

**PQBWMA Brant Count 2024**  
**Parksville Qualicum Beach Wildlife Management Area**  
**Estimated Daily Brant Count Report – 2024**

By the  
Arrowsmith Naturalists  
For  
THE MOUNT ARROWSMITH BIOSPHERE REGION RESEARCH  
INSTITUTE

Elizabeth Bredberg, PhD  
Count Coordinator and Compiler

The 2024 **Brant Primary Counts** covered the full length of the Parksville Qualicum Beach Wildlife Management Area (PQBWMA). Eleven primary counts (Table 1) took place weekly from February 27 through May 7. The PQBWMA was divided into three areas and each was assigned a team of 2 – 4 observers. All team counts were within the same two-hour window to avoid double counting where possible. Counts were ideally taken just above low tide, when food sources were exposed on the beach or floating in shallow water.

**Count locations** included the following named places which were also used in previous counts within the PQBWMA and Strait of Georgia (SOG).

**Area 1:** Little Qualicum River Estuary, Surfside Dr. West and East, Kincade Rd., Qualicum Beach viewing stand, Seaside Nature Park (SNP), Qualicum Beach.

**Area 2:** Seacrest Place, Butterball Dr, Johnstone Rd, Admiral Tryon Blvd. East and West, Columbia Beach, French Creek Marina.

**Area 3:** Parksville Community Park (PCP), Parksville Bay, Englishman River mouth, Mariner Way, Craig Bay, Rathtrever Provincial Park, Brant Point, Madrona Point.

**There were 21 Brant Count volunteer observers who contributed various amounts of time:**

Sandra Gray (SG), Dan Gray (DG), Tom Constable (TC), Tom Whitfield (TW), Helen Davidson (HD), Bonnie Mullin (BM), David Erickson (DE), Duncan Campbell (DC), Toni Wyckoff (TW), Claire Summers (CS), Dennis Horwood (DH), Brenda Horwood (BH), Liz Thorne (LT), Jim Thorne (JT), Liz Bredberg (LB), Marilyn Bilsbarrow (MB), Gene Gapsis (GG), Catherine Watson (CW), Meghan MacIsaac (MM), Manon Fontaine (MM), Jane Osborne (JO).

In addition to the primary counts, **Incidental Counts** (Appendix 1) were conducted by individuals or small groups of observers. They recorded Brant numbers during visits to the PQBWMA shores January through April. Incidental counts also include sightings reported on eBird.

Also, this year we were fortunate to have a **daily Brant count** on Rathtrever Beach, one of the major eelgrass forage sites in the PQBWMA, from Feb. 21 to Apr. 03, courtesy of Duncan Campbell (Appendix 2).

**Brant Count 1:****Total Brant counted: 344****Date: 27 February 2024****Time: 13:00-14:00****Number of observers: 15**

Weather: Snow initially, which abated by 13:30, windy, poor visibility

**Area 1: 6 brant counted****Area 2: 26 brant counted****Area 3: 312 brant counted**

2 mixed rafts of approximately 400 scoters in Parksville bay

No walkers or dogs observed, possibly due to weather conditions.

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**Brant Count 2****Total Brant counted: 527****Date: 5 March 2024****Time: 13:30-15:30****Number of observers: 13**

Weather: sun/cloud, light wind, choppy seas

**Area 1: No Brant observed**, gulls and sea lions on the sandbar at the mouth of the river, common goldeneyes, common mergansers, pintails, buffleheads, mallards and American wigeons. 1 walker with small dog on leash**Area 2: 7 brant counted**, a gull frenzy at herring ball at the mouth of French Creek. 200 Dunlin counted, 100 wigeon, mixed flocks of mallards and wigeons. At Seacrest 1 dog scattered gulls and loons**Area 3: 520 brant counted**, 475 at Rath Trevor Beach, 45 seen flying southward at Mariner Way. There was a raft of approximately 1500 scoters in Parksville bay. 5 people were walking at Rath Trevor Beach. No. of observers: 13

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**Brant Count 3:****Total Brant counted: 668****Date: 12 March 2024****Time: 13:30– 15:30****No. of observers: 13**

Weather: mostly clear, light wind, light chop on sea

**Area 1: 137 brant counted.** Herring spawn between Seaside Nature Park and Kincade Road. At Seaside Nature Park, 108 brant observed, 3 rafts of scoters, 3-400 pacific loons diving and active in spawn. Off Kincade, 21 brant observed, 2 rafts of sea lions. 8 brant counted at Surfside East.**Area 2: 87 brant counted** flying southward at Admiral Tryon Pond. 8 people on beach, 3 dogs off leash spooked scoters.**Area 3: 404 brant counted.** 200 counted at Rath Trevor, 4 in flight at Mariner Way, 200 at Parksville Bay.

