

TRANSITS OF THE NORTHWEST PASSAGE TO END OF THE 2015 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 238 complete maritime transits of the Northwest Passage have been made to the end of the 2015 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, westbound on route 1 and 1962 USS *Skate*, Capt. Joseph Lawrence Skoog, eastbound on route 1).

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 154 and 171). 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 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 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.*

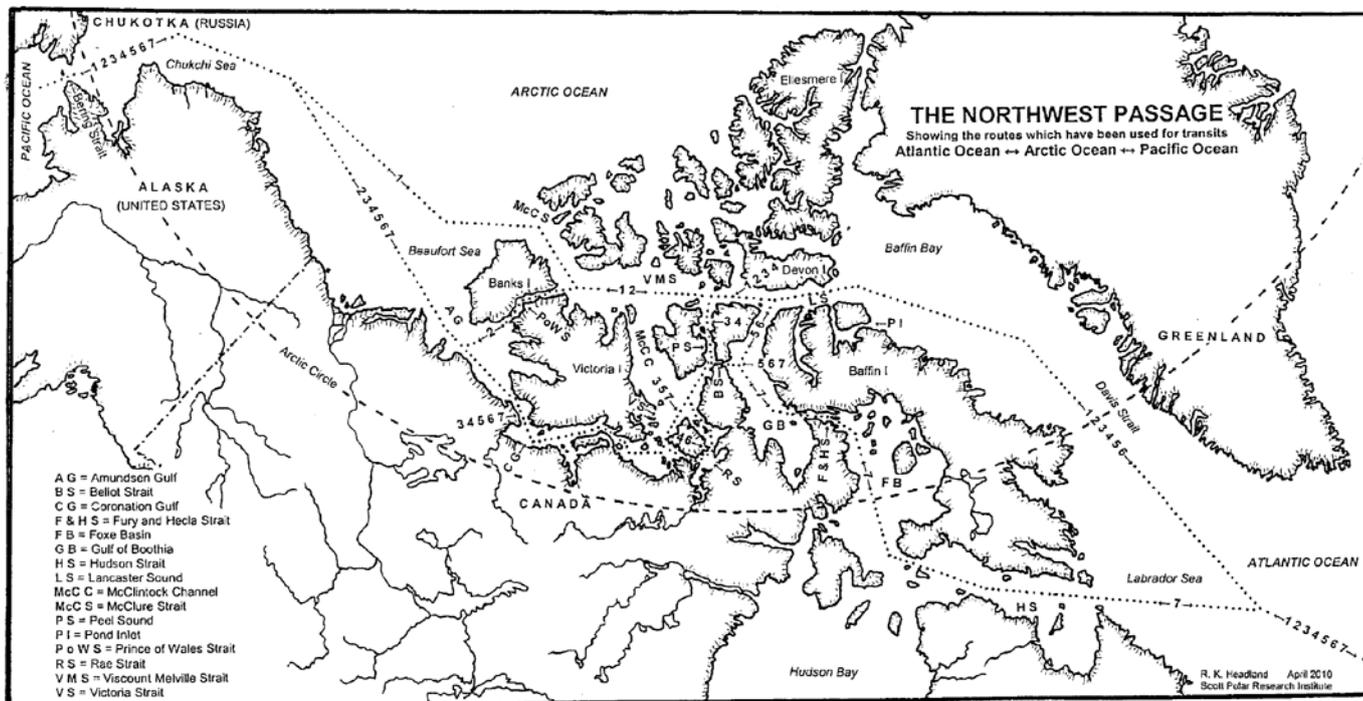
Complete transits have been made by 178 different vessels. The Russian icebreaker *Kapitan Khlebnikov* has made 17 transits, the largest number of any vessel. *Hanseatic* has made 11, *Bremen* 8 (2 with the former name, *Frontier Spirit*), and *Polar Bound* 5; 3 vessels have each made 3 transits, and 20 have made 2. More than one year was taken by 26 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: 50 from Canada, 27 United States, 24 Bahamas and Russia, 21 Britain, 20 France, 9 Cayman Islands, 6 Australia and Sweden, 5 Netherlands, New Zealand, and Poland, 4 Finland, Germany and Marshall Islands, 3 Belgium, and 2 Austria, Antigua and Barbuda, 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 50 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 12 east 4 total 16
Route 3	west 34 east 30 total 64	Route 4	west 36 east 11 total 47
Route 5	west 22 east 32 total 54	Route 6	west 19 east 30 total 49
Route 7	west 0 east 3 total 3	Composite	west 1 east 1 total 2 [marked 'Cp' in list]
All Routes		west 127 east 111 total 238	

