



Trust Programs Committee Agenda

Date: Monday, February 19, 2018
Time: 10:30 am - 3:00 pm
Location: Regional District of Nanaimo
6300 Hammond Bay Road, Nanaimo, BC

	Pages
1. CALL TO ORDER	
2. APPROVAL OF AGENDA	
2.1 Introduction of New Items	
2.2 Approval of Agenda	
3. ADOPTION OF MINUTES	
3.1 Minutes of Meeting	
3.1.1 January 24, 2018	3 - 5
3.2 Follow Up Action List	6 - 8
4. TRUST COUNCIL BUSINESS	
4.1 List of service integration issues across of the Trust Area - Briefing	9 - 20
5. BUSINESS	
5.1 Trust Area Freshwater Sustainability Forum Project - Briefing	21 - 23
5.2 Baynes Sound Lambert Channel Ecosystem Forum Update - Briefing	24 - 25
5.3 Baynes Sound / Lambert Channel Ecosystem Forum Project Charter Amendment - RFD	26 - 28
that the Trust Programs Committee adopt the revised Baynes Sound / Lambert Channel Ecosystem Forum project charter, V 1.2 that reflects a project budget increase of \$3,000.	
5.4 Indicator Program - Update	
5.4.1 Briefing Note	29 - 43
5.5 Crown Land Agreement Project (verbal update)	
6. NEW BUSINESS	
6.1 Plastics in the Salish Sea	44 - 48
7. WORK PROGRAM	
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8. **NEXT MEETING - May 14, 2018 (Nanaimo)**

9. **ADJOURNMENT**

*Approximate time is provided for the convenience of the public only and is subject to change without notice.



Trust Programs Committee Minutes of Regular Meeting

Date of Meeting: Wednesday, January 24, 2018

Location: Islands Trust Victoria Boardroom
200-1627 Fort Street, Victoria, BC

Members Present: Brian Crumblehulme, Mayne Island Local Trustee (Chair)
Tony Law, Hornby Island Local Trustee (video conference)
Sue Ellen Fast, Bowen Island Municipal Trustee
Heather O'Sullivan, Gabriola Island Local Trustee (Vice Chair)
Dan Rogers, Gambier Island Local Trustee (video conference)
David Critchley, Denman Island Local Trustee (teleconference)
George Grams, Salt Spring Island Local Trustee (EC Rep)
Peter Luckham, Islands Trust Chair (ex officio)
Paul Brent, Saturna Island Local Trustee (video conference)
Peter Grove, Salt Spring Island Local Trustee
Melanie Mamoser, Gabriola Island Local Trustee (video conference)

Staff Present: Clare Frater, Director of Trust Area Services
Russ Hotsenpiller, Chief Administrative Officer
Emma Restall, Recorder

Media and Others Present: None

1. CALL TO ORDER

Chair Crumblehulme called the meeting to order at 10:02 a.m. Chair Crumblehulme acknowledged that the meeting was being held in Coast Salish First Nations territory.

2. APPROVAL OF AGENDA

2.1 Introduction of New Items
None

2.2 Approval of Agenda

By General Consent, the agenda was approved as presented.

3. ADOPTION OF MINUTES

3.1 November 6, 2017 Minutes

By General Consent, the minutes of November 6, 2017 were adopted as amended.

4. TRUST COUNCIL BUSINESS

4.1 Identifying changes that improve delivery and integration of services – Briefing

Trustees discussed the required improvements to service delivery and integration and the steps involved in achieving these changes.

Discussion points included:

- Gathering input from Salt Spring Island and other Local Trust Committees on current concerns and challenges.
- The need for any changes to take into consideration the rural aspect of the islands communities.
- How to improve relationships with other agencies.
- How to gain the resources needed to develop an analysis and initiate and maintain changes

The meeting recessed at 11:57 a.m. resumed at 12:32 p.m.

Vice Chair O’Sullivan and Trustee Luckham left the meeting at 12:32 p.m.

The discussion continued and focused on applying for government funding to assist in acquiring necessary resources to complete this work.

TPC-2018-001

It was MOVED and SECONDED,

that the Trust Programs Committee requests staff to submit a Business Case to the Minister of Municipal Affairs and Housing for the use of \$125,000 for the improvement of the provision and integration of government services within the Trust Area.

CARRIED

TPC-2018-002

It was MOVED and SECONDED,

that the Trust Programs Committee recommends staff prepare a report that summarizes input submitted by Trust Programs Committee members and other trustees regarding examples of intergovernmental barriers and difficulties.

CARRIED

4.2 Agreements monitoring chart – Briefing

It was agreed that Section 7 be considered ahead of Section 5.

7. NEXT MEETING

7.1 Working Group meetings

There was discussion over the requirement for working group members to participate in full Trust Program Committee meetings. The issue of quorum was raised, and Trustee Brent advised he would be available to attend regular meetings if the issue of quorum came up.

The committee decided against planning any special working group meetings at this time, due to the fact that the report of input by trustees would not be completed by the next regular meeting. Any additional meetings will be discussed again at the February 19, 2018 meeting.

It was requested that the working group items be put at the beginning of the agenda, which was agreed to by general consent.

7.2 Next regularly scheduled TPC meeting: February 19, 2018, 10am, Regional District of Nanaimo Boardroom

5. BUSINESS

5.1. Water Conservation Advocacy and Education - Revised Project Charter – RFD

Members discussed attendance and availability for the public to attend. Staff advised that the information was still being gathered and would be supplied at the next meeting.

TPC-2018-003

It was MOVED and SECONDED,

that the Trust Programs Committee adopt the revised Freshwater Sustainability Forum project charter, V 1.2 that reflects the new freshwater forum date of March 22, 2018.

CARRIED

6. NEW BUSINESS

None

8. ADJOURNMENT

The Trust Programs Committee meeting was adjourned at 1:41 p.m.

Brian Crumblehulme, Chair

CERTIFIED CORRECT:

Emma Restall, Recorder

Follow Up Action Report

Trust Programs Committee

29-Feb-2016

Activity	Responsibility	Target Date	Status
TPC-2016-004 - Implement Crown Land Protocol project charter V2, circulate past RFD to TPC members, keep charter on future agendas until project is complete and consider inventory of current referrals, if it helps demonstrate the need for updating the letter of understanding.	Clare Frater	14-Nov-2016	On Going
TPC-2016-005 - Implement the Water Conservation Advocacy and Education project charter, version 2.	Clare Frater	16-May-2016	On Going
TPC-2016-006 - Implement the State of the Islands Project, and return the project charter to TPC until project is complete.	Clare Frater	31-Aug-2016	On Going

21-Aug-2017

Activity	Responsibility	Target Date	Status
Implement Trust Area Freshwater Sustainability Forum Project Charter dated August 8, 2017 as amended.	Clare Frater William Shulba		On Going

06-Nov-2017

Activity	Responsibility	Target Date	Status
TPC-2017-19 - TPC recommend that the Executive Committee adopt the draft Policy Statement Amendment Engagement Plan, as amended, dated October 30, 2017.	Clare Frater	22-Nov-2017	Done
TPC-2017-021 - TPC request the Executive Committee to request staff to make recommendations to Trust Council regarding how to fund and resource the Policy Statement engagement process.	Clare Frater	22-Nov-2017	Done

**Follow Up Action Report**

TPC-2017-022 - TPC recommends: 1. that a working group be established through the Trust Programs Committee; and 2. that all relevant information on service delivery and governance options throughout the Trust Area, including outcomes of the Salt Spring Island post-incorporation community discussions be forwarded to Trust Programs Committee for their consideration.	Clare Frater Russ Hotsenpiller	22-Nov-2017	Done
TPC-2017-023 - TPC endorse the Baynes Sound/Lambert Channel Forum Project Charter dated October 31, 2017, as amended.	Clare Frater	22-Nov-2017	On Going
TPC-2017-024 - TPC receive the letter regarding industrial logging on Bowen Island dated September 18, 2017 and forward it to the Executive Committee.	Clare Frater	22-Nov-2017	Done
TPC-2017-025 - TPC amend its top priorities list to read: 1. Review the Islands Trust Policy Statement 2. Protect Quality and Quantity of Water Resources 3. Baynes Sound Forum and to move Amend Crown Land Cooperation Agreements into the ongoing projects list.	Clare Frater	22-Nov-2017	Done

24-Jan-2018

Activity	Responsibility	Target Date	Status
TPC-2018-001 - TPC requests staff to submit a Business Case to the Minister of Municipal Affairs and Housing for the use of \$125,000 for the improvement of the provision and integration of government services within the Trust Area. ...timeline of one month was agreed to	Russ Hotsenpiller Clare Frater	19-Feb-2018	On Going
TPC-2018-002 - TPC recommends staff prepare a report that summarizes input submitted by Trust Programs Committee members and other trustees regarding examples of intergovernmental barriers and difficulties. ...Peter and George to gather SSI information and staff to canvass trustees.	Russ Hotsenpiller Clare Frater	19-Feb-2018	On Going

Follow Up Action Report

TPC-2018-003 - TPC adopted the revised Freshwater Sustainability Forum project charter, V 1.2 that reflects the new freshwater forum date of March 22, 2018.

Clare Frater

19-Feb-2018

On Going

To: Trust Programs Committee **For the Meeting of:** February 19, 2018

From: Russ Hotsenpiller **Date Prepared:** February 16, 2018

SUBJECT: List of service integration issues across of the Trust Area

PURPOSE: To receive a list of service integration challenges gathered from Trustees

BACKGROUND:

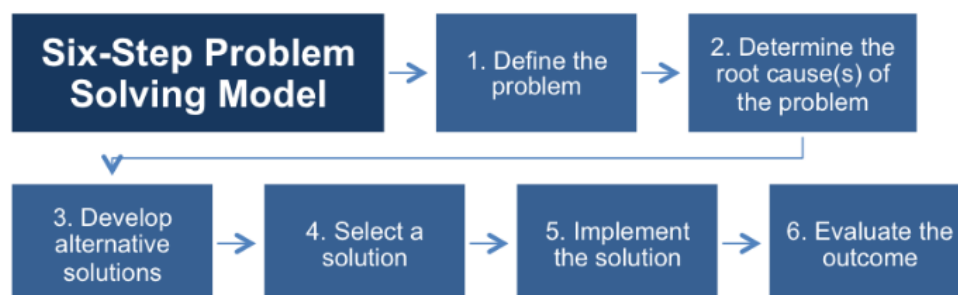
The working group/TPC at their January 24 meeting made the following recommendations.

TPC-2018-002 - TPC recommends staff prepare a report that summarizes input submitted by Trust Programs Committee members and other trustees regarding examples of intergovernmental barriers and difficulties.

TPC-2018-001 - TPC requests staff to submit a Business Case to the Minister of Municipal Affairs and Housing for the use of \$125,000 for the improvement of the provision and integration of government services within the Trust Area.

This report is in support of the first recommendation. Attached is a collation of Trustee input regarding examples of intergovernmental or integrated government services within local trust areas/island municipalities. The intention of gathering this information is to identify key issues or problems associated with the current service integration model and to develop a program of improvement in priority areas.

The attached submissions were provided too close to the agenda deadline to allow staff provide a full analysis of the comments. It is therefore recommended that Trustees review the submissions with the goal of identifying common experiences and challenges. This will aid in greater focus upon problem definition. The following graphic is provided to assist the working group in systematically addressing the problem of service integration. At this point the working group is in the first stage, problem definition.



Analysis: Staff offer the working group the following comments only in support of initiating dialogue on some potential areas of focus. These issues are generally common across the Trust area and speak to strategic priorities of Trust Council. The working group may wish to begin some critical analysis of how services are delivered in these areas with the goal of establishing a plan to improve service levels.

- Affordable housing: this service is delivered on an inconsistent basis across the Trust Area and is a substantial strategic priority and forms part of the package of Islands Trust Act amendments that the Islands Trust is seeking.
- Water service provision and land use regulation: water provision/servicing and land uses are key elements of building sustainable communities and managing development and there is an opportunity to better sequence water and land uses.
- Parks management: Parks (Regional Districts) and land use (IT) are linked via the Local Government Act and the subdivision process and the federal and provincial governments participate in parks planning as well.
- Enforcement: While enforcement services are run by Regional Districts, communities often access the Islands Trust to complain about issues. There are a number of examples where if the Islands Trust and a given Regional District cooperated on enforcement issues and legal remedies we would provide a better, more efficient regulatory regime to the community.
- Communication between Regional Districts and the Islands Trust: an increase in the quality and quantity of communication between the Islands Trust and the Regional Districts could be very effective in improved better service delivery to communities.

