

Transits of the Northwest Passage to End of the 2014 Navigation Season

Atlantic Ocean ↔ Arctic Ocean ↔ Pacific Ocean

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The earliest traverse of the Northwest Passage was completed in 1853 but used sledges over the sea ice of the central part of Parry Channel. Subsequently the following 220 complete maritime transits of the Northwest Passage have been made to the end of the 2014 navigation season before winter began and the passage froze. These transits proceed to or from the Atlantic Ocean (Labrador Sea) in or out of the eastern approaches to the Canadian Arctic archipelago (Lancaster Sound or Foxe Basin) then the western approaches (McClure Strait or Amundsen Gulf), across the Beaufort Sea and Chukchi Sea of the Arctic Ocean, from or to the Pacific Ocean (Bering Sea) through the Bering Strait. The Arctic Circle is crossed near the beginning and the end of all transits unless they proceed to the west coast of Greenland. The routes and directions are indicated. Complements of a few vessels left them for winter to return in a later navigation season. Details of submarine transits are not included because only two have been reported (1960 USS *Sea Dragon*, Capt. George Peabody Steele, West 1 and 1962 USS *Skate*, Capt. Joseph Lawrence Skoog, East 1) and they do not need to navigate through ice.

Seven routes have been used for transits of the Northwest Passage with some minor variations (for example through Pond Inlet and Navy Board Inlet) and two composite courses in summers when ice was minimal (transits 153 and 170). These are shown on the attached map and proceed as follows:

1: Davis Strait, Lancaster Sound, Barrow Strait, Viscount Melville Sound, McClure Strait, Beaufort Sea, Chukchi Sea, Bering Strait. *The shortest and deepest, but most difficult way owing to the severe ice of McClure Strait. The route is used by submarines because of its depth.*

2: Davis Strait, Lancaster Sound, Barrow Strait, Viscount Melville Sound, Prince of Wales Strait, Amundsen Gulf, Beaufort Sea, Chukchi Sea, Bering Strait. *An easier variant of route 1 which may avoid severe ice in McClure Strait. It is suitable for deep draft vessels.*

3: Davis Strait, Lancaster Sound, Barrow Strait, Peel Sound, Franklin Strait, Victoria Strait, Coronation Gulf, Amundsen Gulf, Beaufort Sea, Chukchi Sea, Bering Strait. *The principal route; used by most vessels of draft less than 10 m.*

4: Davis Strait, Lancaster Sound, Barrow Strait, Peel Sound, Rae Strait, Simpson Strait, Coronation Gulf, Amundsen Gulf, Beaufort Sea, Chukchi Sea, Bering Strait. *A variant of route 3 for smaller vessels if ice from McClintock Channel has blocked Victoria Strait. Simpson Strait is only 6.4 m deep, it has shoals and complex currents.*

5: Davis Strait, Lancaster Sound, Prince Regent Inlet, Bellot Strait, Franklin Strait, Victoria Strait, Coronation Gulf, Amundsen Gulf, Beaufort Sea, Chukchi Sea, Bering Strait. *This route is dependent on ice conditions in Bellot Strait which has complex currents. Mainly used by eastbound vessels.*

6: Davis Strait, Lancaster Sound, Prince Regent Inlet, Bellot Strait, Rae Strait, Simpson Strait, Coronation Gulf, Amundsen Gulf, Beaufort Sea, Chukchi Sea, Bering Strait. *A variant of route 5 for smaller vessels if ice from McClintock Channel has blocked Victoria Strait. Simpson Strait is only 6.4 m deep, complex currents run in it and in Bellot Strait.*

7: Hudson Strait, Foxe Basin, Fury and Hecla Strait, Bellot Strait, Franklin Strait, Victoria Strait, Coronation Gulf, Amundsen Gulf, Beaufort Sea, Chukchi Sea, Bering Strait. *A difficult route owing to severe ice usually at the west of Fury and Hecla Strait and the currents of Bellot Strait. Mainly used by eastbound vessels as an alternative is practicable.*

Complete transits have been made by 162 different vessels. The Russian icebreaker *Kapitan Khlebnikov* has made 17 transits, the largest number of any vessel. *Hanseatic* has made 11, *Bremen* 8 (2 with the former name, *Frontier Spirit*), and *Polar Bound* 5; 3 vessels have each made 3 transits, and 15 have made 2. More than one year