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 several 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.

(Continued on next page)

<i>Year</i>	<i>Vessel</i>	<i>Flag</i>	<i>Master</i>	<i>Route</i>
1903-06				
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
1940-42				
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
1944				
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
1954				
4	HMCS <i>Labrador</i> (icebreaker)	Canada ³	Owen Connor Struan Robertson	West 2 First continuous circumnavigation of North America
1957				
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			
1967				
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
1969				
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
1970				
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			
1975				
14	<i>Pandora II</i> ¹ (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
1976				
17	CCGS <i>J. E. Bernier</i> ¹ (icebreaker)	Canada ¹⁰	Paul Pelland	East 3
1977				
18	<i>Williwaw</i> (13 m sloop)	Netherlands ¹	Willy de Roos	West 4 Single-handed after Gjøa Haven, continued to circumnavigate the Americas
1978				
19	CCGS <i>Pierre Radisson</i> (icebreaker)	Canada ¹¹	Patrick Robert Michael Toomey	East 2
1976-79				
20	<i>J. E. Bernier II</i> (10 m ketch)	Canada ¹²	Réal Bouvier	West 4 Wintered in Holsteinsborg/Sisimuit, Resolute, and Tuktoyaktuk
1979				
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	West 2 Circumnavigated North America

1980				
23	CCGS <i>J. E. Bernier</i> ² (icebreaker)	Canada ¹⁵	E. Chasse	East 4
24	<i>Pandora II</i> ² (hydrographic survey vessel)	Canada ¹⁶	Robin A. Jones	East 4
Both vessels circumnavigated North America				
1981				
25	CSS <i>Hudson</i> ² (research icebreaker)	Canada ¹⁷	Frederick Mauger	East 3
Circumnavigated North America				
1979-82				
26	<i>Mermaid</i> (15 m sloop)	Japan	Kenichi Horie	West 6
First single-handed voyage ¹ , wintered in Resolute and Tuktoyaktuk				
1983				
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
1984				
29	<i>Lindblad Explorer</i> ¹ (ice strengthened ship)	Sweden ¹	Hasse Nilsson	West 4
First passenger ¹ voyage				
1985				
30	USCGC <i>Polar Sea</i> ¹ (icebreaker)	United States ⁷	John T. Howell	West 2
Accompanied by CCGS John A. McDonald for part of voyage				
31	<i>World Discoverer</i> ¹ (ice strengthened ship)	Singapore ¹	Heinz Aye ¹	East 6
Carried passengers ² , traversed Pond Inlet				
1976-88				
32	<i>Canmar Explorer II</i> (drilling ship)	Canada ²⁰	Ronald Colby	West 3
Reached Beaufort Sea for oil drilling programme from 1976 until completed transit				
1983-88				
33	<i>Belvedere</i> (18 m yacht)	United States ⁸	Sven Johansson	East 6
Reached Tuktoyaktuk 1983, conducted whaling research to 1987, completed transit in 1988, traversed Pond Inlet				
1985-88				
34	<i>Vagabond II</i> ¹ (12·8 m yacht)	France ¹	Janusz Kurbiel (1985-87) and Wojciech Jacobson (1988)	East 6
Wintered in Tuktoyaktuk and twice in Gjoa Haven (where changed masters), circumnavigated North America				
1988				
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	East 5
Circumnavigated North America				
37	USCGC <i>Polar Star</i> ¹ (icebreaker)	United States ⁹	Paul A. Taylor	East 3
Accompanied by CCGS <i>Sir John Franklin</i> to Demarcation Point				
38	<i>Society Explorer</i> ² (ice strengthened ship)	Bahamas ¹	Heinz Aye ²	East 5
Carried passengers ³ , traversed Pond Inlet [formerly <i>Lindblad Explorer</i>]				
1986-89				
39	<i>Mabel E. Holland</i> (12·8 m lifeboat)	Britain ¹	David Scott Cowper ¹	West 6
Single-handed voyage ² , vessel wintered at Fort Ross twice, and at Inuvik				
1988-89				
40	<i>Northanger</i> (15 m ketch)	Britain ²	Richard Thomas ¹	West 4
Wintered in Inuvik				
1989				
41	USCGC <i>Polar Star</i> ² (icebreaker)	United States ¹⁰	Robert Hammond	West 3
Accompanied by CCGS <i>Sir John Franklin</i> to Demarcation Point				
1983-90				
42	<i>Ikaluk</i> ¹ (icebreaker)	Canada ²³	R. Cormier ¹	East 3
Reached Beaufort Sea in 1983, where worked to 1990 when completed transit				