A further area of consideration is that this information is contributing towards the fulfillment of the second direction of the Committee, that is, to develop a business case for an application for a grant of \$125,000 to the Ministry to address Trust wide service integration issues. It is therefore important to develop a strong 'case' or problem that leverages these funds.

ATTACHMENT(S):

1. Amended list of service integration challenges provided by Trustees

FOLLOW-UP: As directed by Trust Programs Committee.

Prepared By: Russ Hotsenpiller

Reviewed By/Date:

KATE LOUISE STAMFORD

Sunshine Coast Regional District (SCRD) / Gambier Island LTC (GMLTC) Relationship

STRUCTURAL ISSUES

The GMLTC represents the only island group that does not have a specific Island Regional Director. Our issues and concerns are funnelled through 2 regional directors: West Howe Sound (Keats, Pasley, Anvil, Gambier etc.) and Halfmoon Bay (Thormanby, Trails etc.) with both with many other priorities. There was a referendum to amalgamate area F (West Howe Sound) with the Town of Gibsons and provide an Islands rep about 15 years ago but it was turned down by mainland residents.

With a tiny population of 250 (at last census) and no real representation at the Board level, there is no incentive for SCRD to pay attention to the islands. It is only when it is pointed out that there are over 1000 folios and a tax base to the Regional District of close to \$700,000 (including Area B islands) that there is some recognition of our place in the Region.

85%-90% of the islands population are water access only recreational property owners from outside the SCRD. This makes for a particularly disengaged and uninformed population. They do not read the local paper nor communicate with the SCRD in anyway. If it wasn't for the annual island clean-up day, which the Trustees promote heavily, most islanders would not know they were part of the SCRD.

The Sunshine Coast Regional District provides three community services to the islands ranked in order of importance:

- Manage most of the public docks.
- Provide on-island garbage pick-up service once a year.
- Park and trail development.

DOCKS

The islands are the home of 7 of 9 regional districts (RD) managed docks that were divested from the Federal Gov't in 2002 (ish). With no capital reserve to rebuild these facilities, despite a plan agreed to at time of divestiture, the island docks are becoming a massive financial liability for the RD. The response has been a slow download to Area F/Islands as other Areas and the Town of Gibsons elect to drop out of the function. There is a real danger that one or more of these critical island facilities will be closed especially if a storm was to damage it significantly.

There is a docks representative advisory committee but very little information is disseminated out to the general island public.

TAX INEQUITIES AND UNRELATABLE FUNCTION PERCENTAGES

There are specific areas of extreme service inequity with the SCRD that islanders would like to see addressed and this would realistically be through change to function percentage as opposed to overall tax reduction (although that would be the dream).

The SCRD functions that islanders pay into are going up faster than the functions they don't. RD tax increases are consistently higher than average compared to the mainland.

PARKS AND TRAILS

The Area F islands alone put more than \$118,000 last year into Parks and Trails for the SCRD. There is rarely an annual expenditure of more than \$15,000 across the islands for this function. Generally, parks/trails are not considered a high priority on Gambier as the most popular recreation (Crownland) is outside the jurisdiction of the SCRD.

OTHER AREAS OF EXTREME INEQUITY IN TAX FUNCTION

Gibsons library at \$86,000 for maybe 4 users and Public Transit at \$110,000 last year for literally 5 users. There is a good argument to move at least part of the revenue from these functions into docks then it least it makes sense to islanders.

None of this would be considered worth pursuing if it wasn't for the fact that other Areas and municipalities in the SCRD are pulling out of functions they do not think are worth participating in.

COMMUNICATION

There is a lot of confusion about parks planning and where it fits between Islands Trust (IT) and the SCRD. Staff are often openly dismissive of the role IT plays in parks planning and sometimes make that obvious when speaking to the public. Parks and Trails are very contentious in the SW area of Gambier (full-time population) and communication and engagement has not been very positive.

There does not seem to be recognition at the RD staff level of the unique role that the Trustees can play in supporting the goals of service delivery by the RD. The GMLTC Trustees act as the primary communicators across the 30 odd islands in this group and are committed to getting information out quickly and accurately through well-managed email lists. There is a high degree of trust in this communication network by the island populace but SCRD staff are reluctant to take advantage of it.

In July 2017 the SCRD hosted community dialogues on both Keats and Gambier. The sessions were well attended by islanders and several follow up actions were identified. I took detailed notes (with the CAO's blessing) and sent them to staff at the SCRD with several action items including the much-touted Island page on the SCRD's website which was supposed to go up in the fall. To date, my notes were never vetted by staff; there was no follow up on these action items, and no information about the SCRD Island info page that was supposed to resolve the communication issues.

CAVEAT

I act as Alternate for Area F Director Ian Winn. I do not actively push the SCRD agenda on the islands unless specifically requested by the Director. Director Winn does try to advocate for the Howe Sound Islands and has been successful in securing new internet infrastructure for us. His biggest concern is the dock maintenance/capital costs which he recently characterized at a Board meeting as the "worst deal ever for the SCRD". Director Winn has tried to invoke a function review to address some of the more egregious tax inequities that have developed for islanders, but as a lone voice at the Board level this has not moved forward to date. He acknowledges the challenges with effective island communication at the SCRD staff level.

DAN ROGERS

The vast majority of our contact is with the SCRD. Two of our islands are in Metro Vancouver but frankly we rarely hear from those islands.

The major concern would be a familiar one – value for tax dollars. For the most part islands get services in the form of once a year garbage bins and docks. There are other peripheral services but we often pay for those separately. The issue has been that the mainland "Area's" have wanted to pull out of the "dock" function but we continue to pay for functions we rarely use. I don't like the balkanization of services but we get outvoted a lot on these issues.

Another issue would be the complete lack of enforcement on the islands of issues related to issues like parking on the SCRD docks.

On Keats, we are very happy with the SCRD run water system in Eastbourne.

The other major concern is one of communication. There is very little effort to communicate with islanders and because the main forms of communication to islanders is through elected Trustees, there is some resistance within the SCRD to utilize that system.

TONY LAW

The general picture on Hornby is good; no major challenges to report. With respect to the particular issues you mention:

WATER PROVISION

Cowichan Valley Regional District (CVRD) has no water services on Hornby. In response to advocacy from the LTC around Official Community Plans (OCP) policies with respect to establishing a community water source a few years ago, CVRD conducted a study, but this did not look feasible. There is a water project group on Hornby looking at this issue again and if they come up with recommendations we may renew advocacy with CVRD.

BYLAW ENFORCEMENT

My understanding is that there has been good collaboration on cross-jurisdictional enforcement situations that included problems with noise and unsightly premises.

Building services CVRD does not provide building inspection/permitting to Hornby.

AFFORDABLE HOUSING

Last term CVRD appointed me to its Select Committee on Housing and Homelessness so I was able to provide an islands perspective. However, CVRD has not established a housing service. But they have provided support for an affordable housing project's development phase through allowing funding from the economic developments service to be used for this purpose on Hornby.

Here are some thoughts about why things are working reasonably well on Hornby - positive, polite respectful relationships. Some years ago a Denman Islander asked me: how come Hornby has a dock, and roadside trails and economic development funding? My reply was; cookies!

We have a long-standing practice of building good relationships with representatives of other agencies and giving them a positive experience when they come here so they go away with good memories of Hornby. We also try to approach issues by saying "how can we work with you to deal with this" rather than just dropping the problem in their lap.

ORGANIZATIONAL CAPACITY

Hornby has a number of long-standing well-functioning organizations that have managed to take on service delivery in conjunction with the responsible external agencies.

At the forefront is the Hornby Island Residents' and Ratepayers' Association (HIRRA) that now manages a number of services for the CVRD. Each service has a management committee which reports to HIRRA which has an elected executive and a paid administrator. There are over 50 elected positions on all these committees.

Others include the Hornby Island (HI) Community Economic Enhancement Corporation (which delivers CVRD's economic development services), the Hornby Denman Community Health Care Society (which manages a range of Health Services) and the HI Education Society (which delivers a range of educational and social services).

COMMUNITY CONSENSUS

I have found that doing the work of establishing community consensus on a service issue really improves what and how an external agency delivers with respect to that service. If an agency is faced with strong divisions in a community, they tend to back off. If they are given a clear message in a positive way, services can flow more freely.

There are some standing advisory committees (such as with respect to parks and ferries) that do community consultation and make recommendations. Otherwise, HIRRA or the LTC may take this on.

COMMUNITY COLLABORATION

Good relationships with clear messages to external agencies need to be backed up by good communication and collaboration between community organizations. Some years ago, my then co-trustee and I set up a process of having all communications get together every six months to share successes and challenges, identify the current priority issues for the community and to seek opportunities for collaboration between organizations.

COLLECTIVE APPROACH

There is an informal collective of community leadership - the local trustees, the HIRRA Exec and the Area Director (with others drawn in as required) that works closely together.

All the above means that local trustees, as the only elected officials residing on our island, can get drawn into collective governance that goes beyond the particular responsibility of LTCs.

I am not sure if this relates to what you were looking for, but I hope it is helpful.

Not sure if this approach to service provision - which evolved over a long period out of the particular culture and dynamics of this particular island - has any applicability to other islands.

HEATHER O'SULLIVAN

So a particular concern that I hear as a Trustee is that someone will phone me for information on navigating some area of bureaucracy or wanting to complain about something that I know is a Regional District responsibility, and when I direct them to contact the Regional District of Nanaimo (RDN) they say that they have done that and been shunted to the Trust, and then the Trust has directed them (correctly in my view) back to the Regional District, and eventually they call on their local representative out of pure frustration. One particular example of this is noise complaints (although I have heard similar concerns related to parks, building issues, etc.). The areas where the Trust can enforce on noise are very limited (i.e. home occupations creating noise). Most objectionable noise is covered under the RDN's quite comprehensive Noise Bylaw: <http://www.rdn.bc.ca/cms/wpattachments/wpID1630atID2134.pdf>, but almost no one is ever successful in getting the RDN to enforce said bylaw, despite the clarity of the regulation. I have received calls from people who are practically in tears because they are unable to get anyone to pay attention to their noise complaints due to what they perceive as bureaucratic run-around, despite very prolonged attempts on their part.

Another example is our attempts on Gabriola to get a Village Trail. This effort is clearly supported by our OCP. The RDN also supports this initiative (and it is more their jurisdiction). The Ministry of Transportation and Infrastructure (MOTI) supported in principle, but then suddenly imposed conditions that are impossible to meet in the context of our existing Village layout, and the project has become completely bogged down in red tape to the disappointment of many and the detriment of pedestrian safety and a walkable core.

BRIAN CRUMBLEHUME

Two weeks after my first election as Mayne Island (MI) Local Trustee in 2011, I received a phone call from newly elected Capital Regional District (CRD) Director Howe requesting we meet for lunch. During that lunch, Director Howe outlined his hopes for the term and asked for my support and engagement. I was asked to become CRD Commissioner for MI. I declined, citing concerns about potential conflict between the two agencies. I did accept the role as advisory chair, a position I retained for 4 years. I have

been a commissioner for the past 2 years. During this 6 year period I have worked closely with Director Howe and chaired many meetings on MI and attended many CRD related business meetings.

CONCLUSIONS AND SUMMARY OBSERVATIONS

I suggest the quality and efficiency of service delivery is directly proportional to the magnitude and capacity of an agency in relation to the perceived need of the small rural islands they serve. This may be systemic or may vary with personalities. Consequently, there may be very good service in some regions and less so in others. There is a huge imbalance in capacity between regions such as the CRD and Metro at one spectrum and Powell River and the Cowichan Valley at another. Mayne Island represents 0.27% of the CRD. The CRD is very good at providing services to large numbers of people and sometimes to smaller groups that require the same service. They cannot provide a customized service. Individual directors can facilitate small grants, such as federal gas tax funds, moneys not collected by the CRD.

In four decades of island life, I have designed and built 6 houses. All with CRD permits. I have a good relationship with building inspectors and they respect me, so I have never had a problem getting approval. Building inspectors, like other hired professionals, can only apply the rules they know, they cannot negotiate. In community meetings where agencies are represented by professionals, they can explain the facts as they know them, but they have no authority to change or adapt. A huge amount of time has been wasted in meetings where change or adaptation was an expectation.

In the case of the CRD rules, procedures and regulations apply equally across a substantially urban region, separate rules for rural areas do not exist even if the straw-bale house is located on a farm, the park is designated a quiet community area, or that less than a hundred people will use the facility on a busy day.