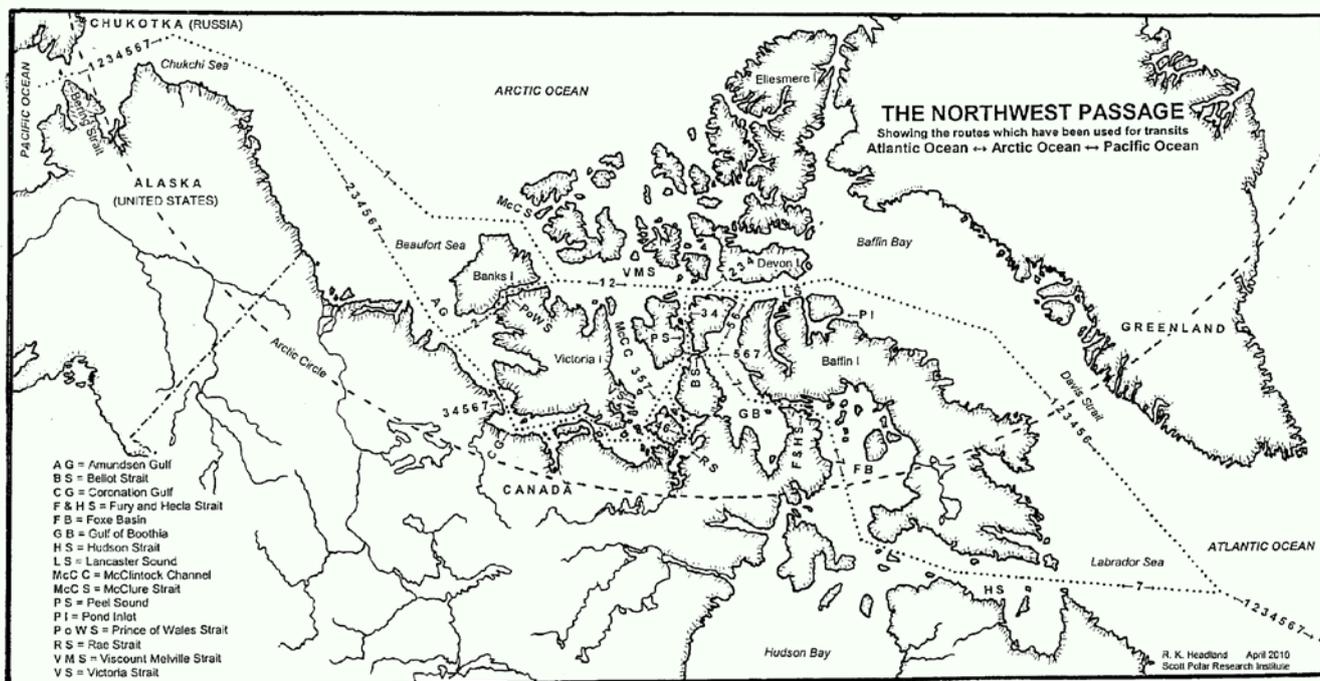
was taken by 24 of these vessels, mainly small craft, to complete a transit wintering at various places along the route. Return transits in one summer have been made by 5 vessels. The vessels are from 31 registries: 47 from Canada, 24 Russia, 24 Bahamas and United States, 21 Britain, 16 France, 9 Cayman Islands, 6 Sweden, 5 Australia and New Zealand, 4 Germany, Marshall Islands, and Poland, 3 Belgium, and Netherlands, 2 Austria, Antigua and Barbuda, Finland, Norway, and Switzerland, and 1 from Barbados, Croatia, Denmark, Ireland (Éire), Italy, Japan, Nouvelle Calédonie, Panama, Singapore, South Africa, and Spain. Passengers, excluding those aboard private yachts, have been carried on 48 transits but only 6 (numbers 74, 75, 122, 175, 203, and 218) were otherwise commercial voyages. Several of the vessels have travelled through the Panama Canal and circumnavigated North America, a few have circumnavigated all America, and others have circumnavigated the Arctic Ocean by also using the Northeast Passage from or to the Pacific Ocean. Captain Viktor Vasiliev has commanded 8 transits, Heinz Aye, Piotr Golikov and David Scott Cowper 6, and Thilo Natke 5; several others have commanded more than one.

An analysis of the transit routes used through the Northwest Passage to the end of navigation in 2014 shows:

Route 1	west 3 east 0 total 3	Route 2	west 11 east 4 total 15
Route 3	west 34 east 28 total 61	Route 4	west 32 east 10 total 42
Route 5	west 21 east 30 total 51	Route 6	west 14 east 28 total 42
Route 7	west 0 east 3 total 3	Composite	west 1 east 1 total 2 [marked 'Cp' in list]
All Routes		west 117 east 103 total 220	

The list is in alphabetical order of vessel names in the years of completion of the voyages (the voyage numbers do not indicate precedence). Superscript numbers in the list are cumulative numbers of voyages, commands, flags, etc.

Sources include a compilation by Thomas Pullen and Charles Swithinbank published in *Polar Record* (1991), with advice from Lawson Brigham (USCG), Peter Capelotti (USCG), David Cowper (Fort Ross visits), David Fletcher, Chris Havern (USCG), Brian McDonald (CCG), John MacFarlane, Peter Semotiuk, Tony Soper, Patrick Toomey (CCG), and Victor Wejer, personal observations made during several transits with Quark expeditions, many publications, advice from persons directly involved and various internet sites (with various degrees of reliability). Advice of subsequent voyages, corrections and additions, or similar details is appreciated.



The seven routes which have been used for transits of the Northwest Passage are:

- 1: Davis Strait, Lancaster Sound, Barrow Strait, Viscount Melville Sound, McClure Strait, Beaufort Sea, Chukchi Sea, Bering Strait
- 2: Davis Strait, Lancaster Sound, Barrow Strait, Viscount Melville Sound, Prince of Wales Strait, Amundsen Gulf, Beaufort Sea, Chukchi Sea, Bering Strait
- 3: Davis Strait, Lancaster Sound, Barrow Strait, Peel Sound, Franklin Strait, Victoria Strait, Coronation Gulf, Amundsen Gulf, Beaufort Sea, Chukchi Sea, Bering Strait.
- 4: Davis Strait, Lancaster Sound, Barrow Strait, Peel Sound, Rae Strait, Simpson Strait, Coronation Gulf, Amundsen Gulf, Beaufort Sea, Chukchi Sea, Bering Strait.
- 5: Davis Strait, Lancaster Sound, Prince Regent Inlet, Bellot Strait, Franklin Strait, Victoria Strait, Coronation Gulf, Amundsen Gulf, Beaufort Sea, Chukchi Sea, Bering Strait.
- 6: Davis Strait, Lancaster Sound, Prince Regent Inlet, Bellot Strait, Rae Strait, Simpson Strait, Coronation Gulf, Amundsen Gulf, Beaufort Sea, Chukchi Sea, Bering Strait.
- 7: Hudson Strait, Foxe Basin, Fury and Hecla Strait, Bellot Strait, Franklin Strait, Victoria Strait, Coronation Gulf, Amundsen Gulf, Beaufort Sea, Chukchi Sea, Bering Strait.