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 West 3
Accompanied by CCGS <i>Pierre Radisson</i> to Demarcation Point			
1991			
45	<i>Canmar Tugger</i> (tug)	Canada ²⁵	L. Lorengeek East 3
1992			
46	<i>Frontier Spirit</i> ¹ (ice strengthened ship)	Bahamas ²	Heinz Aye ³ West 3
Carried passengers ⁴ , traversed Pond Inlet			
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 East 3
Carried passengers ⁵			
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 West 3
Carried passengers ⁶			
51	<i>Kapitan Khlebnikov</i> ² (icebreaker)	Russia ²	Piotr Golikov ² East 3
Carried passengers ⁷			
1994			
52	<i>Hanseatic</i> ¹ (ice strengthened ship)	Bahamas ⁴	Hartwig van Harling ¹ West 3
Carried passengers ⁸			
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 West 2
Return voyage in one season ² , carried passengers ^{9 & 10}			
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 West 5
Return voyage in one season ³ , to and from Kap York			
58	<i>Canmar Ikaluk</i> ³ (icebreaker)	Canada ²⁹	D. Connolly East 3
[formerly <i>Ikaluk</i>]			
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 East 5
Carried passengers ¹¹			
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 West 3
Carried passengers ¹² , grounded in Simpson Strait, escorted by CCGS <i>Henry A. Larsen</i> to Victoria Strait, traversed Pond Inlet			
66	<i>Kapitan Dranitsyn</i> ¹ (icebreaker)	Russia ⁶	Oleg Agafonov East 5
Carried passengers ¹³			
67	CCGS <i>Sir Wilfrid Laurier</i> (icebreaker)	Canada ³⁴	Norman Thomas ³ East 5
Escorted by CCGS <i>Louis S. St Laurent</i> for part of voyage, traversed Pond Inlet			
1997			
68	<i>Alex Gordon</i> (tug)	Canada ³⁵	Paul Misata East 5
Escorted by CCGS <i>Sir Wilfrid Laurier</i> to Franklin Strait and then CCGS <i>Pierre Radisson</i>			
69	<i>Hanseatic</i> ³ (ice strengthened ship)	Bahamas ⁶	Heinz Aye ⁵ West 3
Carried passengers ¹⁴ , escorted to Victoria Strait by CCGS <i>Henry A. Larsen</i> , traversed Pond Inlet			
70	<i>Kapitan Khlebnikov</i> ⁶ (icebreaker)	Russia ⁷	Viktor Vasiliev ² East 3
Carried passengers ¹⁵			
71	<i>Supplier</i> (tug)	Bahamas ⁷	Allan Guenter East 5
Escorted by CCGS <i>Terry Fox</i> to Victoria Strait			