I am of the opinion that systemic problems are best dealt with diplomatically at a high decision making level with annual meetings to discuss protocols and letters of agreement. It may also be useful to review projects and service delivery on an annual basis.

Type of service	Nature of dysfunction	Agencies affected	Principal issue
Potable water supply	The OCP calls for densification of Ganges and for more affordable housing. One agency, NSSWD, is responsible for water distribution to most of the North end of the island including all properties in Ganges. Their duty is to their existing subscribers. They have no mandate to undertake infrastructure planning for the community as a whole. In terms of water supply, it seems no one has. Other agencies are responsible for housing provision but need to connect to the community water system to be viable. In 2013 NSSWD commissioned a QP to assess sufficiency of resources from existing fresh water sources, St Mary Lake and Maxwell Lake, to meet demand. The QP's report revealed that an immediate moratorium had to be put in place as demand was on the point of exceeding available supply. Hence some of the major the aspirations in the OCP are unachievable. There are around 180 affordable housing units ready to go. Most of those have been stalled because of the water moratorium. There are potential solutions. Storage capacity in St Mary Lake could be increased by raising the level of the weir to the level that existed when the beavers were resident. Cost to the community would be around \$5 million. North Salt Spring Waterworks district could undertake the work but would not be eligible for any grant support. There is reputedly a massive aquifer under Maxwell Lake. No sole agency has the funds or the mandate to investigate the extent of the aquifer and to test its	NSSWD, CRD	Gaps in responsibility for service provision. Lack of coordinated planning. Lack of proactive planning. No access to grants for infrastructure funding.

	feasibility to sustainably increase supply.		
Fire fighting	Within the NSSWD there are fire mains with hydrants distributed around the water main. The hydrants are not serviced nor maintained. The water improvement district claims that this is the responsibility of the fire improvement district and vice versa. The impasse has been incapable of resolution for some years.	Fire improvement district, NSSWD	Lack of clarity re jurisdictional responsibility.
	The fire main that serves the community is old and problematic. The pipes of the fire main that serves the north end of the island are asbestos and incapable of withstanding the pressure that would arise if the pumper trucks connect to them and pump at normal firefighting volume. The mains would collapse. In addition, the mains are pressurized by the water improvement district using potable water whereas with some infrastructure planning and foresight this could have been storm water.		
Sewage	The island at one time had a sewage treatment plant in the south end of the island where all our septic sewage sludge was sent for treatment. That plant became obsolete some eight years ago necessitating that all sewage sludge be shipped off island at considerable cost. CRD established a commission to replace the sewage plant. The CRD commission asked for a biologically focused solution using constructed wetlands and reed beds to remediate the waste. They saw this as promoting biodiversity by increasing wetland habitats by relying more on natural systems and less on mechanical solutions. CRD engineers refused to comply with this brief. They insisted the plant had to be of the conventional mechanical type and	CRD	Refusal by an agency to comply with the client's brief. Lack of accountability. Incompetence.

	they appointed an engineer in Alberta with little experience in sewage systems but broad experience in the oil and gas industry to design the system. At that point the entire CRD commission resigned in protest. A partial solution is going to be made available to the community by repairing the existing plant but it won't be ready for another five years or so. Thirteen years to solve a simple problem and hundreds of thousands of dollars in design fees, much of it seen as abortive, to end up with a patch repair the community doesn't want instead of the ecologically focused system desired.		
Budgeting and prioritization	Eight agencies are the major deliverers of services on the island. To fund these agencies and the services they provide costs island taxpayers around \$15 million. Each agency establishes priorities and sets taxes without consideration of the needs of the other agencies or of the ability of the island to afford to pay for the services. In short, there is no integrated or coordinated budgeting or financial control so the island is unable to set infrastructure spending priorities between agencies. In addition, these agencies do not meet with each other so there is no coordinated or integrated approach to service provision or the capacity of the island to meet tax increases.	IT CRD NSSWD MOTI Three other water providers	Silo governance structure.
Bylaw enforcement	Sometimes bylaw enforcement agencies need to work together. There is a lack of cooperation from CRD Building Inspection that is hampering IT's bylaw enforcement from doing its work. In this case the issues are unlawful vessel use in Ganges harbour for a dwelling and unwillingness of CRD bylaw enforcement to assist Miles Drew in enforcing on unlawful multiple dwellings in Lee Road.	IT CRD	Lack of cooperation between agencies

Roads	This isn't a purely SSI issue. We know roads throughout the Trust Area are poorly maintained and we cannot readily access funding for sidewalks and cycleways. The fact that the province recognized there were around \$16 million needed improvements in roads on Salt Spring and these formed part of the restructure offer is evidence enough that we are very poorly served by MOTI.	MOTI	We're at the bottom of the queue when it comes to roads, pavements and cycleways.
Harbour boardwalk	A vision conceived but never realized, the harbour boardwalk was conceived decades ago but somehow the agencies that were behind it lacked either the powers or the motivation to drive it to completion.	IT CRD HASSI	Why is it so hard to mobilize even popular initiatives in the Trust area?
Providing a ball park for our youth	The community recognizes the need to provide a ballpark for our youth. Currently many of them have to go off island to access proper facilities in Ganges. There has been decades of failed attempts and multiple attempted rezonings to try to make this work. Every one of them has failed although the community has incurred hundreds of thousands of dollars in abortive design and feasibility costs.	IT CRD ALC	No integrated planning. No proactive planning. Not sufficient interagency cooperation and discussion prior to incurring costs.
Planning	Time and again the ALC has indicated to the IT that their wish is to receive an overall plan from the Salt Spring community that indicates desired alterations to the ALR, either through removal from the ALR, additions to it, or for non-farm use. There is no prospect of this community ever being able to provide the ALC with that information as the local planning office is currently configured and operating.	IT ALC	Difficult to know what the principle issue is.

Planning	The obstacles in the way of initiating an integrated community sustainability plan	IT	. Preparing an application for grant funding to undertake a ICS Plan is the first step as such a plan is going to be very costly. Such an application needs to be shelf ready so that when a grant opportunity arises we are ready to submit it. As it is, we get scant warning of grants and we always seem to be bumping up against imminent submission deadlines.
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BRIEFING

To: Trust Programs Committee **For the Meeting of:** February 19, 2018
From: William Shulba **Date Prepared:** February 16, 2018
SUBJECT: Islands Freshwater Forum Update

PURPOSE: To provide an update to the Trust Programs Committee on planning for the March 22 Islands Freshwater Forum.

BACKGROUND:

The Islands Trust Area Freshwater Sustainability Forum Project, is to pursue education, connection, and collaboration between Islands Trust, government ministries, First Nations, and community organizations that have a vested interest in freshwater sustainability in the Islands Trust Area.

The keystone deliverable from this project is a one-day Islands Freshwater Sustainability Forum on March 22, 2018 which corresponds to World Water Day. This event will facilitate a deeper connection to freshwater on the islands by the attendees and to develop tools for achieving collaborative approaches to freshwater sustainability objectives across the Islands Trust Area.

To date the deliverables and milestones outlined in the updated Project Charter are underway or completed. A contractor has been retained to handle event logistics including RSVPs, manage menu, venue logistics, and overall event coordination. This location in Cowichan Bay has been chosen as the venue.

The draft agenda is structured to offer an introspective into the *"Spirit of Freshwater"* in the morning with speaker from nearby First Nations communities. The second half of the morning will feature a presentation by provincial ministry staff who are instrumental in the design and implementation of the *BC Water Sustainability Act*.

The afternoon session will begin with a presentation by the Freshwater Specialist on freshwater initiatives in the Islands Trust Area and comments on the Trust Council freshwater top priorities. The later part of the afternoon will feature a collaborative approach of mini presentations with breakout sessions. Several water experts in the Islands Trust Area have expressed interest in presenting at breakout sessions, including islander-owned small water utilities, water stewardship groups, and freshwater researchers. Formal invitations to present will roll out before the end of February.

Invitations to attend have been sent out to Islands Trust staff who may attend with permission of their manager.). Invitations have been sent out to Trustees with request for information for input into the overall outcomes of the forum including questions to ask the professionals and staff.

Trustees are requested to provide a list of potential candidates to attend the forum who are involved in water related initiatives on their islands.

ATTACHMENT(S):

1. Islands Freshwater Forum Project Charter, Feb, 7, 2018

FOLLOW-UP: Staff will continue to implement the project charter.

Prepared By: William Shulba, Senior Freshwater Specialist

Reviewed By/Date: Clare Frater, Director, Trust Area Services, February 16, 2018

Purpose: To pursue education, connection, and collaboration between Islands Trust and community organizations who have a vested interest in Freshwater Sustainability in the Islands Trust Area. Development of information and tools for achieving collaborative approaches to freshwater sustainability objectives and a conference to convene community groups and agencies to share information on freshwater sustainability challenges and solutions in the Trust Area.

Background: The Islands Trust Strategic Plan 2014-2018 Policy Statement B states *"To ensure that human activity and the scale, rate and type of development in the Trust Area are compatible with maintenance of the integrity of trust area ecosystems"* with the related goal of *"Protect water quality and quantity"*. Until March 31, 2018, the Islands Trust has a Senior Freshwater Specialist on temporary assignment to support research into common freshwater sustainability obstacles faced in the Islands Trust Area. This forum will highlight and strengthen research, outreach, and education of the local trust committees, regulators, and community groups in the Trust Area.

Objectives

- Chronicle freshwater sustainability approaches throughout the Trust Area.
- Create linkages between agencies, First Nations, individuals, and community groups working on freshwater management solutions.
- Share information, tools, research, data, mapping, and regulations.
- Identify strengths, weaknesses, opportunities, and challenges to meeting Trust Area Community Freshwater needs.
- Make recommendations for improving Islands Trust's ability to meet community freshwater needs in the Trust Area.

In Scope

- Baseline analysis of freshwater projects in Trust Area.
- One day forum on freshwater sustainability with community groups, government bodies, professionals, islanders, and San Juan agencies.
- Presentations by community organizations and government.
- Venue costs and food provided.
- Follow up report gap analysis and recommendations to Trust Council.
- Include Indigenous elders and water keepers from the Trust Area.

Out of Scope

- Multi day forum.
- Forum that is open to general public.
- Honorariums for participants.
- Immediate Data deliverables and interpretations.
- Travel costs for participants.

Work Plan Overview

Deliverable/Milestone	Date
• Outline of Trust Area freshwater projects: Baseline analysis and forum agenda.	Dec-Jan 2017
• Service Contract for logistics • Schedule event, invite participants, organize logistics.	Dec-Jan 2017
• Plan event's content (e.g.: presentations, round tables, group discussion). Includes arranging speakers and coordination of presentations. • Interim report to Trust Programs Committee in November, 2017.	February 2017 February 2017
• Host event: Facilitation and coordination	Late March 2018
• Final Report to Trust Programs Committee and Trust Council	April 15, 2018

Project Team

David Marlor and Clare Frater	Project Sponsors
William Shulba	Project Manager
Andrew Templeton	Communications
Contractor	Logistics coordinator
Contractor	Graphic Designer

Budget

Item	Cost
Venue (estimate)	\$500
Food	\$3,500
Staff Travel	\$1,000
Administration/Logistics	\$2,000
Graphic Design	\$1,000
First Nation Gifts and Contingency	\$2,000
Total (out of pocket):	\$10,000.00

Approval:
Clare Frater
Date: January 18, 2018 (CF)

TPC Endorsement:
Charter v. 1.0
Date: Jan. 24, 2018

BRIEFING

To:	Trust Programs Committee	For the Meeting of:	February 19, 2018
From:	Trust Area Services	Date Prepared:	February 9, 2018
SUBJECT:	Baynes Sound Lambert Channel Ecosystem Forum Update		

PURPOSE: To update Trust Programs Committee on the planning process and Advisory Committee for the Baynes Sound Lambert Channel Ecosystem Forum.

BACKGROUND:

At the November 6, 2017 meeting Trust Programs Committee endorsed an amended Baynes Sound/Lambert Channel Forum Project Charter dated October 31, 2017.

The Project Charter included the establishment of an Advisory Committee to assist the co-leads, Senior Policy Advisor, Islands Trust and Manager, National Oceans Governance, WWF Canada, with designing the Forum and creating the participant list. The advisory committee has been established and the first meeting was held January 23, 2018.

The Advisory Committee includes two Trustees (Trustee Law and Trustee Critchley) as well as representatives from First Nations governments (K'omoks and Qualicum), Comox Valley Regional District, aquaculture industry (operator and BC Shellfish Growers Association), Association of Denman Island Marine Stewards and Conservancy Hornby Island.

