



SURGE CURRENTS

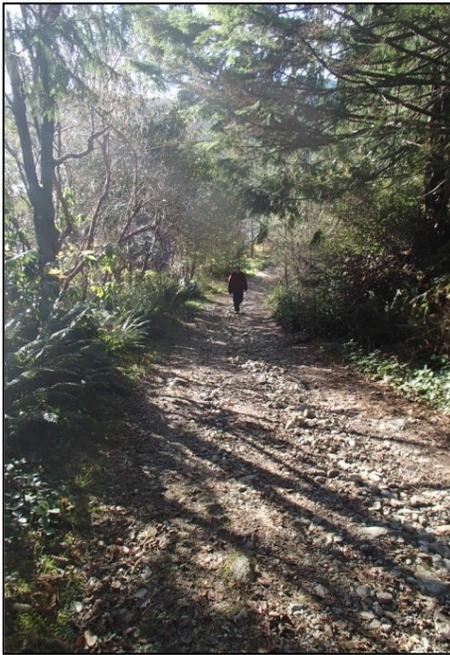
S.N.C.A.

January's Storms

Volume 169

February 2021

OUTER ISLANDS HOME SUPPORT PROGRAM



Many of you know that Lise Batcheller is our original home support worker who travels by foot, boat and quad to check on, and assist, clients. We're very pleased to welcome Kim Barnes, who joined the program as home support worker last November. And many thanks to Sheila Hollanders for stepping in for Lise over the last weeks.

One of the popular aspects of the program is the delivery of a variety of homemade soups.

At this time we have a roster of 25 clients on four islands and we are funded for one full day of work by each worker every week. Our goal is to see each client at least once a month or more in special circumstances. Obviously this can be quite a challenge with seasonal storms and snow.

The program began in June 2019. We received some generous private donations, as well as a few grants, which kept us going until November 2020. During those sixteen months we were able to demonstrate the need for, and the effectiveness of, our program. Island Health stepped up and provided funding for one year with the

opportunity to renew it on a yearly basis. This is wonderful as it gives us confidence in the program continuing and the ability to plan for the future.

Sally Davies

FIREWOOD

We have a grant for firewood this year again AND the opportunity to add to it IF there is enough interest from workers and clients.

It may seem a little early to be starting this, but our grant(s) end in June so we really need to get going!

We've had a few workers come forward and we welcome more. We've been able to increase the rates so that's good news for workers.



FIREWOOD: We'll contact the firewood clients from last year to confirm that you'd like to be included again. Any seniors who haven't been involved yet are welcome to sign up for assistance.

Please contact: sallyotg@gmail.com or Sally Davies: 250-204-8466

Current Events and Notices

Medical Clinic February

NP Pat will be attending the clinic on February 3rd and Dr. Steve on February 24th.

Mail without Box Numbers

Some of the mail coming to Surge Narrows post office doesn't have the correct PO box or there isn't a PO box. I usually write your post office box on the mail if it is missing which Canada Post requires us to do. If you get mail with a post office box written on it, could you please update whoever sent the mail with the correct PO box? This will save us time and it will help us to get your mail in the right po box. Could you please let me know if you have any questions? Thanks Donna, Postmaster Surge Narrows

Special Prawn Closure Areas

13-12, 13-16, 13-17. (Roughly surrounds Read Island.) Fisheries is patrolling the area.

COVID-19 Immunization Plan

Phase 1 Dec 2020-Feb 2021	Phase 2 Feb-March 2021	Phase 3 April-June 2021	Phase 4 July-Sept 2021
High-risk population		General population	
<ul style="list-style-type: none"> Residents, staff, and essential visitors to long-term care and assisted living Individuals assessed for/awaiting long-term care Hospital health care workers who may provide care for COVID-19 patients Remote and isolated Indigenous communities 	<ul style="list-style-type: none"> Seniors aged 80+ who are not yet immunized Indigenous seniors aged 65+, Elders, and additional communities not yet immunized Hospital staff, community GPs and medical specialists not yet immunized Vulnerable populations in select congregated settings Staff in community home support and nursing services for seniors 	<p>People aged 79 to 60, in five year increments:</p> <ul style="list-style-type: none"> 79 to 75 74 to 70 69 to 65 64 to 60 <p>People aged 69 to 16 who are clinically extremely vulnerable</p>	<p>People aged 59 to 18, in five year increments:</p> <ul style="list-style-type: none"> 59 to 55 54 to 50 49 to 45 44 to 40 39 to 35 34 to 30 29 to 25 24 to 18
<p>Once more vaccines are approved/available, people 64 to 18 yrs who are front-line essential workers or work in specific workplaces/industries may be included later in Phase 3.</p>			

The timeline for BC's COVID-19 Immunization Plan may change based on vaccine availability.

