Under Bylaw No. 2614, "Small Craft Harbour Facilities Local Service Establishment Bylaw No. 1, 1998", the Capital Regional District established a local service for the acquisition and operation of small craft harbor facilities to serve the Southern Gulf Islands Electoral Area;
- B. It is deemed desirable to fund works relating to the designing and constructing of harbour improvements, and the work shall include capital renewal and upgrade of the Retreat Cove, Horton Bay, Miners Bay Upgrades, Port Washington, Swartz Bay dock facilities, as well as supply and construction of an additional float for the Piers Island dock facility, and construction of the Anson Road dock facility as well as other related works, facilities and equipment purchases;
- C. The estimated cost of the Projects, including expenses incidental thereto to be funded from debt servicing, is the sum of One Million One Hundred Eighty Thousand Dollars (\$1,180,000);
- D. Pursuant to section 407 of the *Local Government Act*, participating area approval is required and shall be obtained by alternative approval process under section 345 of the *Local Government Act*;
- E. The approval of the Inspector of Municipalities is required under section 403 of the *Local Government Act*; and
- F. The financing is to be undertaken by the Municipal Finance Authority of British Columbia

NOW THEREFORE the Board of the Capital Regional District in open meeting assembled enacts as follows:

- 1. The Board is hereby empowered and authorized to undertake and carry out or cause to be carried out the planning, study, design, equipment purchase and construction of works related to the provision of small craft harbor facilities, including, among other related works, capital renewal and upgrade of the Retreat Cove, Horton Bay, Miners Bay Upgrades, Port Washington, and Swartz Bay dock facilities, as well as supply and construction of an additional float for the Piers Island dock facility, and construction of the Anson Road dock facility and to do all things necessary in connection therewith and without limiting the generality of the foregoing:
 - (a) to borrow upon the credit of the Capital Regional District a sum not exceeding One Million One Hundred Eighty Thousand Dollars (\$1,180,000); and
 - (b) to acquire and dispose of all such real property, easements, rights-of-way, leases,

licenses, rights or authorities as may be requisite or desirable for or in connection with the planning, study, design and construction of harbour systems and all related ancillary works, studies and equipment deemed necessary in connection with the Southern Gulf Islands Harbours Improvements.

2. The maximum term for which debentures may be issued to secure the debt intended to be created by this bylaw is twenty years.
3. This Bylaw may be cited as the “Southern Gulf Islands Harbours Loan Authorization Bylaw No. 1, 2021”.

READ A FIRST TIME THIS th day of March 2021

READ A SECOND TIME THIS th day of March 2021

READ A THIRD TIME THIS th day of March 2021

APPROVED BY THE
INSPECTOR OF MUNICIPALITIES THIS th day of 202_

RECEIVED PARTICIPATING AREA
APPROVAL UNDER SECTION 342(2)
OF THE LOCAL GOVERNMENT ACT THIS _____
ADOPTED THIS _____th day of _____ 202_

CHAIR

CORPORATE OFFICER

FILED WITH THE INSPECTOR OF MUNICIPALITIES THIS th day of 202_



Southern Gulf Islands Harbours DOCK INSPECTION REPORT

DATE: 2021-04-09

DOCK FACILITY: Hope Bay, Pender Island

INSPECTOR: Peter Binner

WHARFINGER: Peter Binner

APPROACH	<input type="checkbox"/> Signage <input type="checkbox"/> Envelope Supply <input type="checkbox"/> Notices Posted <input type="checkbox"/> Rates Posted				
	The railings require painting. There are a number of deck boards that have developing rot and monitoring the condition is recommended.				
WHARF HEAD	<input checked="" type="checkbox"/> Signage <input checked="" type="checkbox"/> Envelope Supply <input checked="" type="checkbox"/> Notices Posted <input checked="" type="checkbox"/> Rates Posted				
	The railings require painting. The light standard requires painting. The notice board requires painting. There are deck boards with developing rot and monitoring these is recommended.				
GANGWAY FLOATS	A hinged transition plate for the top of the gangway is recommended. There is developing rust at the bottom end of the gangway along with the uprights for the railing, Scaling the rust and painting is recommended.				
	Due to possible structural issues with "A" float, there is approximately 45' of rub board missing from the seaward side of the float. There is also a 20' section missing on the inside of the float in the same general area. The bull rail bolts are tight but there is considerable flex occurring with the float. Replacing the rub boards, with shorter lengths may help with loss due to the flexing issue, is recommended.				
OTHER INSPECTIONS	<input checked="" type="checkbox"/> Lighting good, light standard requires paint <input checked="" type="checkbox"/> Life Rings / Heaving Lines good				
	<input checked="" type="checkbox"/> Extinguishers (expiry dates) Sept, 2021 <input type="checkbox"/> Unpaid Moorage				
COMMENTS/INSTRUCTIONS	Painting is required for the railings on the approach and wharfhead along with painting the notice board. The light standard requires painting. Scaling of rust at the bottom of the gangway and painting is required.				
	There are missing sections of rub board on "A" float that require replacement. Smaller lengths are recommended due to the flexing of the float.				
COMMENTS/INSTRUCTIONS	The connecting chains to "B" float as well as the fasteners and chains on "C" float require replacement.				
	The possible structural issue with "A" float requires investigation.				