1998

72	<i>Hanseatic</i> ⁴ (ice strengthened ship)	Bahamas ⁸	Heinz Aye ⁶	East 3
	Carried passengers ¹⁶ , escorted to Victoria Strait by CCGS <i>Sir John Franklin</i> , traversed Pond Inlet			
73	<i>Kapitan Khlebnikov</i> ⁷ (icebreaker)	Russia ⁸	Piotr Golikov ⁵	East 3
	Carried passengers ¹⁷			

1999

74	<i>Admiral Makarov</i> (icebreaker)	Russia ⁹	Vadim Kholodenko	East 3
75	<i>Irbis</i> (tug)	Russia ¹⁰	Aleksandr Aleksenko	East 3
	Travelled in convoy each towing a component of a steel floating dock, Korea to Caribbean			
76	<i>Kapitan Dranitsyn</i> ² (icebreaker)	Russia ¹¹	Viktor Terekhov ¹	West 3
	Carried passengers ¹⁸ , circumnavigated the Arctic ¹			
77	<i>Ocean Search</i> (12.5 m yacht)	France ²	Olivier Pitras ¹	East 6
	Traversed Pond Inlet			

2000

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	West 3
	Carried passengers ¹⁹ , traversed Pond Inlet			
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	West 3
	Carried passengers ²⁰ , circumnavigated the Arctic ²			
82	<i>Nadon</i> (17.7 m RCMP catamaran)	Canada ³⁶	Kenneth Burton	East 6
	Voyage to commemorate <i>St Roch</i> 1940-42 transit; circumnavigated North America			
83	<i>Simon Fraser</i> (icebreaker)	Canada ³⁷	Robert J. Mellis ³	East 6
	Escorted <i>Nadon</i>			

2001

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	West 1
	Return voyage in one season ⁴ , carried passengers ^{21 & 22}			
86	<i>Northabout</i> (14.9 m yacht)	Ireland (Éire)	Jarlath Cunnane	West 4
	Circumnavigated the Arctic ³			
87	<i>Turmoil</i> ¹ (46 m motor yacht)	Cayman Islands ¹	Philip Walsh	West 4
	Traversed Pond Inlet			

2001-02

88	<i>Nuage</i> (12.8 m yacht)	France ³	Michèle Demai	East 5
	Complement of mother and daughter, wintered in Cambridge Bay			

2002

89	<i>Apostol Andrey</i> (16.2 m yacht)	Russia ¹⁵	Nikolay A. Litau	East 5
	Assisted by CCGS <i>Louis S. St Laurent</i> through Prince Regent Inlet, circumnavigated the Arctic ⁴			
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
	Carried passengers ²³ , traversed Pond Inlet			
92	<i>Kapitan Khlebnikov</i> ¹⁰ (icebreaker)	Russia ¹⁶	Piotr Golikov ⁶	East 3
	Carried passengers ²⁴			
93	<i>Sedna IV</i> (51 m yacht)	Canada ³⁸	Stéphan Guy	West 5

2003

94	<i>Bremen</i> ³ (ice strengthened ship)	Bahamas ¹¹	Daniel Felgner	West 3
	Carried passengers ²⁵ , traversed Pond Inlet [formerly <i>Frontier Spirit</i>]			
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	East 5
	Carried passengers ²⁶			
97	<i>Norwegian Blue</i> (12.9 m yacht)	Britain ⁴	Andrew Wood	East 5
	Traversed Pond Inlet			
98	<i>Vagabond</i> ² (15.3 m yacht)	France ⁴	Eric Brossier	East 5
	Traversed Pond Inlet, circumnavigated the Arctic ⁵ [formerly <i>Vagabond II</i>]			

2003-04

- 99 *Dagmar Aaen*² (27 m yacht) Germany² Arved Fuchs² East 5
 Wintered in Cambridge Bay, assisted by CCGS *Louis S. St Laurent*, traversed Pond Inlet; circumnavigated the Arctic⁶
- 100 *Polar Bound*¹ (14.6 m motorboat) Britain⁵ David Scott Cowper² East 5
 Single-handed voyage³, wintered in Cambridge Bay, assisted by CCGS *Louis S. St Laurent* in Prince Regent Inlet