COVID-19 IN BC

From the Lot 302 Go Fund Me page: [Lot 302 Purchase, Read Island, BC](#)

JANUARY 21, 2021 by Rosie Steeves, Organizer

As we embark on a new year, we'd like to thank everyone once again for generous support and provide an update on accomplishments and activities. SNCA assumed ownership of the 20-acre forested property in late 2019, and 2020 has been a perfect year for an outdoor community project. We've been busy!



Our first objective was to develop a low impact trail so everyone could enjoy the forest. Several folks flagged a route that includes lots of special natural features. On a number of really fun workdays, community members tamed the route into a lovely 0.77 km walking path that is accessible for young and old. In fact, we had lots of help from our youth: Surge School kids were among our most reliable helpers, and with a little guidance, they are creating the interpretative signage that will provide information along the trail. There are a few bridges yet to be installed, but at another work party, grownups milled a windthrow cedar to deck the aluminum beams we've purchased for crossing a wetland. We are all very delighted with the trail and invite anyone to come and enjoy it!

Another project is establishing protection for the land. We've produced a document that formally describes intentions along with a comprehensive set of rules to guide and ensure careful human use. Community volunteers also conducted initial baseline surveys to identify and record resident species, sensitive ecosystems and other special features of the forest. This will be used to monitor the land and changes over time and will serve as the basis for establishing a conservation covenant or other formal protection.

We have also taken down the remains of an old cabin on the lot and another pass at cleaning up the site was fun excuse for a Christmas Eve bonfire! This year's focus on outdoor social gathering gave rise to discussions about a pavilion and the School District is also interested in building an outdoor classroom. We are considering ways in which all needs may be combined for the good of the community.

Work is also continuing on acquiring and protecting additional lands. We hope to share good news about this in the not-too-distant future.

Once again, thank you for your generous support and we'll be sure to keep you posted on further developments.

Surge Narrows Community Association



Calling all concerned citizens, stewards of our beautiful islands!

While contiguous stands of old-growth are worth fighting for, single old-growth trees are priceless in their own right. Large old-growth trees sequester huge amounts of carbon dioxide; help capture rainwater and retain runoff; provide homes for animals, from the microscopic to the macroscopic, some of which are found nowhere else on Earth; are ecosystems in themselves; are mother trees to the forests around them and imbibe our lives with sacredness and awe.

Saving Big Trees, What You Can Do:

By law, the following trees are protected under the Forest and Range Practices Act of B.C. Special Tree Protection Regulation, and granted a 56m radius buffer from logging.

Western red cedar with a 3.85m diameter at breast height (DBH is measured at 1.37m above ground)

Coastal Douglas-fir 2.7m DBH — Sitka spruce 2.83m DBH — Yellow cedar 2.65m DBH

Big leaf maple 1.98m DBH — Pacific yew 63cm DBH — Arbutus 1.64m DBH

Black cottonwood 2.68m DBH — Grand fir (balsam) 1.46m DBH — Pacific yew 63cm DBH

Trees of important aesthetic, cultural (i.e. Culturally Modified Trees) or ecological value may also be identified and granted protection. Landowners and tenure holders must report a specified tree within 30 days of its identification.

If you know of or spot a large tree, take a picture, mark the location and tell someone! Send an email to SNFA at surgenarrowsfac@gmail.com, we can take the required measurements and forward them to the land owner or tenure holder or, if you are interested, we can direct you in how to proceed.

Johanna Paradis

Following are various links of importance to forests provided by the Surge Narrows Forest Advisory Committee

Many Overheated Forests May Soon Release More Carbon Than They Absorb:

New research suggests that, sooner than expected, trees may become carbon sources rather than carbon sinks, as a feedback loop of rising temperatures drives them to release more greenhouse gases. <https://insideclimatenews.org/news/13012021/forests-heat-climate-change/>

Beautiful, new, and local: Powell River community website launched to inform and support timely implementation of BC's Old Growth Strategic Review – please share.

<https://www.qathetoldgrowth.ca>

<https://www.facebook.com/groups/344464636947245/permalink/473007170759657/>

Some nice really short videos

[https://www.cbc.ca/documentaries/the-nature-of-things/scientists-are-discovering-new-species-in-the-ancient-canopies-of-canada-s-tallest-trees-1.5873518?](https://www.cbc.ca/documentaries/the-nature-of-things/scientists-are-discovering-new-species-in-the-ancient-canopies-of-canada-s-tallest-trees-1.5873518?fbclid=IwAR2RWl_XCzfRITqm42zQSm06dBhE1OMYjlInaHRaHZn0QvjUBJrCkoSuZQQ)

[fbclid=IwAR2RWl_XCzfRITqm42zQSm06dBhE1OMYjlInaHRaHZn0QvjUBJrCkoSuZQQ](https://www.cbc.ca/documentaries/the-nature-of-things/scientists-are-discovering-new-species-in-the-ancient-canopies-of-canada-s-tallest-trees-1.5873518?fbclid=IwAR2RWl_XCzfRITqm42zQSm06dBhE1OMYjlInaHRaHZn0QvjUBJrCkoSuZQQ)

