



**FISKERIDIREKTORATET**

The Norwegian Directorate of Fisheries



**KYSTVERKET**

The Norwegian Coastal Administration

## **REPORT FROM THE SECTION OF ANALYSIS IN VARDØ**

*This report has been prepared by the Section of Analysis in Vardø.  
Further publication and use of this report is decided by the recipient.*

Our reference: 2020 06 06 "Solveiga" YL2982

Date of issue: 28 October 2021

### **Recipient:**

This report was requested by the Ministry of Foreign Affairs, the Section for Treaty Law, Environmental Law and Law of the Sea

The order was received June 19<sup>th</sup> 2020

### **The content of the order:**

The Latvian company SIA North Star has filed for an arbitration case against Norway for the ICSID (International Centre of Settlement of Investment Disputes).

In this regard, the Ministry of Foreign Affairs have ordered an analysis based on AIS- tracking data for the vessels: "Saldus" YL2888, "Solveiga" YL2982, "Solvita" YL2843 and "Senator" YLAC, and their activity concerning snow crab harvesting in the Loop Hole in the Barents Sea.

The analysis shall also include the quantity of snow crab the vessels have caught and the time the vessels have spent respectively on the Norwegian and the Russian Shelves in the Loop Hole with speed < 6 knots.

Executive officer(s): 2001, 2002, 2007

Phone: + 47 789 89 898

## Summary

### **Arrival and harvesting of snow crab**

“Solveiga” arrived in Norway on March 20<sup>th</sup> 2015. In the period from March 31<sup>st</sup> 2015 until September 5<sup>th</sup> 2016 “Solveiga” was harvesting snow crab in the Loop Hole in the Barents Sea.

### **Voyages**

During this period “Solveiga” had 31 voyages with catch of snow crab. 28 of the voyages ended in Båtsfjord port, two voyages ended in Svartnes, Vardø port and one voyage ended in Kjøllefjord port. For two of the 31 voyages the catch was divided between Båtsfjord port and either Kjøllefjord port or Svartnes port.

“Solveiga” had no voyages with possible harvesting activity on the Norwegian continental shelf in the Loop Hole.

### **Landingnotes**

We have registered a total of 34 landingnotes for “Solveiga” This is based on information from the Norwegian Fishermen’s Sales Organization.

## Summary of all voyages

Figure 1 "Solveiga" summary all voyages

<b>Solveiga YL2843</b>		
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	7222,68	
Total hours < 6 knots	7222,68	
Percent time on Russian Shelf < 6 knots		100,00 %
Percent time on Norwegian Shelf < 6 knots		0,00 %
Snow crab landed live in kilo (total)		1 388 075
Seagourmet Norway AS	1 202 971	
Arctic Catch AS, Svartnes	156 284	
Norway Seafoods AS, Kjøllefjord	28 820	
Total catch Russian Shelf	1 388 075	100 %
Total catch Norwegian Shelf	0	0,00 %

The table above shows the summary of all voyages for "Solveiga" harvesting snow crab in the Loop Hole.

The table shows that "Solveiga" had no periods < 6 knots with possible harvesting on the Norwegian continental shelf in the Loop Hole. The total period of harvesting on the Russian continental shelf in the Loop Hole is calculated to be 7 222,68 hours. This is 100 percent of the total calculated harvesting time for 31 voyages.

"Solveiga" landed a total of 1 388 075 kilos snow crab in live weight. The catch from "Solveiga" was delivered to three factories. The rows show the quantity of catch delivered to each factory.

The last rows show the quantity and percent of catch caught on the Russian- and the Norwegian continental shelf in the Loop Hole. All the snow crab was caught on the Russian continental shelf in the Loop Hole.

### The time after snow crab harvesting

After its last delivery of snow crab on September 6<sup>th</sup> 2016, "Solveiga" had two voyages in the Loop Hole with no delivery of catch. "Solveiga" was then laid up in Båtsfjord port until December 5<sup>th</sup> 2017.

Under Russian flag, "Solveiga" sailed to South Korea with arrival at the end of January 2018. At the moment (June 2020) "Solveiga" is sailing in the Okhotsk Sea.

## Inspections

"Solveiga" has not been inspected by Norwegian Authorities.

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## 1. “Solveiga” YL2982

The object for this report is the vessel “Solveiga” with IMO ship identification number 8520173, MMSI 275461000 and callsign YL2982. “Solveiga” ‘s gross tonnage is 497 metric tons and length overall is 55,75 meters.

*Figure 2 “Solveiga” YL2982*



Photo of “Solveiga” YL2982

Figure 3 “Solveiga” historical information

Registration

Last Updated: 07 Jul 2020


Name:

Solveiga Since: Before 02 Dec 2014

Name History

Name	From	Until
Saratoga	Before 06 Dec 2012	01 Dec 2014
Salida	Before 27 Jul 2010	05 Dec 2012
Sigma	Before 25 Feb 2008	26 Jul 2010
Mys Omgon	Before 31 Dec 2007	24 Feb 2008
Costa Blanca	Before 20 Mar 2007	30 Dec 2007
Arina	Before 26 Sep 2006	19 Mar 2007
Sumiyoshi Maru No.11	After 01 Jan 1986	25 Sep 2006

Flag:

 Russia Since: Before 01 Oct 2017

Flag Official Number:

Flag History

Flag	Flag Official Number	Call Sign	MMSI	Port Of Registry	From	Until
LVA		YL2892	275461000	Riga	Before 16 Jan 2015	Before 30 Sep 2017
RUS		UEOA	273377520	Nevelsk	Before 02 Dec 2014	Before 15 Jan 2015
KHM		XUQG7	515664000	Phnom Penh	Before 25 Feb 2008	Before 01 Dec 2014
RUS		UBGE9		Nevelsk	Before 31 Dec 2007	Before 24 Feb 2008
KHM				Phnom Penh	Before 26 Sep 2006	Before 30 Dec 2007
JPN		JBGV	431101230	Miura	After 01 Jan 1986	Before 25 Sep 2006

Call Sign:

UEOA

IMO:

8520173

MMSI:

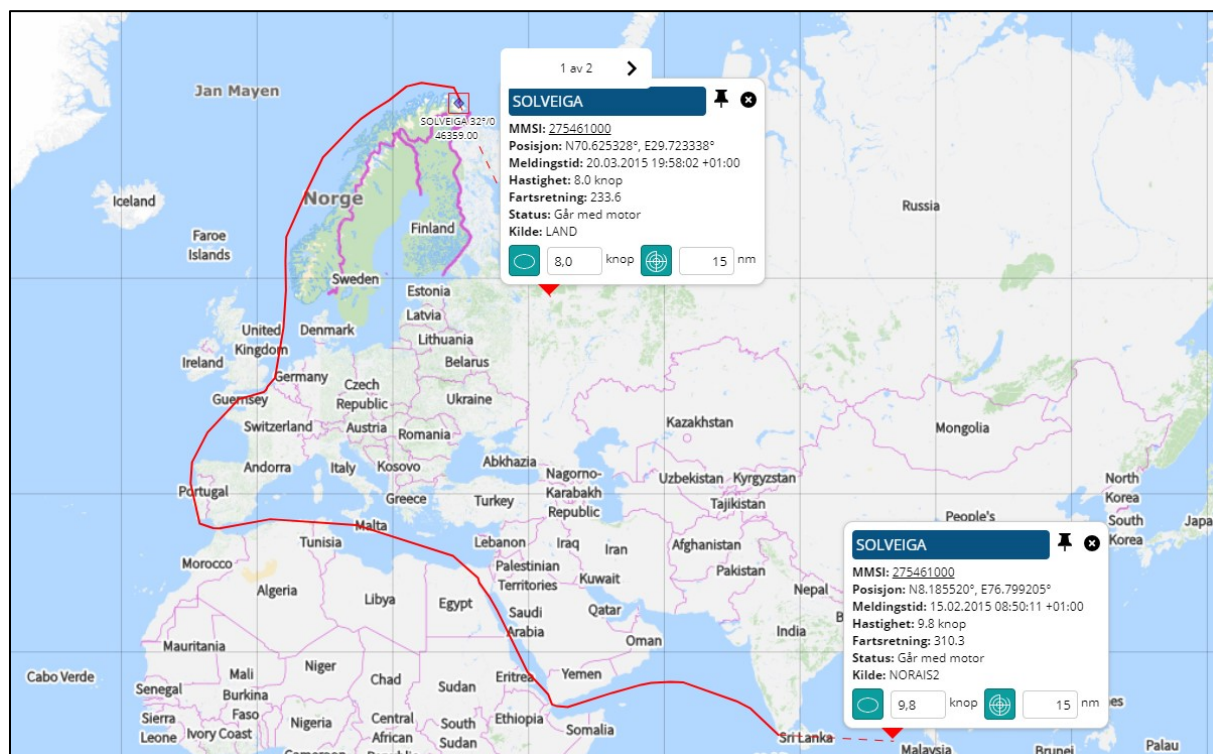
273377520

Port Of Registry:

The figure above shows the name history and flag history of “Solveiga”. “Solveiga” was flagged to Latvia in the period from January 2015 and until October 2017. “Solveiga” is now Russian flagged.

### 1.1 “Solveiga” YL2982 arrival to Norway

Figure 4 “Solveiga” YL2982 voyage to Norway



“Solveiga” arrived in Norway on March 20<sup>th</sup> 2015.

The first AIS-position we registered for “Solveiga” was on February 15<sup>th</sup> 2015. At that time “Solveiga” was in the Indian EEZ. The voyage ended in Norway.

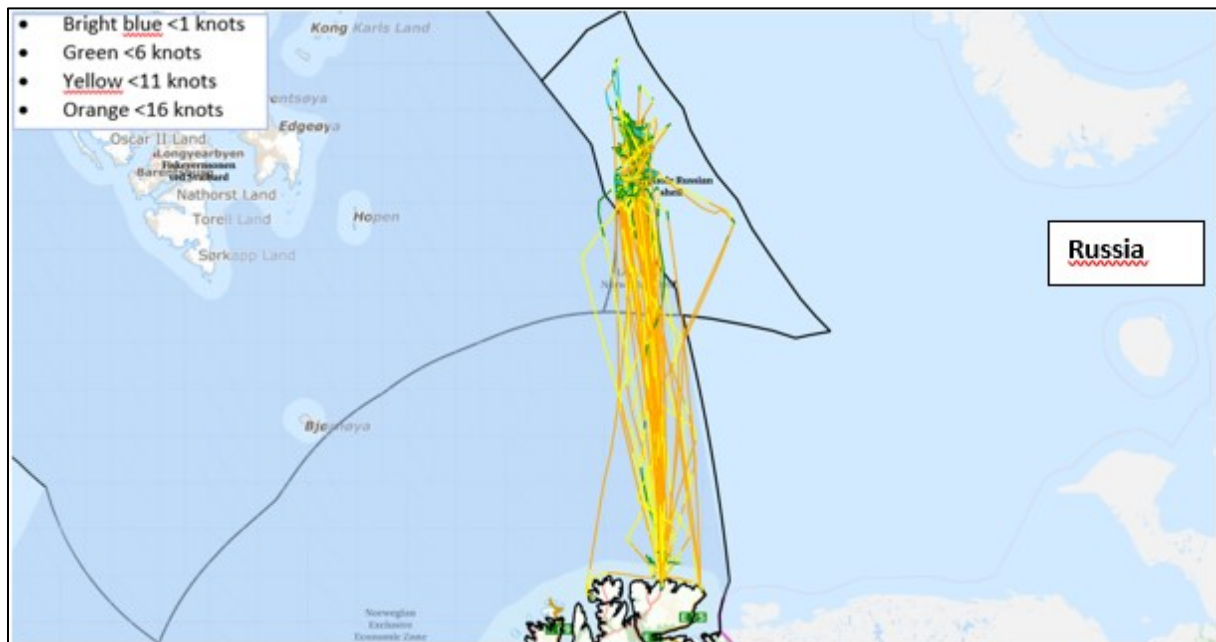
From April 2015 until September 2016 the vessel was harvesting snow crab in the Loop Hole in the Barents Sea.

All catch of snow crab was delivered live in Norway. “Solveiga” is registered with a total of 34 landing notes for snow crab (*Chionoecetes Opilio*) divided on 31 voyages. The total catch was 1 388 075 kilos snow crab in live weight. All the snow crab was caught on the Russian continental shelf in the Loop Hole.

“Solveiga” had two further voyages without any delivery of catch after the last landing of snow crab in September 2016.

## 1.2 “Solveiga” tracks for snow crab in the Barents Sea

Figure 5 “Solveiga” tracks for snow crab



The picture above shows tracks for “Solveiga” in the Barents Sea during the period from April 2015 until the end of September 2016. “Solveiga” first delivery of snow crab was done on April 23<sup>rd</sup> 2015 and the last delivery of snow crab was done on September 6<sup>th</sup> 2016.

For your information: Orange color in the picture above reflects speed between 11 and 16 knots, yellow color reflects speed between 6 and 11 knots, green color reflects speed between 1 and 6 knots and bright blue color reflects speed < 1 knots. Normally speed < 6 knots (green and lights blue) indicate harvesting operations.

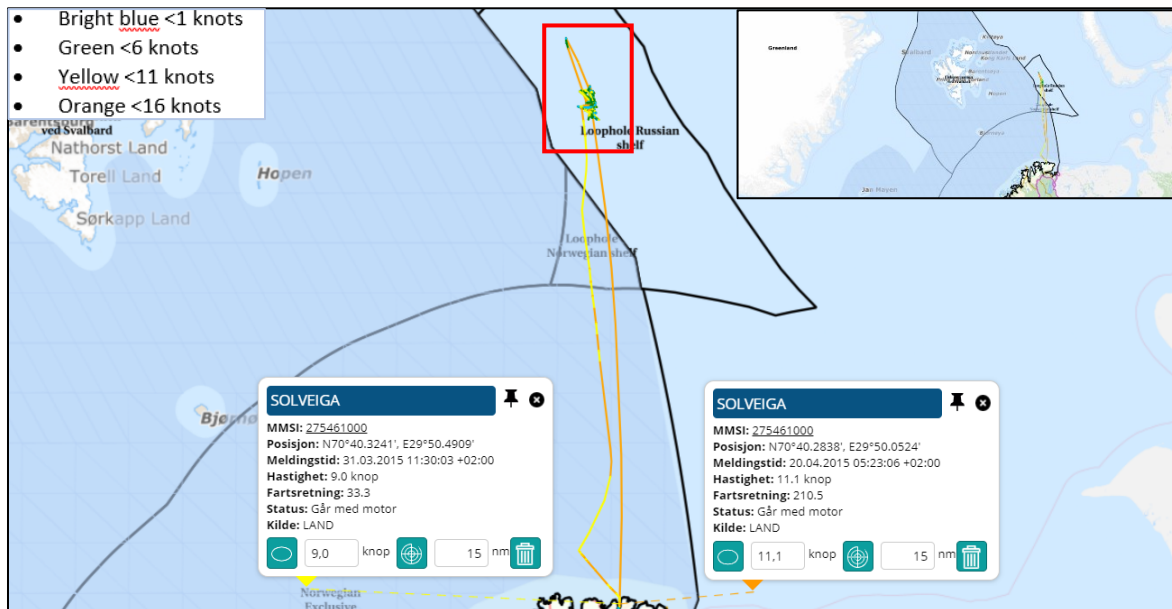
Each voyage regarding snow crab harvesting will be shown in the pictures in Chapter 2. The following actions for “Solveiga” after ending its snow crab harvesting is included in Chapter 3 and inspections done by Norwegian Authorities is included in Chapter 4.