The first meeting of the Advisory Committee went well with agreement reached on committee process and meeting dates. The next two meetings will be three hours long and will focus on forum design details and issue identification. Next meeting is February 21, 2018.

The makeup of the committee was purposefully designed by the co-leads to be focused on local governments and organisations to ensure that local perspectives are addressed at the forum. The federal and provincial governments will be invited to the forum and the co-leads have committed to regular contact with staff at the province and DFO Pacific Region (Oceans and Aquaculture groups, also looking for outreach to Fisheries managers). The co-leads are hearing that interest amongst DFO staff in the Forum is high.

At the first meeting, the Advisory Committee agreed that engagement with senior government officials in regulatory roles is critical – many/most management tools are in federal/provincial jurisdiction. The committee gave direction to the co-leads was given that stronger connections with senior governments, especially DFO, are required in the lead up to the Forum, e.g. through face-to-face meetings by the co-leads. In response, the co-leads will be meeting with DFO staff prior to the February 21 meeting.

In addition, the WWF-Canada co-leads maintain an “FYI list” that includes: Ministry of Forests, Lands And Natural Resource Operations and Rural Development staff, Fisheries and Oceans Canada staff (multiple), elected officials (Ministers, local MP, MLAs) and the Aboriginal Fisheries Association. The Advisory Committee members are free to share information about the Forum as desired.

Forum planning has begun with the co-leads touring two venues and receiving bids from both. The decision has been made to hold the Forum at the Kingfisher Oceanside Resort May 22/23, 2018. The hope is that the number of participants is 30-40, with the budget permitting a one night overnight stay for 30.

The Project Charter, and associated October 31, RFD, included Islands Trust financial contribution towards the Forum Advisory Committee room rental and hospitality as well as \$3500 towards the facilitator service contract. One Advisory Committee has been paid for by Islands Trust, with two more within the present fiscal year. Facilitator costs were underestimated in the previous Project Charter and RFD because of higher than anticipated facilitator fees as well as the unexpected request to be involved in the Advisory Committee meeting(s). We expect the facilitator cost to be \$6000.00. (partially paid in present fiscal year and partially in 2018/19).

The co-leads have also explored Forum facilitator possibilities. One facilitator is looking favourable and has reasonable fees.

WWF-Canada portion of the costs has also increased because hotel costs to hold the two-day forum were \$5000.00 higher than anticipated.

ATTACHMENT(S):

1. Project Charter Baynes Sound / Lambert Channel Ecosystem Forum (Nov 7, 2017)

FOLLOW-UP: Staff will continue to implement the project as outlined in the project charter.

Prepared By: Karen Hurley, Trust Area Services

Reviewed By/Date: Clare Frater, Director, Trust Area Services, February 15, 2018



REQUEST FOR DECISION

To: Trust Program Committee **For the Meeting of:** February 19, 2018
From: Trust Area Services **Date Prepared:** February 16, 2018
SUBJECT: Baynes Sound / Lambert Channel Ecosystem Forum Project Charter Amendment

RECOMMENDATION: That the Trust Programs Committee adopt the revised Baynes Sound / Lambert Channel Ecosystem Forum project charter, V 1.2 that reflects a project budget increase of \$3,000.

DIRECTOR COMMENTS: There are sufficient funds available in the TPC project funds requested for 2018/19 to support this request. Should Trust Council not approve the request funds regular TAS budgets could support the project.

1 PURPOSE: To request approval of a revised Baynes Sound / Lambert Channel Ecosystem Forum project charter that reflects a project budget increase of \$3,000

2 BACKGROUND:

At the November 6, 2017 meeting Trust Programs Committee:

Endorsed the Baynes Sound/Lambert Channel Forum Project Charter dated October 31, 2017, as amended.

The original Project Charter included a budget with funds for facilitation: \$3000.00. However, the Islands Trust and WWF-Canada co-leads are learning that this budget amount is inadequate. In preliminary meetings with the co-leads, potential facilitators are consistently voicing expectations to be involved in the Forum design and at least one Advisory Committee meeting. This was not anticipated in the initial budget.

The attached revised Project Charter reflects an increase in facilitation costs.

3 IMPLICATIONS OF RECOMMENDATION

ORGANIZATIONAL: None.

FINANCIAL: \$3000.00 increase to the original \$5,500 Islands Trust portion of the budget to be taken from 2017/218 or 2018/19 TPC program funds, or, as needed, TAS regular budgets.

The WWF-Canada contribution to the project has increased by \$4,000 because hotel costs to hold the two-day forum were higher than anticipated.

POLICY: None

IMPLEMENTATION/COMMUNICATIONS: Facilitator service contract to be developed and managed by Islands Trust staff. Staff will advise WWF Canada of TPC's decision.

FIRST NATIONS: None

OTHER:

4 RELEVANT POLICY(S): None.

5 ATTACHMENT(S):

1. Amended Baynes Sound/Lambert Channel Ecosystem Forum v.1. 2 (dated February 16, 2018)

RESPONSE OPTIONS

Recommendation: That the Trust Programs Committee adopt the revised Baynes Sound / Lambert Channel Ecosystem Forum project charter, V 1.2 that reflects a project budget increase of \$3,000.

Alternative: That Trust Program Committee not increase the project budget

Prepared By: Karen Hurley, Senior Policy Advisor, Trust Area Services

Reviewed By/Date: Clare Frater, Director, Trust Area Services

Baynes Sound/Lambert Channel Ecosystem Forum

Purpose: The purpose of the forum is to improve the health of the local marine ecosystem and establish lasting working relationships dedicated to creating ecosystem based solutions. Islands Trust will co-host with the World Wildlife Fund a series of preparatory meetings of a ten-member advisory group to organize a two-day forum with representatives from First Nations, shellfish and fishing industries, ecotourism industry, environmental groups and others concerned about Baynes Sound/Lambert Channel.

Background: The TPC work program includes the activity: Undertake a project using funds from the \$25,000 Water/Marine project budget for 2017/18. Hornby and Denman Island OCPs have many policies related to ecological care. This initiative builds on past events dedicated to Baynes Sound/ Lambert Channel ecosystem, including Simon Fraser University April 2014 3-day event and ADIMS March 2017 event.

Objectives

- Establish an opportunity for up to 30 participants to have a collaborative dialogue on their concerns and ideas for change
- Foster a spirit of cooperation and collaboration amongst the First Nations, governmental, industry and community groups based on shared values and concerns
- Creating a space for participants to share information, research, data, mapping, and solutions that will continue past the forum.
- Establish agreed upon next steps for long-term action.

In Scope

- Establish an Advisory Group to guide the Forum structure/content
- Three pre-Forum meetings of Advisory Group
- 1.5 day Forum (including participant accommodation and meals)
- Facilitator for Forum
- Involvement of First Nations in meetings and Forum
- Consideration to stakeholder travel assistance
- Summary report with highlights and recommendations for next steps

Out of Scope

- Forum that is open to the general public
- Public education or outreach
- Honourariums for participants
- Primary research or data collection

Work Plan Overview

Deliverable/Milestone	Date
• Establish Advisory Group and Communication Plan	December 2017
• Pre-Forum meetings	January, February, March 2018
• Schedule Forum and plan event; hire Facilitator; develop program with Advisory Group; arrange any needed materials and mapping	January—April 2018
• Host event	May 22-23 2018
• Summary report to Trust Programs Committee	August, 2018

Project Team

Clare Frater and Kim Dunn, WWF	Project Sponsors
Kim Dunn and Karen Hurley	Project Managers
Kim Dunn	Logistics coordinator
WWF in-house staff	Graphic Designer

Budget

Item	Cost
Pre-Forum meetings hospitality/day	\$1,500
Islands Trust Staff travel /accomm	\$1,000
Forum Participant accomm/meals	\$14,500
Facilitator	\$6,000
Materials, mapping and report	\$1,000
Travel cost for experts (if needed)	\$2,000
Total (WWF \$17,500 and TAS 8,500)	\$26,000. (\$8,500 TAS)

TAS Approval:
Clare Frater

Date: February 16, 2018

TPC Endorsement:
Charter 2.0

Date:

To: Trust Programs Committee **For the Meeting of:** February 19, 2018
From: Karen Hurley, Senior Policy Advisor **Date prepared:** February 16, 2018

SUBJECT: STATE OF THE ISLANDS PROJECT UPDATE – CENSUS DATA

DESCRIPTION OF ISSUE: This briefing provides an update of the State of the Islands project and highlights further planned work.

BACKGROUND:

In February 2016, the Trust Programs Committee approved a project charter for the State of the Islands project (attached) with the following purpose: *to provide a snapshot of Islands Trust Area indicators (ecological and socio-economic) to assist Trust Council to clarify its vision for sustainability in the Islands Trust Area and measure its progress in achieving that vision.*

At the May 16, 2016 Trust Programs Committee meeting, Committee members stated their preferences for certain indicators to be included in the State of the Islands project and provided feedback to staff on the methods, audience and format of the project reporting. After the May meeting, staff reviewed available data for the preferred indicators and developed charts and narratives for the most achievable indicators. Staff stopped developing some indicators if data was unavailable, too expensive or required more staff time than was available. For indicators that did not have available data, staff contracted a statistically valid public opinion poll in August.

In August 2016, Trust Programs Committee reviewed the poll results and the draft interim State of the Islands indicator report for Trust Council. In September 2016, in support of its visioning session, Council received an interim State of the Islands project report, including the results of the “Life on the Islands” poll. The poll and the vision workshop revealed that preserving and protecting the natural environment remains a top priority and that there is an increasing need for attention to water, housing and First Nations.

A contractor was hired in March 2017 to produce trend charts on the following topics, using recently released provincial data emissions by source and Statistics Canada data on population growth and number of dwellings.

The charts from the contractor revealed issues with scale and raised questions about the methodology behind the CO₂ emissions data as well as vehicle data only provided for Bowen Island. Therefore, CO₂ emissions data will not be available to include in an Indicator report update.

As a result of Islands Trust staff advocacy in 2014, the 2016 Census results are now available by Local Trust Area. This change means that the Islands Trust no longer needs to purchase custom Census data and that island information is made available at the same time as other communities.

However, it is emerging that Census data that has been made available at no cost to Islands Trust is not as complete as previous years when data was purchased from Statistics Canada. For example, age groups are clumped together more, which makes comparisons to previous years less useful. Consideration is required on whether or not to purchase the more detailed census data. Staff, perhaps assisted by a contractor, will continue to review the census data, and to produce indicator information and charts that planning staff can include in reports and that TAS staff can post to the Islands Trust website and use to support the Policy Statement Amendment Project.

As time and resources permit, staff will proceed with development public education materials (graphics, displays, webpages) about trends in the Islands. As the new census data is released staff will analyze it and prepare reports based on TPC preferred indicators.

Note: Preliminary DRAFT summaries of census data, by island, are attached for review, and summarized in the chart below.