Rath Trevor: 200 dunlin, scoters, gulls, mixed raft of scaups and scoters. 4 walkers near tideline.

Parksville Bay: 2 rafts of approximately 400 scoters in bay, 15 snow geese in park

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**Total brant counted: 943**

**Brant Count 4:**

**Date: 19 March 2024**

**Time: 13:30-15:30**

**No. of observers: 14**

**Weather:** clear, mild, light breeze, slight chop on sea

**Area 1:**

**Total brant counted in area: 18**

18 brant observed on distant sandbar among gulls, sea lions and pintails

**Area 2:**

**Total brant counted in area: 522**

- French Creek: 0 brant; 2 pigeon guillemots
- Admiral Tryon West: 8 brant flying north; ~300 scoters and greater scaups mixed
- Admiral Tryon East: ~350 brant; very large flock of gulls
- Johnstone Rd: ~150 brant; 6 Greater yellowlegs, very large flock of gulls
- Butterball: 0 brant; very large flock of gulls
- Seacrest: 14 brant flying south; very large flock of gulls

**Area 3:**

**Total brant counted in area: 444**

- Rathtrevor beach, Brant Point: 80 brant observed, scattered by eagle. 35 people on beach, several dogs on leash along path, 600 + gulls, 30 + goldeneyes, buffleheads, grebes.
- Mariner Way: 19 brant; 30+ goldeneyes, 1 common merganser, 10 surf scoters flying, ~20 wigeon, 3 white-winged scoters flying, few gulls, 1 seal
- Community Park, Parksville Bay: 335 brant. 3 Canada geese, American wigeons, 1 Eurasian wigeon, 2 gadwall, 30+ mallards, raft of scoter sp., 1 kingfisher

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**Brant Count 5:**

**Total Brant counted: 2092**

**Date: 26 March 2024**

**Time: 12:00-14:00**

**No. of observers: 14**

**Weather: sunny, mild, light breeze, glare on sea impeded visibility**

**Area 1:**

**Total brant counted in area: 92**

- Kincaid: 2 scoters, flying south 2 rafts of approx. 3000 scoters, scaups, bufflehead, Mergansers , 1 loon sp, 2 Great blue herons
- Surfside west: 90 brant, 2 Great blue herons, 2 red-breasted mergansers, 2 hooded mergansers
- Surfside east: 0 brant

**Area 2:**

**Total brant counted in area: 1890**

- French Creek Marina east side: 10 brant, 3 pelagic cormorants, eagles, 1 harbour seal, California sea lions, 2000 gull sps, common loon, western grebes, white winged scoters in flight
- French Creek Marina west side: gulls, 300+ American wigeons (spooked by eagle, flew off to the north)
- Columbia Beach, 400 American wigeons (likely includes the birds from FC Marina west), 6 Pacific, common loons, 4 red-breasted mergansers, 18 double-crested cormorants in flight, scaup, oyster catcher, 40 buffleheads, 1000 gulls
- Admiral Tryon Pond: 1800 brant, 800+ gull sp., scoters buffleheads, wigeons, mallards
- Butterball Beach: 80 brant, Great Blue Heron, Bonaparte gulls, surf scoters, yellowlegs, eagle

**Area 3:**

**Total brant counted in area: 110**

- Rath Trevor: very low tide, 60 brant 3 great blue herons, gulls, many people on beach, 21 at waterline. No dogs.
- Mariner way: gadwall, wigeons, 1 oystercatcher, 2 killdeer, gulls in estuary
- Parksville beach: 50 brant landed at east end of beach, several mergansers, 1 eagle, bufflehead, goldeneyes, few cormorants flew past.

