

PAME I-2015 Agenda Item 4.3 (b)

AMSA Recommendation I(B)

Summary of Cruise Tourism in Canadian Arctic Waters for 2011, 2012 and 2013

Background

AMSA Recommendation I(D) provides:

“[T]he Arctic states should support the application of the IMO’s Enhanced Contingency Planning Guidance for Passenger Ships Operating in Areas Remote from SAR Facilities, given the extreme challenges associated with rescue operations in the remote and cold Arctic region; and strongly encourage cruise ship operators to develop, implement and share their own best practices for operating in such conditions, including consideration of measures such as timing voyages so that other ships are within rescue distance in case of emergency.”

The PAME II-2014 working group meeting adopted a record of decision “inviting member government to submit to PAME I-2015 information on the volume, composition, size and destinations of cruise tourism within Arctic waters subject to their jurisdiction for 2011, 2012 and 2013 as well as information on the Arctic cruise tourism operators and the names of the ships they use”. In response to this invitation Canada submits the following information for the consideration of PAME:

Data Sources & Disclaimers

The information contained within this paper comes from correlated reporting from a variety of sources, including the Government of Canada’s Marine Security Operations Centre (MSOC) East partner departmental sources. The major sources for this data are the Canadian Coast Guard Marine Communications and Traffic Service (MCTS) in Iqaluit and Transport Canada Pre-Arrival Information Reports (PAIR). Information is also obtained from various other government reporting systems, as well as space and terrestrial based Automatic Identification System (AIS) reporting. The major data source

for smaller, non reporting traffic is through internet research conducted by members of MSOC East.

For the purpose of the information contained within this report, the boundaries used to define Canada’s Arctic are those found within the [NORDREG zone](#) under Canadian Coast Guard and Transport Canada Regulations. The definition of a “voyage” is defined here as entry into, activity within, and exit from the NORDREG zone.

While efforts are made to ensure the accuracy of the information contained within this paper, variations in terminology and reporting methodologies may result in different reporting numbers.

Canadian Arctic Cruise Ship and Pleasure Craft Activity (2011)

Pleasure Craft

The table below shows the 33 pleasure craft known to have operated in the Canadian Arctic during the 2011 summer navigation season. “Not Scheduled” under the Northwest Passage (NWP) Transit column means the vessel did not intend nor complete a NWP Transit.

Pleasure craft mark the single hardest sector of Arctic traffic to monitor. Due to the nature of the regulations in place, the majority of these vessels are not required to report to MCTS and do not carry AIS or other positional reporting equipment. For the most part, those pleasure craft that enter the region do so intending to transit the Northwest Passage and generally only conduct a single voyage per season.

Name	Vessel Type	Nationality	NWP Transit
Santa Maria Australis	20 m ketch	Germany	Complete (E to W)
Rus	12 m Polynesian style trimaran with sail/motor	Russia	Complete (E to W)
Teleport	North Atlantic 29 junk-rig sailboat	Australia	Cambridge Bay (to finish transit in 2012)
St Breandan	Albino Vega 27 sailboat	United States	Complete (E to W)

Anna	35 foot sailboat	Sweden	Complete (E to W)
Skog and Gjeldnes	Foldable canoe	Norway	Not Scheduled
Arctic Endeavour	Converted small fishing vessel	Canada	Not Scheduled
Belzebub II	Hallsberg-Rassy Monsun 31 sailboat	Canada/Sweden	Began (delayed to 2012)
Asteria	Luxury 48 m converted tug	Cayman Islands	Complete (E to W)
Ti-Babouche	Hybrid catamaran	France	Not Scheduled
Turk, Bradt And Boomer	Kayaks	United States	Not Scheduled
Old Pulteney Row	Custom rowboat	United Kingdom	Not Scheduled
Kotuku	Single masted steel hulled sailboat	New Zealand	Completed (W to E)
Leava	Single masted aluminum hulled	Belgium	(W to E) Believed Complete
Wanderbird	Renovated 90 ft Dutch fishing boat	United States	Not Scheduled
Issuma	15 m steel hulled staysail schooner	Canada	Completed (E to W)
Akula	Converted 59m pilot vessel	United Kingdom	Not Scheduled
Vagabond	Expedition yacht	France	Not Scheduled
Billy Budd	112 ft motor yacht	United Kingdom	Not Scheduled
Pangaea	35 m aluminum expedition yacht	South Africa	Completed (W to E)
Aku Aku	Sailboat	Denmark	(E to W) Believed Complete
Chamade	Sailboat	France	Completed (E to W)
Indigo	35 m yacht	Marshall Islands	Completed (E to W)
Imvubu	53 ft Barents Seatrader sailing yacht	South Africa	Completed (E to W)