2004

- 101 *Kapitan Khlebnikov*¹² (icebreaker) Russia¹⁸ Pavel Ankudinov¹ East 5
 Carried passengers²⁷

2004-05

- 102 *Fine Tolerance* (13.7 m yacht) Australia¹ Philip Hogg East 6
 Wintered in Cambridge Bay, assisted by CCGS *Sir Wilfrid Laurier* and CCGS *Louis S. St Laurent* through Bellot Strait

2005

- 103 *Idlewild* (17.3 m motorboat) Canada³⁹ Benjamin Grey East 6
 Assisted by CCGS *Sir Wilfrid Laurier* and CCGS *Louis S. St Laurent* through Bellot Strait
- 104 *Kapitan Khlebnikov*¹³ (icebreaker) Russia¹⁹ Viktor Vasiliev⁶ East 3
- 105 *Kapitan Khlebnikov*¹⁴ (icebreaker) Russia²⁰ Viktor Vasiliev⁷ West 3
 Return voyage in one season⁵, carried passengers²⁸ eastbound
- 106 *Oden* (icebreaker) Sweden² Anders Wikström West 3

2003-06

- 107 *Minke I* (12.8 m yacht) Canada⁴⁰ Peter Brook East 6
 Wintered in Tuktoyaktuk and in Cambridge Bay twice

2006

- 108 *Bremen*⁴ (ice-strengthened ship) Bahamas¹² Marc Behrend¹ West 4
 Carried passengers²⁹, traversed Pond Inlet
- 109 *Kapitan Khlebnikov*¹⁵ (icebreaker) Russia²¹ Pavel Ankudinov² East 7
 Carried passengers³⁰
- 110 *Nekton* (13.6 m yacht) Poland¹ Tadeusz Natanek West 6
- 111 *Sary* (13.5 m yacht) Poland² Dominik Bac, Jacek Waclawski, and Sławek Skalmierski West 6
 Travelled in company, traversed Pond Inlet (changed masters at Cambridge Bay and Tuktoyaktuk)

2007

- 112 *Babouche* (7.5 m catamaran) France⁵ Sébastien Roubinet East 5
- 113 *Cloud Nine* (17.3 m ketch) United States¹⁴ Roger Swanson West 4
- 114 *Hanseatic*⁷ (ice strengthened ship) Bahamas¹³ Ulf Wolter¹ West 5
 Carried passengers³¹
- 115 *Kapitan Khlebnikov*¹⁶ (icebreaker) Russia²² Viktor Vasiliev⁸ East 5
 Carried passengers³²
- 116 *Luck Dragon* (12.1 m yacht) Britain⁶ Jeffrey Allison West 3
 Vessel abandoned and lost during a storm in Bering Sea

2005-08

- 117 *Arctic Wanderer* (11.9 m yacht) United States¹⁵ Gary E. Ramos East 6
 Single-handed voyage⁴, wintered in Cambridge Bay thrice

2008

- 118 *Amodino* (23 m yacht) Spain Juan Ribos East 4
- 119 *Baloum Gwen*¹ (14.9 m yacht) Belgium¹ Thierry Fabing¹ West 4
- 120 *Berrimilla* (10 m yacht) Australia² Alexander Whitworth East 4
- 121 *Bremen*⁵ (ice-strengthened ship) Bahamas¹⁴ Ulf Wolter² West 5
 Carried passengers³³
- 122 *Peter Faber* (cable layer) France⁶ Robert Hansen East 3
- 123 *Geraldine* (14 m yacht) United States¹⁶ Walter Jones West 3
- 124 *Southern Star* (23.7 m yacht) France⁷ Olivier Pitras² West 4
- 125 *Tyhina* (10.4 m yacht) New Zealand² Peter Elliott West 4