## 2. Voyages for “Solveiga” YL2982

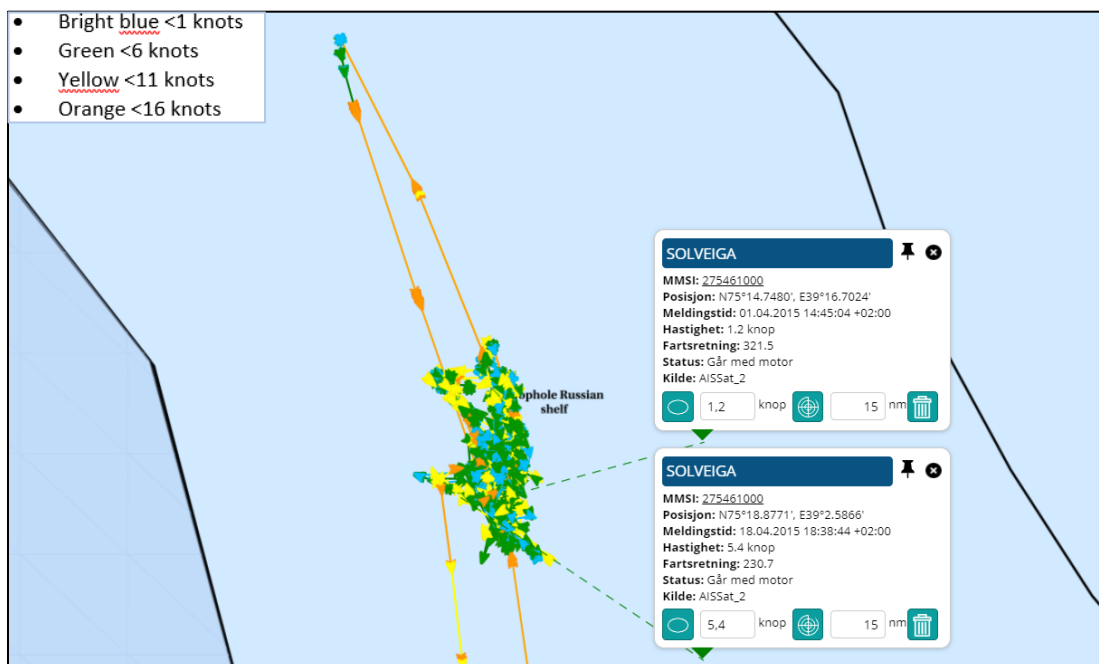
### 2.1 “Solveiga” voyage 1 from March 31<sup>st</sup> to April 20<sup>th</sup> 2015

Figure 6 “Solveiga” voyage 1, overview



Voyage 1, overview. “Solveiga” left Båtsfjord port on March 31<sup>st</sup> 2015 and returned to Båtsfjord port on April 20<sup>th</sup> 2015. On arrival, “Solveiga” landed 56 882 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 7 “Solveiga” voyage 1, <6 knots in Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from April 1<sup>st</sup> 2015 time 14:45 until April 18<sup>th</sup> 2015 time 18:38.

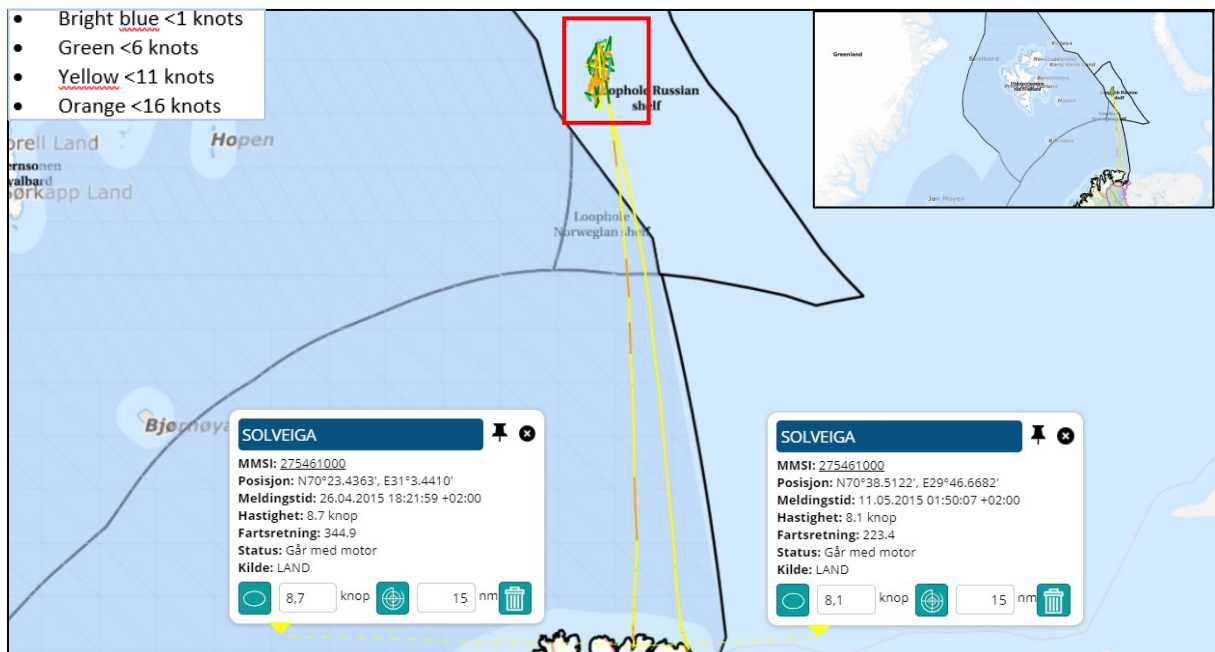
## 2.1.1 "Solveiga" summary voyage 1

Figure 8 "Solveiga" summary voyage 1

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
31.03.2015	20.04.2015	
Entered Loophole Norwegian Shelf	01.04.2015 05:03	
Left Loophole Norwegian Shelf	01.04.2015 08:17	
Time on Norwegian Shelf (days:hours:minutes)		00:03:13
Period with speed < 6 knots from		
Period with speed <6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	01.04.2015 08:17	
Left Loophole Russian Shelf	19.04.2015 01:01	
Time on Russian Shelf (days:hours:minutes)		17:16:44
Period with speed < 6 knots from	01.04.2015 14:45	
Period with speed < 6 knots to	18.04.2015 18:38	
Time with speed < 6.knots (days:hours:minutes)		17:03:53
Entered Loophole Norwegian Shelf	19.04.2015 01:01	
Left Loophole Norwegian Shelf	19.04.2015 08:25	
Time on Norwegian Shelf (days:hours:minutes)		00:07:23
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	411,53	
Total hours < 6 knots	411,53	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	28 329	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10413608	23.04.2015
Snow crab landed live in kg	28 553	
Factory (crab receiver)	Arctic Catch AS	
Landingnote number and date	10414182	26.04.2015

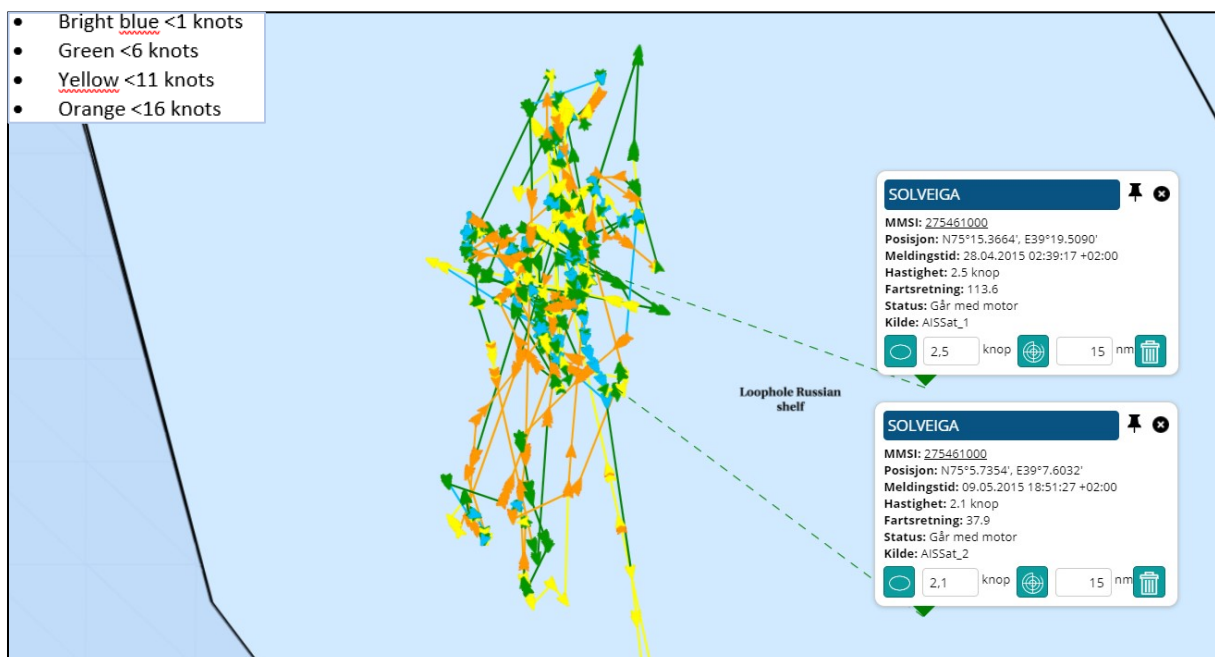
## 2.2 “Solveiga” voyage 2 from April 26<sup>th</sup> to May 11<sup>th</sup> 2015

Figure 9 “Solveiga” voyage 2, overview



Voyage 2, overview. “Solveiga” left Svartnes, Vardø port on April 26<sup>th</sup> 2015 and arrived in Båtsfjord port on May 11<sup>th</sup> 2015. On arrival, “Solveiga” landed 52 926 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 10 “Solveiga” voyage 2, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from April 28<sup>th</sup> 2015 time 02:39 until May 9<sup>th</sup> 2015 time 18:51.

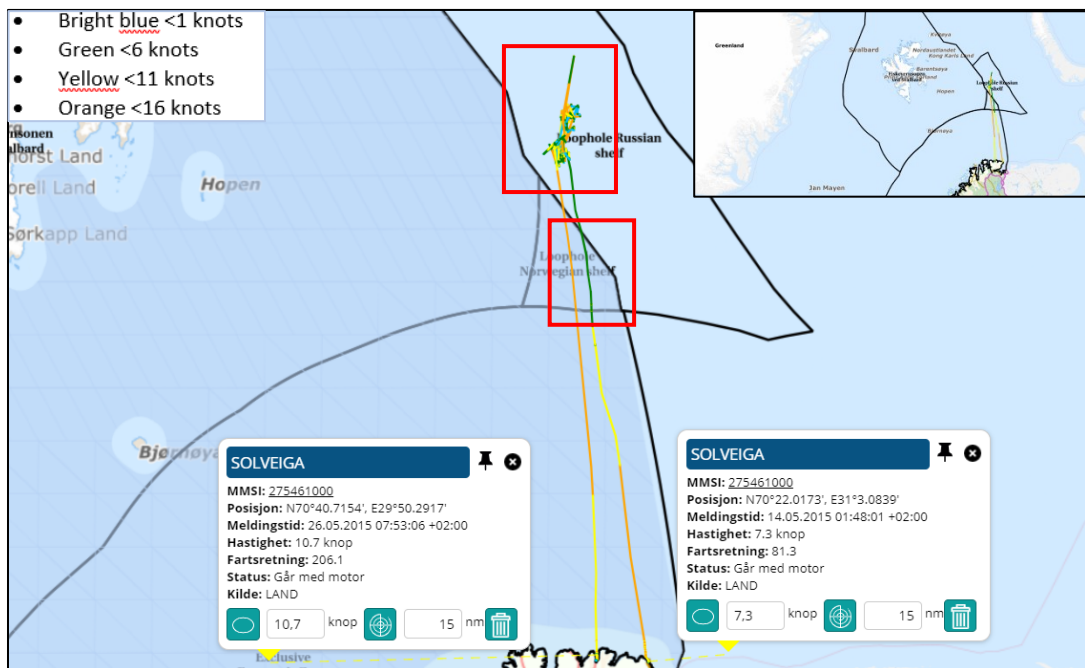
## 2.2.1 "Solveiga" summary voyage 2

Figure 11 "Solveiga" summary voyage 2

Voyage started from Båtsfjord port	Voyage ended in Svartnes,Vardø port	
26.04.2015	11.05.2015	
Entered Loophole Norwegian Shelf	27.04.2015 15:17	
Left Loophole Norwegian Shelf	27.04.2015 18:35	
Time on Norwegian Shelf (days:hours:minutes)		00:03:17
Period with speed < 6 knots from		
Period with speed <6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	27.04.2015 18:35	
Left Loophole Russian Shelf	10.05.2015 02:32	
Time on Russian Shelf (days:hours:minutes)		12:07:56
Period with speed < 6 knots from	28.04.2015 02:39	
Period with speed < 6 knots to	09.05.2015 18:51	
Time with speed < 6.knots (days:hours:minutes)		11:16:12
Entered Loophole Norwegian Shelf	10.05.2015 02:32	
Left Loophole Norwegian Shelf	10.05.2015 07:24	
Time on Norwegian Shelf (days:hours:minutes)		00:04:51
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	280,12	
Total hours < 6 knots	280,12	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	30 609	
Factory (crab receiver)	Arctic Catch AS	
Landingnote number and date	10421006	12.05.2015
Snow crab landed live in kg	22 317	
Factory (crab receiver)	Arctic Catch AS	
Landingnote number and date	10421696	13.05.2015