Eshamy	16 m Amel 51 Mango	United Kingdom	Completed (E to W)
Polar Bound	14.6 m motor yacht	United Kingdom	Completed (W to E)
Hannah	36 ft gaff ketch	United Kingdom	Not Scheduled
Andante	Gale Force sailboat	Unknown	Not Scheduled
Polaris	Sailboat	Germany	Unknown
Morgan's Cloud	56 ft custom McCurdy and Rhodes	United States/ Bermuda	Unknown
Muktuk	47 ft steel sloop	Austria	Completed (E to W)
Dardanella	37 m expedition yacht	United Kingdom	Not Scheduled
Arcadia	117 super yacht	Cayman Islands	Completed (E to W)

Cruise Ships

In 2011 seven unique cruise ships (making a combined total of 11 voyages) operated within the Canadian Arctic (note: only six of the seven are captured in the table below). Cruise ship activity in 2011 decreased from 2010, likely in part due to the economic climate. Cruise ships made up 4% of the total traffic and 3% of all known voyages in the Canadian Arctic in 2011.

Name	Flag	Length Overall (LOA)	Ice Class	Passengers (approx.)	Crew (approx.)	Tour Operator	Scheduled Canadian Arctic Start/End Destinations (if applicable)
Akademik Ioffe (aka One Ocean Ioffe)	Russia	117 m	1A2	96	70	One Ocean Expeditions	Resolute, Grise Fjord, Kugluktuk, Iqaluit

Bremen	Bahamas	111 m	E4	164	100	Hapag Lloyd	N/A
Clipper Adventurer	Bahamas	100 m	1A	118	69	Adventure Canada / Students on Ice	Kuujuuaq, Kugluktuk
Hanseatic	Bahamas	122.7 m	E4	184	125	Hapag Lloyd	N/A
Le Boreal	France	141.2 m	1C	246	136	Compagnie du Ponant	Iqaluit
Ocean Nova	Bahamas	73 m	1A	96	34	Quark Expeditions	Iqaluit

Canadian Arctic Cruise Ship and Pleasure Craft Activity (2012)

Pleasure Craft

The table below identifies the 24 pleasure craft known to have operated in the Canadian Arctic during the 2012 season *without* undertaking a Northwest Passage transit:

Pleasure Craft Active in the Canadian Arctic (not transiting the NWP)	Vessel Type	Nationality
Vagabond	Custom designed expedition yacht	France
Wanderbird	Renovated 90ft Dutch Fishing Vessel	United States
Bagheera	Custom polar sailing vessel	Netherlands
Noah Nochasak And Partners	Custom built kayaks	Canada and United States
Hannah	36 ft gaff ketch	United Kingdom
Arctic Row	29 ft 4 man custom rowboat	United States
Unidentified Bayliner	Bayliner 47	Canada

Taravana	12 m sailboat	France
V'limeuse	14 m custom 1976 built sailboat	Canada/France
Dorothy Ann	38 m custom luxury yacht	United States
T/T Dorothy Ann	Custom independently operating yacht tender	United States
La Louise	20m schooner	France
Dangerous Waters	5 Jet Skis	United States
Arctic Tern I	50 ft. ice-capable, steel expedition sailboat	Canada
Grendel	11 m sailing vessel	United States
Plum	22 m pleasure craft	Malta
Cape Race	90 ft converted deep-sea trawler	United States
Neptune	49m research vessel	Iceland
Frank's B	Yacht	United States
Tooluka	14 m Freya steel hulled sailing vessel	Netherlands
Ceilita	46 ft J-46 sloop	United States
Sanna	32 m research	Greenland
Martin Bergmann	19 m former fishing refitted as research	Canada

The following table identifies the 23 pleasure craft that conducted Northwest Passage transits in 2012 (17 going East to West and six going West to East):

Name	Vessel Type	Nationality	Nwp Transit
Belzebug II	Hallsberg-Rassy Monsoon 31	Canada/Sweden	East to West