2009

- 126 *Apoise* (67 m motor vessel) Canada⁴¹ David Ritchie West 4
- 127 *Bagan* (17.4 m motorboat) United States¹⁷ Clinton Bolton West 4

128	<i>Bremen</i> ⁶ (ice-strengthened ship)	Bahamas ¹⁵	Marc Behrend ²	West 4 Carried passengers ³⁴ , traversed Pond Inlet
129	<i>Baloum Gwen</i> ² (14.9 m yacht)	Belgium ²	Thierry Fabing ²	East 6 Return voyage
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	East 4
134	<i>Ocean Watch</i> (19.2 m yacht)	United States ¹⁹	Mark Schrader	Carried passengers ³⁵ , voyage included a return transit of Bellot Strait from Peel Sound
	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	West 5 Single-handed voyage 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	East 6 Traversed Pond Inlet
2010				
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	West 3 Single handed voyage ⁶
141	<i>Dione Sky</i> ² (46 m motor yacht)	Cayman Islands ²	Brian Harrison	West 2 [formerly <i>Turmoil</i>]
142	<i>Hanse Explorer</i> ¹ (48 m motor yacht)	Antigua and Barbuda ¹	Bernd Buchner	West 3 Carried Passengers ³⁶ , traversed Pond Inlet
143	<i>Hanseatic</i> ⁹ (ice-strengthened ship)	Bahamas ¹⁷	Thilo Natke ⁴	West 4 Carried Passengers ³⁷ , traversed Pond Inlet
144	<i>Kapitan Khlebnikov</i> ¹⁷ (icebreaker)	Russia ²³	Anatoliy Kovalenko	East 5 Carried passengers ³⁸
145	<i>Octopus</i> ¹ (128 m motor yacht)	Cayman Islands ³	Glenn Dalby ¹	West 2 Traversed Pond Inlet
146	<i>Rx II</i> (11 m yacht)	Norway ²	Trond Aasvoll	East 4 Circumnavigated the Arctic ⁷
147	<i>Sarema</i> (15.2 m yacht)	Finland ¹	Pekka Kauppila	East 4 Traversed Pond Inlet
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	West 3 Traversed Pond Inlet
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	West 4 Wintered in Inuvik
2011				
152	<i>Arcadia</i> (35.8 m motor yacht)	Cayman Islands ⁵	James Pizzaruso	West 5 Traversed Pond Inlet
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	East Cp Composite course: McClure Strait, Prince of Wales Strait, and then route 4; carried passengers ³⁹
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	Matthew Rutherford	West 3 Single-handed voyage ⁷ , circumnavigated the Americas
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	West 5

Both wintered in Cambridge Bay

2012

168 <i>Belzebub II</i> (9.4 m yacht)	Sweden ⁵	Edvin Buregren	West 1 Also visited Grise Fjord
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	West Cp
172 <i>Coriolis 14</i> (25 m yacht)	France ¹²	Richard Mergeaux	West 2
173 <i>Dodo's Delight¹</i> (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	West 2
176 <i>Hanseatic¹⁰</i> (ice-strengthened ship)	Bahamas ²⁰	Thilo Natke ⁵	East 5 Conveyed 50 400 m ³ hydrocarbon cargo
177 <i>Jonathan III</i> (14.9 m yacht)	Netherlands ²	Mark van de Weg	West 4 Carried passengers ⁴⁰ , circumnavigated Cornwallis Island
178 <i>Katharsis II</i> (21.9 m yacht)	Britain ¹³	Mariusz Koper	West 3 Made a return transit of Bellot Strait
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	West 3 Made a return transit of Bellot Strait
181 <i>Octopus²</i> (128 m motor yacht)	Cayman Islands ⁷	Glenn Dalby ²	West 2
182 <i>Philos¹</i> (15.2 m schooner)	Australia ⁴	Roger Wallis ¹	West 4
183 <i>Polar Bound⁴</i> (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 Sævik	East 5
186 <i>Tokimata</i> (13.1 m yacht)	New Zealand ⁵	Peter Garden	East 5 Carried resident passengers ⁴¹ ; traversed Pond Inlet
187 <i>Upchuk</i> (15.8 m motor yacht)	Britain ¹⁶	Frank Rothwell	East 4 Traversed Pond Inlet