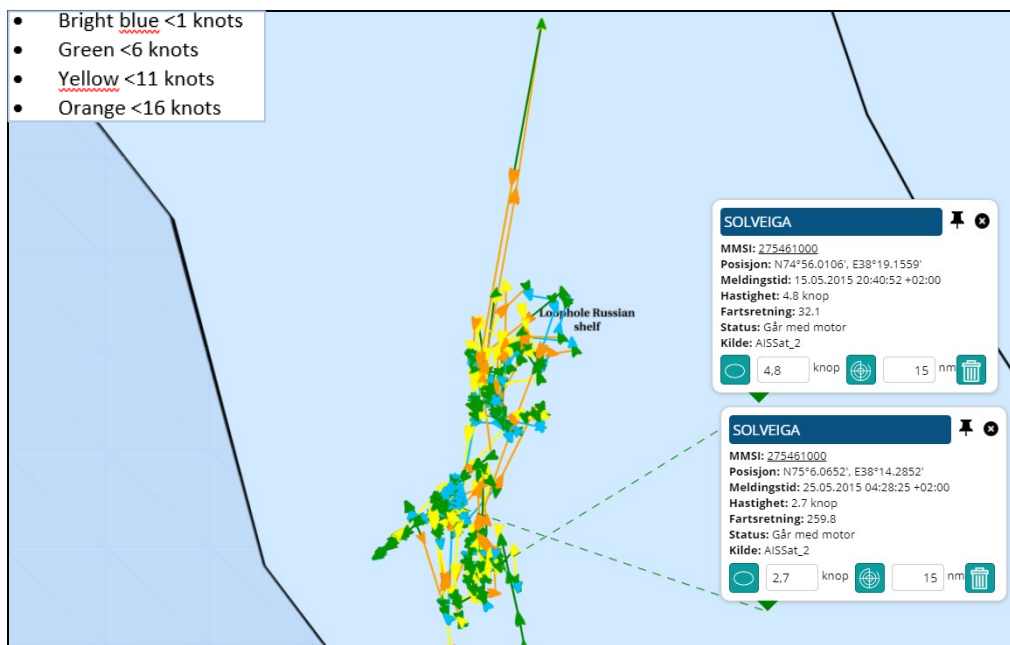
## 2.3 “Solveiga” voyage 3 from May 14<sup>th</sup> to May 26<sup>th</sup> 2015

Figure 12 “Solveiga” voyage 3, overview



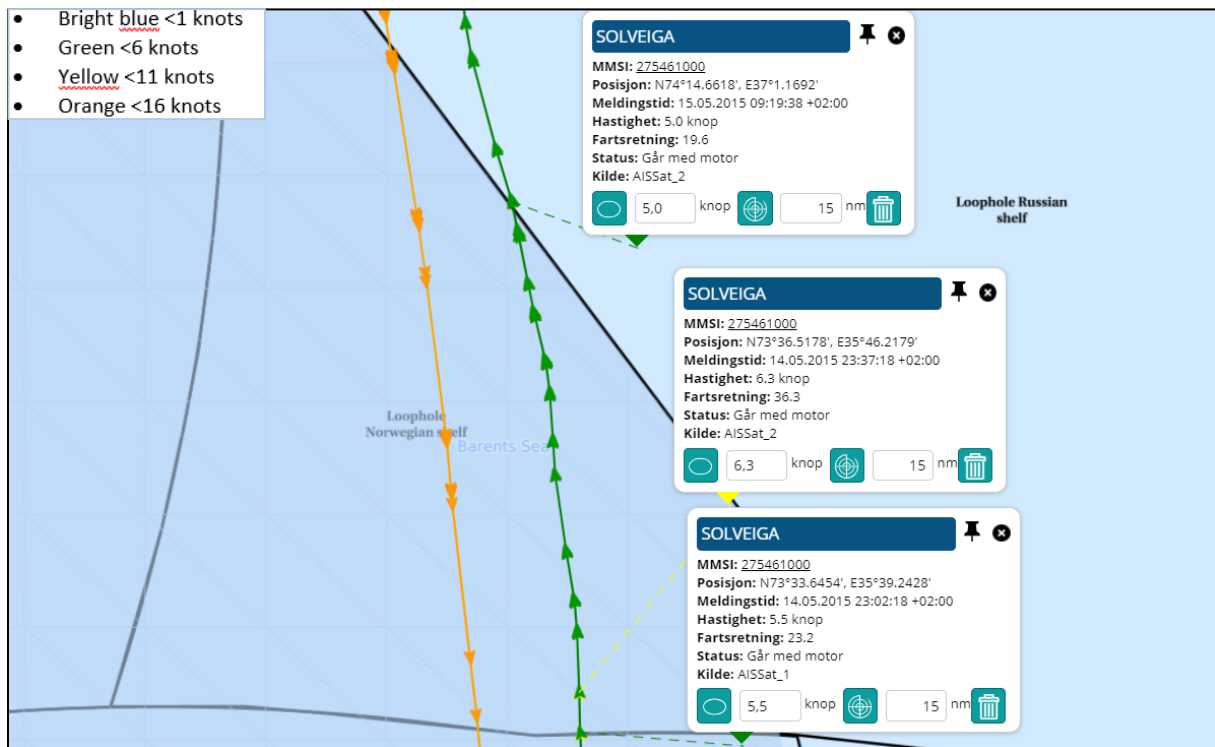
Voyage 3, overview. “Solveiga” left Svartnes, Vardø port on May 14<sup>th</sup> 2015 and arrived in Båtsfjord port on May 26<sup>th</sup> 2015. On arrival, “Solveiga” landed 42 179 kilos live snow crab. The track shows that “Solveiga” was sailing through the Norwegian continental shelf in the Loop Hole on this voyage, northbound and southbound. The green color of the track indicates that “Solveiga” was sailing with speed <6 knots in given periods on the Norwegian continental shelf, northbound.

Figure 13 “Solveiga” voyage 3, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from May 15<sup>th</sup> 2015 time 20:40 until May 25<sup>th</sup> 2015 time 04:28.

Figure 14 "Solveiga" voyage 3, < 6 knots on the Norwegian continental shelf



Norwegian continental shelf in the Loop Hole. "Solveiga" was speeding < 6 knots in the period from May 14<sup>th</sup> time 23:02 until May 15<sup>th</sup> 2015 time 09:19. During this period "Solveiga" was sailing with various speed both <6 knots and >6 knots.

The green color of the track indicates that "Solveiga" was sailing through the Norwegian continental shelf in the Loop Hole and into the Russian continental shelf in the Loop Hole with speed < 6 knots. The AIS tracking does not indicate any harvesting operations on the Norwegian continental shelf in the Loop Hole on this voyage.



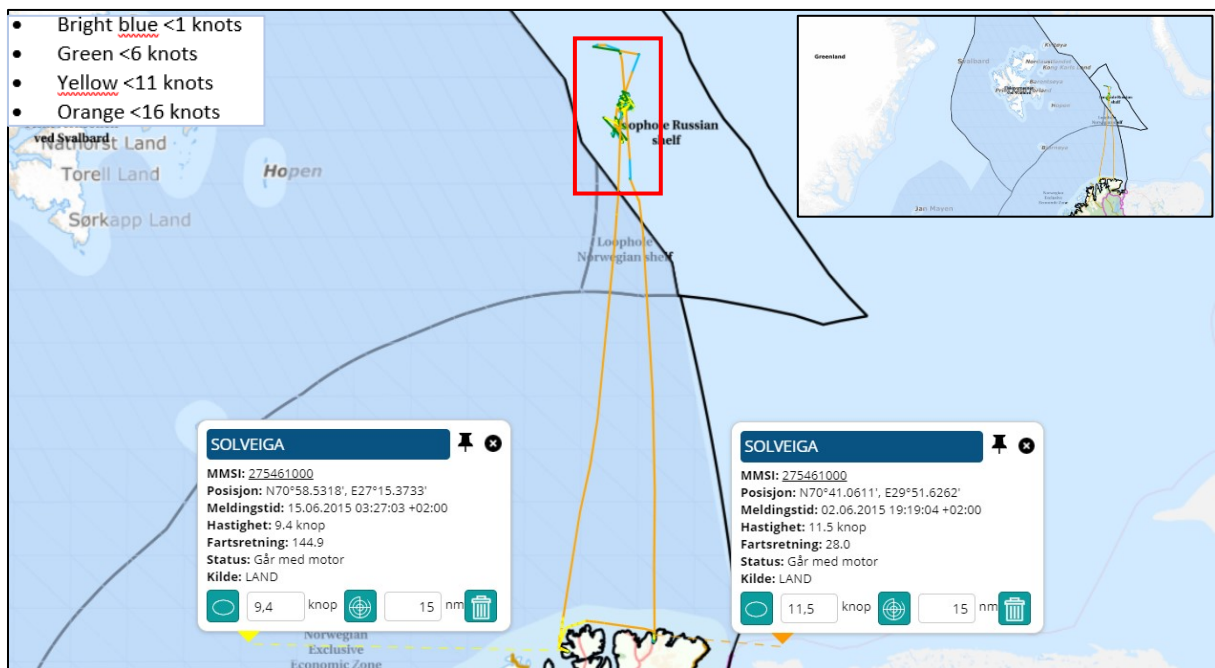
## 2.3.1 "Solveiga" summary voyage 3

Figure 15 "Solveiga" summary voyage 3

Voyage started from Svartnes, Vardø port	Voyage ended in Båtsfjord port	
14.05.2015	26.05.2015	
Entered Loophole Norwegian Shelf	14.05.2015 23:01	
Left Loophole Norwegian Shelf	15.05.2015 09:19	
Time on Norwegian Shelf (days:hours:minutes)		00:10:18
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	15.05.2015 09:19	
Left Loophole Russian Shelf	25.05.2015 08:03	
Time on Russian Shelf (days:hours:minutes)		09:22:43
Period with speed < 6 knots from	15.05.2015 20:40	
Period with speed < 6 knots to	25.05.2015 04:28	
Time with speed < 6 knots (days:hours:minutes)		09:07:47
Entered Loophole Norwegian Shelf	25.05.2015 08:03	
Left Loophole Norwegian Shelf	25.05.2015 15:42	
Time on Norwegian Shelf (days:hours:minutes)		00:07:39
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	223,47	
Total hours < 6 knots	223,47	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	42 179	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10425830	29.05.2015

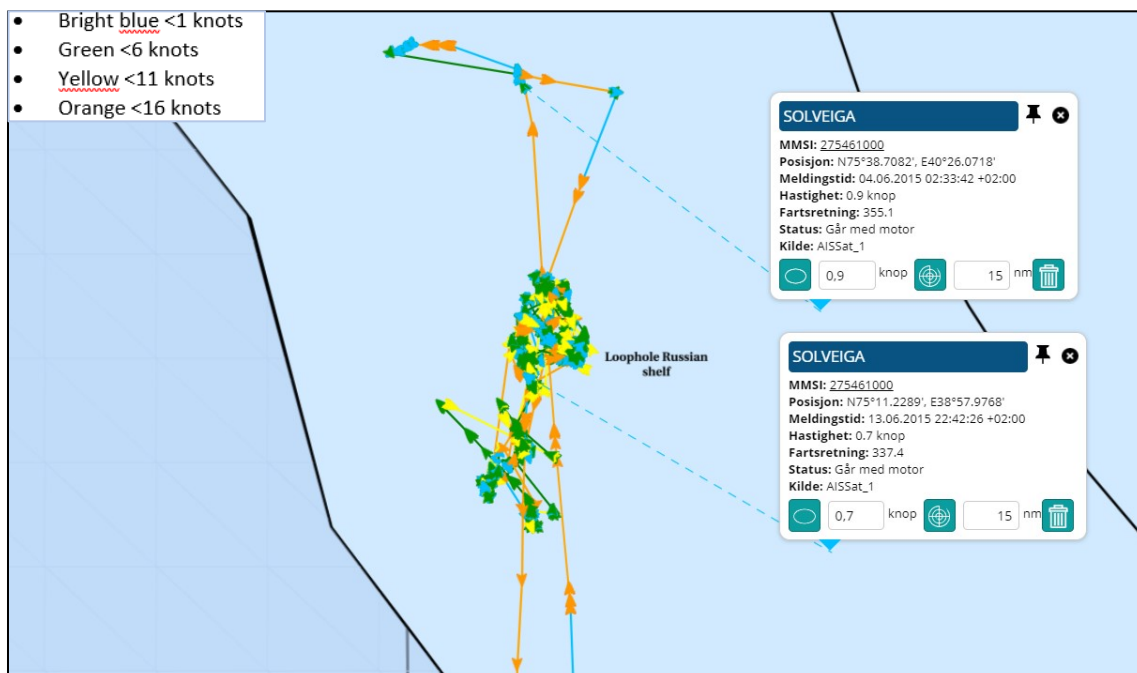
## 2.4 “Solveiga” voyage 4 from June 2<sup>nd</sup> to June 15<sup>th</sup> 2015

Figure 16 “Solveiga” voyage 4, overview



Voyage 4, overview. “Solveiga” left Båtsfjord port on June 2<sup>nd</sup> 2015 and arrived Kjøllefjord port on June 15<sup>th</sup> 2015. On arrival, “Solveiga” landed 87 813 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 17 “Solveiga” voyage 4, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from June 4<sup>th</sup> 2015 time 02:33 until June 13<sup>th</sup> 2015 time 22:42.