MORE OF EVERYTHING In this film, Swedish scientists and foresters examine outcomes and discredit claims of the Swedish forest industry. Pertinent to here because BC's forest industry is modelled on forest management systems developed in Sweden. <https://moreofeverything.org/> (59 minute film)

The Serviceberry: An Economy of Abundance Robin Wall Kimmerer reimagines currencies of exchange based on an ethic of reciprocity, Indigenous wisdom, and ecological systems. <https://emergencemagazine.org/story/the-serviceberry/?fbclid=IwAR2aeOmaz2Oj0x-1ER4Di9QK1QTKMuwJVINLDKUpE81jv569HdV3DXtI6IE> (45 min audio story)



COVID Vaccinations and other Emergency Preparedness questions you've been asking...

“What’s up on COVID Vaccinations?” you ask.

Although the B.C. high-level vaccination plan has been rolled out, the details are still being worked out under direction of the Provincial Medical Health Officer. Both of our possible vaccination providers, Quadra Medical Clinic (Dr. Steve & NP Pat) and Campbell River Public Health (the nurses we work with who come in October to give flu shots), are waiting for that direction. We continue to be in contact with these providers to support communications, registration and logistics, and will get information to you as soon as available.

“What about this new BC benefit that came in January 2021?”

The BC Recovery Benefit is a one-time tax-free payment of up to \$1,000 for families and up to \$500 for individuals. You must apply to receive it, you have until June 30, 2021 to apply. Details and online filing at <https://www2.gov.bc.ca/gov/content/economic-recovery/recovery-benefit>. Telephone applications call 1-833-882-0020, be prepared with your 2019 income tax return net income, your social insurance number, and your driver’s license number.

BC Recovery Benefit



Fire & Firesmart:

“Whatever happened to the Fire Warden Program?”

Out BC Wildfire Officer, Jeff Belcher, Powell River office, explained this program was cancelled a number of years ago and the funding was reallocated to the Firesmart Program.



“So the Community Wildfire Protection Plan (CWPP) for our area was completed in 2020. What’s next?”

One of the benefits of the CWPP is its focus on the human – wild interface, in other words, how to keep our homes safe in case of wildfire. This is especially important as BC Wildfire is not equipped nor permitted to fight house fires.

SRD Emergency Preparedness on our behalf has applied for a Firesmart expert to visit homes identified in the report as the highest risk areas. Highest risk areas are generally those with the most homes / residents. The expert will provide ranked suggestions to each homeowner. My understanding is the funding for 2021 – the Firesmart expert coming to advise – is extremely likely.

The plan is in the following year, to obtain funding up to \$500 per household to assist in carrying out these recommendations.

“And what about a community chipping service like done on Quadra Island this year?”

This is more complicated. The funding permits chipper rental, but not a chipper purchase. And the logistics of getting a large industrial-sized rental chipper and staff to all island residents is significant. Add to that the learning of Quadra Islanders from their chipping program – the chipped material is considered a fire hazard, so was taken away, and not left as garden mulch as many gardeners wished. So for now, this idea is on hold.

Any other questions of an Emergency Preparedness nature, contact me at gvassal2@gmail.com, I’ll do my best to get back to you, or if I don’t know the answer, I’ll put you in touch with someone who does. Ginny

Baylink Networks is a private company based in Port Coquitlam, B.C. that specializes in providing turnkey undersea networks.

To learn more about Strathcona Regional District and City West's Connected Coast Project, please visit www.connectedcoast.ca.

From the Connected Coast website FAQ

What is last-mile connectivity? Why isn't it being completed as part of this project?

The Connected Coast project provides 'backbone' infrastructure only. It does not include last-mile connectivity for communities to connect to the high-speed infrastructure. Last-mile generally refers to the final leg of telecommunications networks that brings the service to homes and end retail customers. The last-mile solution will be unique to each community depending on their aspirations, resources and existing connectivity landscape. Community-based institutions and ISPs that offer last-mile services will be able to connect directly to that backbone infrastructure.

Network BC is the provincial agency tasked with improving connectivity across the province and are a helpful resource for communities and ISP's seeking to connect to the backbone infrastructure. The Connected Coast project team will keep ISP's, regional districts and communities informed of important developments and initiatives that may assist them to develop last-mile solutions.

Internet access is important but so is cellular coverage. Why are we prioritizing getting these communities internet access before they can use a cellphone?

Cellular service is one way to connect communities and we will continue to find ways to improve cell service in the region. **By investing in a fibre-optic line we are creating the opportunity for service providers to connect BC's coastal regions with modern internet access and cellular coverage.** The network's existence is also expected to make it easier for local internet service providers to obtain grant funding to connect homes and achieve internet speeds available today in large cities.