<u>Year</u>	<u>Vessel</u>	<u>Flag</u>	<u>Master</u>	<u>Route</u>
<u>1903-06</u>				
1	<i>Gjøa</i> (21 m auxiliary sloop)	Norway ¹	Roald Engelbregt Gravning Amundsen	West 4 Wintered twice in Gjøa Haven and once off King Point
<u>1940-42</u>				
2	<i>St Roch</i> ¹ (29.7 m RCMP auxiliary schooner)	Canada ¹	Henry Asbjørn Larsen ¹	East 6 Wintered at Walker Bay and Pasley Bay, traversed Pond Inlet
<u>1944</u>				
3	<i>St Roch</i> ² (RCMP auxiliary schooner)	Canada ²	Henry Asbjørn Larsen ²	West 2 Return voyage, first transit in one season, traversed Pond Inlet
<u>1954</u>				
4	HMCS <i>Labrador</i> (icebreaker)	Canada ³	Owen Connor Struan Robertson	West 2 First continuous circumnavigation of North America
<u>1957</u>				
5	USCGC <i>Bramble</i> (buoy tender)	United States ¹	Henry Hart Carter	East 6
6	USCGC <i>Spar</i> (buoy tender)	United States ²	Charles Vinal Cowing	East 6
7	USCGC <i>Storis</i> (icebreaker)	United States ³	Harold Lambert Wood	East 6 Travelled in convoy, <i>Storis</i> escorted <i>Bramble</i> and <i>Spar</i> , accompanied by HMCS <i>Labrador</i> from Bellot Strait
<u>1967</u>				
8	CCGS <i>John A. McDonald</i> (icebreaker)	Canada ⁴	Paul Moise Fournier	West 3 Assisted USCGC <i>Northwind</i> beset 900 km N off Point Barrow with damaged propeller, circumnavigated North America
<u>1969</u>				
9	USCGC <i>Northwind</i> ¹ (icebreaker)	United States ⁴	Donald J. McCann ¹	East 5
10	USCGC <i>Northwind</i> ² (icebreaker)	United States ⁵	Donald J. McCann ²	West 3 Earliest return voyage in one season ¹ , to and from Thule in Greenland, escorted <i>Manhattan</i> for part of westbound voyage
11	USCGC <i>Staten Island</i> (icebreaker)	United States ⁶	Eugene F. Walsh	East 2 Escorted oil tanker <i>Manhattan</i> on return voyage from Point Barrow
12	CSS <i>Baffin</i> (research icebreaker)	Canada ⁵	Paul M. Brick	East 2
13	CSS <i>Hudson</i> ¹ (research icebreaker)	Canada ⁶	David W. Butler	East 2 <i>Hudson</i> made the first circumnavigation of the Americas, <i>Baffin</i> accompanied <i>Hudson</i> through the Northwest Passage
<u>1975</u>				
14	<i>Pandora II</i> (hydrographic research vessel)	Canada ⁷	R. Dickinson	East 7
15	<i>Theta</i> (research vessel)	Canada ⁸	K. Maro	East 7 Travelled in company
16	CSS <i>Skidgate</i> (buoy tender)	Canada ⁹	Peter Kallis	East 6
<u>1976</u>				
17	CCGS <i>J. E. Bernier</i> ¹ (icebreaker)	Canada ¹⁰	Paul Pelland	East 3
<u>1977</u>				
18	<i>Williwaw</i> (13 m sloop)	Netherlands ¹	Willy de Roos	West 4 Single-handed after Gjøa Haven, continued to circumnavigate the Americas

<u>1978</u>				
19	CCGS <i>Pierre Radisson</i> (icebreaker)	Canada ¹¹	Patrick Robert Michael Toomey	East 2
<u>1976-79</u>				
20	<i>J. E. Bernier II</i> (10 m ketch)	Canada ¹²	Réal Bouvier Wintered in Holsteinborg, Resolute, and Tuktoyaktuk	West 4
<u>1979</u>				
21	<i>Canmar Kigoriak</i> (icebreaker)	Canada ¹³	C. Cunningham	West 2
22	CCGS <i>Louis S. St Laurent</i> (icebreaker)	Canada ¹⁴	George Burdock Circumnavigated North America	West 2
<u>1980</u>				
23	CCGS <i>J. E. Bernier²</i> (icebreaker)	Canada ¹⁵	E. Chasse	East 4
24	<i>Pandora II</i> (hydrographic survey vessel)	Canada ¹⁶	Robin A. Jones Both vessels circumnavigated North America	East 4
<u>1981</u>				
25	CSS <i>Hudson²</i> (research icebreaker)	Canada ¹⁷	Frederick Mauger Circumnavigated North America	East 3
<u>1979-82</u>				
26	<i>Mermaid</i> (15 m sloop)	Japan	Kenichi Horie First single-handed voyage ¹ , wintered in Resolute and Tuktoyaktuk	West 6
<u>1983</u>				
27	<i>Arctic Shiko</i> (tug)	Canada ¹⁸	S. Dool	East 3
28	<i>Polar Circle</i> (research vessel)	Canada ¹⁹	J. A. Strand	East 4
<u>1984</u>				
29	<i>Lindblad Explorer¹</i> (ice strengthened ship)	Sweden ¹	Hasse Nilsson First passenger ¹ voyage	West 4
<u>1985</u>				
30	USCGC <i>Polar Sea¹</i> (icebreaker)	United States ⁷	John T. Howell Accompanied by CCGS <i>John A. McDonald</i> for part of voyage	West 2
31	<i>World Discoverer¹</i> (ice strengthened ship)	Singapore ¹	Heinz Aye ¹ Carried passengers ² , traversed Pond Inlet	East 6
<u>1976-88</u>				
32	<i>Canmar Explorer II</i> (drilling ship)	Canada ²⁰	Ronald Colby Reached Beaufort Sea for oil drilling programme from 1976 until completed transit	West 3
<u>1983-88</u>				
33	<i>Belvedere</i> (18 m yacht)	United States ⁸	Sven Johansson Reached Tuktoyaktuk 1983, conducted whaling research to 1987, completed transit in 1988, traversed Pond Inlet	East 6
<u>1985-88</u>				
34	<i>Vagabond II¹</i> (12-8 m yacht)	France ¹	Janusz Kurbiel (1985-87) and Wojciech Jacobson (1988) Wintered in Tuktoyaktuk and twice in Gjøa Haven (where changed masters), circumnavigated North America	East 6
<u>1988</u>				
35	CCGS <i>Henry A. Larsen</i> (icebreaker)	Canada ²¹	Stephen A. Gomes	East 5
36	CCGS <i>Martha L. Black</i> (icebreaker)	Canada ²²	Robert J. Mellis ¹ Circumnavigated North America	East 5
37	USCGC <i>Polar Star¹</i> (icebreaker)	United States ⁹	Paul A. Taylor Accompanied by CCGS <i>Sir John Franklin</i> to Demarcation Point	East 3
38	<i>Society Explorer²</i> (ice strengthened ship)	Bahamas ¹	Heinz Aye ² Carried passengers ³ , traversed Pond Inlet [formerly <i>Lindblad Explorer</i>]	East 5