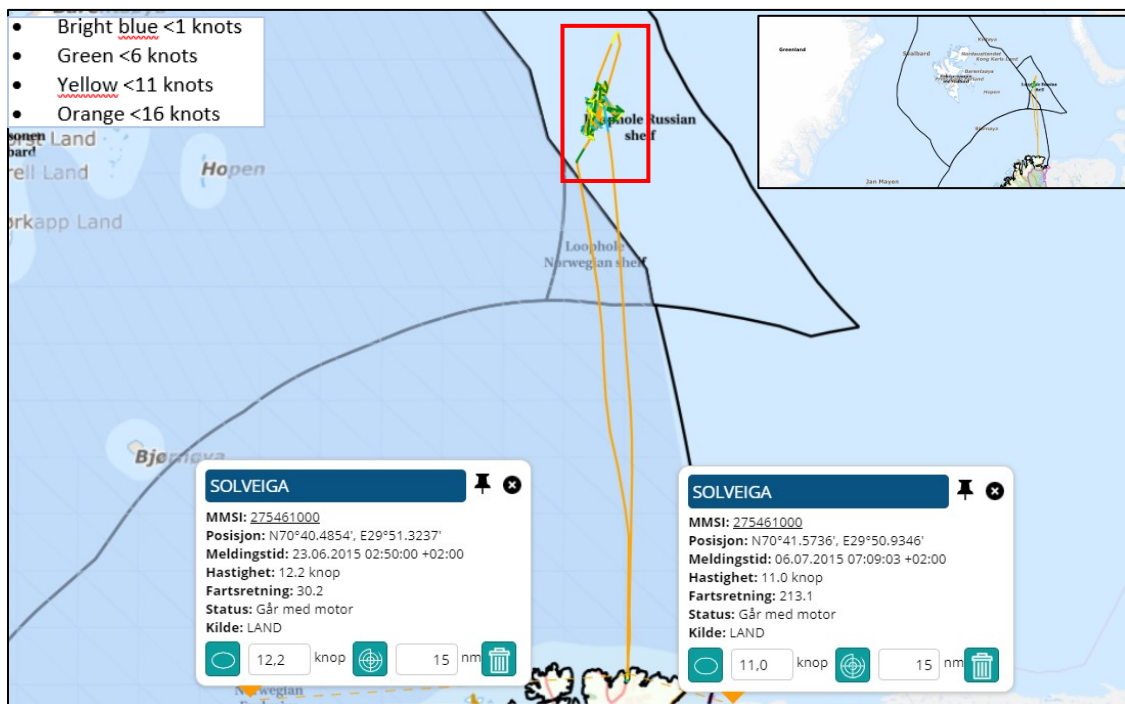
## 2.4.1 "Solveiga" summary voyage 4

Figure 18 "Solveiga" summary voyage 4

Voyage started from Båtsfjord port	Voyage ended in Kjøllefjord port	
15.06.2015	02.06.2015	
Entered Loophole Norwegian Shelf	03.06.2015 12:05	
Left Loophole Norwegian Shelf	03.06.2015 16:48	
Time on Norwegian Shelf (days:hours:minutes)		00:04:43
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	03.06.2015 16:48	
Left Loophole Russian Shelf	14.06.2015 03:28	
Time on Russian Shelf (days:hours:minutes)		10:10:39
Period with speed < 6 knots from	04.06.2015 02:33	
Period with speed < 6 knots to	13.06.2015 22:42	
Time with speed < 6 knots (days:hours:minutes)		09:20:08
Entered Loophole Norwegian Shelf	14.06.2015 03:28	
Left Loophole Norwegian Shelf	14.06.2015 08:22	
Time on Norwegian Shelf (days:hours:minutes)		00:04:54
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	236,08	
Total hours < 6 knots	236,08	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	28 820	
Factory (crab receiver)	Norway Seafoods AS, Kjøllefjord	
Landingnote number and date	10429733	16.06.2015
Snow crab landed live in kg	58 993	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10431215	22.06.2015

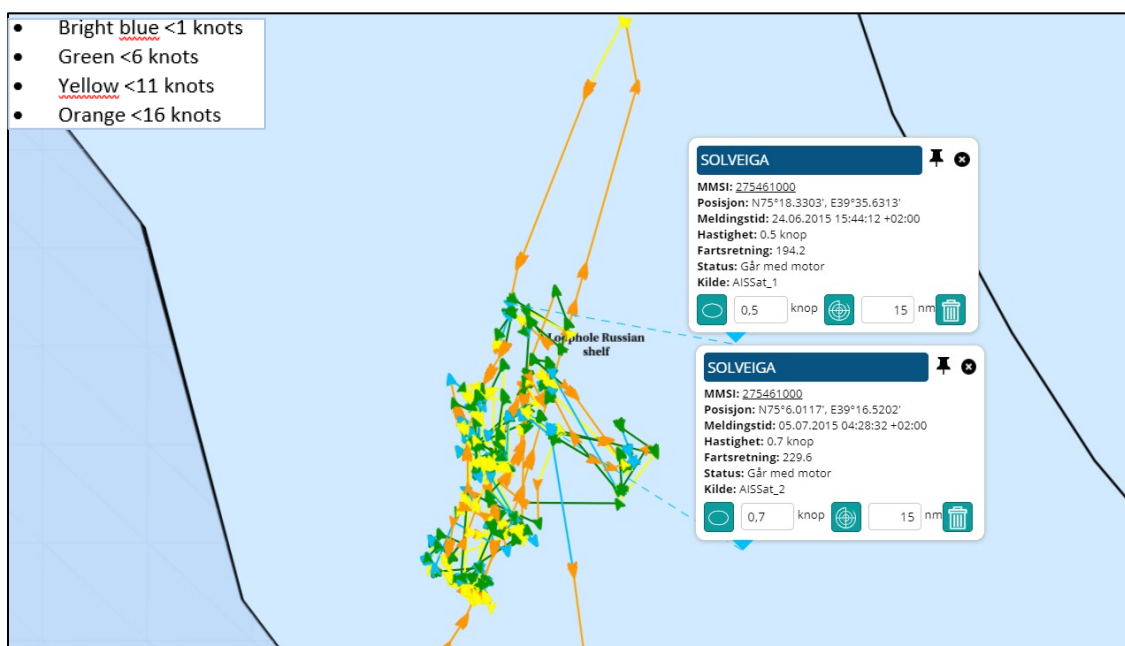
## 2.5 “Solveiga” voyage 5 from June 23<sup>rd</sup> to July 6<sup>th</sup> 2015

Figure 19 “Solveiga” voyage 5, overview



Voyage 5, overview. “Solveiga” left Båtsfjord port on June 23<sup>th</sup> 2015 and arrived Båtsfjord port on July 6<sup>th</sup> 2015. On arrival, “Solveiga” landed 68 300 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 20 “Solveiga” voyage 5, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from June 24<sup>th</sup> 2015 time 15:44 until July 5<sup>th</sup> 2015 time 04:28.

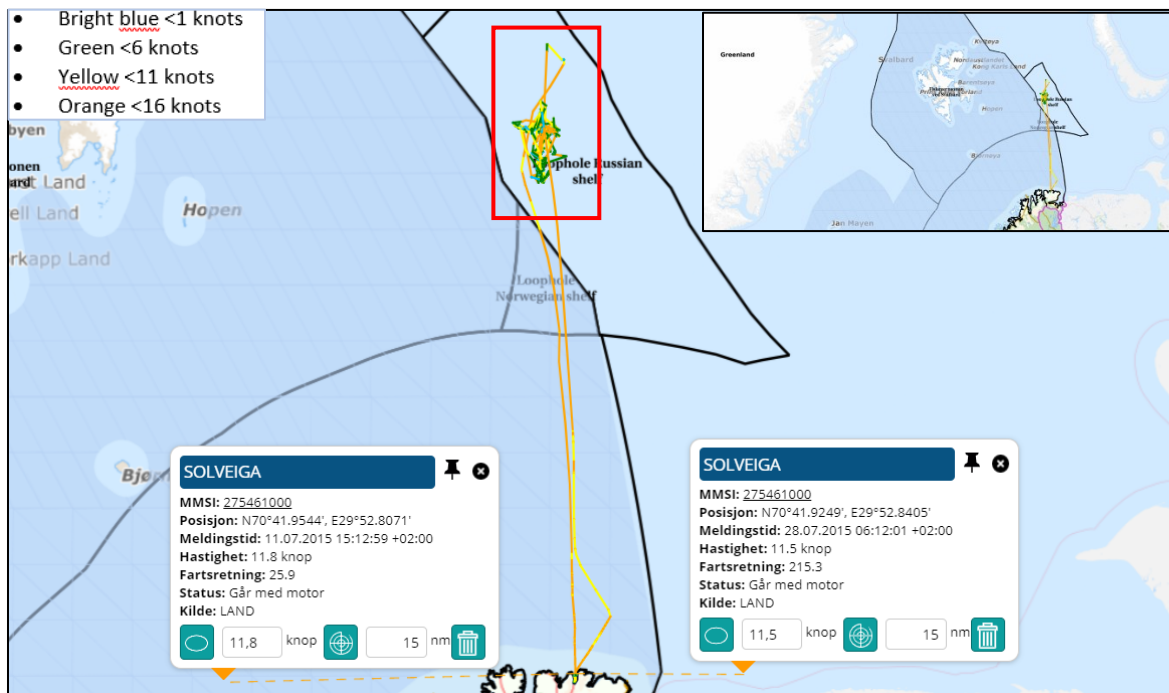
## 2.5.1 "Solveiga" summary voyage 5

Figure 21 "Solveiga" summary voyage 5

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
23.06.2015	06.07.2015	
Entered Loophole Norwegian Shelf	23.06.2015 20:06	
Left Loophole Norwegian Shelf	24.06.2015 02:30	
Time on Norwegian Shelf (days:hours:minutes)		00:06:23
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	24.06.2015 02:30	
Left Loophole Russian Shelf	05.07.2015 10:36	
Time on Russian Shelf (days:hours:minutes)		11:08:05
Period with speed < 6 knots from	24.06.2015 15:44	
Period with speed < 6 knots to	05.07.2015 04:28	
Time with speed < 6.knots (days:hours:minutes)		10:12:44
Entered Loophole Norwegian Shelf	05.07.2015 10:53	
Left Loophole Norwegian Shelf	05.07.2015 14:07	
Time on Norwegian Shelf (days:hours:minutes)		00:03:14
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	252,4	
Total hours < 6 knots	252,4	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	68 300	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10435045	11.07.2015

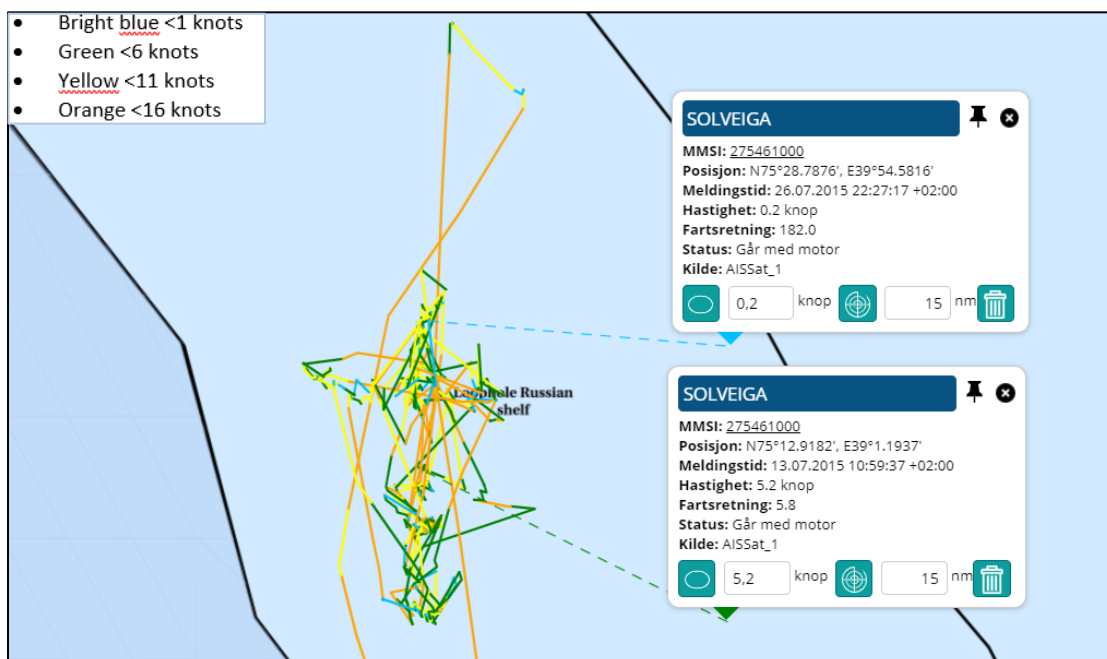
## 2.6 “Solveiga” voyage 6 from July 11<sup>th</sup> to July 28<sup>th</sup> 2015

Figure 22 “Solveiga” voyage 6, overview



Voyage 6, overview. “Solveiga” left Båtsfjord port on July 11<sup>th</sup> 2015 and arrived Båtsfjord port on July 28<sup>th</sup> 2015. On arrival, “Solveiga” landed 32 302 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 23 “Solveiga” voyage 6, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from July 13<sup>th</sup> 2015 time 10:59 until July 26<sup>th</sup> 2015 time 22:27.

## 2.6.1 "Solveiga" summary voyage 6

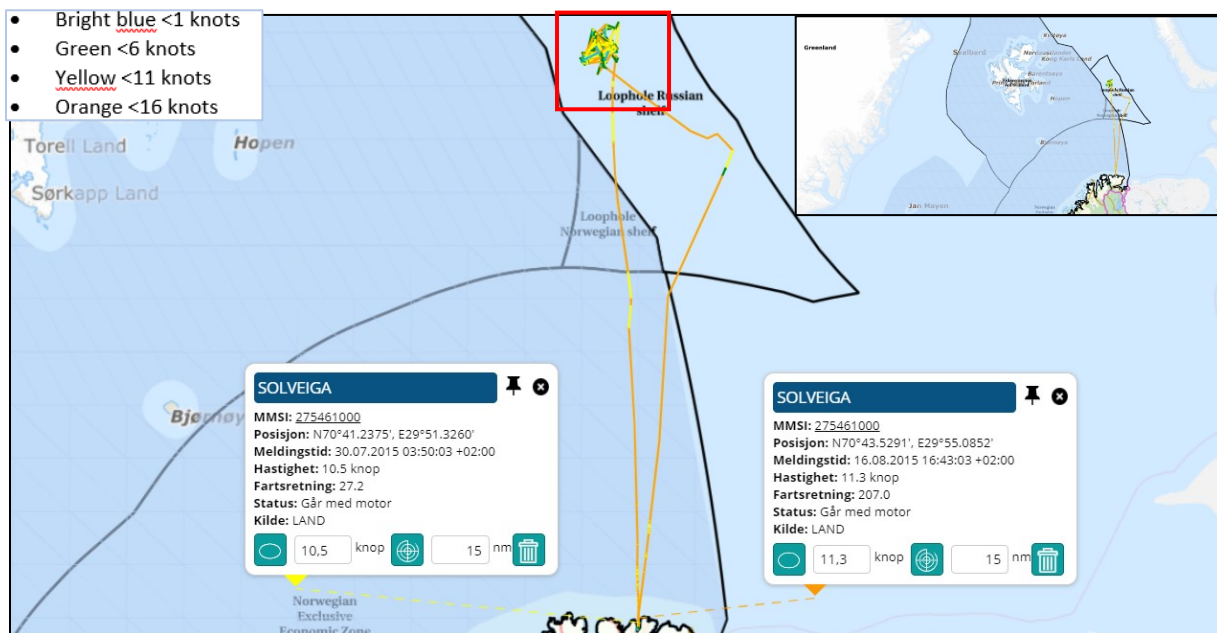
Figure 24 "Solveiga" summary voyage 6

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
11.07.2015	28.07.2015	
Entered Loophole Norwegian Shelf	12.07.2015 09:06	
Left Loophole Norwegian Shelf	12.07.2015 14:41	
Time on Norwegian Shelf (days:hours:minutes)		00:05:34
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	12.07.2015 14:41	
Left Loophole Russian Shelf	27.07.2015 06:32	
Time on Russian Shelf (days:hours:minutes)		14:15:50
Period with speed < 6 knots from	13.07.2015 10:59	
Period with speed < 6 knots to	26.07.2015 22:27	
Time with speed < 6 knots (days:hours:minutes)		13:11:27
Entered Loophole Norwegian Shelf	27.07.2015 06:33	
Left Loophole Norwegian Shelf	27.07.2015 11:19	
Time on Norwegian Shelf (days:hours:minutes)		00:04:46
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	323,27	
Total hours < 6 knots	323,27	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	32 302	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10438398	29.07.2015