Meanwhile...looming competition appears to have spurred Telus to life

With serious competition looming, Telus is trying to up their game by initiating efforts to put more cell towers on Quadra, Cortes and Read. From Jim Abram's Regional Director's Report in the January 22, 2021 Discovery Islander:

We have issued the contract to the cable layers for the back-bone fibre cable that will go from Prince Rupert to Vancouver and down both sides of Vancouver Island. We are going to be some of the first seven starting in the Campbell River area! We have landing sites for fibre all around Quadra and for Surge Narrows, Granite Bay and Blind Channel. This is very exciting!

We are also in the final stages of getting Last Mile funding (to get it to your house) and we will know about that soon. The caution I want to throw out there is that the funding depends on "unserved areas". **SO, the caution is that Telus is now actively going out and trying to put up towers in these unserved areas so they can say they are served and we won't get the funding.** They have already approached landowners on Quadra with very lucrative offers to be able to put up towers. What they have not taken into account is that all towers WILL require a land use rezoning. So you as residents will have a say: Do you want a multi hundred foot tower in your neighbourhood? The plot has definitely thickened. This is very upsetting since I have lobbied them for twenty years to improve service and they have always said there wasn't a business case. Now that we come in as the COMPETITION, there is a business case... pretty suspect, if you ask me!"

Jim's message to us all is to not let Telus in. After years of terrible service they are trying to out maneuver the SRD/ CityWest competition. If we allow a Telus tower on Read Island, only possible through a rezoning application which will come before the public, our chances of getting any last mile funding will go out the window. Jim advises that we just keep on keeping on with our current systems until this all works out. As stated above, Connected Coast and CityWest say that cell service can be extracted from the fibre optic cable via hubs that can be installed at a later date.

Regional Director's Report —segments copied from the Discovery Islander/January 22, 2021

(A portion of this Report also appears in the article on the Connected Coast.)

Bute Inlet slide and IPP's

(Run of the River power projects) Shifting gears, I am sure that all of you are aware of the horrific landslide that took place near Bute Inlet at Elliot Creek. The devastation was incredible and was a prime example of why some areas should not be industrialized by such things as Independent Power Projects. This is the area the applicants for the IPP's are proposing. Immediately after the slide I wrote to the approving officer for the project and, of course, all of the appropriate Ministers involved. My letter follows:

Dear Katie Semeroni , (Approving officer, FLNRORD)

As the Elected Local Government representative for the entire area under investigation , I am very concerned with the answers coming back from your office regarding this application, considering all of the input you have had for a year and a half from the public. I sent a letter with all of the information you are now asking my constituents to provide. I am attaching it again for your review. Did you not see all of the media in the past two days of the devastation due to geological forces in the exact area you are considering for this permit? Please search "Bute Inlet Slide and Flooding". Your browser will fill up with coverage. This was just one of the many slides that happen in the area on a regular basis. There is no basis for consideration of any industrial development in the area. Just ask any of the logging camp owners and lodge owners that frequent this area. Their evidence far outweighs anything you will find in your studies. Chief Darren Blaney worked with us in 2009 - 2011 to stop the last ill-conceived attempt by Plutonic and GE for basically the same proposal. He was adamantly opposed as was the NDP government of the day, in Opposition. I have been told by numerous present Ministers that this will never go through. I want to insure that they are right. I do not plan to stop this opposition to this ridiculous proposal until it is withdrawn or turned down by Government. Citizens' input should carry a lot of weight in this process. We live and make our livings in this area. All six species of salmon spawn in this area. Grizzly bears, black bears, mountain goats, to name a few, call it home. It cannot be destroyed. We won't let it be. Respectfully Jim Abram

Integrated Community Sustainability Plan update

We received a \$70,000 grant about three years ago to produce an overall plan for Area C and it would guide a re-write of our OCP and outdated zoning bylaw and create a new OCP and zoning bylaw for the antiquated one in the outer islands. ONE public meeting was held on Quadra and ONE public meeting was held at Surge Narrows to gather public input. That was it! I hounded our staff to tell me what was going on and when we would move on with this. They had no answers. After much inquiry we were told we would have it by June 2020 (about 6 months late and into COVID). The grant had a deadline of Dec. 2020 for completion. We don't have a plan nor do we have new OCP's and bylaws. So it was brought up at our Board meeting to request a one year extension. That passed and will be forwarded. I am extremely upset with the consulting firm that was contracted. We as the SRD should have been on their case to get it done. So now we wait. The frustration in the outer islands is so thick, it can be cut with a knife and I feel the same for Quadra. More to follow.