1986-89

39	<i>Mabel E. Holland</i> (12.8 m lifeboat)	Britain ¹	David Scott Cowper ¹ Single-handed voyage ² , vessel wintered at Fort Ross twice, and at Inuvik	West 6
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1988-89

40	<i>Northanger</i> (15 m ketch)	Britain ²	Richard Thomas ¹ Wintered in Inuvik	West 4
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1989

41	USCGC <i>Polar Star</i> ² (icebreaker)	United States ¹⁰	Robert Hammond Accompanied by CCGS <i>Sir John Franklin</i> to Demarcation Point	West 3
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1983-90

42	<i>Ikaluk</i> ¹ (icebreaker)	Canada ²³	R. Cormier ¹ Reached Beaufort Sea in 1983, where worked to 1990 when completed transit	East 3
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1990

43	CCGC <i>Terry Fox</i> (icebreaker)	Canada ²⁴	Peter Kimmerley	East 3
44	USCGC <i>Polar Sea</i> ² (icebreaker)	United States ¹¹	Joseph J. McClelland Accompanied by CCGS <i>Pierre Radisson</i> to Demarcation Point	West 3

1991

45	<i>Canmar Tugger</i> (tug)	Canada ²⁵	L. Lorengeek	East 3
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1992

46	<i>Frontier Spirit</i> ¹ (ice strengthened ship)	Bahamas ²	Heinz Aye ³ Carried passengers ⁴ , traversed Pond Inlet	West 3
47	<i>Ikaluk</i> ² (icebreaker)	Canada ²⁶	R. Cormier ²	West 3
48	<i>Kapitan Khlebnikov</i> ¹ (icebreaker)	Russia ¹	Piotr Golikov ¹ Carried passengers ⁵	East 3

1993

49	<i>Dagmar Aaen</i> ¹ (27 m yacht)	Germany ¹	Arved Fuchs	West 5
50	<i>Frontier Spirit</i> ² (ice strengthened ship)	Bahamas ³	Heinz Aye ⁴ Carried passengers ⁶	West 3
51	<i>Kapitan Khlebnikov</i> ² (icebreaker)	Russia ²	Piotr Golikov ² Carried passengers ⁷	East 3

1994

52	<i>Hanseatic</i> ¹ (ice strengthened ship)	Bahamas ⁴	Hartwig van Harling ¹ Carried passengers ⁸	West 3
53	<i>Itasca</i> (converted tug)	Britain ³	Allan Jouning	East 4
54	<i>Kapitan Khlebnikov</i> ³ (icebreaker)	Russia ³	Piotr Golikov ³	East 3
55	<i>Kapitan Khlebnikov</i> ⁴ (icebreaker)	Russia ⁴	Piotr Golikov ⁴ Return voyage in one season ² , carried passengers ⁹ & ¹⁰	West 2

1995

56	CCGS <i>Arctic Ivik</i> ¹ (icebreaker)	Canada ²⁷	Norman Thomas ²	East 5
57	CCGS <i>Arctic Ivik</i> ² (icebreaker)	Canada ²⁸	Robert J. Mellis ² Return voyage in one season ³ , to and from Kap York	West 5
58	<i>Canmar Ikaluk</i> ³ (icebreaker)	Canada ²⁹	D. Connolly [formerly <i>Ikaluk</i>]	East 3
59	<i>Canmar Miscaroo</i> (icebreaker)	Canada ³⁰	D. W. Harris	East 3
60	<i>Dove III</i> (8.5 m yacht)	Canada ³¹	Winston Bushnell	East 3
61	<i>Hrvatska Cigra</i> (19.8 m yacht)	Croatia	Mladan Sutej	West 5
62	<i>Kapitan Khlebnikov</i> ⁵ (icebreaker)	Russia ⁵	Viktor Vasiliev ¹ Carried passengers ¹¹	East 5

1996

63	<i>Arctic Circle</i> (tug)	Canada ³²	Jack McCormack	East 3
64	<i>Canmar Supplier II</i> (cargo vessel)	Canada ³³	P. Dunderdale	East 3