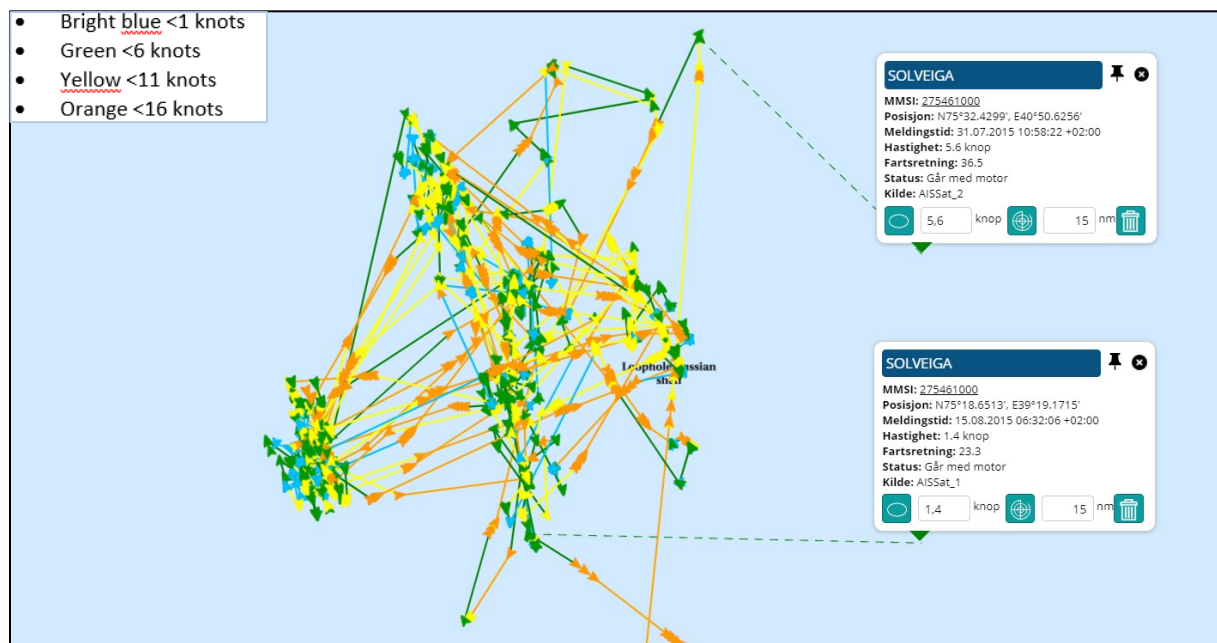
## 2.7 “Solveiga” voyage 7 from July 30<sup>th</sup> 2015 to August 15<sup>th</sup> 2015

Figure 25 “Solveiga” voyage 7, overview



Voyage 7, overview. “Solveiga” left Båtsfjord port on July 30<sup>th</sup> 2015 and arrived Båtsfjord port on August 16<sup>th</sup> 2015. On arrival, “Solveiga” landed 31 654 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound, and did not engage in any snow crab harvesting there.

Figure 26 “Solveiga” voyage 7, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from July 31<sup>st</sup> 2015 time 10:58 until August 15<sup>th</sup> 2015 time 06:32.

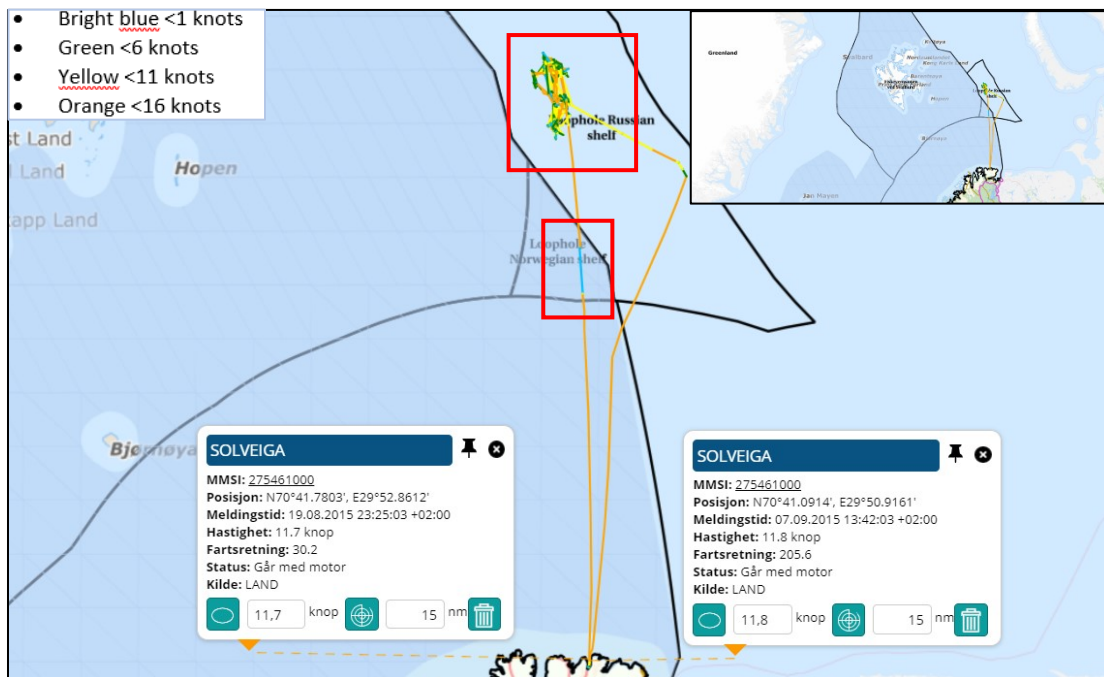
## 2.7.1 "Solveiga" summary voyage 7

Figure 27 "Solveiga" summary voyage 7

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
30.07.2015	16.08.2015	
Entered Loophole Norwegian Shelf	30.07.2015 21:51	
Left Loophole Norwegian Shelf	31.07.2015 02:39	
Time on Norwegian Shelf (days:hours:minutes)		00:04:48
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	31.07.2015 02:39	
Left Loophole Russian Shelf	16.08.2015 00:17	
Time on Russian Shelf (days:hours:minutes)		15:21:37
Period with speed < 6 knots from	31.07.2015 10:58	
Period with speed < 6 knots to	15.08.2015 06:32	
Time with speed < 6 knots (days:hours:minutes)		14:19:33
Entered Loophole Norwegian Shelf		
Left Loophole Norwegian Shelf		
Time on Norwegian Shelf (days:hours:minutes)	NO TRACKS IN ZONE	00:00:00
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	355,33	
Total hours < 6 knots	355,33	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	31 654	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10445033	19.08.2015

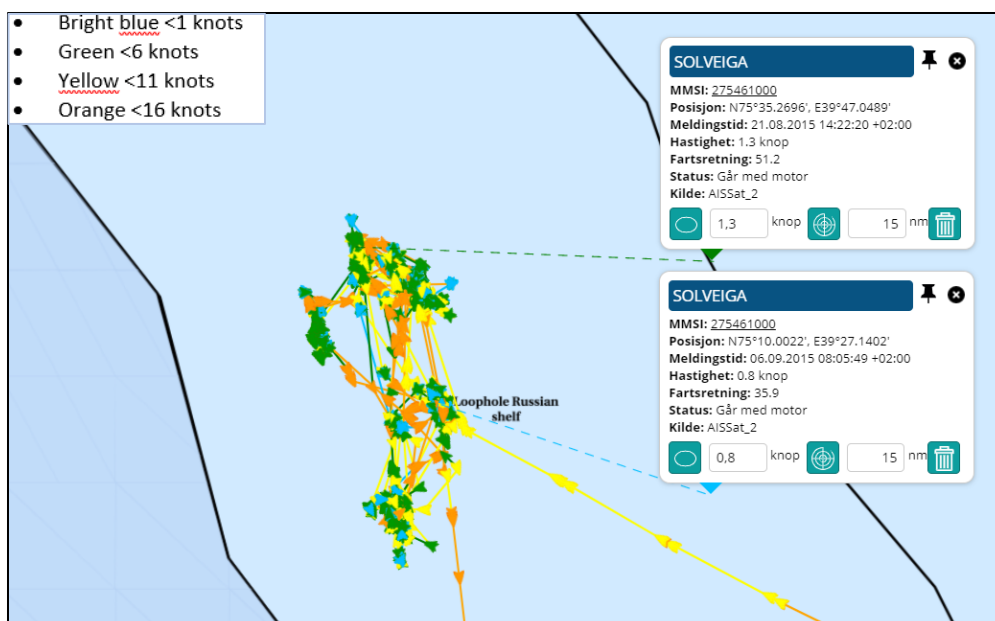
## 2.8 “Solveiga” voyage 8 from August 19<sup>th</sup> to September 7<sup>th</sup> 2015

Figure 28 “Solveiga” voyage 8, overview



Voyage 8, overview. “Solveiga” left Båtsfjord port on August 19<sup>th</sup> 2015 and arrived in Båtsfjord port on September 7<sup>th</sup> 2015. On arrival, “Solveiga” landed 30 430 kilos live snow crab. The track shows that “Solveiga” was sailing through the Norwegian continental shelf in the Loop Hole on this voyage, southbound. The blue color of the track indicates that “Solveiga” was sailing with speed <1 knots in given periods on the Norwegian continental shelf, southbound.

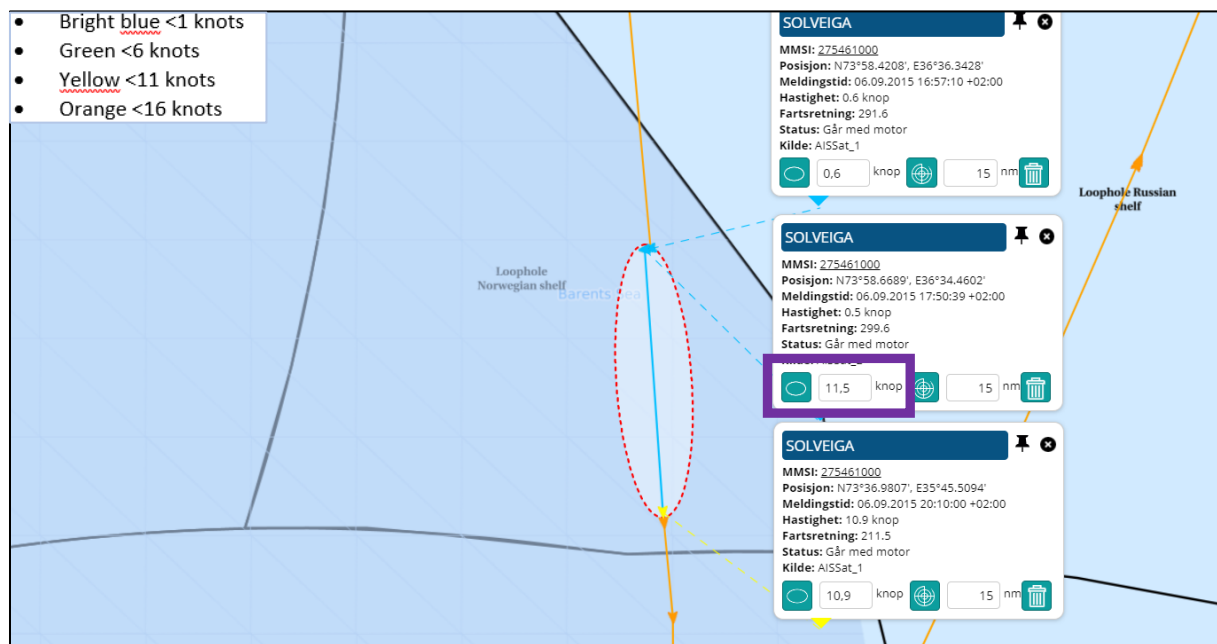
Figure 29 “Solveiga” voyage 8, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from August 21<sup>st</sup> 2015 time 14:22 until September 6<sup>th</sup> 2015 time 08:05.



Figure 30 "Solveiga" voyage 8, &lt; 6 knots on the Norwegian continental shelf



Norwegian continental shelf in the Loop Hole. "Solveiga" had two AIS-positions with speed of < 1 knots on the Norwegian continental shelf in the Loop Hole on southbound. These AIS-positions were registered inside of the Norwegian continental shelf in the Loop Hole on September 6<sup>th</sup> at time 16:57 and 17:50. The AIS-positions show speed of 0,5 and 0,6 knots.

The next AIS-position was registered September 6<sup>th</sup> at time 20:10 also on the Norwegian continental shelf in the Loop Hole.

The time and distance between the AIS-positions on the Norwegian continental shelf in the Loop Hole time 17:50 and time 20:10 indicate that "Solveiga" on this voyage must have moved with a speed of 11,5 knots between the two AIS positions. The speed of 11,5 knots is shown in the purple rectangle in the lowermost pop up and the red dotted circle around the blue tracking shows the theoretical area "Solveiga" may have moved in during this period.

The distance and time between the AIS-positions shows that "Solveiga" was unlikely to have been involved in harvesting activity during this period.

Figure 31 "Solveiga" voyage 8, &lt; 6 knots AIS-positions on the Norwegian continental shelf

Ship	MMSI	IMO	Callsign	Messagetime	Lon	Lat	Speed	Heading	Source
SOLVEIGA	275461000	8520173	YL2892	06.09.2015 16:57	36,605713	73,97368	0,60	291,6	AISSat_1
SOLVEIGA	275461000	8520173	YL2892	06.09.2015 17:50	36,574337	73,977815	0,50	299,6	AISSat_2
SOLVEIGA	275461000	8520173	YL2892	06.09.2015 20:10	35,75849	73,616345	10,90	211,5	AISSat_1

The table above shows time, position, and speed for the AIS-positions after the reduction in speed.