Southern Gulf Islands Harbours DOCK INSPECTION REPORT

DATE: 2021-04-12

DOCK FACILITY: **Horton Bay, Mayne Island**INSPECTOR: **Peter Binner**WHARFINGER: **Richard Jarco**

APPROACH	<input checked="" type="checkbox"/> Signage <input checked="" type="checkbox"/> Envelope Supply <input checked="" type="checkbox"/> Notices Posted <input checked="" type="checkbox"/> Rates Posted
	<p>Everything could use a good cleaning. There is a section of bull rail that is rotting away but there are no apparent safety issues at this time.</p>

WHARF HEAD	<input type="checkbox"/> Signage <input type="checkbox"/> Envelope Supply <input type="checkbox"/> Notices Posted <input type="checkbox"/> Rates Posted
	<p>N/A</p>

GANGWAY FLOATS	<p>The gangway is rusty but it is possible that it could be reconditioned and reused at another location (Spanish Hills??). On closer inspection, this gangway is actually in reasonable condition compared to most of the other old steel gangways. However the decking is basically finished at this point.</p>
	<p>The floats are low in the water except for the dinghy float</p>

OTHER INSPECTIONS	<input checked="" type="checkbox"/> Lighting		<input checked="" type="checkbox"/> Life Rings / Heaving Lines	good
	<input checked="" type="checkbox"/> Extinguishers (expiry dates)	Jan 2022 plus 2 DFO	<input type="checkbox"/> Unpaid Moorage	

COMMENTS/INSTRUCTIONS	<p>No action required</p>



Southern Gulf Islands Harbours DOCK INSPECTION REPORT

DATE:

DOCK FACILITY: **Lyall Harbour, Saturna Island**INSPECTOR: **Peter Binner**WHARFINGER: **Veronica Voss, Jeremiah Sylvester**

APPROACH	<input type="checkbox"/> Signage <input type="checkbox"/> Envelope Supply <input type="checkbox"/> Notices Posted <input type="checkbox"/> Rates Posted
	N/A

WHARF HEAD	<input checked="" type="checkbox"/> Signage <input checked="" type="checkbox"/> Envelope Supply <input checked="" type="checkbox"/> Notices Posted <input checked="" type="checkbox"/> Rates Posted
	<p>The wharfhead requires pressure washing to remove the rock and mud debris that has collected on the surface.</p> <p>The notice board requires painting, new plexiglass and hinges.</p> <p>Safety chains are required from the wharfhead railings to the gangway railing. The old ones were never reattached or modified to fit the new gangway.</p>

GANGWAY FLOATS	<p>The gangway is in excellent condition. There is a bit of junk collecting under the gangway.</p> <p>The main float is low in the water on the outward side. It is almost the same as it was before the flotation was upgraded. There was a bit of a steady NW wind and waves were breaking over the float. The pile wells are good. the pilings next to the gangway are showing minimal wear. All other pilings are good along with the anodes on the steel pilings.</p> <p>The transition plate to "B" float is becoming a mess, it cannot stay fastened to the deck and the hinge rod keeps coming out. It has seen its useful life and requires replacement. This float is also low in the water where it connects to the main float. Both "B" & "C" floats have been pressure washed.</p> <p>I removed one safety ladder from "C" float and installed it on the shore side of the main float near the Kayak float.</p> <p>Tires are required for the shore side of the seaplane landing zone, 4 or 5 well spaced will do.</p>
-----------------------	---

OTHER INSPECTIONS	<input checked="" type="checkbox"/> Lighting requires inspection	<input checked="" type="checkbox"/> Life Rings / Heaving Lines good, one requires grab line
	<input checked="" type="checkbox"/> Extinguishers (expiry dates) May 2021	<input type="checkbox"/> Unpaid Moorage

COMMENTS/INSTRUCTIONS	<p>Pressure washing the wharfhead is recommended.</p> <p>Painting and refurbishing the notice board is recommended.</p> <p>Reattaching the safety chains on the gangway is required.</p> <p>Removing the collection of junk under the gangway is required.</p> <p>Replacing the old transition plate on "B" float is required as it is becoming a concerning safety issue.</p> <p>Inspection of the lighting is recommended.</p> <p>4 or 5 tires are required for the shore side of the seaplane landing zone, not as tightly spaced as on the other side.</p>
------------------------------	--

Southern Gulf Islands Harbours DOCK INSPECTION REPORT

DATE: 4/12/21

DOCK FACILITY: **Miners Bay, Mayne Island**INSPECTOR: **Peter Binner**WHARFINGER: **Neil Jensen**

APPROACH	<input checked="" type="checkbox"/> Signage	<input checked="" type="checkbox"/> Envelope Supply	<input checked="" type="checkbox"/> Notices Posted	<input checked="" type="checkbox"/> Rates Posted
	<p>The railings and bull rails are painted but Pressure washing will soon be required. The deck boards are mostly in good condition except in the area of the entrance to "B" float and the notice board, replacement is recommended. The Notice board is rotten and requires replacement.</p>			

WHARF HEAD	<input type="checkbox"/> Signage	<input type="checkbox"/> Envelope Supply	<input type="checkbox"/> Notices Posted	<input type="checkbox"/> Rates Posted
	<p>The wharfhead has many areas of rot in the deck boards, patching with plywood is recommended as the rot develops.</p>			