65	<i>Hanseatic</i> ² (ice strengthened ship)	Bahamas ⁵	Hartwig van Harling ² Carried passengers ¹² , grounded in Simpson Strait, escorted by CCGS <i>Henry A. Larsen</i> to Victoria Strait, traversed Pond Inlet	West 3
66	<i>Kapitan Dranitsyn</i> ¹ (icebreaker)	Russia ⁶	Oleg Agafonov Carried passengers ¹³	East 5
67	CCGS <i>Sir Wilfrid Laurier</i> (icebreaker)	Canada ³⁴	Norman Thomas ³ Escorted by CCGS <i>Louis S. St Laurent</i> for part of voyage, traversed Pond Inlet	East 5
<u>1997</u>				
68	<i>Alex Gordon</i> (tug)	Canada ³⁵	Paul Misata Escorted by CCGS <i>Sir Wilfrid Laurier</i> to Franklin Strait and then CCGS <i>Pierre Radisson</i>	East 5
69	<i>Hanseatic</i> ³ (ice strengthened ship)	Bahamas ⁶	Heinz Aye ⁵ Carried passengers ¹⁴ , escorted to Victoria Strait by CCGS <i>Henry A. Larsen</i> , traversed Pond Inlet	West 3
70	<i>Kapitan Khlebnikov</i> ⁶ (icebreaker)	Russia ⁷	Viktor Vasiliev ² Carried passengers ¹⁵	East 3
71	<i>Supplier</i> (tug)	Bahamas ⁷	Allan Guenter Escorted by CCGS <i>Terry Fox</i> to Victoria Strait	East 5
<u>1998</u>				
72	<i>Hanseatic</i> ⁴ (ice strengthened ship)	Bahamas ⁸	Heinz Aye ⁶ Carried passengers ¹⁶ , escorted to Victoria Strait by CCGS <i>Sir John Franklin</i> , traversed Pond Inlet	East 3
73	<i>Kapitan Khlebnikov</i> ⁷ (icebreaker)	Russia ⁸	Piotr Golikov ⁵ Carried passengers ¹⁷	East 3
<u>1999</u>				
74	<i>Admiral Makarov</i> (icebreaker)	Russia ⁹	Vadim Kholodenko	East 3
75	<i>Irbis</i> (tug)	Russia ¹⁰	Aleksandr Aleksenko Travelled in convoy each towing a component of a steel floating dock, Korea to Caribbean	East 3
76	<i>Kapitan Dranitsyn</i> ² (icebreaker)	Russia ¹¹	Viktor Terekhov ¹ Carried passengers ¹⁸ , circumnavigated the Arctic ¹	West 3
77	<i>Ocean Search</i> (12.5 m yacht)	France ²	Olivier Pitras ¹ Traversed Pond Inlet	East 6
<u>2000</u>				
78	<i>Evohe</i> (25 m yacht)	New Zealand ¹	Stephen Kafka	East 6
79	<i>Hanseatic</i> ⁵ (ice strengthened ship)	Bahamas ⁹	Thilo Natke ¹ Carried passengers ¹⁹ , traversed Pond Inlet	West 3
80	USCGC <i>Healy</i> ¹ (icebreaker)	United States ¹²	Jeffrey M. Garrett	West 3
81	<i>Kapitan Dranitsyn</i> ³ (icebreaker)	Russia ¹²	Viktor Terekhov ² Carried passengers ²⁰ , circumnavigated the Arctic ²	West 3
82	<i>Nadon</i> (17.7 m RCMP catamaran)	Canada ³⁶	Kenneth Burton Voyage to commemorate <i>St Roch</i> 1940-42 transit; circumnavigated North America	East 6
83	<i>Simon Fraser</i> (icebreaker)	Canada ³⁷	Robert J. Mellis ³ Escorted <i>Nadon</i>	East 6
<u>2001</u>				
84	<i>Kapitan Khlebnikov</i> ⁸ (icebreaker)	Russia ¹³	Viktor Vasiliev ³	East 3
85	<i>Kapitan Khlebnikov</i> ⁹ (icebreaker)	Russia ¹⁴	Viktor Vasiliev ⁴ Return voyage in one season ⁴ , carried passengers ^{21 & 22}	West 1
86	<i>Northabout</i> (14.9 m yacht)	Ireland (Éire)	Jarlath Cunnane Circumnavigated the Arctic ³	West 4
87	<i>Turmoil</i> ¹ (46 m motor yacht)	Cayman Islands ¹	Philip Walsh Traversed Pond Inlet	West 4
<u>2001-02</u>				
88	<i>Nuage</i> (12.8 m yacht)	France ³	Michèle Demai Complement of mother and daughter, wintered in Cambridge Bay	East 5
<u>2002</u>				
89	<i>Apostol Andrey</i> (16.2 m yacht)	Russia ¹⁵	Nikolay A. Litau Assisted by CCGS <i>Louis S. St Laurent</i> through Prince Regent Inlet, circumnavigated the Arctic ⁴	East 5
90	<i>Arctic Kalvik</i> (icebreaker tug)	Barbados	Sanjeev Kumar	East 3
91	<i>Hanseatic</i> ⁶ (ice strengthened ship)	Bahamas ¹⁰	Thilo Natke ²	West 3

92	<i>Kapitan Khlebnikov</i> ¹⁰ (icebreaker)	Russia ¹⁶	Carried passengers ²³ , traversed Pond Inlet Piotr Golikov ⁶	East 3
93	<i>Sedna IV</i> (51 m yacht)	Canada ³⁸	Carried passengers ²⁴ Stéphan Guy	West 5
<u>2003</u>				
94	<i>Bremen</i> ³ (ice strengthened ship)	Bahamas ¹¹	Daniel Felgner Carried passengers ²⁵ , traversed Pond Inlet [formerly <i>Frontier Spirit</i>]	West 3
95	USCGC <i>Healy</i> ² (icebreaker)	United States ¹³	Daniel Oliver	West 3
96	<i>Kapitan Khlebnikov</i> ¹¹ (icebreaker)	Russia ¹⁷	Viktor Vasiliev ⁵ Carried passengers ²⁶	East 5
97	<i>Norwegian Blue</i> (12.9 m yacht)	Britain ⁴	Andrew Wood Traversed Pond Inlet	East 5
98	<i>Vagabond</i> ² (15.3 m yacht)	France ⁴	Eric Brossier Traversed Pond Inlet, circumnavigated the Arctic ⁵ [formerly <i>Vagabond II</i>]	East 5
<u>2003-04</u>				
99	<i>Dagmar Aaen</i> ² (27 m yacht)	Germany ²	Arved Fuchs ² Wintered in Cambridge Bay, assisted by CCGS <i>Louis S. St Laurent</i> , traversed Pond Inlet; circumnavigated the Arctic ⁶	East 5
100	<i>Polar Bound</i> ¹ (14.6 m motorboat)	Britain ⁵	David Scott Cowper ² Single-handed voyage ³ , wintered in Cambridge Bay, assisted by CCGS <i>Louis S. St Laurent</i> in Prince Regent Inlet	East 5
<u>2004</u>				
101	<i>Kapitan Khlebnikov</i> ¹² (icebreaker)	Russia ¹⁸	Pavel Ankudinov ¹ Carried passengers ²⁷	East 5
<u>2004-05</u>				
102	<i>Fine Tolerance</i> (13.7 m yacht)	Australia ¹	Philip Hogg Wintered in Cambridge Bay, assisted by CCGS <i>Sir Wilfrid Laurier</i> and CCGS <i>Louis S.</i> <i>St Laurent</i> through Bellot Strait	East 6
<u>2005</u>				
103	<i>Idlewild</i> (17.3 m motorboat)	Canada ³⁹	Benjamin Grey Assisted by CCGS <i>Sir Wilfrid Laurier</i> and CCGS <i>Louis S. St Laurent</i> through Bellot Strait	East 6
104	<i>Kapitan Khlebnikov</i> ¹³ (icebreaker)	Russia ¹⁹	Viktor Vasiliev ⁶	East 3
105	<i>Kapitan Khlebnikov</i> ¹⁴ (icebreaker)	Russia ²⁰	Viktor Vasiliev ⁷ Return voyage in one season ⁵ , carried passengers ²⁸ eastbound	West 3
106	<i>Oden</i> (icebreaker)	Sweden ²	Anders Wikström	West 3
<u>2003-06</u>				
107	<i>Minke I</i> (12.8 m yacht)	Canada ⁴⁰	Peter Brook Wintered in Tuktoyaktuk and in Cambridge Bay twice	East 6
<u>2006</u>				
108	<i>Bremen</i> ⁴ (ice-strengthened ship)	Bahamas ¹²	Marc Behrend ¹ Carried passengers ²⁹ , traversed Pond Inlet	West 4
109	<i>Kapitan Khlebnikov</i> ¹⁵ (icebreaker)	Russia ²¹	Pavel Ankudinov ² Carried passengers ³⁰	East 7
110	<i>Nekton</i> (13.6 m yacht)	Poland ¹	Tadeusz Natanek	West 6
111	<i>Sary</i> (13.5 m yacht)	Poland ²	Dominik Bac, Jacek Wacławski, and Sławek Skalmierski Travelled in company, traversed Pond Inlet (changed masters at Cambridge Bay and Tuktoyaktuk)	West 6
<u>2007</u>				
112	<i>Babouche</i> (7.5 m catamaran)	France ⁵	Sébastien Roubinet	East 5
113	<i>Cloud Nine</i> (17.3 m ketch)	United States ¹⁴	Roger Swanson	West 4