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**Brant Count 6:**

**Total brant counted: 1942**

**Date: 2 April 2024**

**Time: 13:25-15:10**

**Number of observers: 10** Numbers of participants were reduced, so the 3 zones of count were divided into two areas.

**Weather:** initially overcast, light breeze increased, cold rain and wind by end of count

**Zones 1 and 2:** Johnstone Rd to Surfside Dr. E

**Total brant counted in area: 1300**

- Johnstone Rd: 150 Brant  
2 Greater Yellowlegs, crows, 1 purple finch, Bewick's wren, gulls, eagle
- Butterball: 0 brant, 148 wigeon, 2 seals,
- Seacrest: 0 brant. gulls, crows, dabblers
- QB viewing stand: mix of scoters (60%), and scaup (40%)—20,000, 600+ gulls, crows
- Surfside Dr. E 1150 brant, 250 dunlin, Black turnstones, 200+ scoters, Scattered divers and dabblers, 240 wigeons, 3200 gulls

**Zones 2 and 3**

Rath Trevor Beach, Brant Point to Admiral Tryon West

**Total brant counted in area: 642**

- Rath Trevor: 500 brant. Tide low, brant in 3 groups at water's edge, gulls, no dogs noted, 8 people on beach
- Mariner Way: 60 brant. In four small groups flying south, 12 brant on gravel bar
- Parkville Beach: 70 brant, flew in from the south, mallards, buffleheads, gulls, mergansers 3 eagles
- French Creek East: 0 Brant, gulls, rain beginning, wind increasing
- French Creek West: 0 Brant, gulls, crows, wigeons, rain increasing
- Columbia Beach: 0 Brant, 6 oystercatchers.
- Admiral Tryon W: 0 Brant, no eagles, 3 crows, visibility poor due to rain and wind

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**Brant Count 7:**

**Total Brant counted: 1687**

**Date: 9 April 2024**

**Time: 10:15-11:35**

**Weather:** 9C, brisk breeze, clear, good visibility

**Number of observers:** 12

**Zone 1:** North area: from Qualicum Beach Viewing Stand north to the mouth of the Little Qualicum River.

Total number of brant counted in area: 80

No rafts of ducks observed.

- Beach creek: gulls, 2 buffleheads
- Viewing Stand: Few gulls, mallards, 1 eagle flying
- Kincade: 1 juvenile bald eagle, few gulls, small flock dunlin, few scoters flying
- Surfside E: Few gulls, group of mergansers on water
- Surfside W: few gulls, few wigeons, dunlin, few scoters in flight

**Zone 2:** Central area: from French Creek Marina to south end of Seacrest

Brant counted: 60

- FC Marina S: 30 Bonapartes gulls, 3 c. mergansers
- FC Estuary: Gulls, wigeons, mallards
- Columbia Beach: 10 eagles, 6 RB mergansers, 40 bufflehead,
- Tryon Pools: 30 eagles
- Butterball E: 22 eagles
- Butterball W: 2 gadwall, 6 Bonaparte gulls, 12 American wigeons, 1 Eurasian wigeon, 100 scoters, 2 eagles
- Seacrest: 4 eagles, 4 dunlin, 2 black-bellied plovers, gulls, 1 Anna's hummingbird

**Zone 3:** South area: Rath Trevor Beach, Brant point, West end of Mariner Way, Parksville Bay

Onshore N breeze 8-10k, lots of sand showing at Rath Trevor with brant on the back of the gravel bars. Very few people on the beaches, one dog off leash at Parksville Bay. Very few diving ducks & gulls, most have likely gone north to breeding grounds.

Total number of brant counted in area: 1547

- Rath Trevor/Craig Bay/Brant Point: 500 brant feeding at waterline with scattered gulls, 450 brant close to Brant Pt.

- Mariner Way: 270 brant at mouth of Englishman River
- Parksville Community Park: about 270 brant in the bay feeding with gulls mid-bay. 57 brant in front of Surfside RV Resort, 25 Bufflehead, scoters flying up and down Salish Sea.