Island	Total Population (2016)	Median age (2016)	Median age (1991)
Denman	1,160	61.3	41.6
Gabriola	4,035	61.3	43.2
Galiano	1,045	61.0	46.4
Gambier	250	61.4	44.1
Hornby	1,015	61.4	38.8
Lasqueti	400	52.5 (2011)	38.7
Mayne	950	64.9	58.3
North Pender	2,065	61.5	53.6
Salt Spring	10,640	55.5	42.6
Saturna	350	65.6	47.1
South Pender	240	63.2	59.1
Thetis	390	62.9	46.9

ATTACHMENT(S):

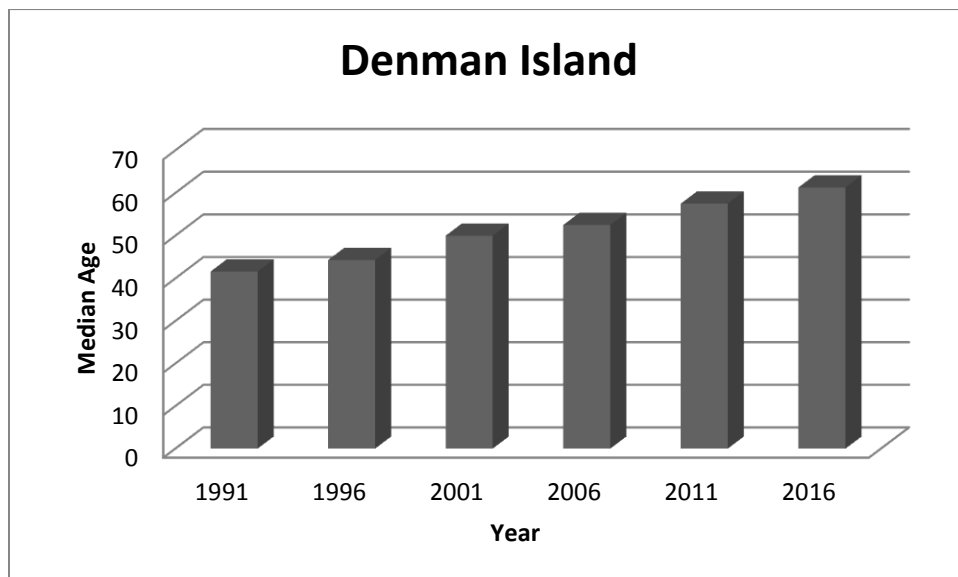
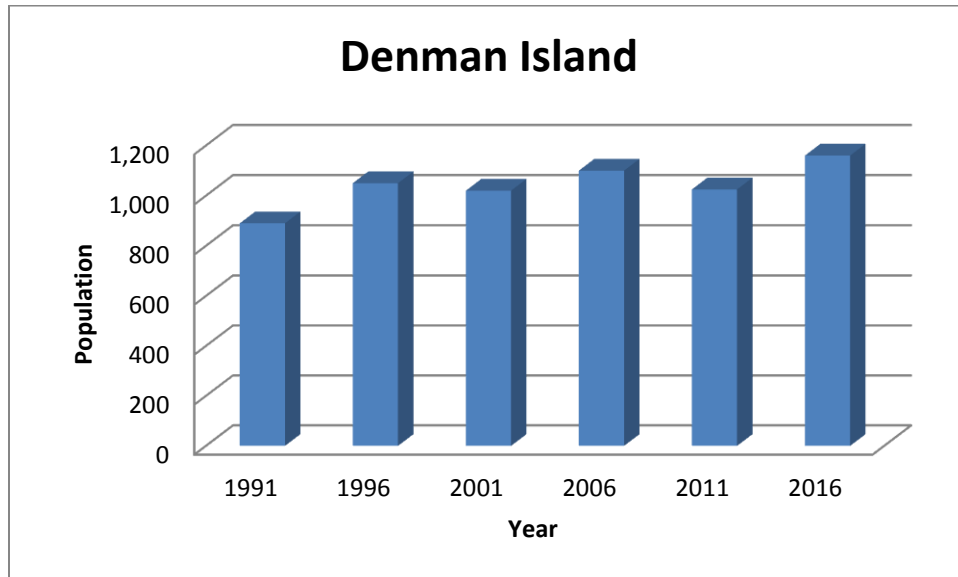
1. Draft population and median age charts based on 2016 Islands Trust Area Census profiles (requiring further work before public distribution)
2. State of the Islands Project Charter, V2

FOLLOW-UP: Staff will continue to implement the project, incorporating advice from TPC members.

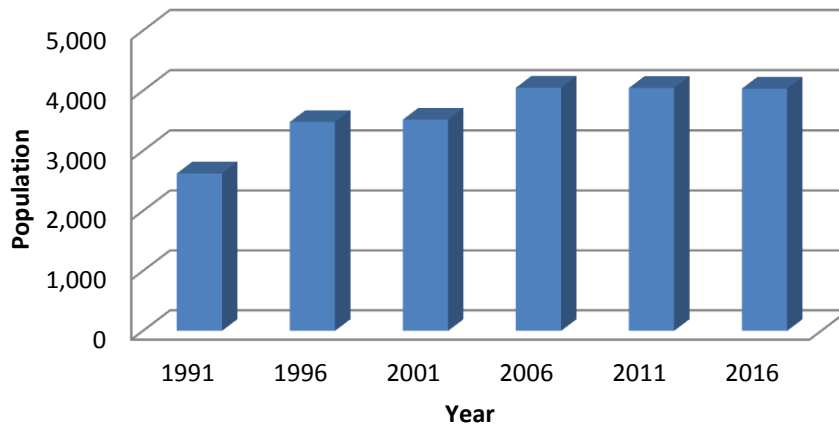
Prepared By: Karen Hurley, Senior Policy Advisor

Reviewed By/Date: Clare Frater, Director, Trust Area Services, February 16, 2018

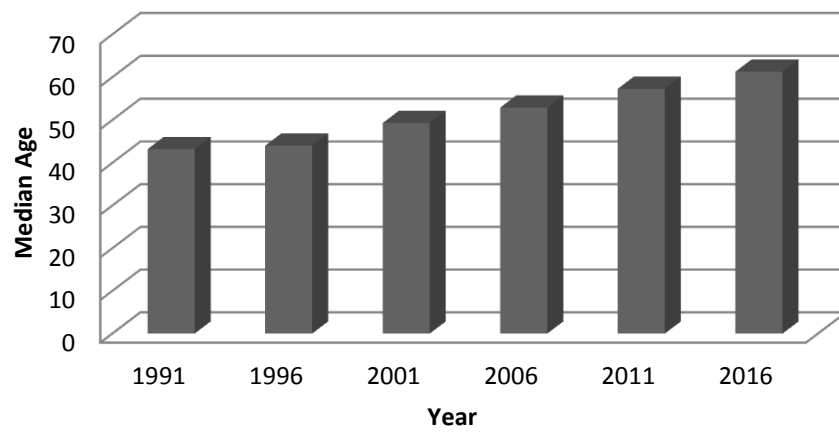
Draft Population and Median Age charts
Based on 2016 Islands Trust Area Census Profiles



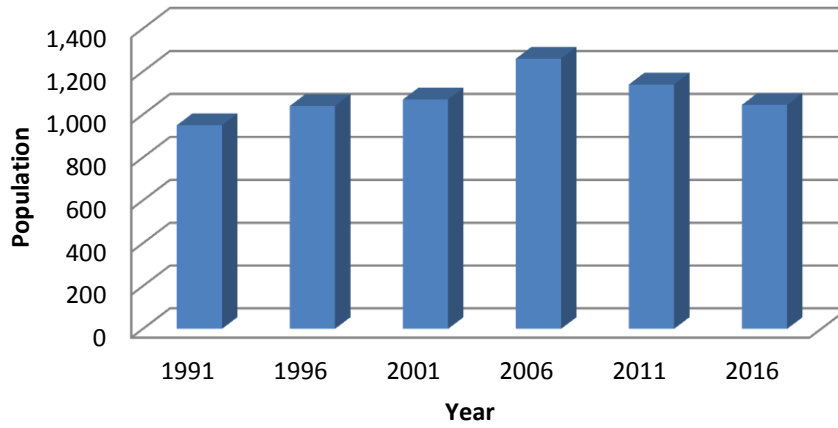
Gabriola Island



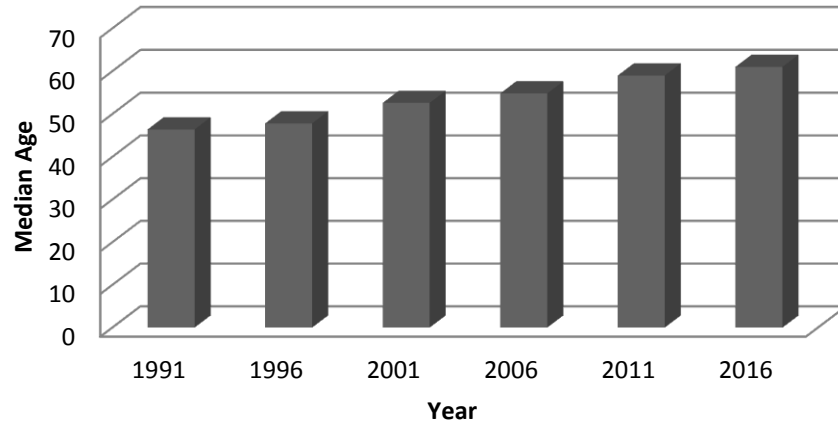
Gabriola Island



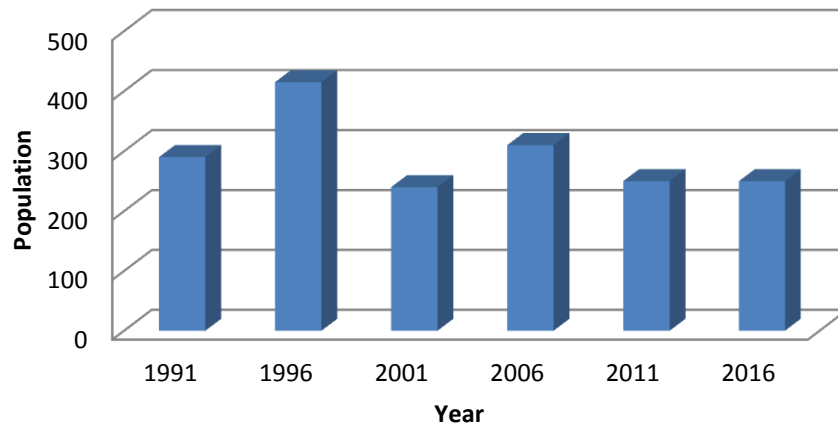
Galiano Island



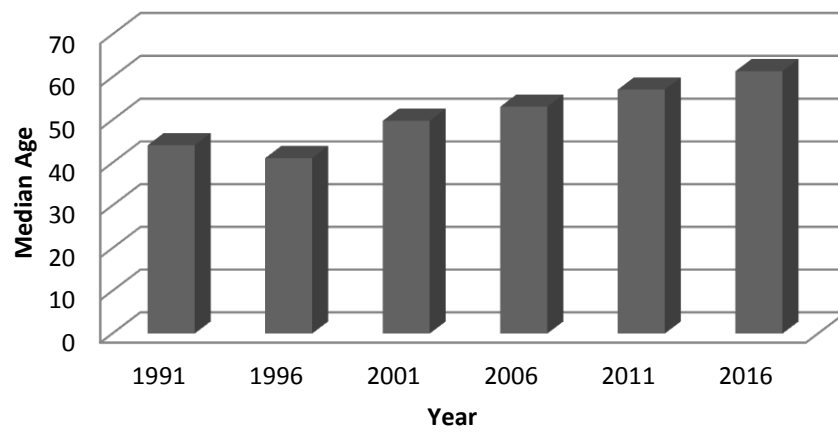
Galiano Island

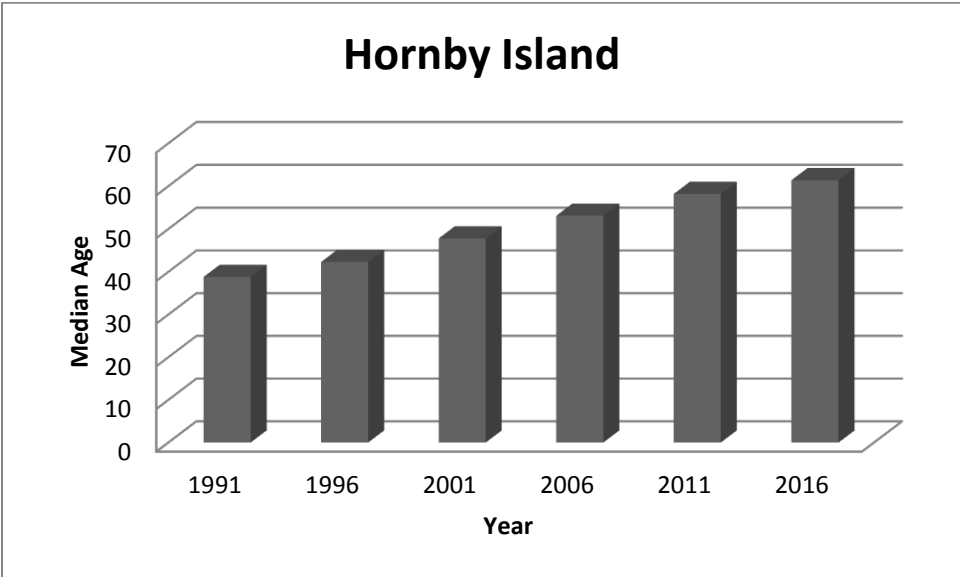
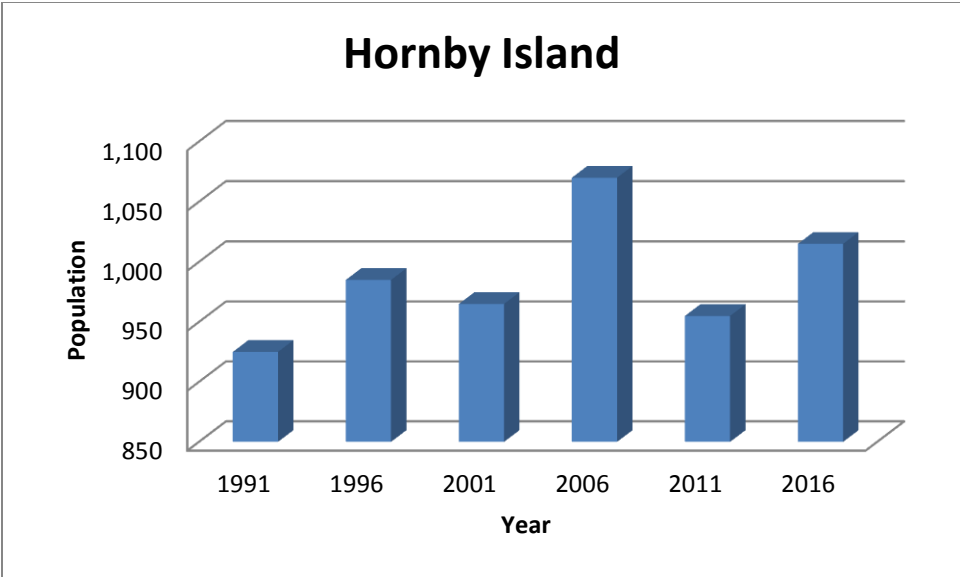