External appointments to other processes: I was very pleased at our last Board meeting to be re-appointed to all of the outside marine processes that I sit on working with the Feds, the Province and First Nations along with stakeholders from all sectors to deal with marine issues that effect all of us. I was also appointed as the Local Government Representative to the We Wai Kai Treaty Advisory Table. I am very pleased to represent your interests at all of these tables. I report back to the Board after every meeting so everyone knows what takes place. All of the reports are on the srd.ca website I was also called by the Parliamentary Secretary to the Minister of DFO to advise on her Transition Team that is going to be dealing with how to help mitigate any impacts to the aquaculture industry resulting from the decision to close the farms in the Discovery Islands. I have been working daily on this consulting with various sectors of all fisheries to insure that any possible impact will be dealt with. I know there has been a lot of media on this topic but my role will be to try and work with a decision that has already been made, including the inclusion of a transition plan, and make it work. The plan was announced as part of the decision. I'm not sure the media has accurately reported that part. Jim Abram, Director, Discovery Islands-Mainland inlets, Area C, SRD

THE HILL WE CLIMB by AMANDA GORMAN delivered at President Biden's Inauguration

When day comes, we ask ourselves where can we find light in this never-ending shade?

The loss we carry, a sea we must wade.

We've braved the belly of the beast.

We've learned that quiet isn't always peace,
and the norms and notions of what "just" is isn't always justice.

And yet, the dawn is ours before we knew it.

Somehow we do it.

Somehow we've weathered and witnessed a nation that isn't broken,
but simply unfinished.

We, the successors of a country and a time where a skinny Black girl descended from slaves and raised by a single mother can dream of becoming president, only to find herself reciting for one.

And yes, we are far from polished, far from pristine,
but that doesn't mean we are striving to form a union that is perfect.

We are striving to forge our union with purpose.

To compose a country committed to all cultures, colors, characters, and conditions of man.

And so we lift our gazes not to what stands between us, but what stands before us.

We close the divide because we know, to put our future first, we must first put our differences aside.

We lay down our arms so we can reach out our arms to one another.

We seek harm to none and harmony for all.

Let the globe, if nothing else, say this is true:

That even as we grieved, we grew.

That even as we hurt, we hoped.

That even as we tired, we tried.

That we'll forever be tied together, victorious.

Not because we will never again know defeat, but because we will never again sow division.

Scripture tells us to envision that everyone shall sit under their own vine and fig tree and no one shall make them afraid.

If we're to live up to our own time, then victory won't lie in the blade, but in all the bridges we've made.

That is the promise to glade, the hill we climb, if only we dare.

It's because being American is more than a pride we inherit.

It's the past we step into and how we repair it.

We've seen a force that would shatter our nation rather than share it.

Would destroy our country if it meant delaying democracy.

This effort very nearly succeeded.

But while democracy can be periodically delayed,
it can never be permanently defeated.

In this truth, in this faith, we trust,

for while we have our eyes on the future, history has its eyes on us.

This is the era of just redemption.

We feared it at its inception.

We did not feel prepared to be the heirs of such a terrifying hour,

but within it, we found the power to author a new chapter, to offer hope and laughter to ourselves.

So while once we asked, 'How could we possibly prevail over catastrophe?' now we assert, 'How could catastrophe possibly prevail over us?'

We will not march back to what was, but move to what shall be:

A country that is bruised but whole, benevolent but bold, fierce and free.

We will not be turned around or interrupted by intimidation because we know our inaction and inertia will be the inheritance of the next generation.

Our blunders become their burdens.

But one thing is certain:

If we merge mercy with might, and might with right, then love becomes our legacy and change, our children's birthright.

So let us leave behind a country better than the one we were left.

With every breath from my bronze-pounded chest, we will raise this wounded world into a wondrous one.

We will rise from the golden hills of the west.

We will rise from the wind-swept north-east where our forefathers first realized revolution.

We will rise from the lake-rimmed cities of the midwestern states.

We will rise from the sun-baked south.

We will rebuild, reconcile, and recover.

In every known nook of our nation, in every corner called our country,
our people, diverse and beautiful, will emerge, battered and beautiful.

When day comes, we step out of the shade, aflame and unafraid.

The new dawn blooms as we free it.

For there is always light,

if only we're brave enough to see it.

If only we're brave enough to be it.