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**Brant Count 8:****Total Brant counted: 630****Date: 16 April 2024****Time: 13:20-15:30****Weather:** Clear, light wind, choppy sea**Number of observers: 11**

**Zone 1:** North area: from Qualicum Beach Viewing Stand north to the mouth of the Little Qualicum River.

Total brant observed: 30

- QB viewing stand: 0 Brant, gulls, 15 American wigeons
- Qualicum Beach: 0 Brant, gulls, 12 dunlin,
- Kincade: 0 Brant, gulls, 40 bufflehead, 2 red-breasted mergansers, mallards, 50 wigeons, 2 northern pintail
- E. Surfside 30 Brant

**Zone 2:** Central area: from French Creek Marina to south end of Seacrest

No brant observed

- French Creek mouth: 0 Brant, 150+ American wigeon, 4 killdeer, mallard, gulls
- Adm. Tryon E: 0 brant, Bonaparte's gulls, group of red-breasted mergansers huntin
- Adm. Tryon W. 0 Brant, gulls, wigeon, incubating eagle
- Butterball: 0 Brant, 225+ dunlin, 10+ turnstones, more gulls and wigeon, 1 kestrel
- Seacrest: 0 Brant, 145+ dunlin, turnstones and wigeon mixed with gulls

**Zone 3:** South area: Rath Trevor Beach, Brant point, West end of Mariner Way, Parksville Bay

Total number of brant counted in area: 600

- Rath Trevor Beach, 600 Brant, 2 Great Blue Herons, 4 Harlequin ducks, 1 oyster catcher
  - Mariner Way: 0 Brant, 1 GB heron, 4 harlequins, 1 oyster catcher
  - PV Park: 0 Brant, 1 GB heron, mallards
    - 1 unleashed dog, owners left when told they shouldn't have dogs on beach
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**Brant Count 9:**

**Total brant counted: 23**

**Date: 23 April 2024**

**Time: 11:15-12:30**

**Weather:** clear, light breeze, calm sea, then rippled

**No. of observers: 14**

**Zone 1:** North area: from Qualicum Beach Viewing Stand north to the mouth of the Little Qualicum River.

Total brant counted in area: 3 flying near Surfside Dr.

- Seaside Nature Park: bufflehead, horned grebes in breeding plumage, red-breasted mergansers hunting, common loons, few gulls
- Surfside Dr. E. 3 brant flying, 25+ bufflehead, 18 red-breasted mergansers, 19 horned grebes, 23+ pacific loons, 6 common loons, gonaparte's gulls, scattered gulls—gull numbers down considerably

**Zone 2:** Central area: from French Creek Marina to south end of Seacrest

Total brant counted in area: 0

- French Creek Marina, west side: Bonaparte's gulls, loons, 5 murrelets, horned grebes, red necked mergansers, common mergansers
- French Creek Marina, east side: common mergansers, mallards, 2 killdeer
- Columbia Beach: Great Blue Heron, 4 murrelets, gulls, loons, mallards, Bonaparte's gulls
- Admiral Tryon West: bald eagle, crows, yellowlegs. 1 pedestrian
- Johnstone St.: cormorant sp., loon, mallard, greater yellowlegs
- Butterball: 2 Bald eagles, crows, loons, c. mergansers
- Seacrest: 1 bald eagle

**Zone 3:** South area: Madrona Point, Rath Trevor Beach, Brant point, West end of Mariner Way, Parksville Bay

Total brant counted in area: 20

- Rath Trevor: 20 brant, common mergansers, 1 loon sp
  - Mariner Way: 0 brant
  - City Park: 0 brant, loons, 1 lesser yellowlegs.
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**Brant Count 10:**

**Total brant counted: 4**

**Date: 30 April 2024**

**Time: 13:00-15:15**

**Weather:** 10-12 C, light breeze, sunny

**No. of observers: 9**

**Zone 1:** North area: from Qualicum Beach Viewing Stand north to the mouth of the Little Qualicum River.

Total brant counted in area: 0

- Beach Creek: few gulls
- Qualicum Beach Viewing stand: +/- 25 horned grebes, gulls, mallards, 4 Great Blue Herons
- Kincade: Buffleheads, 1 Great Blue Heron, small flock (~20) dunlin
- Surfside E: Buffleheads, gulls, 2 horned grebes, 1 killdeer, seals, 1 sea lion, 8 surf scoters flying eastward, 1 boat in the Qualicum River estuary