114	<i>Hanseatic</i> ⁷ (ice strengthened ship)	Bahamas ¹³	Ulf Wolter ¹ Carried passengers ³¹	West 5
115	<i>Kapitan Khlebnikov</i> ¹⁶ (icebreaker)	Russia ²²	Viktor Vasiliev ⁸ Carried passengers ³²	East 5
116	<i>Luck Dragon</i> (12·1 m yacht)	Britain ⁶	Jeffrey Allison Vessel abandoned and lost during a storm in Bering Sea	West 3
<u>2005-08</u>				
117	<i>Arctic Wanderer</i> (11·9 m yacht)	United States ¹⁵	Gary E. Ramos Single-handed voyage ⁴ , wintered in Cambridge Bay thrice	East 6
<u>2008</u>				
118	<i>Amodino</i> (23 m yacht)	Spain	Juan Ribos	East 4
119	<i>Baloum Gwen</i> ¹ (14·9 m yacht)	Belgium ¹	Thierry Fabing ¹	West 4
120	<i>Berrimilla</i> (10 m yacht)	Australia ²	Alexander Whitworth	East 4
121	<i>Bremen</i> ⁵ (ice-strengthened ship)	Bahamas ¹⁴	Ulf Wolter ² Carried passengers ³³	West 5
122	<i>Peter Faber</i> (cable layer)	France ⁶	Robert Hansen	East 3
123	<i>Geraldine</i> (14 m yacht)	United States ¹⁶	Walter Jones	West 3
124	<i>Southern Star</i> (23·7 m yacht)	France ⁷	Olivier Pitras ²	West 4
125	<i>Tyhina</i> (10·4 m yacht)	New Zealand ²	Peter Elliott	West 4
<u>2009</u>				
126	<i>Apoise</i> (67 m motor vessel)	Canada ⁴¹	David Ritchie	West 4
127	<i>Bagan</i> (17·4 m motorboat)	United States ¹⁷	Clinton Bolton	West 4
128	<i>Bremen</i> ⁶ (ice-strengthened ship)	Bahamas ¹⁵	Marc Behrend ² Carried passengers ³⁴ , traversed Pond Inlet	West 4
129	<i>Baloum Gwen</i> ² (14·9 m yacht)	Belgium ²	Thierry Fabing ² Return voyage	East 6
130	<i>Fleur Australe</i> (20 m yacht)	France ⁸	Philippe Poupon	West 4
131	<i>Fiona</i> (12·8 m yacht)	United States ¹⁸	Eric Forsyth	West 4
132	<i>Glory of the Sea</i> (15·3 m yacht)	France ⁹	Charles Hedrich	West 4
133	<i>Hanseatic</i> ⁸ (ice-strengthened ship)	Bahamas ¹⁶	Thilo Natke ³ Carried passengers ³⁵ , voyage included a return transit of Bellot Strait from Peel Sound	East 4
134	<i>Ocean Watch</i> (19·2 m yacht)	United States ¹⁹	Mark Schrader	East 6
135	<i>Perithia</i> (14·6 m yacht)	Germany ³	Uwe Wohnort	West 4
136	<i>Polar Bound</i> ² (14·6 m motorboat)	Britain ⁷	David Scott Cowper ³ Single-handed voyage ⁵	West 5
137	<i>Precipice</i> (9·1 m yacht)	United States ²⁰	Rolland Trowbridge	West 6
138	<i>Silent Sound</i> (12·2 m yacht)	Canada ⁴²	Cameron Dueck Traversed Pond Inlet	East 6
<u>2010</u>				
139	<i>Ariel IV</i> (15·2 m sloop)	Sweden ³	Eric Boye	West 4
140	<i>Astral Express</i> (12·5 m yacht)	New Zealand ³	Graeme Kendall Single handed voyage ⁶	West 3
141	<i>Dione Sky</i> ² (46 m motor yacht)	Cayman Islands ²	Brian Harrison [formerly <i>Turmoil</i>]	West 2
142	<i>Hanse Explorer</i> ¹ (48 m motor yacht)	Antigua and Barbuda ¹	Bernd Buchner Carried Passengers ³⁶ , traversed Pond Inlet	West 3
143	<i>Hanseatic</i> ⁹ (ice-strengthened ship)	Bahamas ¹⁷	Thilo Natke ⁴ Carried Passengers ³⁷ , traversed Pond Inlet	West 4
144	<i>Kapitan Khlebnikov</i> ¹⁷ (icebreaker)	Russia ²³	Anatoliy Kovalenko Carried passengers ³⁸	East 5
145	<i>Octopus</i> ¹ (128 m motor yacht)	Cayman Islands ³	Glenn Dalby ¹ Traversed Pond Inlet	West 2
146	<i>Rx II</i> (11 m yacht)	Norway ²	Trond Aasvoll Circumnavigated the Arctic ⁷	East 4
147	<i>Sarema</i> (15·2 m yacht)	Finland ¹	Pekka Kauppila Traversed Pond Inlet	East 4
148	<i>Solanus</i> (14·5 m yacht)	Poland ³	Bronisław Radliński	West 4
149	<i>T6</i> (48·5 m motor yacht)	Cayman Islands ⁴	John Spencer Traversed Pond Inlet	West 30
150	<i>Young Larry</i> (13·4 m yawl)	Britain ⁸	Andrew Wilkes	West 4