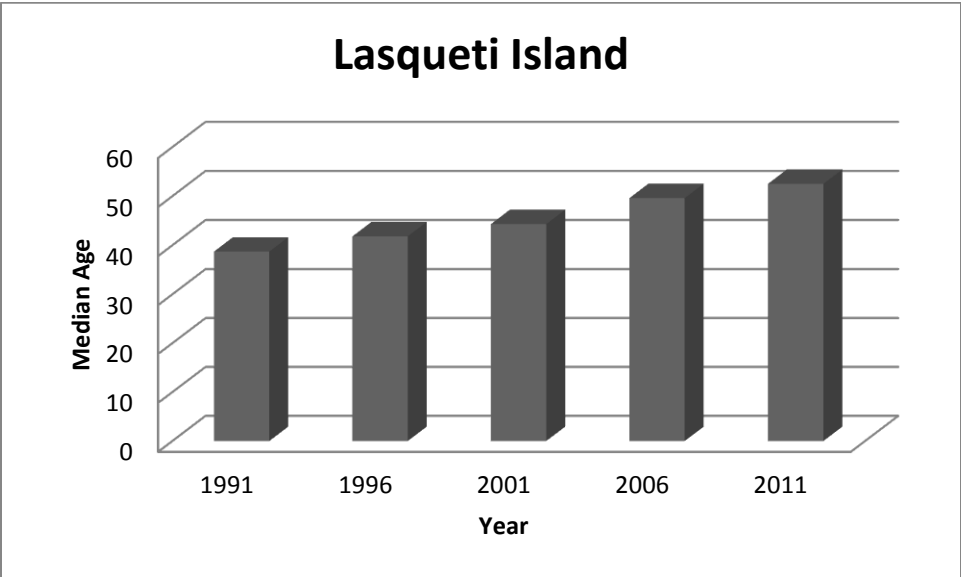
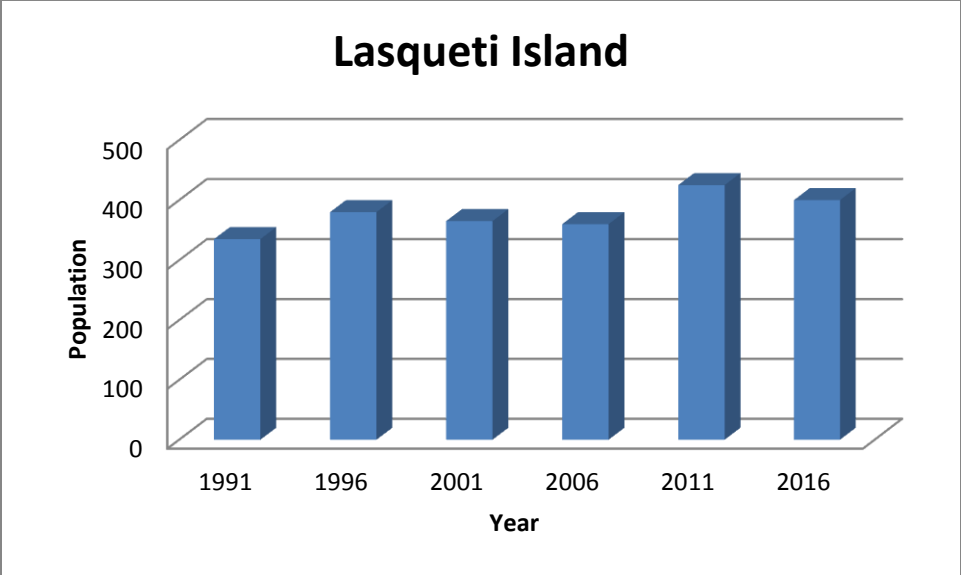
Gambier Island



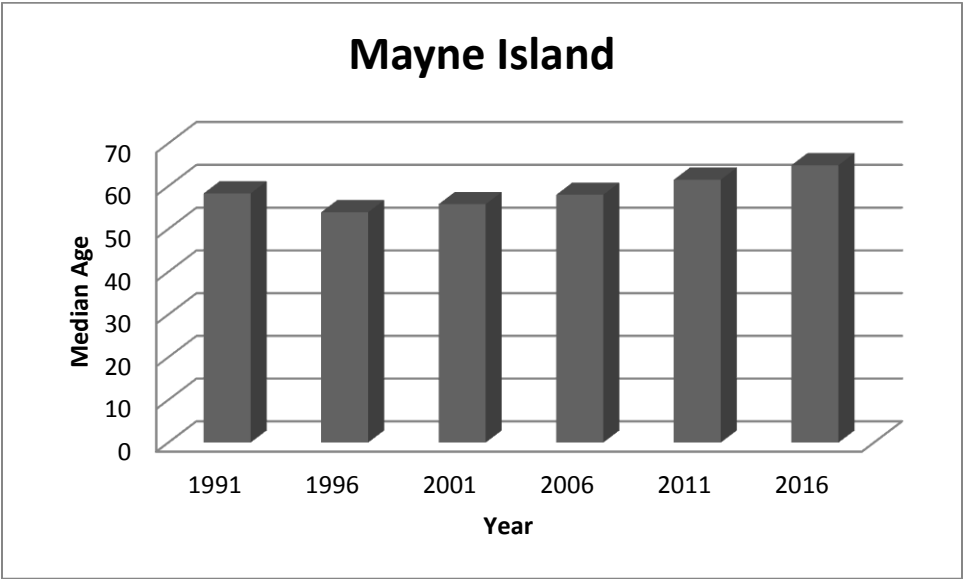
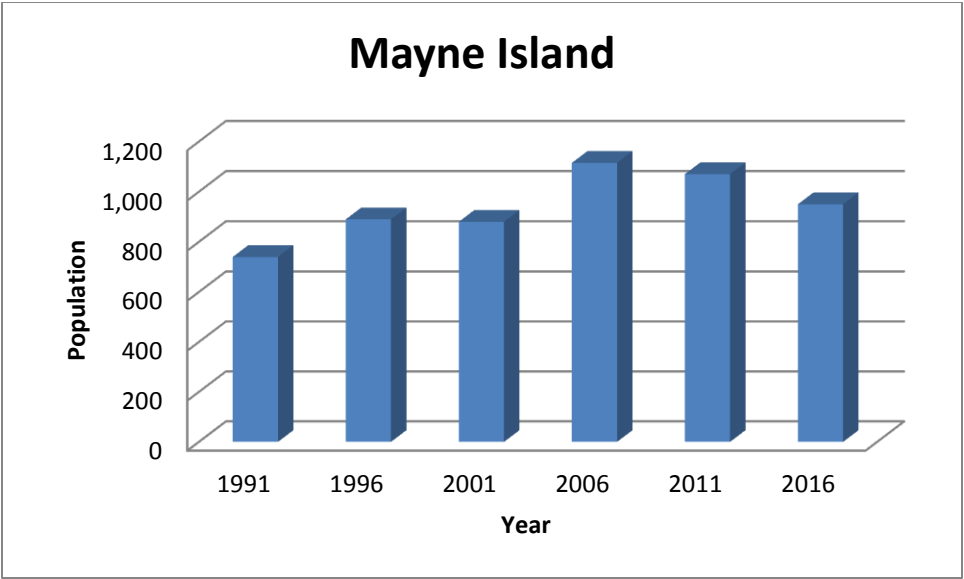
Gambier Island



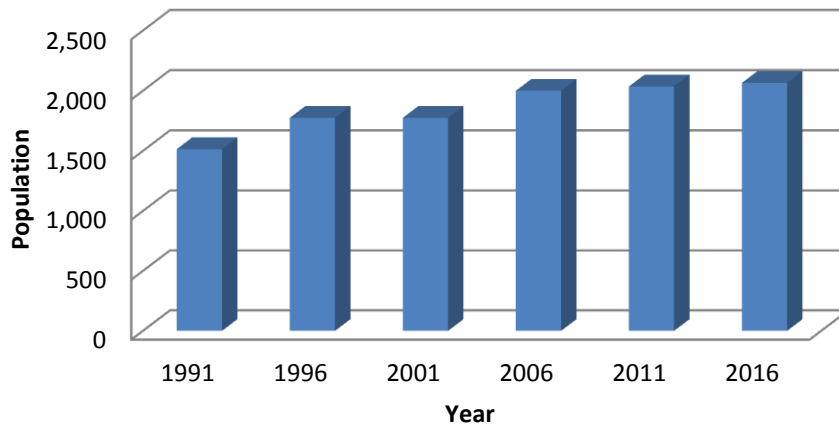




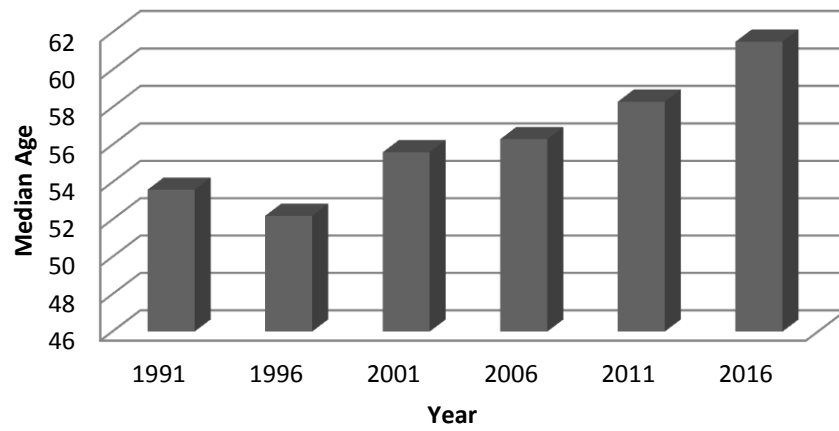
Note: Lasqueti Island Census data unavailable for 2016 except for total population and total dwellings as Statistics Canada deemed the information to be too unreliable to be published.