**Zone 2:** Central area: from French Creek Marina to south end of Seacrest

Total brant counted in area: 0

- French Creek Marina East: 40 Bonaparte's gulls, 1 pigeon guillemot, bald eagle
- French Creek Marina West: Great Blue Heron, 3 house finch
- Columbia Beach: 6 bufflehead, 1 pedestrian, 1 dog
- Admiral Tryon E: crows, 2 pedestrians, 1 dog
- Johnstone Rd.: 1 common loon, 2 bald eagles, crows, 3 oystercatchers
- Butterball: 2 pedestrians with 1 off-leash dog, 16 red-breasted mergansers, 1 great blue heron, 1 common loon, mixed flock of gulls including Bonapartes', glaucous winged gulls, short bills,
- Seacrest: 3 pigeon guillermots, loon, Bonapartes', 2 mallards

**Zone 3:** South area: Rath Trevor Beach, Brant point, West end of Mariner Way, Parksville Bay

Total brant counted in area: 4

- Parksville Beach: lots of sand showing, 1 loose dog on beach scattered 20 gulls, no divers or dabblers seen, 3 orcas close in—just off the sandbar at Arbutus Point, headed toward river mouth
- Mariner Way: 1 group of about 20 pacific loons, a few common loons, no other divers or dabblers seen
- Rath Trevor: low tide with very few people on the extensive sandflats. About 220 gulls along the waterline, 2 great blue heron, no brant seen. 21 white-fronted geese

overhead headed toward the Englishman River Estuary. Five more orcas seen, possible part of group seen earlier, along the West shore of Ballenas Island N.

- Madrona Point: Four brant on the back of the sandbar close to Brant Point, 3 common loons, 2 pigeon guillemot, scattered gulls, 2 black oystercatchers, very few birds observed.

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**Brant Count 11:**

**Total brant counted: 4**

**Date: 7 May 2024**

**Time: 14:15-15:30**

**Weather:** sunny, light wind, choppy sea

**No. of observers: 7**

**Zone 1:** North area: from Qualicum Beach Viewing Stand north to the mouth of the Little Qualicum River.

Total brant counted in area: 0

- Viewing stand: 1 pedestrian, 2 off-leash dogs, 1 great blue heron, gulls
- Qualicum beach: 5 great blue herons, 2 oystercatchers, gulls, 1 pedestrian, one off-leash dog
- Kincaid: kildeer, 1 oystercatcher, gulls, 2 bald eagles, 1 violet-green swallow
- W. Surfside Drive: 2 oystercatchers, 1 loon sp., gulls

**Zone 2:** Central area: from French Creek Marina to south end of Seacrest

Total brant counted in area: 0

- French Creek Marina: Bonaparte's gulls
- Butterball: 16 c. mergansers hunting

**Zone 3:** South area: Rathtrevor Beach, Brant Point, west end of Mariner Way, Parksville Beach

Total brant counted in area: 4

- Rathtrevor Beach: very low tide, scattered gulls, 1 great blue heron
- Mariner Way: 4 brant, gulls, ducks on sand bar
- Parksville Community Park: 8 c. mergansers, 1 great blue heron, 1 common loon

## **Brant Count Volume for 2024**

Because brant may stay in the PQBWMA for 1 – 2 days or as long 2 weeks, we cannot use the total count of all brant reported as seen on all our Brant Counts. Instead, we take the yearly total on 6 peak counts and regress the volume according to a method provided by Sean Boyd, Environment Canada.

All brant counted in 2024, during the 11 primary counts = **8914**

The sum of the six peak counts: = **7962**

**Regressed volume for 2024 = 5734** ( $7962 \times 0.67 + 400$ )

Regressed volumes for 9 peak counts:

2015 = 9091	2019 = 5586
2016 = 4710	2020 = 6597
2017 = 12,202	2021 = 5625
2018 = 12,693	2022 = 3761
2023 = 3646	

Brant volumes peaked the last week of March to the third week of April then dropped off dramatically.

## **Herring Spawn**

Each spring along the shores of the Strait of Georgia, Pacific Herring broadcast roe on eelgrass and adjacent beaches, providing a pulse of nutrients for migrating waterbirds. The Herring spawn starts at the beginning of March and continues over three weeks. Spawning can take place over a wide region, from Comox to Duncan.