2010-11

151	<i>Anna</i> ¹ (10.5 m yawl)	Sweden ⁴	Börje Ivarsson ¹ Wintered in Inuvik	West 4
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2011

152	<i>Arcadia</i> (35.8 m motor yacht)	Cayman Islands ⁵	James Pizzaruso Traversed Pond Inlet	West 5
153	<i>Asteria</i> (converted tug)	Marshall Islands ¹		Donald Feil West 3
154	<i>Bremen</i> ⁷ (ice-strengthened ship)	Bahamas ¹⁸	Marc Behrend ³ Composite course: McClure Strait, Prince of Wales Strait, and then route 4; carried passengers ³⁹	East Cp
155	<i>Chamade</i> (13.3 m yacht)	Switzerland ¹	Marc Decrey	West 4
156	<i>Imvubu</i> (15.9 m ketch)	South Africa	Ralf Dominick,	West 3
157	<i>Issuma</i> (15 m schooner)	Canada ⁴³	Richard Hudson	West 5
158	<i>Kotuku</i> (12.2 m yacht)	New Zealand ⁴	Ian Douglass	East 6
159	<i>Leava</i> (12.5 m sloop)	France ¹⁰	Alain Bataedat	East 6
160	<i>Muktuk</i> (14.3 m sloop)	Austria ¹	Karl Mayer	West 4
161	<i>Pangaeas</i> (35 m yacht)	United States ²¹	Michael Horn	East 4
162	<i>Polar Bound</i> ³ (14.6 m motorboat)	Britain ⁹	David Scott Cowper ⁴	East 3
163	<i>Rus</i> (7.6 m trimaran)	Russia ²⁴	Oleg Volynkin	West 5
164	<i>St Brendan</i> (8.2 m yacht)	United States ²²	Matt Rutherford Single-handed voyage ⁷ , circumnavigated the Americas	West 3
165	<i>Santa Maria Australis</i> (20.1 m ketch)	Germany ⁴	Wolf Kloss	West 4

2011-12

166	<i>Roxane</i> (10.7 m sloop)	France ¹¹	Luc Dupont	West 4
167	<i>Teleport</i> (8.9 m junk rigged yacht)	Australia ³	Christopher Bray Both wintered in Cambridge Bay	West 5

2012

168	<i>Belzebub II</i> (9.4 m yacht)	Sweden ⁵	Edvin Buregren Also visited Grise Fjord	West 1
169	<i>Beothuk</i> (31.1 m motor vessel)	Cayman Islands ⁶	Liam Devlin	West 6
170	<i>Best Explorer</i> (15.6 m yacht)	Italy	Giovanni Acquarone	West 4
171	<i>Billy Budd</i> (34.3 m motor yacht)	Britain ¹⁰	Clive Shute Made a return transit of Bellot Strait, visited Winter Harbour.	West Cp
172	<i>Coriolis 14</i> (25 m yacht)	France ¹²	Richard Mergeaux	West 2
173	<i>Dodo's Delight</i> ¹ (10.1 m yacht)	Britain ¹¹	Robert Shepton	West 5
174	<i>Fortrus</i> (50 m motor yacht)	Britain ¹²	Scott Newson	West 6
175	<i>Gotland Carolina</i> (183 m tanker)	Bahamas ¹⁹	J. Justin Conveyed 50 400 m ³ hydrocarbon cargo	West 2
176	<i>Hanseatic</i> ¹⁰ (ice-strengthened ship)	Bahamas ²⁰	Thilo Natke ⁵ Carried passengers ⁴⁰ , circumnavigated Cornwallis Island	East 5
177	<i>Jonathan III</i> (14.9 m yacht)	Netherlands ²	Mark van de Weg Made a return transit of Bellot Strait, traversed Pond Inlet	West 4
178	<i>Katharsis II</i> (21.9 m yacht)	Britain ¹³	Mariusz Koper Made a return transit of Bellot Strait	West 3
179	<i>Marguerite</i> (15.8 m sloop)	France ¹³	Janusz Kurbiel	West 4
180	<i>Nordwind</i> (26.8 m yacht)	Britain ¹⁴	Hans Albrecht Made a return transit of Bellot Strait	West 3
181	<i>Octopus</i> ² (128 m motor yacht)	Cayman Islands ⁷	Glenn Dalby ²	West 2
182	<i>Philos</i> ¹ (15.2 m schooner)	Australia ⁴	Roger Wallis ¹	West 4
183	<i>Polar Bound</i> ⁴ (14.6 m motorboat)	Britain ¹⁵	David Scott Cowper ⁵	West 1
184	<i>Sol</i> (12.8 m yacht)	Denmark	Kim Bork Mathiesen	East 5
185	<i>The World</i> (196.3 m condominium vessel)	Bahamas ²¹	Dag Harald Saevik Carried resident passengers ⁴¹ ; traversed Pond Inlet	East 5
186	<i>Tokimata</i> (13.1 m yacht)	New Zealand ⁵	Peter Garden Traversed Pond Inlet	East 5
187	<i>Upchuk</i> (15.8 m motor yacht)	Britain ¹⁶	Frank Rothwell	East 4

2012-13

188	<i>Balthazar</i> (10.5 m yacht)	Canada ⁴⁴	Guy Lavoie Wintered at Inuvik	West 6
189	<i>Tranquillo</i> (17.6 m yacht)	Netherlands ³	Bart Veldink Wintered off Pim Island	East 5