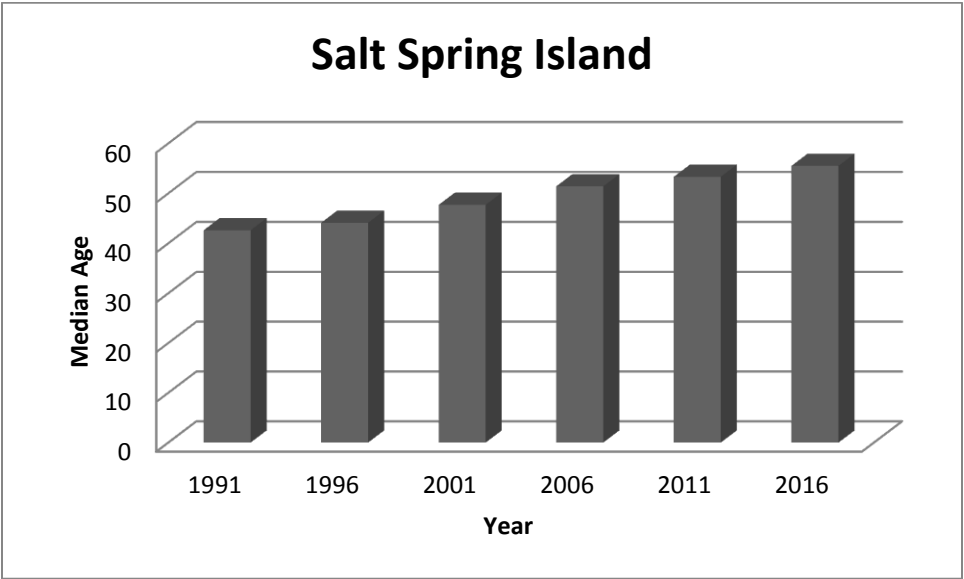
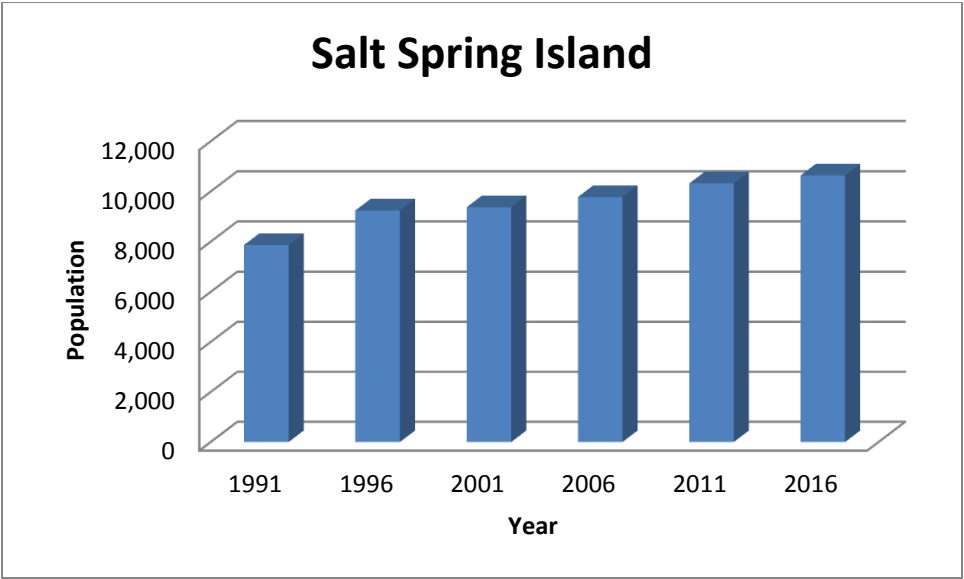


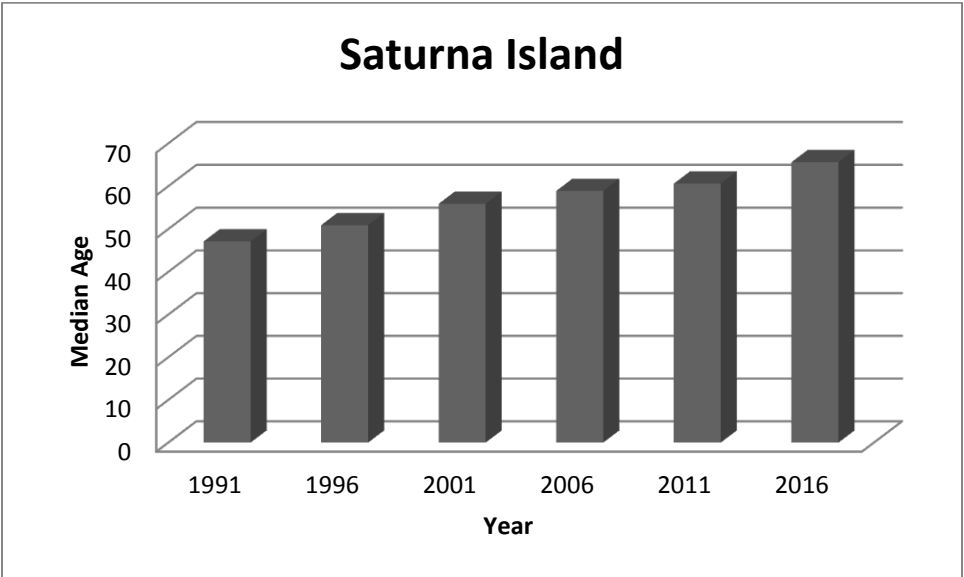
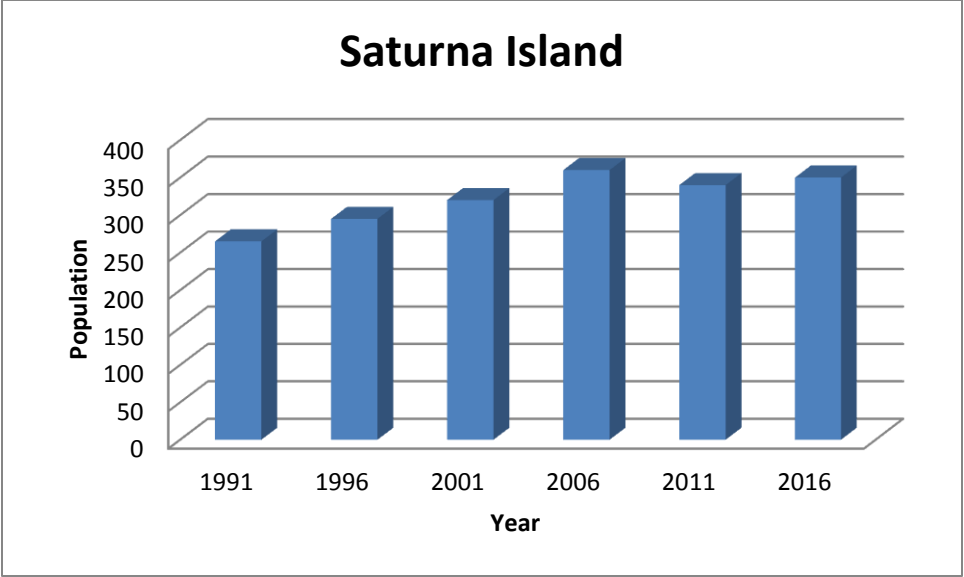
North Pender Island



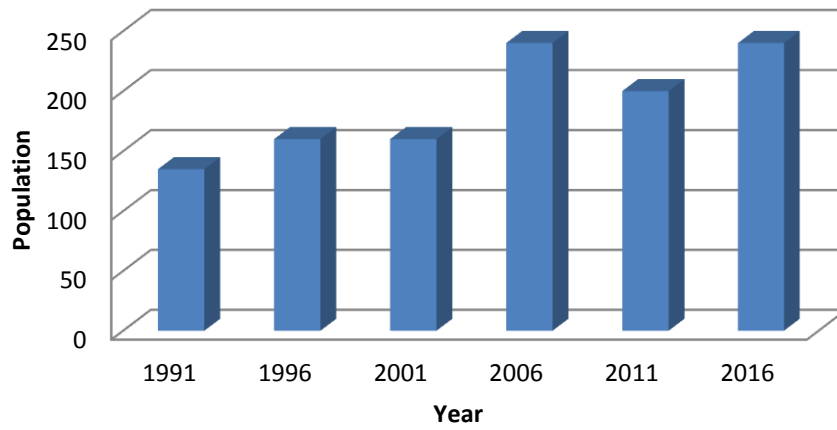
North Pender Island



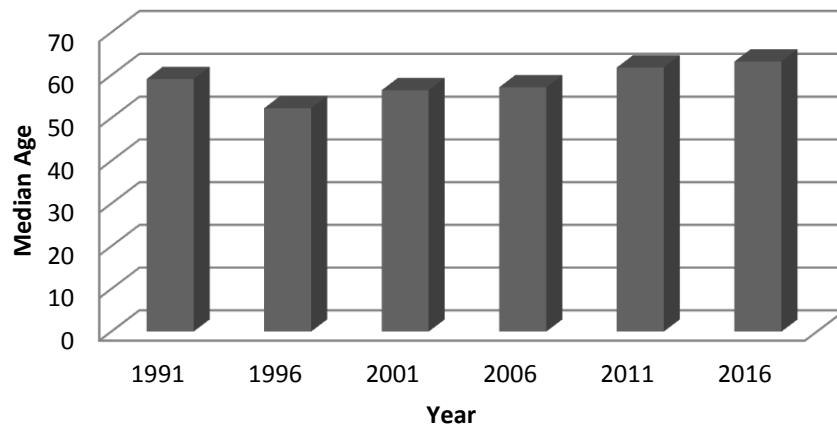


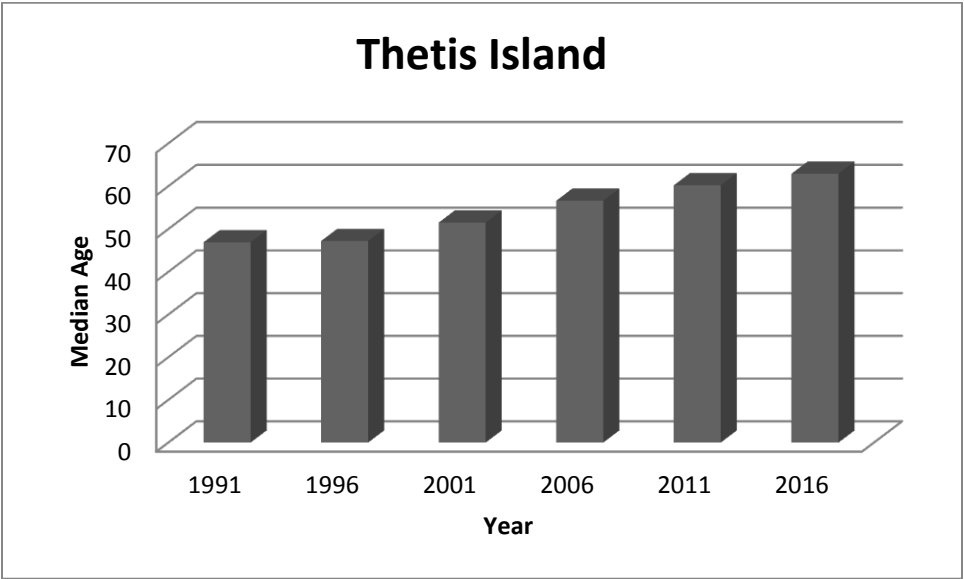
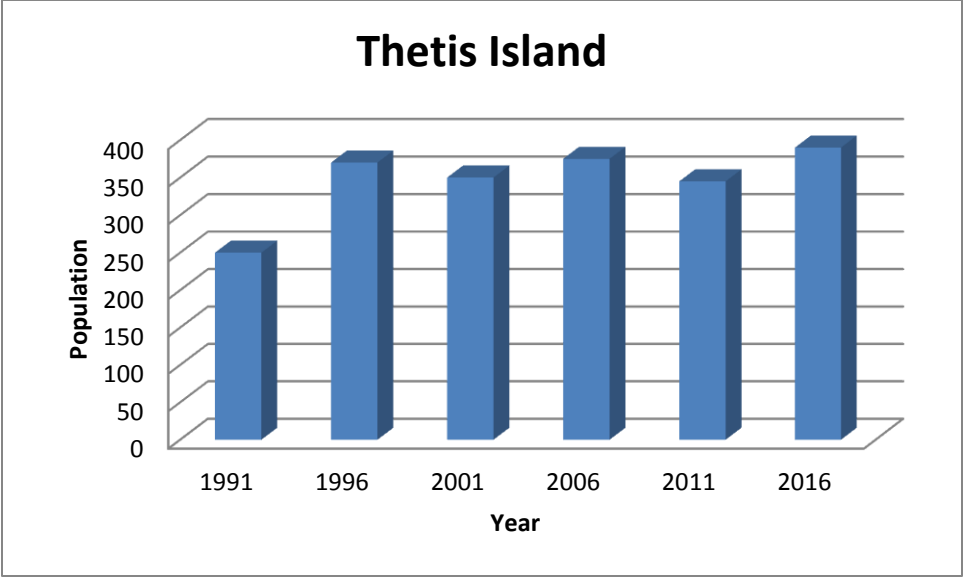


South Pender Island



South Pender Island





Policy Statement – State of the Islands Project Project Charter v 2.0

Purpose: Snapshot of Islands Trust area indicators (ecological and socio-economic) to assist Trust Council to clarify its vision for sustainability in the Islands Trust Area and measure its progress in achieving that vision.

Background: Trust Council's Strategic Plan T.9.1 directs TPC to develop a project charter regarding 'State of the Islands' communications in 2016 in support of planned community engagement to identify a Vision and Policy Statement topics for amendment by March 2017. The last time a similar project occurred was the "Measuring our Progress" report done for each island in 2003 which focused on sustainability indicators. An indicator is simply a factor we can measure to provide objective information and clues about conditions and trends.

Objectives

- The 'State of the Islands' report will offer a base-line of important indicators that will support public engagement and help future Councils to measure progress in achieving its vision.
- This project supports the Policy Statement update project.