Spawning activity along the PQB WMA began Mar. 12, from Little Qualicum River to Columbia Beach for approximately one week. Commercial Seine Fishery was from March 13 – 15<sup>th</sup>.

**Disturbances to wildlife.** Disturbances to feeding brant by walkers and dogs, on and off leash, continues to be a problem. Improved signage at beach accesses and public education seems to have reduced the number of dogs on the beaches but there are still numerous disturbances by people walking the beach at low tide, totally unaware they are chasing up the birds before them.

Bald Eagles are also a source of frequent disturbances.

**Mileage.** Mileage was calculated by determining the round-trip distance from Wembley Mall, Parksville to the survey sites. **Total mileage for 11 primary counts= 1435 Km.**

**Survey hours.** Coordination and compiling time **20 hr.**

**Total person hours** of observation for the eleven primary counts were approx. **195 hours.**

Total time for daily Rathtrevor Beach counts from Feb. 21 to Apr. 03 was approx. **20 Hrs.**

**Total volunteer hours = 235**

**Thank you to all volunteer observers and incidental contributors from the Arrowsmith Naturalists.**

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Count organiser and compiler, 2024**

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**APPENDIX 1 INCIDENTAL BRANT SIGHTINGS  
AUTUMN 2023-SPRING 2024**

<b>Fall2023- Spring2024</b>		<b>INCIDENTAL BRANT SIGHTINGS</b>	
<b>date</b>	<b>time</b>	<b>Location - misc</b>	<b>Brant counts</b>
2023-10-05	1000	Rathtrevor- ebird	30
2023-11-21	0930-1200	Rathtrevor -ebird.	260
2023-12-17	All day	Parksville Qualicum Beach (BCPQ) Count Circle	149
2024-01-01	1030-1230	Parksville Com Park SG	80+
2024-01-03		1145 Resort Drive-eBird	120
2024-01-03	1500	Rathtrevor ebird	64
2024-01-04	1150	Parksville Com Park SG	285
2024-01-15		Craig Bay, David Helem	20
2024-01-21	1330	Rathtrevor, Yana Maltais	12
2024-01-25	1430-1445	Rathtrevor SG	38
2024-01-28	1125-1145	PV Com Park SG	25
2024-01-30	1400	Rathtrevor, Yana Maltais	12
2024-02-06	1500	Rathtrevor, S & DG flock out on Strait	88
2024-02-06	1250-1500	Rathtrevor, Brant Pt SG	68
2024-02-07		PV Com Park, eBird	10
2024-02-12	1230-1430	Rathtrevor SG	109
2024-02-13	1400	Rathtrevor, SG, LB	199
2024-02-19	Morning	Offshore Englishman River Estuary, Jim Goodwin	54
2024-02-20		Rathtrevor, Jim Goodwin	30
2024-02-22		Englishman River Estuary-eBird	57
2024-02-23	1230	Rathtrevor, Yana Maltais	60
2024-02-23	1230-1430	Rathtrevor from Madrona Pt SG	90
2024-02-24	1000	Rathtrevor-eBird	60
2024-02-25	1100	Nanoose Bay-eBird	40
2024-02-25	1300	Rathtrevor-eBird	7