GANGWAY FLOATS	<p>Gangway "A" decking and kick boards are in poor condition and replacement is recommended. The ladder rungs might be replaced with an overall new non skid surface. The metal frame of this gangway is in reasonably good condition. The pilings in the first set of pile wells next to the gangway are showing 10% to 20% wear. The end set of pilings are showing roughly 10% to 15% wear and all the pile wells are functioning properly. The old seaplane float is still hanging off of "A" float.</p> <p>Gangway "B" has a transition plate that is a problem, replacing it with a hinged plate may be an option. The expanded metal nonskid is required for the surface of the gangway. No conveyor belt matting or a gurney guide rail is required. The seaplane landing zone requires a bull rail or a tie rail at the end. The ladder installed at the end of the tires in the seaplane zone is an obstruction and a safety issue. Yellow paint and signage is required in the loading and seaplane landing zones.</p>			
-----------------------	---	--	--	--

OTHER INSPECTIONS	<input checked="" type="checkbox"/> Lighting	Unfinished	<input checked="" type="checkbox"/> Life Rings / Heaving Lines	good
	<input checked="" type="checkbox"/> Extinguishers (expiry dates)	Jan 2022, June 2021	<input type="checkbox"/> Unpaid Moorage	

COMMENTS/INSTRUCTIONS	<p>Pressure washing the railings and bull rails on the approach and wharfhead is recommended for the Fall season. Float "A" and gangway will also require pressure washing.</p> <p>The notice board requires replacement.</p> <p>Fixing the floating transition to gangway "B" is recommended.</p> <p>Replacing the nonskid on Gangway "B" is required.</p> <p>*Installing a bull rail/tie down rail at the end of the float for the seaplane is required.</p> <p>*Modifying or moving the ladder installed in the seaplane landing zone is required.</p> <p>*These two are safety issues for the seaplane</p>
------------------------------	--



Southern Gulf Islands Harbours DOCK INSPECTION REPORT

DATE: 2021-04-11

DOCK FACILITY: Montague Harbour, Galiano Island

INSPECTOR: Peter Binner

WHARFINGER: Erik Meden

APPROACH	<input checked="" type="checkbox"/> Signage	<input checked="" type="checkbox"/> Envelope Supply	<input checked="" type="checkbox"/> Notices Posted	<input checked="" type="checkbox"/> Rates Posted
	Railings and bull rails are painted. The decking is in good condition but a light pressure washing of the bull rails, decking and notice board is recommended. Painting the notice board is also recommended			

WHARF HEAD	<input type="checkbox"/> Signage	<input type="checkbox"/> Envelope Supply	<input type="checkbox"/> Notices Posted	<input type="checkbox"/> Rates Posted
	N/A			

GANGWAY FLOATS	The Aluminum gangway is in good condition. The gurney guide rail has a section that is loose, the fasteners have come undone. The fasteners look like a screw (Robertson) but it is difficult to tell exactly what they screw into. The Medics on the Ambulance boat prefer the decking without the guide rail.
	The floats are all in good condition, bull rail bolts are tight, the flotation is stable and the pilings and pile wells are showing minimal wear except there is a strip of UHMW that has a piece that has broken off. These strips were too narrow to begin with and there is very little room to work in this particular pile well, it was likely never well fastened in the first place. Yellow paint is required for the bull rails at the seaplane landing and the loading zone.

OTHER INSPECTIONS	<input checked="" type="checkbox"/> Lighting	good	<input checked="" type="checkbox"/> Life Rings / Heaving Lines	good
	<input checked="" type="checkbox"/> Extinguishers (expiry dates)	Jan 2022 & July 2021	<input type="checkbox"/> Unpaid Moorage	

COMMENTS/INSTRUCTIONS	There are no serious issues of concern at this dock. Regular maintenance to clean up the appearance with minor pressure washing and some painting will help keep things in good order. Pressure washing and painting is recommended. The bull rails at the seaplane landing and the loading zone require yellow paint.
	There is a tire missing at the seaplane landing, replacement is required. The inadequate strips of UHMW(2.5") installed in the pile wells require replacement. At the moment only one piece is broken and requires replacement but replacement of a proper size is recommended for all of the pile wells. A section of the gurney guide rail is loose but properly securing this is questionable. This rail may not be required.



Southern Gulf Islands Harbours DOCK INSPECTION REPORT

DATE: 15-Apr-2021

DOCK FACILITY: Piers Island

INSPECTOR: Peter Binner

WHARFINGER: Mike Smart

APPROACH	<input type="checkbox"/> Signage <input type="checkbox"/> Envelope Supply <input type="checkbox"/> Notices Posted <input type="checkbox"/> Rates Posted
	The railings and bull rails are unpainted, pressure washing in the Fall season is recommended. The mud grate and deck boards are in good condition. There is only a small section of bull rail with developing rot, replacement at some point is recommended, this is not critical.

WHARF HEAD	<input type="checkbox"/> Signage <input type="checkbox"/> Envelope Supply <input type="checkbox"/> Notices Posted <input type="checkbox"/> Rates Posted
	N/A

GANGWAY FLOATS	The gangway railings are painted, the roller bearings are good and there is a new "safety tread" aluminum apron at the bottom of the gangway.
	The float is in reasonably good condition, the flotation is good with just the area below the gangway that is lower in the water. The bull rails are tight, the decking and bull rails are worn but still in reasonable condition. The pilings are showing minimal wear, there are no pile wells, the shape of the float becomes the "pile well".