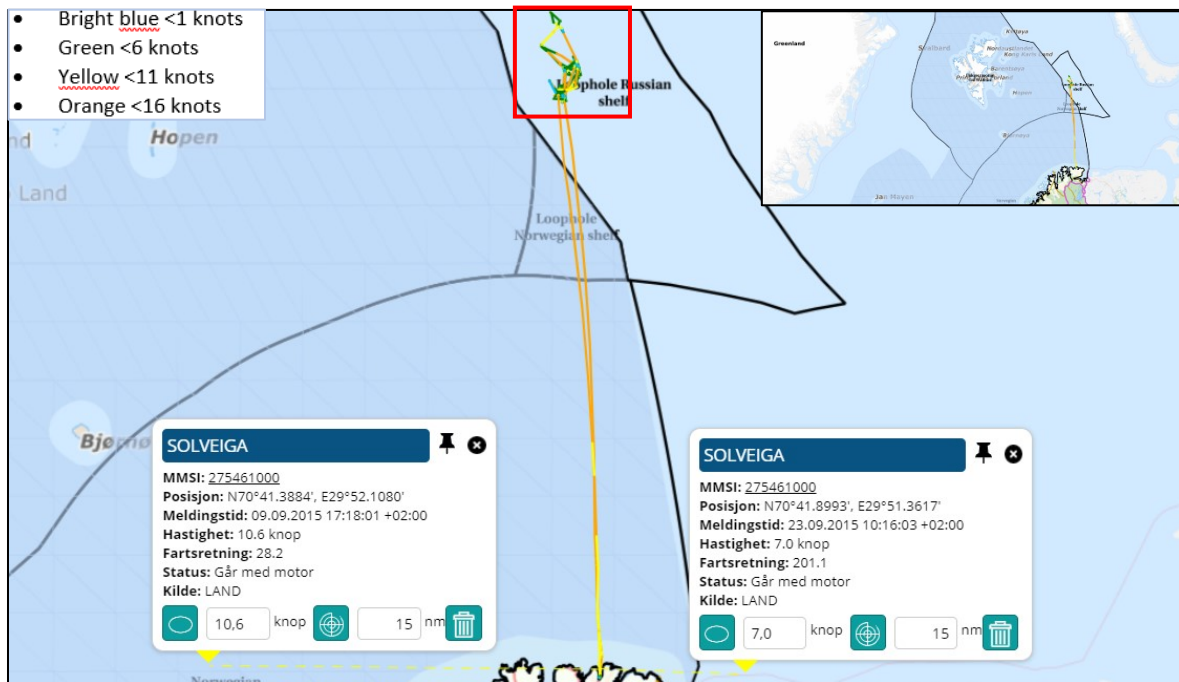
## 2.8.1 "Solveiga" summary voyage 8

Figure 32 "Solveiga" summary voyage 8

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
19.08.2015	07.09.2015	
Entered Loophole Norwegian Shelf		
Left Loophole Norwegian Shelf		
Time on Norwegian Shelf (days:hours:minutes)	NO TRACKS IN ZONE	00:00:00
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	20.08.2015 17:17	
Left Loophole Russian Shelf	06.09.2015 16:57	
Time on Russian Shelf (days:hours:minutes)		16:23:39
Period with speed < 6 knots from	21.08.2015 14:22	
Period with speed < 6 knots to	06.09.2015 08:07	
Time with speed < 6 knots (days:hours:minutes)		15:17:44
Entered Loophole Norwegian Shelf	06.09.2015 16:57	
Left Loophole Norwegian Shelf	06.09.2015 21:04	
Time on Norwegian Shelf (days:hours:minutes)		00:04:06
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	377,44	
Total hours < 6 knots	377,44	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	30 430	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10451426	09.09.2015

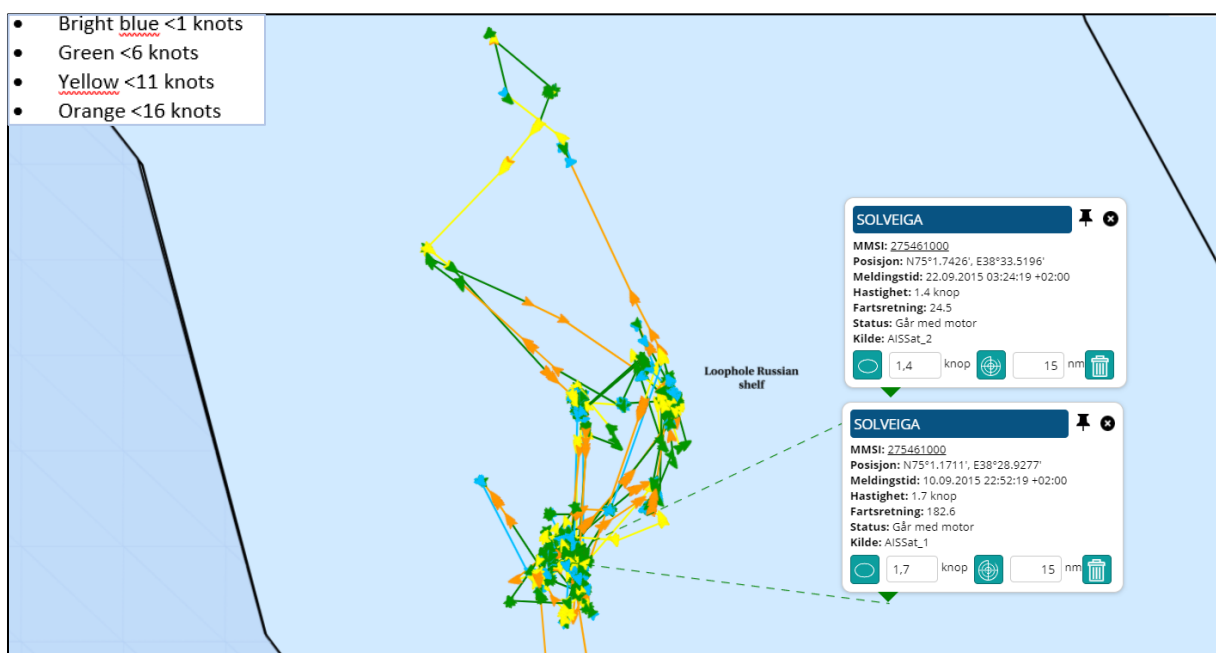
## 2.9 “Solveiga” voyage 9 from September 9<sup>th</sup> to September 23<sup>th</sup> 2015

Figure 33 “Solveiga” voyage 9, overview



Voyage 9, overview. “Solveiga” left Båtsfjord port on September 9<sup>th</sup> 2015 and arrived Båtsfjord port on September 23<sup>th</sup> 2015. On arrival, “Solveiga” landed 37 590 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 34 “Solveiga” voyage 9, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from September 10<sup>th</sup> 2015 time 22:52 until September 22<sup>nd</sup> 2015 time 03:24.

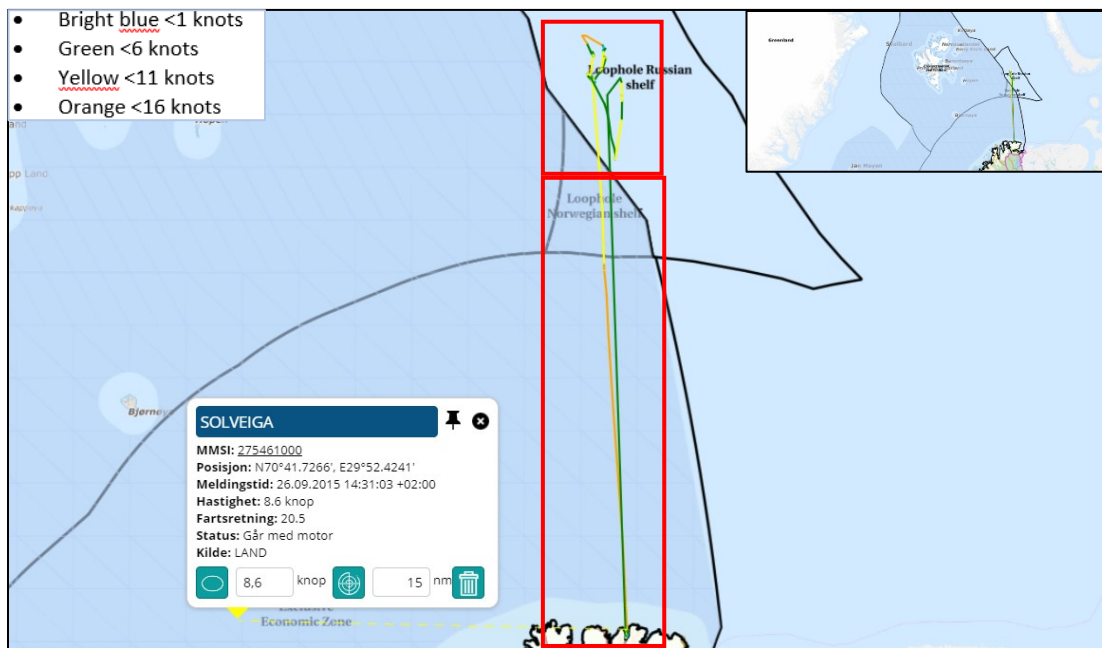
## 2.9.1 "Solveiga" summary voyage 9

Figure 35 "Solveiga" summary voyage 9

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
09.09.2015	23.09.2015	
Entered Loophole Norwegian Shelf	10.09.2015 11:32	
Left Loophole Norwegian Shelf	10.09.2015 17:19	
Time on Norwegian Shelf (days:hours:minutes)		00:05:46
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	10.09.2015 17:19	
Left Loophole Russian Shelf	22.09.2015 09:45	
Time on Russian Shelf (days:hours:minutes)		11:16:25
Period with speed < 6 knots from	10.09.2015 22:52	
Period with speed < 6 knots to	22.09.2015 03:24	
Time with speed < 6 knots (days:hours:minutes)		11:04:32
Entered Loophole Norwegian Shelf	22.09.2015 09:45	
Left Loophole Norwegian Shelf	22.09.2015 14:35	
Time on Norwegian Shelf (days:hours:minutes)		00:04:50
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	268,32	
Total hours < 6 knots	268,32	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	37 590	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10458519	26.09.2015

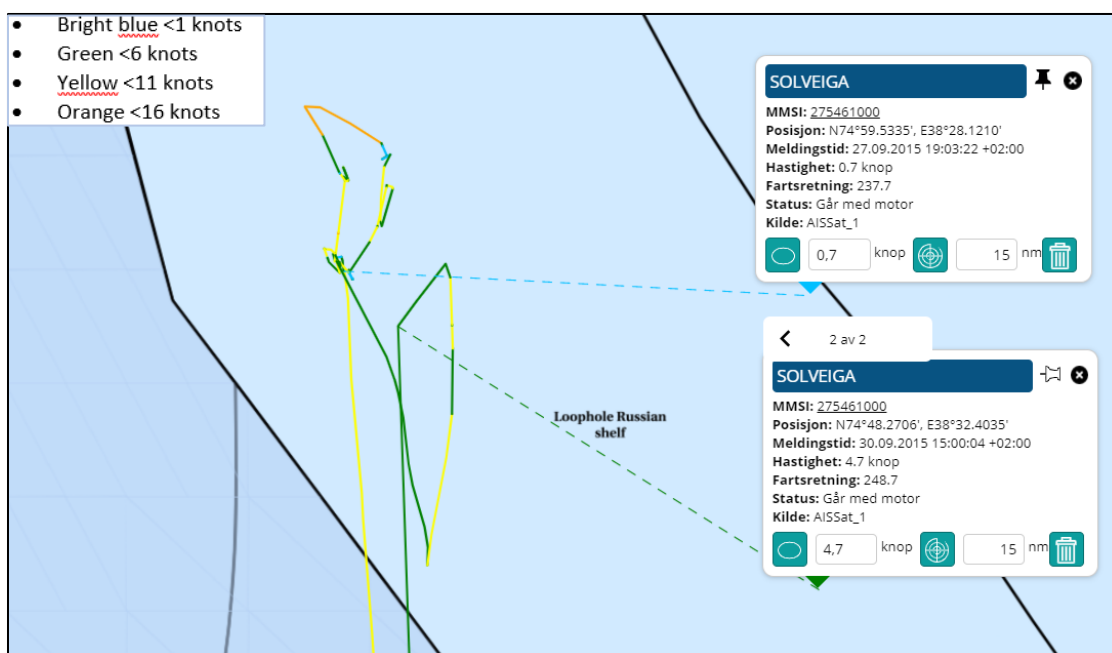
## 2.10 “Solveiga” voyage 10 from September 26<sup>th</sup> to October 15<sup>th</sup> 2015

Figure 36 “Solveiga” voyage 10, overview



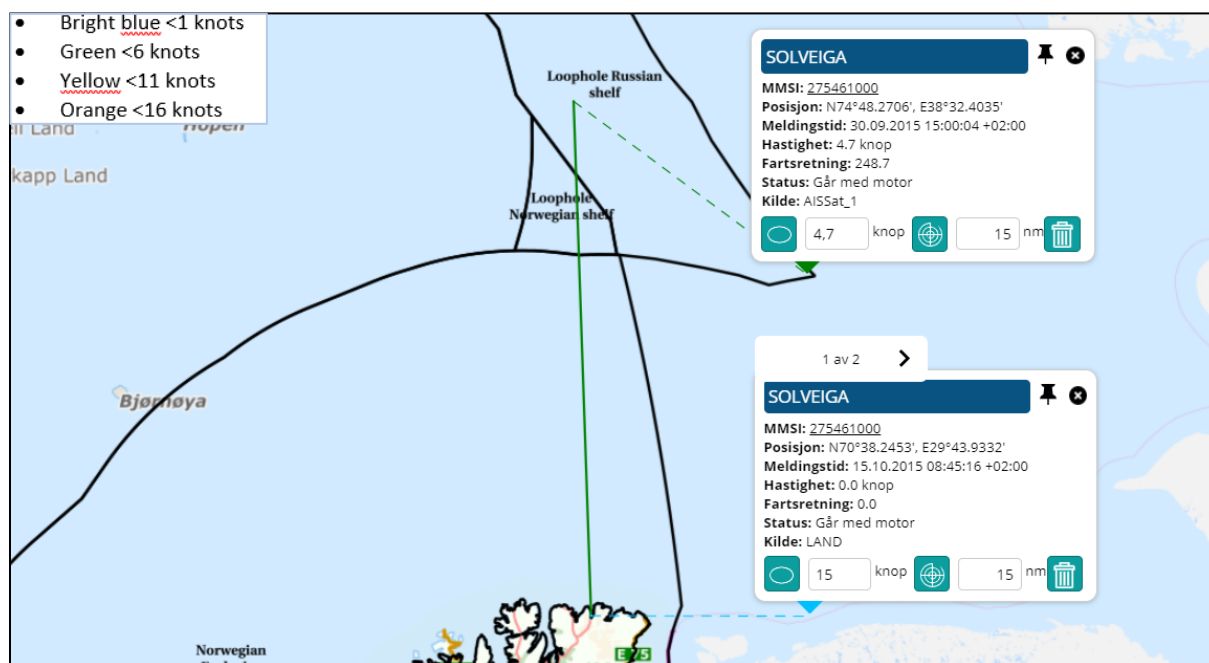
Voyage 10, overview. “Solveiga” left Båtsfjord port on September 26<sup>th</sup> 2015 and arrived Båtsfjord port before October 15<sup>th</sup> 2015. On arrival, “Solveiga” landed 64 089 kilos live snow crab. The track shows that “Solveiga” was sailing through the Norwegian continental shelf in the Loop Hole on this voyage, northbound and southbound. The green color of the track indicates that “Solveiga” was sailing with speed <6 knots in given periods on the Norwegian continental shelf, southbound.