In Scope

- Reporting on Trust-wide indicators and trends that measure progress towards TC vision
- Collating existing data (e.g. ecosystem mapping, water studies, Salt Spring Island Incorporation Report, Economic Sustainability displays, 2011 and 2016 Census data)
- Data relevant to Policy Statement
- Displaying the information in ways that support public communications at meetings and on the website

Out of Scope

- Analyzing the reasons for changes in indicators
- Prescribing responses to poor indicators

Workplan Overview

Deliverable/Milestone	Date
Recruit contractor or temporary staff	May 2016
Phase 1— collect data and produce reports	June-Aug 2016
Report to Trust Council	Sept 2016
Phase 2— Consolidate 2016 Census with phase 1	2017

Project Team

TPC	Project Sponsor
Lisa Gordon	Project Manager
Contractor/Island Planner/Policy Advisor	Project Lead
Pamela Hafey	Communications

Approved by:

Trust Programs Ctte

Date: Feb 29, 2016

Endorsement:

Resolution #:

Date:

Budget 2016/17

Budget Source: 2016/17 approved budget

Item	Cost
Contractor / Co-op student	\$25,000
Communications materials / display	\$10,000
In-kind staff time	
Total	\$35,000

To: Trust Programs Committee

From: Trustee Tony Law

11 February 2018

Plastic in the Salish Sea – 19 February TPC meeting

I am providing the following ahead of the meeting knowing that we have a full agenda and hoping that we can discuss the following suggested actions (explained in the text below):

- **Review the disposition of the Islands Trust resolution at the 2017 UBCM convention regarding styrofoam and identify appropriate follow-up actions**
- **Review and provide comments on the revisions to the Fisheries Act, with particular focus upon the monitoring and enforcement of aquaculture practices**
- **Use the opportunity of sessions on the topic of “plastics” at the upcoming Salish Sea Ecosystem Conference to identify actions that the Islands Trust could consider initiating or supporting**

Background

We are no doubt all aware from our reading, our constituents and presentations to Trust Council that plastics in the Salish Sea (much of it in the form of micro plastics) is a serious problem.

Significant aspects include:

- microbeads
- Styrofoam
- aquaculture equipment/debris
- consumer/commercial industrial products

Here are actions that are being taken – or could be taken – on each of the above

Microbeads

On January 1, 2018, federal regulations started to come into effect banning the manufacture and import of microbeads in specified products

Styrofoam

The 2017 Union of British Columbia Municipalities convention endorsed the following Islands Trust resolution (which had first been endorsed by the Association of Vancouver Island and Coastal Communities):

Preventing Polystyrene Foam Pollution in the Marine Environment Islands Trust

Whereas foam from marine infrastructure is an increasing source of pollution on British Columbia's beaches; And whereas there is concern that plastic-associated chemicals from polystyrene and other types of rigid foam are harming the marine environment and contaminating food webs: Therefore be it resolved that UBCM request the provincial and federal governments to implement measures that prevent rigid foam pollution in the marine environment.

Action to now consider:

Review the disposition of the Islands Trust resolution at the 2017 UBCM convention regarding styrofoam and identify appropriate follow-up actions

[A significant source of Styrofoam in the marine environment is its use in aquaculture rafts (DFO has had a grant program to encourage encasement). This is an issue to address with respect to aquaculture regulations and their monitoring and enforcement – see below.]

Aquaculture equipment/debris

The Islands Trust has taken, or is taking, the following actions:

- Chair letter to the Minister of Fisheries and Oceans Canada regarding Baynes Sound clean-up and a request for research (November 2017)
- Chair letter to the Minister of Fisheries and Oceans Canada regarding a request for ecosystem-based study of potential impacts of the Integrated Geoduck Management Framework 2017 on the health of the Salish Sea (January 2018)
- Preparation of a resolution to “request that DFO conduct an ecosystem-based study of potential and cumulative impacts of increased geoduck clam aquaculture that includes consideration of the need for increased monitoring and enforcement” for consideration at the upcoming Association of Vancouver Island and Coastal Communities convention (April 2018)
- The Islands Trust is co-organizing with the World Wildlife Fund a Baynes Sound Ecosystem Forum (May 2018)

The West Coast Law Association has provided the following perspective:

“Currently, there appears to be no legal regime to address aquaculture debris. The BC Shellfish Growers Association has released an Environmental Management Code of Practice, which shellfish growers may choose to adopt. The Code requires growers to keep their lease and adjacent areas clean of farm-related debris, to regularly inspect the lease and adjacent shoreline areas, to retrieve debris of aquaculture origin, and to promote the collection and disposal of marine user wastes in a proper and timely manner. However, these guidelines are voluntary and not enforceable.

Shellfish growers must obtain an aquaculture licence under the federal Fisheries Act. The Conditions of Licence prohibit growers from letting their equipment, such as oyster trays and netting, enter into the environment as debris. But enforcement of these conditions is almost impossible: there is no way to trace

the equipment back to the license holder, once it is adrift in the ocean.

The federal government could strengthen Fisheries Act licensing requirements by requiring identification tags on fishing gear, nets, buoys and traps, which would allow the owner to be identified and held responsible for the equipment that washes up on shore.”

On 6 February 2018, the federal government announced proposed changes to the *Fisheries Act* that include enhanced enforcement and monitoring capacity. Details of the legislation are not yet available. The bill to implement the proposed amendments will be referred to parliamentary committee which will receive and consider public input.

Action to now consider:

Review and provide comments on the revisions to the Fisheries Act, with particular focus upon the monitoring and enforcement of aquaculture practices

[The following is an abstract of a May 2017 peer-reviewed paper

Microplastics in the context of regulation of commercial shellfish aquaculture operations.

Schoof R, DeNike J

- Abstract

Shellfish aquaculture in the Salish Sea (encompassing the Strait of Juan de Fuca, Puget Sound, and the Georgia Strait) is a major source of clams, oysters, and mussels in the United States and Canada. Plastic gear is necessary for the viability of many of these operations. During the past few years, shellfish farm permits issued in Washington State have been challenged on various bases that have included allegations that the plastic gear is releasing microplastics, commonly defined as particles less than 5 mm in diameter. Published survey data on sources of marine plastic debris demonstrate the very limited contribution of aquaculture gear. Both permits and industry codes of practice provide procedures to minimize loss of gear to the marine environment. Plastic gear is also designed specifically to maintain its integrity and not degrade in the marine environment. Plastic degradation is greatest on beaches with high UV exposure, whereas aquaculture gear is mostly underwater and/or covered by biofoulants. Available data for microplastics in water, sediment, and biota of the Salish Sea do not suggest significant release of microplastics from shellfish aquaculture operations.]

However, PVC piping is extensively used in geoduck aquaculture. PVC breaks down when exposed to natural weathering.]

Consumer/commercial industrial products

Lately, a lot of information has become available about plastic pollution in the marine environment and how to address it. Much of this will be presented in two sessions at this year's Salish Sea Ecosystem Conference in April 2018 at which there will be Islands Trust presence. Here are outlines of the two sessions:

State of the Science: Plastic Pollution in the Salish Sea

This session will feature current research from the Salish Sea region on plastics (including microplastics) in marine and freshwater environments, addressing key questions such as: How much plastic pollution

affects the Salish Sea region? What are the impacts of plastics on marine and freshwater organisms? What are the human health risks of plastic pollution? What are the data gaps?

Policy Approaches to Plastic Pollution Prevention

This session will bring participants together in a cross-discipline, trans-boundary discussion on structured and shared decision-making and the roles of policy, science, legal frameworks, economics and culture in protecting the Salish Sea from plastic pollution. Topics might include: British Columbia's producer responsibility policies and product take-back programs; business cases for reducing single-use items; policy goals and management strategies, including barriers and solutions, related to plastics markets; transboundary environmental standards that cover plastics in the Salish Sea (e.g. water quality standards), and more.

Action to now consider:

Use the opportunity of sessions on the topic of “plastics” at the upcoming Salish Sea Ecosystem Conference to identify actions that the Islands Trust could consider initiating or supporting

[For interest: The Environmental Law Centre at UVic has prepared recommendations on seven top priorities for addressing marine plastic pollution (http://www.elc.uvic.ca/wordpress/wp-content/uploads/2017/08/2017-01-11-MarinePlastics_Final-WEB.pdf). These are the identified priorities

1. Increased regulation of single use plastics, such as:
 - a. a. Plastic bags;
 - b. b. Bottles, straws and tableware;
 - c. c. Polystyrene/Styrofoam;
 - d. d. Cigarette filters;
 - e. e. Beverage containers;
2. Regulate stormwater outfalls;
3. Regulate microplastic pollution;
4. A national strategy to clean up derelict fishing gear;
5. Extend producer responsibility;
6. Address the root problem – redesign the plastic economy;
7. Education, outreach and beach cleanups]

Trustee Tony Law – 11 February 2018

Preventing polystyrene foam pollution in the marine environment (2017)

WHEREAS foam from marine infrastructure is an increasing source of pollution on British Columbia's beaches;

AND WHEREAS there is concern that plastic-associated chemicals from polystyrene and other types of rigid foam are harming the marine environment and contaminating food webs;

THEREFORE BE IT RESOLVED that UBCM request the provincial and federal governments to implement measures that prevent rigid foam pollution in the marine environment.

Background: Polystyrene foams (e.g. Styrofoam) and other types of rigid foam are an increasing source of pollution on BC's beaches. They are also a significant source of microplastics in the marine environmentⁱ, ⁱⁱ. The foam escapes from docks, floats, aquaculture facilities and other marine infrastructure and breaks up in the marine environment. Aside from the visual pollution, there are serious ecological impacts as many species of marine life, including fish, eat the small pieces of foam which breakdown into microplastics and ultimately contaminate food webs.

The federal and provincial governments could undertake measures such as the following to prevent rigid foam pollution in the marine environment:

- Enact laws or regulations.
 - Oregon State has a foam encapsulation law which requires any marine construction project that uses expanded polystyrene "white bead" foam for flotation to get a Foam Encapsulation Certificate from the Oregon State Marine Board.
(<https://www.oregon.gov/OSMB/boater-info/Pages/Foam-Encapsulation.aspx>)
- Require leaseholders to comply with guidelines.
 - The Washington State Department of Natural Resources can require its leaseholders to implement the following measure "All foam material whether used for flotation or for any other purpose must be encapsulated within a shell that prevents breakup or loss of the foam material into the water and is not readily subject to damage by ultraviolet radiation or abrasion. During maintenance, existing unencapsulated foam material must be removed or replaced.
(<http://www.ecy.wa.gov/programs/sea/shorelines/smp/handbook/chapter12.pdf>)
- Undertake public education campaigns
- Fund shoreline clean-up projects
- Provide financial incentives

ⁱ M. Cole, P. Lindeque, C. Halsband, T. S. Galloway, Microplastics as contaminants in the marine environment: A review. Mar. Pollut. Bull. 62, 2588–2597 (2011).

ⁱⁱ Hildago-Ruz, V., L. Gutow, R. C. Thompson and M. Thiel (2012). Microplastics in the marine environment: a review of the methods used for identification and quantification. Environmental Science and Technology 46(6): 3060-3075.

**Top Priorities****Trust Programs Committee**

No.	Description	Activity	R/Initiated	Responsibility	Target Date
1	Review the Islands Trust Policy Statement	a) State of the Islands project b) First Nations and public engagement		Clare Frater Karen Hurley Fiona MacRaild	
2	Protect Quality and Quantity of Water Resources	Implement Freshwater Forum Project Charter Implement Water Conservation Advocacy/Education Project Charter		Clare Frater William Shulba Karen Hurley	
3	Promote the marine health of Baynes Sound/Lambert Channel	Implement Baynes Sound/Lambert Channel Forum Project Charter		Clare Frater Karen Hurley	

Projects**Trust Programs Committee**

Description	Activity	R/Initiated
Enhance (protect / restore) community character, socio-economic diversity and economic sustainability	Develop advocacy program for sustainable, appropriate agriculture Facilitate exploration of intra and inter-island transportation routes	

Trust Programs Committee

No.	Description	Activity	R/Initiated	Responsibility	Target Date
	Strengthen relations with First Nations	Improve protection of archaeological and First Nations cultural resources			
	Improve cooperation and integration with other levels of government	Explore opportunities and benefits of cooperating with First Nations and others to seek nominations of the Trust Area as a UN Biosphere Reserve.			
	Amend Crown Land Cooperation Agreements (Strategic Plan 8.1)	Engage Bowen Island Municipality and the Province of B.C. in updating and consolidating existing agreements into one. Consider implications for First Nations relationships.			