OTHER INSPECTIONS	<input type="checkbox"/> Lighting N/A	<input checked="" type="checkbox"/> Life Rings / Heaving Lines good
	<input checked="" type="checkbox"/> Extinguishers (expiry dates) Sept 2021	<input type="checkbox"/> Unpaid Moorage

COMMENTS/INSTRUCTIONS	Pressure washing the railings, bull rails and deck boards on the approach in the Fall season is recommended.
	Yellow paint is required for the landing zone.



Southern Gulf Islands Harbours DOCK INSPECTION REPORT

DATE: 2021-04-09

DOCK FACILITY: **Port Browning, Pender Island**INSPECTOR: **Peter Binner**WHARFINGER: **Claude Kennedy**

APPROACH	<input checked="" type="checkbox"/> Signage <input checked="" type="checkbox"/> Envelope Supply <input checked="" type="checkbox"/> Notices Posted <input checked="" type="checkbox"/> Rates Posted
	<p>The mud grate is clogged and a better plan for drainage is required. The railings require painting. The notice board is rotten and requires replacement. There are a number of deck boards that have developing rot and replacement is recommended.</p>

WHARF HEAD	<input type="checkbox"/> Signage <input type="checkbox"/> Envelope Supply <input type="checkbox"/> Notices Posted <input type="checkbox"/> Rates Posted
	<p>N/A</p>

GANGWAY FLOATS	<p>The gangway is painted and the decking is good along with the transition plates.</p> <p>There is a concerning issue with "A" float and the decreasing level of flotation developing in the area under the gangway. At the opposite end of the float there is also a minor decrease in the flotation and this is contributing to a "humping" in the middle of the float. At the end under the gangway, I have been observing the drop in flotation and it appears to be roughly 1"+ in 2 months. The perpendicular cross ties under the deck joists are now well under water. The rapid rate in the loss of flotation is much more than usually occurs in my experience and action is required.</p> <p>The bull rail bolts are tight on all floats and the deck boards are in reasonable condition. Pressure washing is required when we get to the Fall season. The pilings and pile wells are good, with minimal wear showing. Yellow paint is required for the dinghy landing and the loading zone areas.</p>
-----------------------	--

OTHER INSPECTIONS	<input checked="" type="checkbox"/> Lighting <input checked="" type="checkbox"/> Life Rings / Heaving Lines	12v, motion sensor good
	<input checked="" type="checkbox"/> Extinguishers (expiry dates) <input type="checkbox"/> Unpaid Moorage	Nov 2021

COMMENTS/INSTRUCTIONS	<p>The mud grate requires a proper drainage plan.</p> <p>The railings require painting. The notice board requires replacement.</p> <p>The flotation issues with "A" float are very concerning and action is required.</p> <p>Yellow paint is required in the dinghy and loading zone areas.</p>
------------------------------	---



Southern Gulf Islands Harbours DOCK INSPECTION REPORT

DATE: 2021-04-09

DOCK FACILITY: Port Washington, Pender Island

INSPECTOR: Peter Binner

WHARFINGER: Rod MacLean

APPROACH	<input checked="" type="checkbox"/> Signage <input checked="" type="checkbox"/> Envelope Supply <input checked="" type="checkbox"/> Notices Posted <input checked="" type="checkbox"/> Rates Posted
	<p>The railings and bull rails are unpainted. The deck boards in this area are in good condition.</p> <p>The notice board is rotten and replacement is required. The marine, Spill Kit (round blue barrel) has a locking metal lid ring that is not made for a marine environment! The locking lever is completely rusted but I was able to free it up, not sure how long it will survive.</p>

WHARF HEAD	<input type="checkbox"/> Signage <input type="checkbox"/> Envelope Supply <input type="checkbox"/> Notices Posted <input type="checkbox"/> Rates Posted
	<p>The bull rails are unpainted and pressure washing is recommended for them and the area around and under them. There are numerous deck boards that have developing rot issues. Monitoring these for replacement is recommended.</p>

GANGWAY FLOATS	<p>Gangway "A" requires painting of the railings and the main frame work and roller mounts require descaling of the rust and new paint. The lose guide rail requires refastening. The float has lose bull rail bolts in the middle area but no rub boards are missing, tightening the bolts is required. 2 tires are missing in the seaplane landing zone and replacement is required. The anchor chains require inspection and adjustment if necessary.</p> <p>Gangway "B" requires painting and descaling of the rust. There is a section of bull rail that requires repair, next to the gangway on the SW side of the float. The roller bearings require servicing or possible replacement. The pilings and pile wells are in reasonably good condition. The white UHMW(?) is old (cracking) but may still have life. There are a few lose bull rail bolts on the shore side of this float, tightening is required. This float is lower in the water where it connects to "C" float, there may be a flotation issue here as the transition is rather extreme. The connecting chains require replacement. The anchor chains on "C" require inspection and adjustment.</p>
-----------------------	---

OTHER INSPECTIONS	<input checked="" type="checkbox"/> Lighting requires inspection <input checked="" type="checkbox"/> Life Rings / Heaving Lines 2 X good
	<input checked="" type="checkbox"/> Extinguishers (expiry dates) Nov, 2021 <input type="checkbox"/> Unpaid Moorage