Figure 37 “Solveiga” voyage 10, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from September 27<sup>th</sup> 2015 time 19:03 until after September 30<sup>th</sup> 2015 time 15:00.

Figure 38 "Solveiga" voyage 10, period without AIS- positions



In the period from September 30<sup>th</sup> time 15:00 until October 15<sup>th</sup> time 08:45 it was not registered any AIS-positions for "Solveiga". AIS-position on September 30<sup>th</sup> time 15:00 was registered on the Russian continental shelf on the Loop Hole. The next AIS-position was in Båtsfjord port on October 15<sup>th</sup> time 08:45.

Figure 39 "Solveiga" voyage 10, period without AIS- positions

Ship	MMSI	IMO	Callsign	Message time	Lon	Lat	Speed	Heading	Source
SOLVEIGA	275461000	8520173	YL2892	30.09.2015 15:00	38,540058	74,80451	4,70	248,6	AISSat_1
SOLVEIGA	275461000	8520173	YL2892	15.10.2015 08:45	29,73222	70,637422	0,00	0	LAND

The table above shows the period without any AIS-positions.

## 2.10.1 "Solveiga" summary voyage 10

Figure 40 "Solveiga" summary voyage 10

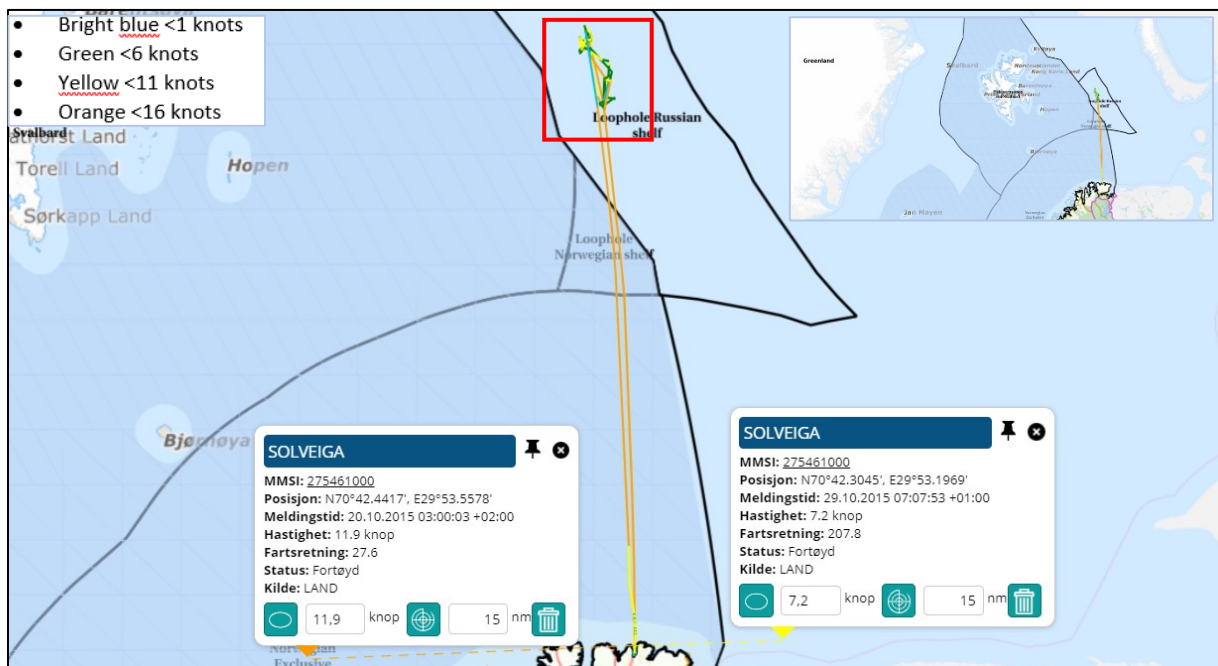
Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
26.09.2015	15.10.2015	
Entered Loophole Norwegian Shelf	27.09.2015 09:24	
Left Loophole Norwegian Shelf	27.09.2015 14:16	
Time on Norwegian Shelf (days:hours:minutes)		00:04:51
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	27.09.2015 14:16	
Left Loophole Russian Shelf	15.10.2015 08:45	
Time on Russian Shelf (days:hours:minutes)		17:18:28
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Norwegian Shelf		
Left Loophole Norwegian Shelf		
Time on Norwegian Shelf (days:hours:minutes)		00:00:00
	NO AIS-POSITIONS	
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	66,56	
Total hours < 6 knots	66,56	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	64 089	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10464727	19.10.2015

Due to the long period without registered AIS- positions, the time for periods in zones will not be correct. From Russian continental shelf in the Loop Hole until after arrival Båtsfjord port, there was no AIS-positions for "Solveiga".



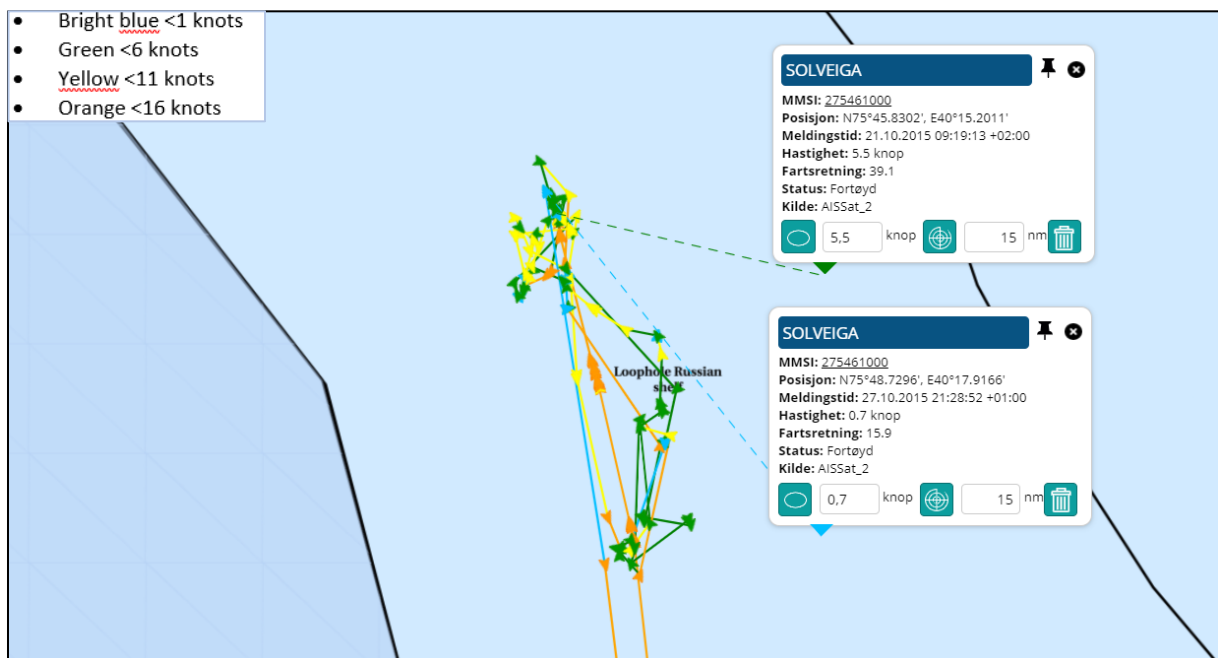
## 2.11 “Solveiga” voyage 11 from October 20<sup>th</sup> to October 29<sup>th</sup> 2015

Figure 41 “Solveiga” voyage 11, overview



Voyage 11, overview. “Solveiga” left Båtsfjord port on October 20<sup>th</sup> 2015 and arrived Båtsfjord port on October 29<sup>th</sup> 2015. On arrival, “Solveiga” landed 43 574 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 42 “Solveiga” voyage 11, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from October 21<sup>st</sup> 2015 time 09:19 until October 27<sup>th</sup> 2015 time 21:28.



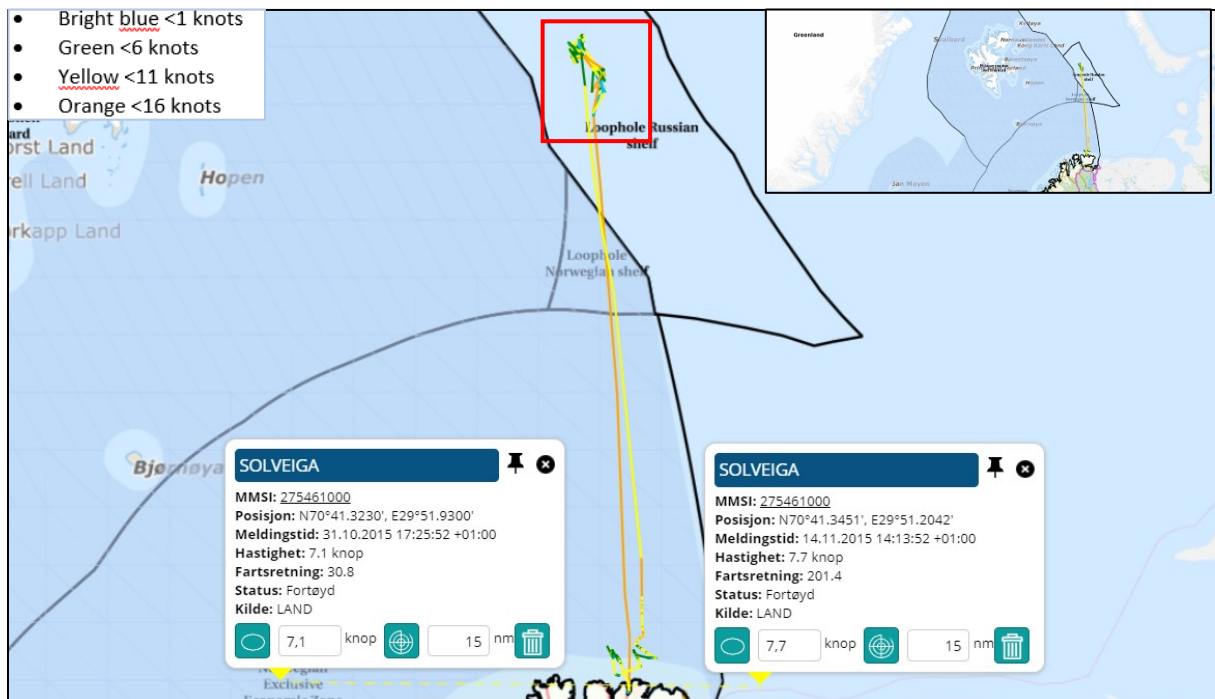
## 2.11.1 "Solveiga" summary voyage 11

Figure 43 "Solveiga" summary voyage 11

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
20.10.2015	29.10.2015	
Entered Loophole Norwegian Shelf	20.10.2015 20:09	
Left Loophole Norwegian Shelf	21.10.2015 01:00	
Time on Norwegian Shelf (days:hours:minutes)		00:04:50
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	21.10.2015 01:00	
Left Loophole Russian Shelf	28.10.2015 06:37	
Time on Russian Shelf (days:hours:minutes)		07:05:37
Period with speed < 6 knots from	21.10.2015 09:19	
Period with speed < 6 knots to	27.10.2015 21:28	
Time with speed < 6 knots (days:hours:minutes)		06:12:09
Entered Loophole Norwegian Shelf	28.10.2015 06:37	
Left Loophole Norwegian Shelf	28.10.2015 23:07	
Time on Norwegian Shelf (days:hours:minutes)		00:16:29
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	156,09	
Total hours < 6 knots	156,09	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	43 574	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10468903	31.10.2015

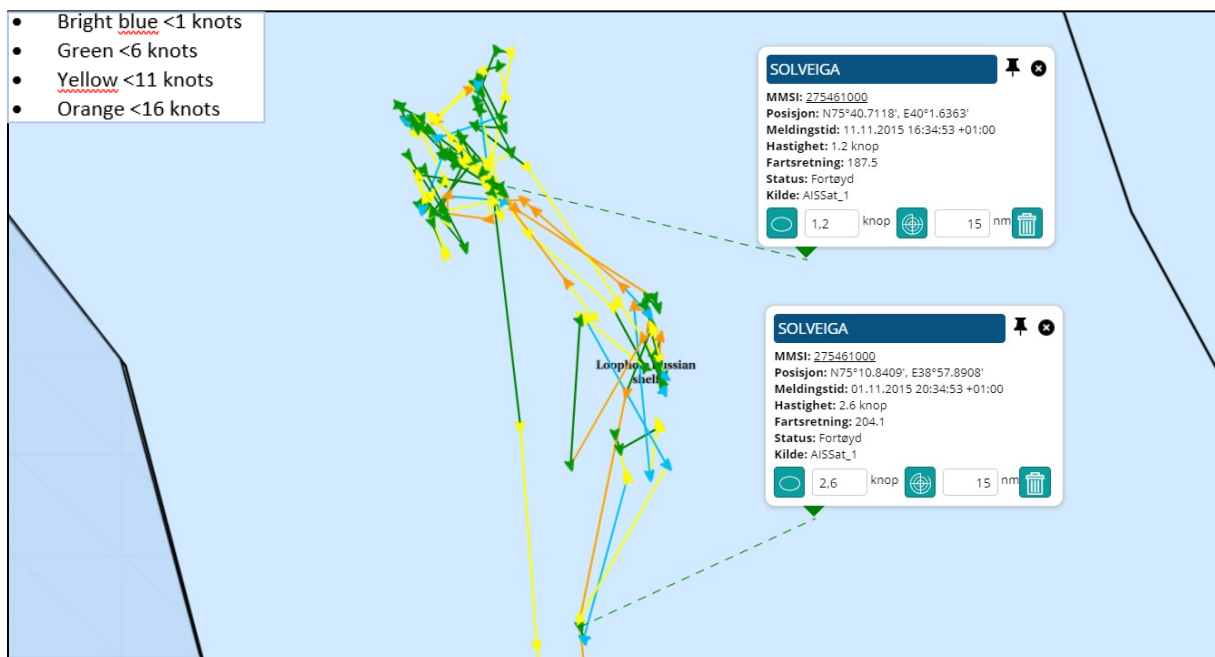
## 2.12 “Solveiga” voyage 12 from October 31<sup>st</sup> to November 14<sup>th</sup> 2015

Figure 44 “Solveiga” voyage 12, overview



Voyage 12, overview. “Solveiga” left Båtsfjord port on October 31<sup>st</sup> 2015 and arrived Båtsfjord port November 14<sup>th</sup> 2015. On arrival, “Solveiga” landed 39 139 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 45 “Solveiga” voyage 12, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from November 1<sup>st</sup> 2015 time 20:34 until November 11<sup>th</sup> 2015 time 16:34.