February 2021

Beazley

Hole in the Wall

Campbell River

Turns	Maximum	reverse	maximum
Day Time	Time Knots	jour heure	heure noeuds
1	0021 0327 +10.5	16 0050 0354 +7.7	
	0655 1001 -8.3	0713 1025 -7.0	
MO	1319 1609 +7.9	TU 1341 1639 +7.2	
LU	1915 2210 -7.4	MA 1948 2245 -6.0	
2	0108 0411 +9.7	17 0132 0442 +6.4	
	0735 1041 -8.4	0745 1100 -6.5	
TU	1403 1659 +8.2	WE 1420 1727 +7.0	
MA	2011 2259 -6.8	ME 2041 2339 -5.4	
3	0201 0500 +8.4	18 0222 0529 +5.1	
	0818 1126 -8.1	0820 1138 -5.9	
WE	1451 1754 +8.3	TH 1501 1817 +6.6	
ME	2114	JE 2146	
4	0015 -6.3	19 0045 -4.8	
	0302 0556 +6.8	0325 0628 +3.8	
TH	0905 1217 -7.6	FR 0859 1227 -5.2	
JE	1544 1855 +8.3	VE 1547 1912 +6.3	
	2226	2303	
5	0125 -5.8	20 0145 -4.4	
	0415 0703 +5.2	0457 0741 +3.0	
FR	0958 1315 -6.8	SA 0949 1326 -4.7	
VE	1641 2002 +8.1	SA 1639 2017 +6.3	
	2343		
6	0244 -5.6	21 0017 0306 -4.4	
	0541 0818 +4.1	0640 0856 +2.8	
SA	1059 1423 -6.1	SU 1053 1434 -4.7	
SA	1741 2114 +8.2	DI 1736 2123 +6.6	
7	0055 0402 -5.8	22 0118 0418 -4.8	
	0706 0940 +3.8	0747 0954 +3.2	
SU	1208 1534 -5.8	MO 1208 1542 -5.1	
DI	1843 2223 +8.6	LU 1836 2221 +7.3	
8	0158 0513 -6.5	23 0209 0515 -5.5	
	0816 1045 +4.0	0832 1045 +4.0	
MO	1320 1640 -5.9	TU 1323 1645 -5.8	
LU	1944 2324 +9.1	MA 1933 2311 +8.0	
9	0252 0612 -7.4	24 0252 0601 -6.2	
	0909 1142 +4.5	0908 1139 +4.9	
TU	1425 1738 -6.2	WE 1423 1728 -6.6	
MA	2039	ME 2025 2350 +8.8	
10	0016 +9.5	25 0329 0640 -6.9	
	0339 0700 -8.0	0942 1222 +5.9	
WE	0954 1228 +5.2	TH 1513 1816 -7.3	
ME	1521 1827 -6.6	JE 2113	
	2128		
11	0100 +9.8	26 0036 +9.4	
	0420 0741 -8.3	0404 0715 -7.4	
TH	1034 1318 +5.8	FR 1015 1301 +6.8	
JE	1609 1911 -7.0	VE 1558 1858 -7.8	
	2212	2157	
12	0139 +9.7	27 0113 +10.0	
	0458 0817 -8.4	0437 0747 -7.8	
FR	1113 1359 +6.4	SA 1050 1340 +7.8	
VE	1653 1951 -7.3	SA 1641 1940 -8.3	
	2253	2239	
13	0214 +9.5	28 0149 +10.5	
	0534 0849 -8.1	0512 0818 -8.1	
SA	1150 1438 +6.9	SU 1127 1419 +8.7	
SA	1735 2031 -7.3	DI 1725 2023 -8.5	
	2332	2322	
14	0249 +9.2		
	0608 0920 -7.7		
SU	1227 1517 +7.1		
DI	1817 2113 -7.0		
15	0010 0324 +8.6		
	0641 0952 -7.3		
MO	1304 1549 +7.3		
LU	1901 2159 -6.6		