COMMENTS/INSTRUCTIONS	<p>A new notice board is required. The lighting at this dock requires inspection and repair.</p> <p>Both gangways require rust descaling and new paint. The roller bearings on both gangways require servicing or replacement. The lose guide rail on "A" float can be refastened when the other work on the gangway begins.</p> <p>The bull rails on both floats require tightening. A section of bull rail on "B" float requires repair. The chains attaching "B" & "C" float require replacement. The transition between "B" & "C" is becoming extreme and flotation on "B" float may be an issue. The anchor chains on "A" & "C" float require inspection and possible adjustment. Yellow paint and 2 replacement tires are required at the seaplane landing zone. New UHMW in pile wells "B" float is recommended.</p>
------------------------------	---



Southern Gulf Islands Harbours DOCK INSPECTION REPORT

DATE: 2021-04-11

DOCK FACILITY: **Retreat Cove, Galiano Island**INSPECTOR: **Peter Binner**WHARFINGER: **Kiyoshi Okuda**

APPROACH	<input checked="" type="checkbox"/> Signage <input checked="" type="checkbox"/> Envelope Supply <input checked="" type="checkbox"/> Notices Posted <input checked="" type="checkbox"/> Rates Posted
	The railings are painted, the mud grate is clean and the decking all looks good. The notice board is painted and clean.

WHARF HEAD	<input type="checkbox"/> Signage <input type="checkbox"/> Envelope Supply <input type="checkbox"/> Notices Posted <input type="checkbox"/> Rates Posted
	N/A

GANGWAY FLOATS	The gangway railings are painted and the decking is in good condition. The transition plates are also in good order. There are 3 pilings (no pile well), for the float at the NW outside end of the float, next to the gangway. There is wear occurring with the first two, with approximately 10 to 20% wear showing. There is minimal wear on the pilings (3), on the opposite side of the float. All other piles and pile wells are in good condition, showing minimal wear. The bull rails are tight and the deck boards are in good condition.

OTHER INSPECTIONS	<input type="checkbox"/> Lighting	N/A	<input checked="" type="checkbox"/> Life Rings / Heaving Lines	good
	<input checked="" type="checkbox"/> Extinguishers (expiry dates)	Sept 2021	<input type="checkbox"/> Unpaid Moorage	

COMMENTS/INSTRUCTIONS	There are no current issues with this dock, other than the slight wear on the 2 float pilings that take the brunt of the weather that occurs at this location. Monitoring for wear is recommended. This dock is otherwise in good condition.



Southern Gulf Islands Harbours DOCK INSPECTION REPORT

DATE: 2021-04-11

DOCK FACILITY: **Spanish Hills, Galiano Island**INSPECTOR: **Peter Binner**WHARFINGER: **Dan White**

APPROACH	<input type="checkbox"/> Signage <input type="checkbox"/> Envelope Supply <input type="checkbox"/> Notices Posted <input type="checkbox"/> Rates Posted
	<p>All railings and bull rails are unpainted. The decking is in reasonably good condition and regular pressure washing is recommended.</p>

WHARF HEAD	<input checked="" type="checkbox"/> Signage <input type="checkbox"/> Envelope Supply <input type="checkbox"/> Notices Posted <input type="checkbox"/> Rates Posted
	<p>The railings and bull rails are unpainted. Regular pressure washing is recommended. There is no notice board, a notice board and life ring are required.</p>

GANGWAY FLOATS	<p>The gangway is old and has issues with rust but it has been recently painted. There are issues with deterioration from rust, on the steel expanded metal grating used on this gangway. This rust is more of a concern at the bottom end of the gangway and at some point, a new gangway is recommended. The roller bed and guide rails are also old and have rust and wear issues and replacement is recommended.</p> <p>The float is floating low in the water and improving the flotation is recommended. The float, otherwise appears to be in reasonably stable condition considering its age.</p>
-----------------------	---

OTHER INSPECTIONS	<input type="checkbox"/> Lighting <input type="checkbox"/> Life Rings / Heaving Lines	N/A	No
	<input checked="" type="checkbox"/> Extinguishers (expiry dates) <input type="checkbox"/> Unpaid Moorage	Jan 2022	

COMMENTS/INSTRUCTIONS	<p>Pressure washing is recommended for this dock. Establishing a routine maintenance schedule for this is recommended.</p> <p>The age and the issues of rust on the gangway and the roller bed and guide rails require monitoring along with the flotation issues of the float.</p>
------------------------------	---



Southern Gulf Islands Harbours DOCK INSPECTION REPORT

DATE: 2021-04-11

DOCK FACILITY: **Sturdies Bay, Galiano Island**INSPECTOR: **Peter Binner**WHARFINGER: **Kiyoshi Okuda**

APPROACH	<input type="checkbox"/> Signage	<input type="checkbox"/> Envelope Supply	<input type="checkbox"/> Notices Posted	<input type="checkbox"/> Rates Posted
	N/A			