2012-13

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

2013

190 <i>Anna²</i> (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>Bremen⁸</i> (ice-strengthened ship)	Bahamas ²²	Roman Obrist	East 3 Carried passengers ⁴² ; assisted by CGCS <i>Henry Larsen</i>
193 <i>d'Acalèphe</i> (13.9 yacht)	Canada ⁴⁵	Jean-Gilles Lemieux	West 5
194 <i>Dodo's Delight²</i> (10.1 m yacht)	Britain ¹⁷	Robert Shepton ²	East 5
195 <i>Hanse Explorer²</i> (48 m motor yacht)	Antigua and Barbuda ²	Jens Köthen	West 5 Carried passengers ⁴³
196 <i>Hanseatic¹¹</i> (ice-strengthened ship)	Bahamas ²³	Mark Behrend ⁴	West 5 Carried passengers ⁴⁴ , traversed Pond Inlet
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	West 5
200 <i>Le Soléal</i> (cruise vessel)	France ¹⁴	Etienne Garcia ¹	West 6 Carried passengers ⁴⁵ ; assisted by CGCS <i>Henry Larsen</i> , traversed Pond Inlet
201 <i>Libellule</i> (14.3 m catamaran)	Switzerland ²	Philip Cottier	West 5 Traversed Pond Inlet, assisted by CGCS <i>Henry Larsen</i>
202 <i>Michaela Rose</i> (49.4 m motor yacht)	Britain ¹⁸	Tom Noorman	East 5 Assisted by CGCS <i>Henry Larsen</i>