Teleport	North Atlantic 29 Junk Rig	Australia	Partial East to West
Jonathan III	15 m custom polar Koopman's	Netherlands	East to West
Scorpius	30 m Jongert sailing sloop	Malta Flagged Russian crewed	West to East
Best Explorer	17 m centerboard steel cutter	Italy	East to West
Dodo's Delight	10 m Westerly Discus	United Kingdom	East to West
Philos	14.4 m steel yacht	Australia	East to West
Upchuck	50 ft Nauticat 515	United Kingdom	West to East
Katharsis II	22m Oyster 72	Poland	East to West
Fortrus	34 m luxury yacht	Australia	East to West
Nordwind	1939 built 85ft wooden yawl	United Kingdom	East to West
Tomikata	43 ft cutter	New Zealand	West to East
Roxane	10.65 m Jeanneau sloop	France	Partial East to West
Billy Budd	118 ft Marconi sloop	United Kingdom	East to West
Sol	42 ft Beneteau	Denmark	West to East
Tranquilo	56 ft Bestevaer aluminum sloop	Netherlands	West to East
Beothuk	70 ft motor yacht	Cayman Islands	East to West
Lena	43 ft sloop	Finland	West to East
Polar Bound	14.6 m custom polar motor vessel	United Kingdom	East to West
Coriolis 14	24.84 m custom cruising sailboat	France	East to West
Octopus	126 m custom luxury yacht	Cayman Islands	East to West
Marguerite I	52 ft aluminum sloop	France	East to West

Balthazar	35 ft centreboard steel sloop	Canada	East to West
-----------	-------------------------------	--------	--------------

Cruise Ships

Cruise ship activity in 2012 decreased by one vessel from 2011. Cruise ships made up 3.5% of the total traffic and 2.8% of known voyages in the Canadian Arctic in 2011.

Name	Flag	Length Overall (LOA)	Ice Class	Passengers (approx.)	Crew (approx.)	Tour Operator	Scheduled Canadian Arctic Voyages (2012)	Scheduled Canadian Arctic Start/End Destinations (if applicable)
Akademik Ioffe (aka One Ocean Ioffe)	Russia	117 m	1A2	96	70	One Ocean Expeditions	5	Iqaluit, Kugluktuk
The World	Bahamas	196 m	1C	100-300	343	ResidenSea	1	N/A
Clipper Adventurer	Bahamas	100 m	1A	118	69	Adventure Canada / Students on Ice	5	Resolute, Kugluktuk,
Hanseatic	Bahamas	122.7 m	E4	184	125	Hapag Lloyd	1	N/A
Le Boreal	France	141.2 m	1C	246	136	Compagnie du Ponant	3	Iqaluit
Caledonian Sky	Bahamas	90.6 m	N/A	114	74	Noble Caledonia	1	N/A

Canadian Arctic Cruise Ship and Pleasure Craft Activity (2013)

Pleasure Craft

A total of 42 unique pleasure craft (conducting a combined total of 44 voyages) were found to have operated within the Canadian Arctic in 2013. (Note: No confirmed breakdown of specific vessel information was available for the production of this PAME paper).

Cruise Ships

Cruise ship activity in 2013 increased by three vessels. Cruise ships made up 4.9% of the total traffic and 4.9% of known voyages in the Canadian Arctic in 2013.

Name	Flag	Length Overall (LOA)	Ice Class	Passengers (approx.)	Crew (approx.)	Tour Operator	Scheduled Canadian Arctic Voyages (2013)	Scheduled Canadian Arctic Start/End Destinations (if applicable)
Akademik Ioffe (aka One Ocean Ioffe)	Russia	117 m	1A2	96	70	One Ocean Expeditions	3	Iqaluit, Cambridge Bay
Bremen	Bahamas	111.5 m	FS 1A Super	164	100	Hapag Lloyd	1	N/A
Sea Adventurer	Bahamas	100 m	1A	118	68	Adventure Canada/ Students on Ice	7	Kuujuaq, Resolute, Kugluktuk
Hanseatic	Bahamas	123 m	FS 1A Super	184	125	Hapag Lloyd	1	N/A
Le Boreal	France	141.2 m	FS 1C	264	139	Compagnie	2	N/A

						du Ponant		
Cape Race	USA	38.1 m	N/A	10	N/A	Arctic Kingdom	1	Kimmirut
Le Soleal	Italy	142.6 m	N/A	264	139	Compagnie du Ponant	2	N/A
National Geographic Explorer	Bahamas	112 m	FS 1C	148	71	Lindblad Expeditions	3	Iqaluit
Silver Explorer	Bahamas	108 m	FS 1A	132	117	Silversea Expeditions	2	N/A