WHARF HEAD	<input checked="" type="checkbox"/> Signage	<input checked="" type="checkbox"/> Envelope Supply	<input checked="" type="checkbox"/> Notices Posted	<input checked="" type="checkbox"/> Rates Posted
	<p>The railings and bull rails are unpainted, regular pressure washing is recommended to maintain the life of the wood.</p> <p>The metal barricade at the entrance requires new yellow paint.</p> <p>The notice board requires cleaning and new paint.</p> <p>The lighting requires inspection and cleaning.</p>			

GANGWAY FLOATS	<p>Yellow nonskid paint is required on the top gangway transition plate. The gangway's wooden decking requires pressure washing and looking at updating the surface is recommended. The roller bed boards are old and showing signs of rot and wear, replacement is also recommended.</p>	
	<p>The float has now developed the issue that it had, the bull rail bolts are again lose in the middle of the float and there is a rub board missing and another lose on the opposite side. The bolts require re-tightening but there may be more of an issue somewhere with the structure. There is a lot of movement impacting this float, flexing may be the best thing for it and instead of long sections of rub board, shorter lengths may survive longer.</p> <p>The pilings and pile wells are showing minimal wear, the NE corners are affected the most. Yellow paint is required for the loading zone.</p>	

OTHER INSPECTIONS	<input checked="" type="checkbox"/> Lighting	requires inspection/cleaning	<input checked="" type="checkbox"/> Life Rings / Heaving Lines	good
	<input checked="" type="checkbox"/> Extinguishers (expiry dates)	July 2021	<input type="checkbox"/> Unpaid Moorage	

COMMENTS/INSTRUCTIONS	<p>Regular pressure washing is recommended, railings, bull rails, gangway and on the float.</p> <p>The barricade requires new yellow paint. The top gangway transition plate requires new non skid yellow paint (I have this paint).</p> <p>This gangway is a "beast" and requires lifting it for servicing the roller bearings, the decking and roller bed are wearing out and replacement is recommended.</p> <p>The float has issues with the structure and the bull rail bolts are all lose in the middle area. A 20' section of rub board has broken off and the wharfinger will replace it with a few shorter sections to help with the flexing of the float. Yellow paint is required for the loading zone.</p>



Southern Gulf Islands Harbours DOCK INSPECTION REPORT

DATE: 15-Apr-2021

DOCK FACILITY: Swartz Bay

INSPECTOR: Peter Binner

WHARFINGER: Mike Smart

APPROACH	<input checked="" type="checkbox"/> Signage <input checked="" type="checkbox"/> Envelope Supply <input checked="" type="checkbox"/> Notices Posted <input checked="" type="checkbox"/> Rates Posted
	<p>The railings are painted red, painting these railings the common Blue of most of the CRD docks is recommended. There are no issues with the concrete walk way.</p> <p>The notice board is in good condition.</p>

WHARF HEAD	<input type="checkbox"/> Signage <input type="checkbox"/> Envelope Supply <input type="checkbox"/> Notices Posted <input type="checkbox"/> Rates Posted
	N/A

GANGWAY FLOATS	<p>The gangway is painted (blue) and there are areas of rust that are developing. There was some minor damage to the apron when a poorly executed alignment was attempted after the new float was installed. No repair is necessary at this point.</p> <p>The decking on the gangway is getting old and showing its age. Re-decking this gangway is recommended.</p> <p>"A" float is old and showing moderate wear. There is the section, just past the end of the gangway, that the bottom stringers have completely rotted out. The bull rail bolts are loose in this area and a rub board is missing, monitoring this issue is recommended.</p> <p>One of the 2 ladders at the shore end of this float has been hit by a boat and has been bent up on one side. Only one ladder is required in this area, removing this ladder for future use elsewhere is recommended.</p> <p>"B" float is in good condition, there are no apparent issues. The yellow paint is required for the loading zone.</p>
-----------------------	--

OTHER INSPECTIONS	<input checked="" type="checkbox"/> Lighting		<input checked="" type="checkbox"/> Life Rings / Heaving Lines	good
	<input checked="" type="checkbox"/> Extinguishers (expiry dates)	Nov 2021	<input type="checkbox"/> Unpaid Moorage	

COMMENTS/INSTRUCTIONS	<p>Painting the railings on the approach Blue, is recommended.</p> <p>Monitor the damage to the underside of the gangway apron.</p> <p>Monitor the area where the lower flange has rotted out (both sides)</p> <p>The damaged ladder could be removed and relocated to another location or saved as a spare.</p> <p>Re-decking the gangway is recommended. The Medics, with the ambulance service are finding that with the new gurneys, an unobstructed nonskid surface is preferred. Consideration of some nonskid materials is recommended</p>
------------------------------	---

Cetacean Conservation - Conservation des cétacés

Help protect whales, dolphins, and porpoises (cetaceans) in the Salish Sea

Aidez à protéger les baleines, les dauphins et les marsouins (cétacés) dans la mer des Salish



Galiano
Conservancy
ASSOCIATION



Grey Whales, Humpback Whales, Killer Whales, and Harbour Porpoises are considered to be at risk of extinction. The Salish Sea's iconic Southern Resident Killer Whales are critically endangered, and have declined in number by 25% since 1995.

Threats to these cetacean include physical and noise disturbances and the loss of critical prey such as herring and salmon.

Avoiding kelp forests and eelgrass meadows when boating and anchoring helps protect these important habitats for the many species, including herring and salmon, that rely on them.

Consult the map below to avoid anchoring in fragile eelgrass habitat.