203	<i>Nordic Orion</i> (ice-strengthened bulk cargo vessel)	Panama	Sergey Danilov	East 3
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				
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	West 6
Traversed Pond Inlet				
206	<i>Polar Bound</i> ⁵ (14.6 m motor boat)	Britain ¹⁹	David Scott Cowper ⁶	East 5
Traversed Pond Inlet				
207	<i>Polar Prince</i> (94.1 m icebreaker)	Canada ⁴⁶	Andrew Barry	East 5
Traversed Pond Inlet				
208	<i>Traversay III</i> (13.7 m yacht)	Canada ⁴⁷	Laurence Roberts	West 5
Assisted by CGCS <i>Henry Larsen</i>				
2013-14				
209	<i>Empiricus</i> (15.2 m yawl)	United States ²³	Jesse Osborn	East 6
Traversed Pond Inlet				
210	<i>Gitana</i> (13.4 m schooner)	United States ²⁴	Michael Johnson	West 6
Both wintered in Cambridge Bay				
211	<i>Le Manguier</i> (21.1 m motor vessel)	France ¹⁵	Philippe Hercher	East 6
Wintered in Paulatuk				
2014				
212	<i>Altan Girl</i> (13.4 m motor vessel)	Canada ⁴⁸	Erkan Gursoy	East 6
Single handed voyage ⁸ , rescued by USCG <i>Healy</i> off Point Barrow, assisted by <i>Tandberg Polar</i> through Bellot Strait				
213	<i>Arctic Tern UK</i> (13.1 m sloop)	Britain ²⁰	Alison Parsons	West 6
214	<i>Drina</i> (16.8 m ketch)	Australia ⁵	Michael Thurston	West 6
215	<i>Lady Dana 44</i> (14.3 m sloop)	Poland ⁴	Ryszard Wojnowski	East 6
Circumnavigated the Arctic ⁹				
216	<i>Latitude</i> ¹ (44.5 m motor yacht)	Cayman Islands ⁹	Sean Meagher ¹	West 6
217	<i>L'Austral</i> (cruise vessel)	France ¹⁶	Patrick Merchessead	West 4
Carried passengers ⁴⁷ , assisted by CCGC <i>Pierre Radisson</i> in Bellot Strait				
218	<i>Novara</i> (18.3 m schooner)	Britain ²¹	Stephen Brown	West 6
219	<i>Nunavik</i> (ice-strengthened bulk cargo vessel)	Marshall Islands ³	Randy Rose	West 2
Conveyed 23 000 tonnes of nickel concentrate to China, circumnavigated North America				
220	<i>Silver Explorer</i> (cruise vessel)	Bahamas ²⁴	Alexander Golubev	West 5
Carried passengers ⁴⁸ , assisted by CCGC <i>Pierre Radisson</i> in Victoria Strait				
221	<i>Triton</i> (50 m motor vessel)	Marshall Islands ⁴	Paul Jones	East 6
2014-15				
222	<i>Gjoa</i> (13.1 m yacht)	Canada ⁴⁹	Glenn Bainbridge	West 6
Assisted by <i>Akademik Sergey Vavilov</i> in Bellot Strait; wintered at Cambridge Bay				
223	<i>Philos</i> ² (15.2 m schooner)	Australia ⁶	Roger Wallis ²	East 6
Wintered Cambridge Bay				
2015				
224	<i>Aventura</i> (14 m sloop)	Britain ²²	James (Jimmy) Cornell,	East 6
225	<i>Bagheera</i> (16 m cutter)	Netherlands ⁴	Erik de Jong	West 3
226	<i>Drifter Way</i> (14.9 m ketch)	Canada ⁵⁰	Robert Graf	West 3
Single handed voyage ⁹				
227	<i>Fennica</i> (100 m multipurpose icebreaker)	Finland ³	Tommy Berg	East 3
Travelled in company with <i>Nordica</i>				
228	<i>Hawk</i> (12.8 m sloop)	United States ²⁵	Joe Wolff	West 4
Made a return transit of Bellot Strait				
229	<i>La Chimère</i> (10 m sloop)	France ¹⁷	Emanuel Wattecamps-Etienne	West 4
Single-handed voyage ¹⁰ , vessel abandoned during a storm in Gulf of Alaska, skipper rescued by United States Coast Guard.				
230	<i>Latitude</i> ² (44.5 m motor yacht)	Cayman Islands ¹⁰	Sean Meagher ²	East 5
231	<i>Le Boreal</i> (cruise vessel)	France ¹⁸	Etienne Garcia ²	West 6
Carried passengers ⁴⁹				
232	<i>Le Soléal</i> (cruise vessel)	France ¹⁹	Patrick Marchesseau	West 6
Carried passengers ⁵⁰				
233	<i>Necton</i> (14.0 m ketch)	Netherlands ⁵	Aldert Hesseling	East 6
234	<i>Nordica</i> (100 m multipurpose icebreaker)	Finland ⁴	Matti Westerlund	East 3
Travelled in company with <i>Fennica</i>				
235	<i>Salty</i> (19.8 m cutter)	United States ²⁶	Carl Zaniboni	West 3
236	<i>Selma</i> (20.4 m ketch)	Poland ⁵	Piotr Kuźniar	West 6
237	<i>Snow Dragon II</i> (14.9 m yacht)	United States ²⁷	Frances Brann	West 3

238 <i>Tiama</i> (12 m yacht)	France ²⁰	Jean Michel	West 4
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Vessel underway but wintering during transit

2015-16?

<i>Maia</i> (11 m yacht)	Hungary	Zoltán Balaton	West 3 Wintering in Tuktoyaktuk
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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* with escort vessels which reached the Arctic coast of Alaska in 1969 from the Atlantic Ocean, but did not continue to the Pacific Ocean. Similarly constraints are applied to voyages terminating in Pond Inlet or other locations north of Davis Strait or the coast of Greenland. Such voyages, and one where the vessel carried partly as deck cargo aboard a Canadian icebreaker, are similarly not regarded as complete transits of the Northwest Passage. Incomplete transits are too numerous to record.

Data: the list is subject to revision and confirmation when additional information and improved details are 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.