Turns	Maximum	reverse	maximum
Day Time	Time Knots	jour heure	heure noeuds
1	0031 0334 +10.9	16 0059 0409 +7.7	
	0701 1004 -8.6	0720 1032 -7.1	
MO	1330 1616 +8.2	TU 1354 1648 +7.2	
LU	1922 2215 -7.5	MA 1955 2253 -6.0	
2	0119 0419 +10.0	17 0144 0457 +6.4	
	0742 1045 -8.7	0752 1108 -6.6	
TU	1415 1706 +8.5	WE 1434 1733 +7.0	
MA	2018 2312 -6.9	ME 2049 2349 -5.4	
3	0212 0509 +8.6	18 0235 0539 +4.9	
	0824 1130 -8.4	0827 1144 -6.0	
WE	1504 1802 +8.6	TH 1516 1823 +6.6	
ME	2121	JE 2152	
4	0011 -6.4	19 0058 -4.9	
	0315 0607 +6.8	0341 0640 +3.6	
TH	0911 1222 -7.9	FR 0907 1238 -5.4	
JE	1557 1902 +8.5	VE 1603 1920 +6.3	
	2232	2305	
5	0129 -5.9	20 0159 -4.7	
	0431 0714 +5.2	0519 0755 +2.8	
FR	1003 1322 -7.1	SA 0956 1337 -5.0	
VE	1654 2010 +8.3	SA 1655 2020 +6.2	
	2347		
6	0251 -5.7	21 0019 0318 -4.8	
	0558 0829 +4.1	0702 0909 +2.6	
SA	1103 1429 -6.4	SU 1058 1446 -5.0	
SA	1755 2121 +8.2	DI 1752 2131 +6.6	
7	0059 0411 -5.9	22 0121 0429 -5.2	
	0724 0946 +3.8	0806 1006 +3.0	
SU	1212 1539 -6.1	MO 1213 1552 -5.4	
DI	1856 2229 +8.6	LU 1850 2230 +7.3	
8	0203 0523 -6.6	23 0213 0525 -5.7	
	0831 1047 +4.0	0849 1055 +3.9	
MO	1324 1646 -6.1	TU 1328 1653 -6.1	
LU	1955 2329 +9.0	MA 1945 2316 +8.1	
9	0257 0621 -7.3	24 0256 0606 -6.2	
	0924 1151 +4.6	0923 1148 +4.9	
TU	1430 1743 -6.5	WE 1430 1733 -6.7	
MA	2050	ME 2036	
10	0020 +9.4	25 0003 +8.9	
	0344 0709 -7.9	0334 0648 -6.7	
WE	1008 1240 +5.2	TH 0956 1230 +5.9	
ME	1526 1831 -6.9	JE 1520 1823 -7.3	
	2138	2123	
11	0104 +9.6	26 0042 +9.6	
	0426 0749 -8.1	0409 0721 -7.1	
TH	1047 1324 +6.0	FR 1028 1308 +7.0	
JE	1615 1915 -7.2	VE 1606 1905 -7.9	
	2222	2207	
12	0143 +9.7	27 0118 +10.4	
	0504 0824 -8.0	0444 0752 -7.6	
FR	1125 1405 +6.6	SA 1102 1346 +8.1	
VE	1659 1955 -7.4	SA 1649 1946 -8.3	
	2302	2249	
13	0220 +9.7	28 0154 +10.9	
	0540 0856 -7.7	0518 0822 -8.3	
SA	1202 1444 +7.0	SU 1138 1425 +9.0	
SA	1742 2036 -7.4	DI 1733 2028 -8.5	
	2341	2332	
14	0255 +9.5		
	0615 0927 -7.4		
SU	1239 1524 +7.3		
DI	1825 2118 -7.1		
15	0019 0331 +8.8		
	0648 0958 -7.3		
MO	1317 1605 +7.4		
LU	1908 2157 -6.6		

Day Time	Metres	Feet	jour heure	mètres pieds
1	0040	1.1	3.6	16 0102 1.9 6.2
	0759	4.3	14.1	0806 4.1 13.5
MO	1415	2.7	8.9	TU 1518 2.3 7.5
LU	1903	3.5	11.5	MA 2017 3.2 10.5
2	0114	1.5	4.9	17 0133 2.3 7.5
	0832	4.3	14.1	0833 4.0 13.1
TU	1544	2.3	7.5	WE 1548 2.1 6.9
MA	2016	3.3	10.8	ME 2139 3.2 10.5
3	0151	1.9	6.2	18 0206 2.7 8.9
	0905	4.3	14.1	0854 3.9 12.8
WE	1650	2.0	6.6	TH 1633 1.9 6.2
ME	2153	3.2	10.5	JE 2315 3.2 10.5
4	0233	2.4	7.9	19 0251 3.1 10.2
	0940	4.3	14.1	0905 3.8 12.5
TH	1751	1.6	5.2	FR 1729 1.7 5.6
JE	2346	3.2	10.5	VE
5	0326	2.9	9.5	20 0109 3.4 11.2
	1018	4.2	13.8	0436 3.3 10.8
FR	1849	1.3	4.3	SA 0918 3.7 12.1
VE				SA 1828 1.6 5.2
6	0126	3.5	11.5	21 0303 3.6 11.8
	0442	3.3	10.8	0607 3.5 11.5
SA	1102	4.1	13.5	SU 0944 3.7 12.1
SA	1944	1.0	3.3	DI 1923 1.4 4.6
7	0241	3.8	12.5	22 0314 3.8 12.5
	0616	3.5	11.5	0716 3.5 11.5
SU	1156	4.0	13.1	MO 1025 3.6 11.8
DI	2037	0.8	2.6	LU 2012 1.2 3.9
8	0333	4.0	13.1	23 0336 3.9 12.8
	0822	3.6	11.8	0802 3.5 11.5
MO	1259	3.9	12.8	TU 1159 3.6 11.8
LU	2128	0.7	2.3	MA 2057 1.1 3.6
9	0414	4.1	13.5	24 0404 3.9 12.8
	0933	3.5	11.5	0836 3.4 11.2
TU	1403	3.9	12.8	WE 1340 3.6 11.8
MA	2215	0.6	2.0	ME 2138 0.9 3.0
10	0450	4.1	13.5	25 0433 4.0 13.1
	1022	3.4	11.2	0909 3.3 10.8
WE	1500	3.9	12.8	TH 1441 3.8 12.5
ME	2259	0.6	2.0	JE 2215 0.9 3.0
11	0524	4.1	13.5	26 0503 4.0 13.1
	1108	3.3	10.8	0947 3.1 10.2
TH	1551	3.9	12.8	FR 1533 3.9 12.8
JE	2336	0.8	2.6	VE 2245 0.9 3.0
12	0558	4.2	13.8	27 0533 4.1 13.5
	1154	3.1	10.2	1032 2.8 9.2
FR	1639	3.8	12.5	SA 1623 3.9 12.8
VE				SA 2311 1.0 3.3
13	0003	0.9	3.0	28 0602 4.1 13.5
	0631	4.2	13.8	1125 2.6 8.5
SA	1346	2.9	9.5	SU 1715 3.9 12.8
SA	1726	3.7	12.1	DI 2339 1.3 4.3
14	0015	1.2	3.9	
	0703	4.2	13.8	
SU	1421	2.7	8.9	
DI	1815	3.5	11.5	
15	0			