Photo: Talia Goodyear



Photo: Talia Goodyear

Les baleines grises, les rorquals à bosse, les épaulards et les marsouins communs sont considérés comme des espèces menacées d'extinction. Les épaulards résidents du sud, véritables icônes de la mer des Salish, sont en danger critique d'extinction, leur population ayant connu un déclin s'élevant à plus de 25 % depuis 1995.

Les menaces pesant sur ces cétacés comprennent les perturbations physiques et sonores et la perte de proies critiques telles que le hareng et le saumon.

Éviter les forêts de varech et les herbiers de zostère lors de la navigation de plaisance et de l'ancrage permet de protéger ces habitats essentiels à de nombreuses espèces, dont le hareng et le saumon, qui en dépendent.

Consultez la carte ci-dessous pour éviter de vous ancrer dans un habitat fragile de zostère.

Be Respectful, Boat Responsibly When You See a Tail, Fin, or Spout!

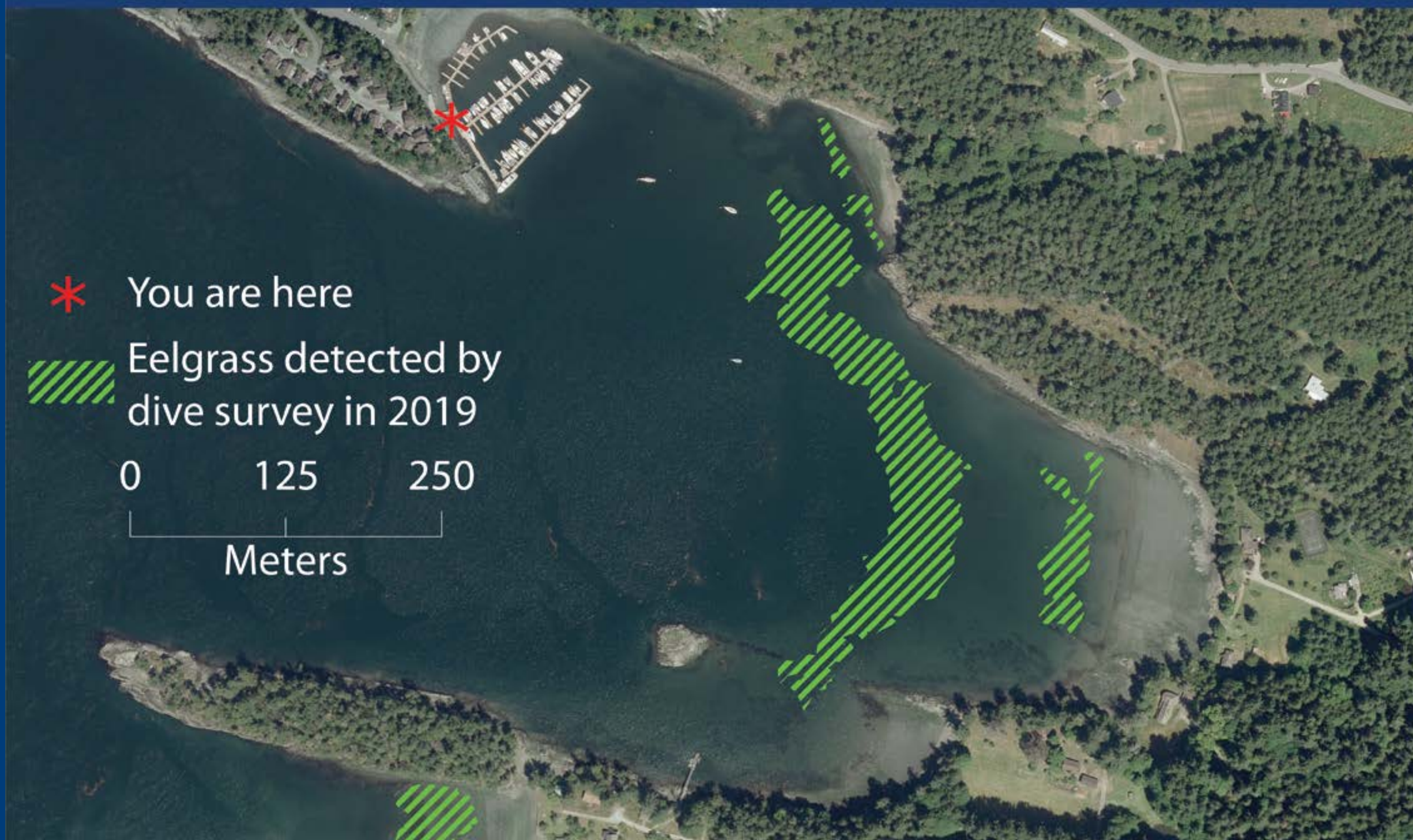
- **Slow down** to < 7 knots within 1000 m of Orcas or other cetaceans
- **Give whales space!** Stay at least:
 - 400 m away from all Orcas in Southern BC coastal waters
 - 200 m away from all whales in a resting position or with their calf
 - 100 m away from all other whales, porpoises, and marine mammals
- **Reduce noise:** turn fish finders and echo sounders off when not in use, and put engine in neutral idle, if safe to do so, when within 400 m of whales
- **Never chase or follow whales**, and stay clear of their path
- It is your responsibility to keep up to date with Marine Mammal Regulations. Click the QR code for more information.