2024-02-26		Rathtrevor-eBird	200
2024-02-26	1445	Tryon Ponds LB	60
2024-02-27		Rathtrevor-eBird	96
2024-02-27		Rathtrevor-eBird	10
2024-02-29		Englishman River Estuary-eBird	24
2024-02-29		Rathtrevor-eBird	120
2024-03-02	1500	Tryon Ponds, LB	300
2024-03-04	1320	Parksville Community Park Beach, CS	350
2024-03-10	1130-1415	LQ Estuary, W end of Surfside Dr SG	90
2024-03-11	11:00	Craig Bay to Rathtrevor, David Helem	120
2024-03-12	0900	Englishman River Estuary, Plummer side-eBird	125
2024-03-13	1100	Mouth of Englishman River, LB	36
2024-13-03	1443	Rathtrevor, LB	200
2024-03-13	1400	Rathtrevor-eBird	350
2024-03-13	1400	Mallard Rd-eBird	125
2024-03-14	1300	Columbia Beach-eBird	300
2024-03-14	1100	Qualicum Beach Viewing Platform-eBird	266
2024-03-14	1230-1430	Seaside Nature Park SG	64
2024-03-15	1300	Rathtrevor-eBird	65
2024-03-15	1100	Qualicum Beach-eBird	200
2024-03-15	1700	Nanoose Bay, Wall Beach-eBird	16
2024-03-15	1400	Qualicum Beach Surfside-eBird	158
2024-03-16	1300-1600	LQ Estuary, Surfside Dr. E SG	225
2024-03-16	1400	Ada Inlets, Gene Gapsis	15
2024-03-16	1400	French Creek Mouth-eBird	60
2024-03-17	1500	Rathtrevor, SG2	69
2024-03-17	1300	Nanoose Bay-eBird	8
2024-03-18	1400	Parksville Bay, Sue Wilson	300
2024-03-18	1700	Parksville Bay-eBird	328
2024-03-18	0900	LQ River, Surfside-eBird	14
2024-03-18		Craig Bay, David Helem	120

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**APPENDIX 2**  
**Incidental Count Rathtrevor and Tigh-Na-Mara**  
**Courtesy of Duncan Campbell**

<b>Date</b>	<b>Brant Count</b>	<b>Where</b>	<b>Time</b>	<b>% beach showing</b>
01-26-24	30	Brant Pt	900	5
01-27-24	40	Brant Pt	1200	10
01-28-24	20	Brant Pt	1630	10
01-29-24	90	TNM	1500	40
01-30-24	45	TNM	1230	40
01-31-24	80	TNM	1330	20
02-01-24	0			
02-02-24	0			
02-03-24	90	TNM	1630	80
02-04-24	100	TNM	1630	90
02-05-24	100	Brant Pt	1630	80
02-06-24	100	Brant Pt	1600	50
02-07-24	20	Brant Pt	1600	50
02-08-24	0			0
02-09-24	0			0
02-10-24	no observation			
02-11-24	60	Brant Pt	1400	10
02-12-24	no observation			
02-13-24	15	TNM	1230	60
02-14-24	no observation			
02-15-24	no observation			
02-16-24	60	Brant Pt	1300	30
02-17-24	20	Brant Pt		
02-18-24	25	Brant Pt	1520	60
02-19-24	0		1700	90
02-20-24	0		1700	80
02-21-24	0		1100	20
02-22-24	15	Brant Pt	1600	10
02-23-24	20	Brant Pt	1300	20
02-24-24	no observation			
02-25-24	no observation			
02-26-24	20	Brant Pt	1300	40
02-27-24	350		1700	50
02-28-24	400	TNM	1300	70
02-29-24	400	TNM	1200	50
03-01-24	250	TNM	1300	50
03-02-24	180	TNM	1300	70
03-03-24	no observation			
03-04-24	210	TNM	1300	60
03-05-24	510	TNM	1600	70
03-06-24	400	TNM	1500	30
03-07-24	180	TNM	1700	50



03-08-24	100	TNM	1700	20
03-09-24	no observation			
03-10-24	150	TNM	1300	50
03-11-24	120	TNM	1200	60
03-12-24	250	TNM	1200	50
03-13-24	250	TNM	1200	50
03-14-24	0		1500	80
03-15-24	150	TNM	1600	100
03-16-24	20	Brant Pt	1500	70
03-17-24	250	TNM	1400	50
03-18-24	240	TNM	1600	80
03-19-24	0			
03-20-24	0			
03-21-24	0			
03-22-24	0			
03-23-24	0			
03-24-24	130	TNM	1000	30
03-25-24	30	TNM	1200	50
03-26-24	10	TNM	1200	70
03-27-24	160	TNM	1100	40
03-28-24	150	TNM	1700	50
03-29-24	10	TNM	1200	50
03-30-24	60	TNM	1400	50
03-31-24	240	TNM	1600	90
04-01-24	30	TNM	1500	100
04-02-24	140	TNM	1600	100
04-03-24	20	Brant Pt	1200	30
04-04-24	900	TNM	900	30
04-05-24	1100	TNM	900	30
04-06-24	1400	TNM	1300	50

Brant Point--Rathtrevor Beach

TNM-Tigh-Na-Mara