February 2021

Point Atkinson

Day	Time	Metres	Feet	jour	heure	mètres	pieds
1	0128	1.0	3.3	16	0152	1.9	6.2
	0828	4.8	15.7		0831	4.5	14.8
MO	1441	2.6	8.5	TU	1512	2.2	7.2
LU	1948	3.8	12.5	MA	2053	3.6	11.8
2	0208	1.5	4.9	17	0226	2.4	7.9
	0859	4.8	15.7		0854	4.4	14.4
TU	1535	2.2	7.2	WE	1555	2.0	6.6
MA	2100	3.6	11.8	ME	2210	3.5	11.5
3	0252	2.0	6.6	18	0303	2.8	9.2
	0932	4.7	15.4		0917	4.2	13.8
WE	1631	1.9	6.2	TH	1640	1.9	6.2
ME	2230	3.6	11.8	JE	2345	3.6	11.8
4	0342	2.5	8.2	19	0349	3.2	10.5
	1007	4.7	15.4		0941	4.1	13.5
TH	1727	1.5	4.9	FR	1729	1.7	5.6
JE				VE			
5	0018	3.7	12.1	20	0121	3.7	12.1
	0447	3.1	10.2		0504	3.5	11.5
FR	1045	4.5	14.8	SA	1011	4.0	13.1
VE	1825	1.2	3.9	SA	1822	1.6	5.2
6	0202	3.9	12.8	21	0238	3.9	12.8
	0614	3.5	11.5		0707	3.7	12.1
SA	1130	4.4	14.4	SU	1051	3.9	12.8
SA	1923	1.0	3.3	DI	1917	1.5	4.9
7	0320	4.2	13.8	22	0333	4.1	13.5
	0751	3.7	12.1		0844	3.6	11.8
SU	1224	4.2	13.8	MO	1150	3.8	12.5
DI	2020	0.8	2.6	LU	2011	1.3	4.3
8	0418	4.5	14.8	23	0415	4.3	14.1
	0912	3.6	11.8		0937	3.6	11.8
MO	1328	4.2	13.8	TU	1302	3.8	12.5
LU	2115	0.7	2.3	MA	2102	1.1	3.6
9	0503	4.6	15.1	24	0449	4.4	14.4
	1012	3.5	11.5		1012	3.5	11.5
TU	1434	4.2	13.8	WE	1414	3.9	12.8
MA	2205	0.6	2.0	ME	2148	0.9	3.0
10	0542	4.7	15.4	25	0520	4.5	14.8
	1059	3.4	11.2		1044	3.3	10.8
WE	1535	4.2	13.8	TH	1516	4.0	13.1
ME	2251	0.6	2.0	JE	2231	0.8	2.6
11	0616	4.7	15.4	26	0547	4.5	14.8
	1143	3.2	10.5		1118	3.1	10.2
TH	1629	4.2	13.8	FR	1613	4.1	13.5
JE	2332	0.7	2.3	VE	2311	0.8	2.6
12	0646	4.7	15.4	27	0613	4.6	15.1
	1225	3.0	9.8		1155	2.8	9.2
FR	1719	4.1	13.5	SA	1707	4.2	13.8
VE				SA	2350	0.9	3.0
13	0010	0.9	3.0	28	0639	4.7	15.4
	0715	4.7	15.4		1236	2.5	8.2
SA	1307	2.8	9.2	SU	1802	4.2	13.8
SA	1807	4.0	13.1	DI			
14	0045	1.1	3.6				
	0741	4.6	15.1				
SU	1349	2.6	8.5				
DI	1857	3.8	12.5				
15	0119	1.5	4.9				
	0807	4.6	15.1				
MO	1430	2.4	7.9				
LU	1950	3.7	12.1				

The snowy Dome on Maurelle (January 2020)



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