Soyez respectueux, naviguez de manière responsable lorsque vous voyez une queue, une nageoire ou un jet!

- **Ralentir à une vitesse** de < 7 nœuds lorsque vous êtes à une distance de moins de 1000 m des épaulards ou d'autres cétacés
- **Donner de l'espace aux baleines!** Maintenir une distance d'au moins :
 - 400 m de tous les épaulards dans les eaux côtières du sud de la C.-B.
 - 200 m de toutes les baleines en position de repos ou avec un baleineau
 - 100 m de toutes les autres baleines, marsouins et mammifères marins
- **Réduire le bruit :** éteindre les sondeurs et sondeurs lorsqu'ils ne sont pas utilisés et mettre le moteur au ralenti neutre, si cela est sécuritaire, à moins de 400 m des baleines.
- **Ne jamais chasser ou suivre les baleines;** s'écarter de leur chemin
- Vous avez la responsabilité de vous tenir au courant du Règlement sur les mammifères marins. Cliquez sur le code QR pour plus d'informations.

Otter Bay, North Pender Island



Protect Kelp Forests and Eelgrass Meadows - Anchor Out!

Bull Kelp (*Nereocystis luetkeana*)

Kelp beds grow in rocky coastal areas, forming dense underwater "forests" that provide habitat for thousands of species, including salmon and the small schooling fish they prey upon, such as herring, which spawn (lay eggs) on kelp.

Did you know? Bull Kelp, is an annual seaweed. It can grow from a spore to a length of 36 m in a single year, and by as much as 25 cm in a single day!

To protect this habitat, avoid motoring through kelp forests.

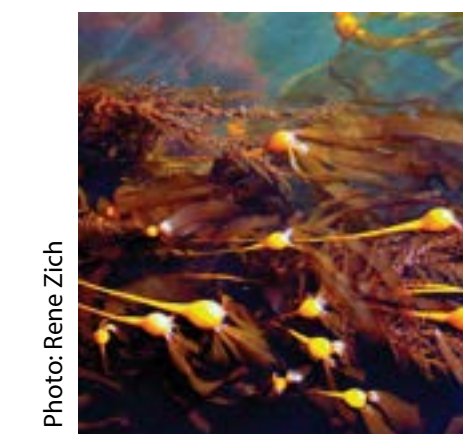


Photo: Rene Zich

Eelgrass (*Zostera marina*)

Eelgrass meadows are common in estuaries, shallow bays, and tidal flats, and act as a "nursery" for many fish species. Eelgrass meadows in river-mouth estuaries offer shelter and abundant prey for juvenile salmon as they grow and adjust from freshwater living to saltwater living.

Did you know? Eelgrass is neither a seaweed nor a grass, but rather a marine perennial flowering plant.

As anchored boats move in the current and wind, anchor chains scour the bottom causing damage to eelgrass. In select bays studied in the Southern Gulf Islands, eelgrass has declined by 40% between 1932 and 2016.

Anchor or moor deeper than 7 m (23ft) chart depth to avoid damaging fragile eelgrass habitat.



Photo: Andrew Simon

Protection des forêts de varech et des herbiers de zostère – S'ancrer au large

Le néréocyste (*Nereocystis luetkeana*)

Les lits de varech se développent dans les zones côtières rocheuses, formant des « forêts » sous-marines denses qui offrent un habitat à des milliers d'espèces, y compris le saumon et les petits bancs de poissons dont il se nourrit, comme le hareng, qui fraye (pond ses œufs) sur le varech.

Le saviez-vous? Le néréocyste, une algue annuelle, peut passer d'une spore à une longueur de 36 m en une seule année, et même jusqu'à 25 cm en une seule journée!

Pour protéger cet habitat, évitez de traverser les forêts de varech.

La zostère (*Zostera marina*)

Les herbiers de zostère sont communs dans les estuaires, les baies peu profondes et les vasières, et agissent comme une « nourricerie » pour de nombreuses espèces de poissons. Les herbiers de zostère dans les estuaires à l'embouchure des estuaires offrent un abri et une abondance de proies pour les saumons juvéniles qui grandissent et s'adaptent de la vie en eau douce à la vie en eau salée.

Le saviez-vous? La zostère n'est ni une algue ni une herbe, mais plutôt une plante vivace marine à fleurs.

Lorsque les bateaux ancrés se déplacent au fil du courant et du vent, les chaînes d'ancrage frottent le fond, causant des dommages à la zostère. Dans certaines baies des îles du sud du Golfe, des études ont révélé que la zostère a diminué de 40 % entre 1932 et 2016.

Ancrer ou amarrer à une échelle de profondeur supérieure à 7 m (23 pi) pour éviter d'endommager l'habitat fragile de la zostère



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Inform others and report violations to DFO at 1-800-465-4336
Produced in 2020 with the financial support of Fisheries and Oceans Canada
For more information about this project, go to:
galianoconservancy.ca/cetaceans

Informez les autres et signalez toute violation au MPO au numéro suivant : 1-800-465-4336
Produit en 2020 avec le soutien financier de Pêches et Océans Canada.
Pour obtenir de plus amples renseignements à ce sujet, veuillez visiter le site Web
galianoconservancy.ca/cetaceans