2013

190	<i>Anna</i> ² (10.5 m yawl)	Sweden ⁶	Pelle Ivarsson	East 6
191	<i>Arktika</i> (15 m sloop)	Finland ²	Gilles Elkaim	West 5
192	<i>Bremen</i> ⁸ (ice-strengthened ship)	Bahamas ²²	Roman Obrist Carried passengers ⁴² ; assisted by CGCS <i>Henry Larsen</i>	East 3
193	<i>d'Acalèphe</i> (13.9 yacht)	Canada ⁴⁵	Jean-Gilles Lemieux	West 5
194	<i>Dodo's Delight</i> ² (10.1 m yacht)	Britain ¹⁷	Robert Shepton ²	East 5
195	<i>Hanse Explorer</i> ² (48 m motor yacht)	Antigua and Barbuda ²	Jens Köthen Carried passengers ⁴³	West 5
196	<i>Hanseatic</i> ¹¹ (ice-strengthened ship)	Bahamas ²³	Mark Behrend ⁴ Carried passengers ⁴⁴ , traversed Pond Inlet	West 5
197	<i>Isatis</i> (14.2 m yacht)	Nouvelle Calédonie	Jean-Pierre Levie	West 5
198	<i>La Belle Epoque</i> (12.8 m yacht)	Austria ²	Jürgen Kirchberger	West 5
199	<i>Lady M II</i> (50 m motor yacht)	Marshall Islands ²	Jim Bulman Carried passengers ⁴⁵ ; assisted by CGCS <i>Henry Larsen</i> , traversed Pond Inlet	West 5
200	<i>Le Soléal</i> (cruise vessel)	France ¹⁴	Etienne Garcia ¹ Carried passengers ⁴⁶	West 6
201	<i>Libellule</i> (14.3 m catamaran)	Switzerland ²	Philip Cottier Traversed Pond Inlet, assisted by CGCS <i>Henry Larsen</i>	West 5
202	<i>Michaela Rose</i> (49.4 m motor yacht)	Britain ¹⁸	Tom Noorman Assisted by CGCS <i>Henry Larsen</i>	East 5
203	<i>Nordic Orion</i> (ice-strengthened bulk cargo vessel)	Panama	Sergey Danilov Conveyed 73 000 tonnes of coal from Vancouver to Finland; previously transited the Northeast Passage, circumnavigated the Arctic ⁸ ; largest ship to transit; escorted by CCGS <i>Louis S. St Laurent</i> in Peel Sound	East 3
204	<i>Octopus</i> ³ (128 m motor yacht)	Cayman Islands ⁸	Jannek Olsson	East 5
205	<i>Perd pas le Nord</i> (15.2 m yacht)	Belgium ³	Nicolas Mouchart Traversed Pond Inlet	West 6
206	<i>Polar Bound</i> ⁵ (14.6 m motor boat)	Britain ¹⁹	David Scott Cowper ⁶ Traversed Pond Inlet	East 5
207	<i>Traversay III</i> (13.7 m yacht)	Canada ⁴⁶	Laurence Roberts Assisted by CGCS <i>Henry Larsen</i>	West 5

2013-14

208	<i>Empiricus</i> (15.2 m yawl)	United States ²³	Jesse Osborn Traversed Pond Inlet	East 6
209	<i>Gitana</i> (13.4 m schooner)	United States ²⁴	Michael Johnson Both wintered in Cambridge Bay	West 6
210	<i>Le Manguier</i> (21.1 m motor vessel)	France ¹⁵	Philippe Hercher Wintered in Paulatuk	East 6

2014

211	<i>Altan Girl</i> (13.4 m motor vessel)	Canada ⁴⁷	Erkan Gursoy Single handed voyage ⁸ , rescued by USCG <i>Healy</i> off Point Barrow, assisted by <i>Tandberg Polar</i> through Bellot Strait	East 6
212	<i>Arctic Tern</i> (13.1 m sloop)	Britain ²⁰	Leslie Parsons	West 6
213	<i>Drina</i> (16.8 m ketch)	Australia ⁵	Michael Thurston	West 6
214	<i>Lady Dana 44</i> (14.3-m sloop)	Poland ⁴	Ryszard Wojnowski Circumnavigated the Arctic ⁹	East 6
215	<i>Latitude</i> (44.5 m motor yacht)	Cayman Islands ⁹	Sean Meagher	West 6
216	<i>Le Boréal</i> (cruise vessel)	France ¹⁶	Etienne Garcia ² Carried passengers ⁴⁷	West 3
217	<i>Novara</i> (18.3 m schooner)	Britain ²¹	Stephen Brown	West 6
218	<i>Nunavik</i> (ice-strengthened bulk cargo vessel)	Marshall Islands ³	Randy Rose Conveyed 23 000 tonnes of nickel concentrate	West 2

219	<i>Silver Explorer</i> (cruise vessel)	Bahamas ²⁴	to China Alexander Golubev Carried passengers ⁴⁸ , assisted by CCGC <i>Pierre Radison</i> in Victoria Strait	West 5
220	<i>Triton</i> (50 m motor vessel)	Marshall Islands ⁴	Paul Jones	East 6

Vessels underway but wintering in 2014-15

2013-15?

	<i>Rowing Ice</i> (7 m rowing vessel)	France	Charles Hedrich Single-handed transit, wintered at Tuktoyaktut and Taloyoak	East ?
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2014-15?

	<i>Gjøa</i> (13.1 m yacht)	Canada	Glenn Bainbridge Assisted by <i>Akademik Sergey Vavilov</i> in Bellot Strait	West 6
	<i>Philos</i> ² (15.2 m schooner)	Australia	Roger Wallis ² Both wintered at. Cambridge Bay	East ?

Notes: Several vessels, including recent small craft have traversed the Canadian Arctic archipelago, Beaufort Sea and Chukchi Sea. Those which did not transit Bering Strait nor enter the Pacific Ocean are not included in this list, although most circumnavigated the Arctic Ocean. Many other voyages have been made through the archipelago of the Canadian Arctic, notably that of the experimental oil tanker *Manhattan* and escort vessels which reached the Arctic coast of Alaska in 1969 from the Atlantic Ocean, but did not continue to the Pacific Ocean. Such voyages, and one where the vessel carried partly as deck cargo aboard a Canadian icebreaker, are also not regarded as complete transits of the Northwest Passage. Incomplete transits are too numerous to record.

Data: the list is subject to revision when improved information is received. Advice of corrections and additions is always appreciated; <rk10@cam.ac.uk>. A copy of the latest iteration is available from the same source.