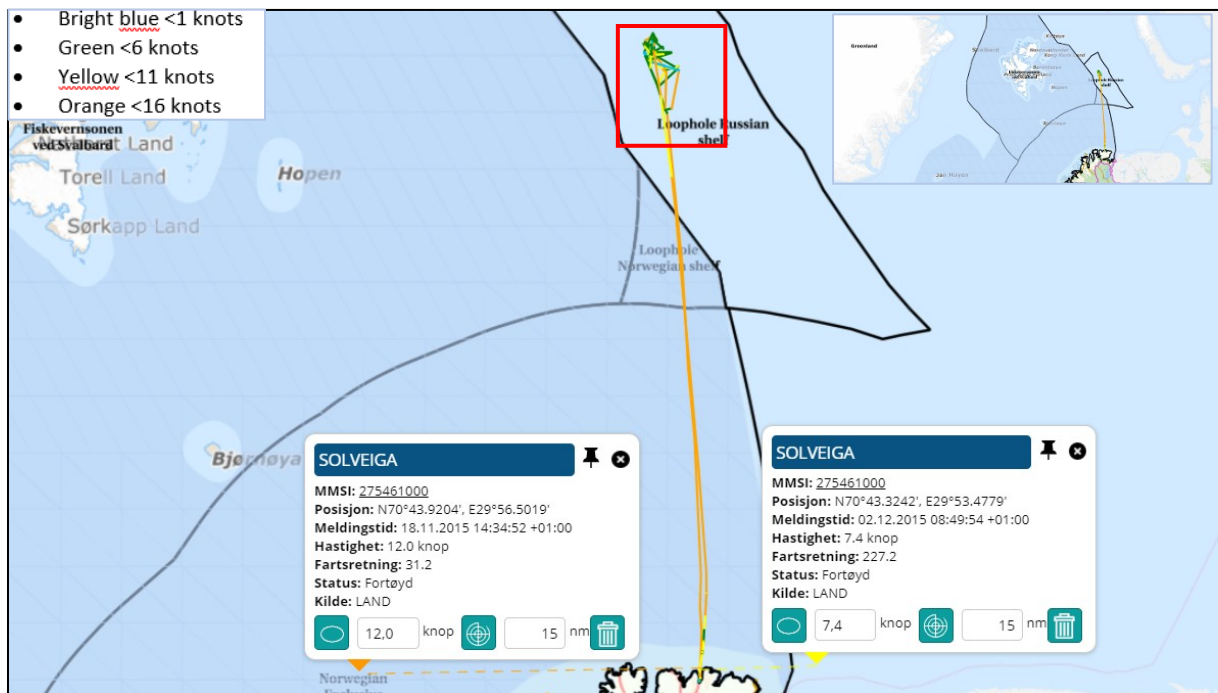
## 2.12.1 "Solveiga" summary voyage 12

Figure 46 "Solveiga" summary voyage 12

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
31.10.2015	14.11.2015	
Entered Loophole Norwegian Shelf	12.11.2015 03:55	
Left Loophole Norwegian Shelf	12.11.2015 21:37	
Time on Norwegian Shelf (days:hours:minutes)		00:17:41
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	01.11.2015 16:34	
Left Loophole Russian Shelf	12.11.2015 03:55	
Time on Russian Shelf (days:hours:minutes)		10:11:20
Period with speed < 6 knots from	01.11.2015 20:34	
Period with speed < 6 knots to	11.11.2015 16:34	
Time with speed < 6 knots (days:hours:minutes)		09:20:00
Entered Loophole Norwegian Shelf	19.11.2015 09:01	
Left Loophole Norwegian Shelf	19.11.2015 17:22	
Time on Norwegian Shelf (days:hours:minutes)		00:08:21
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	236	
Total hours < 6 knots	236	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	39 139	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10473644	17.11.2015

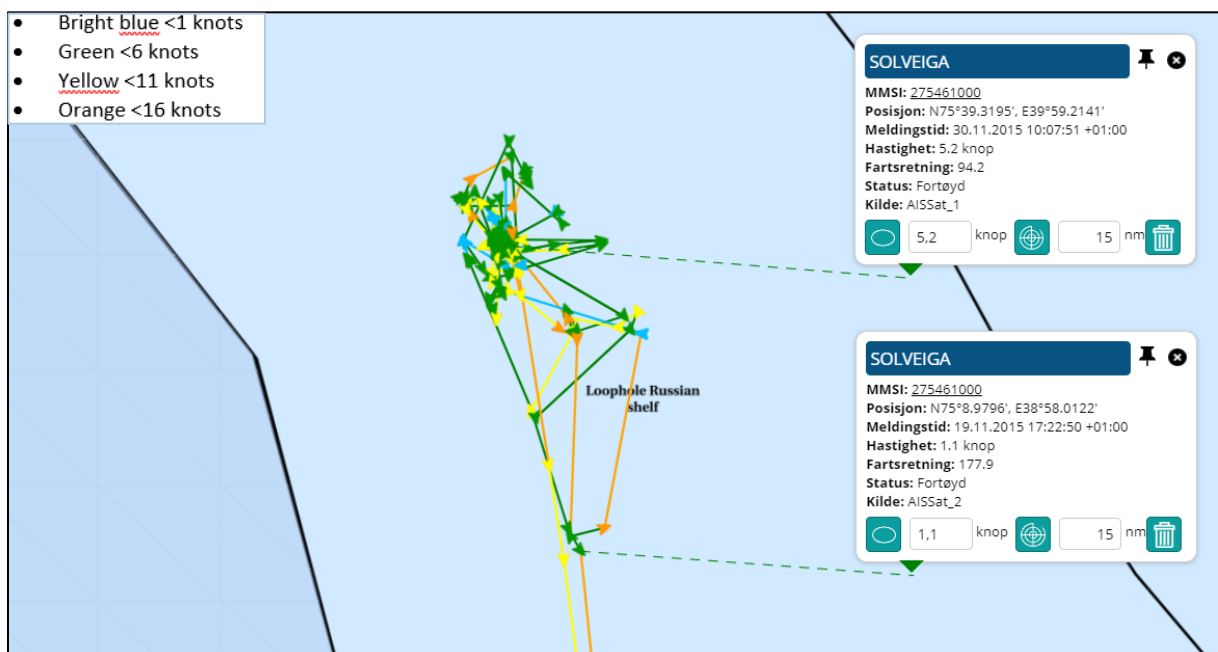
## 2.13 “Solveiga” voyage 13 from November 18<sup>th</sup> to December 2<sup>nd</sup> 2015

Figure 47 “Solveiga” voyage 13, overview



Voyage 13, overview. “Solveiga” left Båtsfjord port on November 18<sup>th</sup> 2015 and arrived Båtsfjord port December 2<sup>nd</sup> 2015. On arrival, “Solveiga” landed 42 970 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 48 “Solveiga” voyage 13, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from November 19<sup>th</sup> 2015 time 17:22 until November 30<sup>th</sup> 2015 time 10:07.

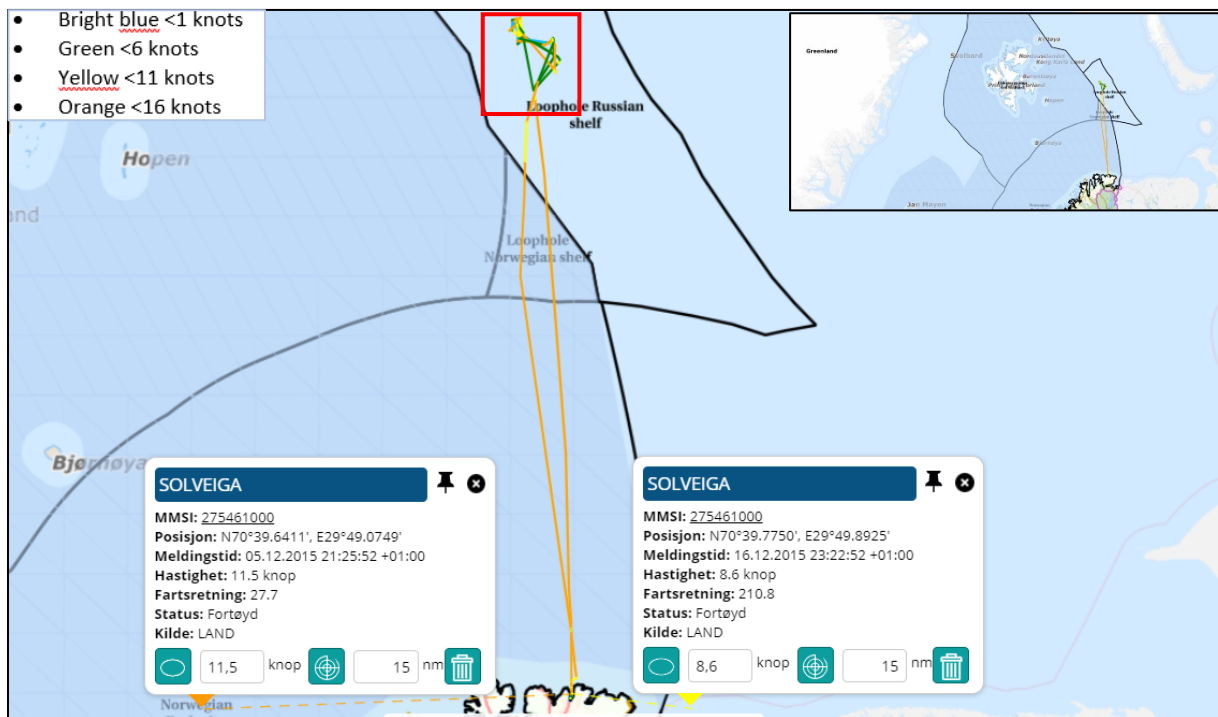
## 2.13.1 "Solveiga" summary voyage 13

Figure 49 "Solveiga" summary voyage 13

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
18.11.2015	02.12.2015	
Entered Loophole Norwegian Shelf		
Left Loophole Norwegian Shelf		
Time on Norwegian Shelf (days:hours:minutes)	NO AIS-POSITIONS	00:00:00
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	19.11.2015 17:22	
Left Loophole Russian Shelf	01.12.2015 21:04	
Time on Russian Shelf (days:hours:minutes)		12:03:42
Period with speed < 6 knots from	19.11.2015 17:22	
Period with speed < 6 knots to	30.11.2015 10:07	
Time with speed < 6 knots (days:hours:minutes)		10:16:45
Entered Loophole Norwegian Shelf		
Left Loophole Norwegian Shelf		
Time on Norwegian Shelf (days:hours:minutes)	NO AIS-POSITIONS	00:00:00
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	256,45	
Total hours < 6 knots	256,45	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	42 970	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10479282	05.12.2015

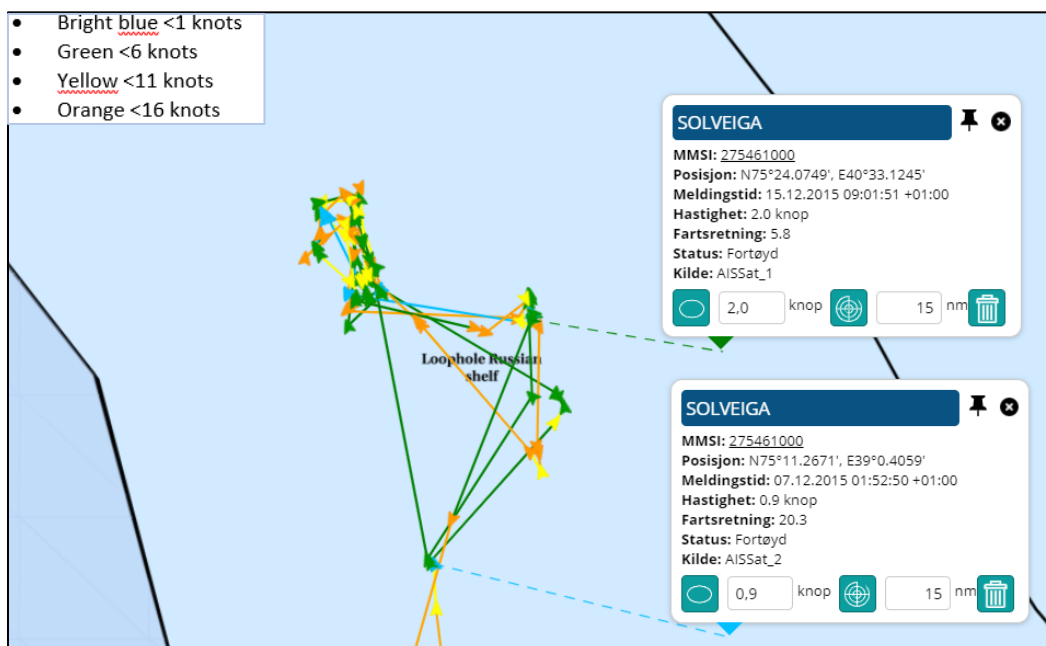
## 2.14 “Solveiga” voyage 14 from December 5<sup>th</sup> to December 16<sup>th</sup> 2015

Figure 50 “Solveiga” voyage 14, overview



Voyage 14, overview. “Solveiga” left Båtsfjord port on December 5<sup>th</sup> 2015 and arrived Båtsfjord port December 16<sup>th</sup> 2015. On arrival, “Solveiga” landed 36 675 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 51 “Solveiga” voyage 14, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from December 7<sup>th</sup> 2015 time 01:52 until December 15<sup>th</sup> 2015 time 09:01.



## 2.14.1 "Solveiga" summary voyage 14

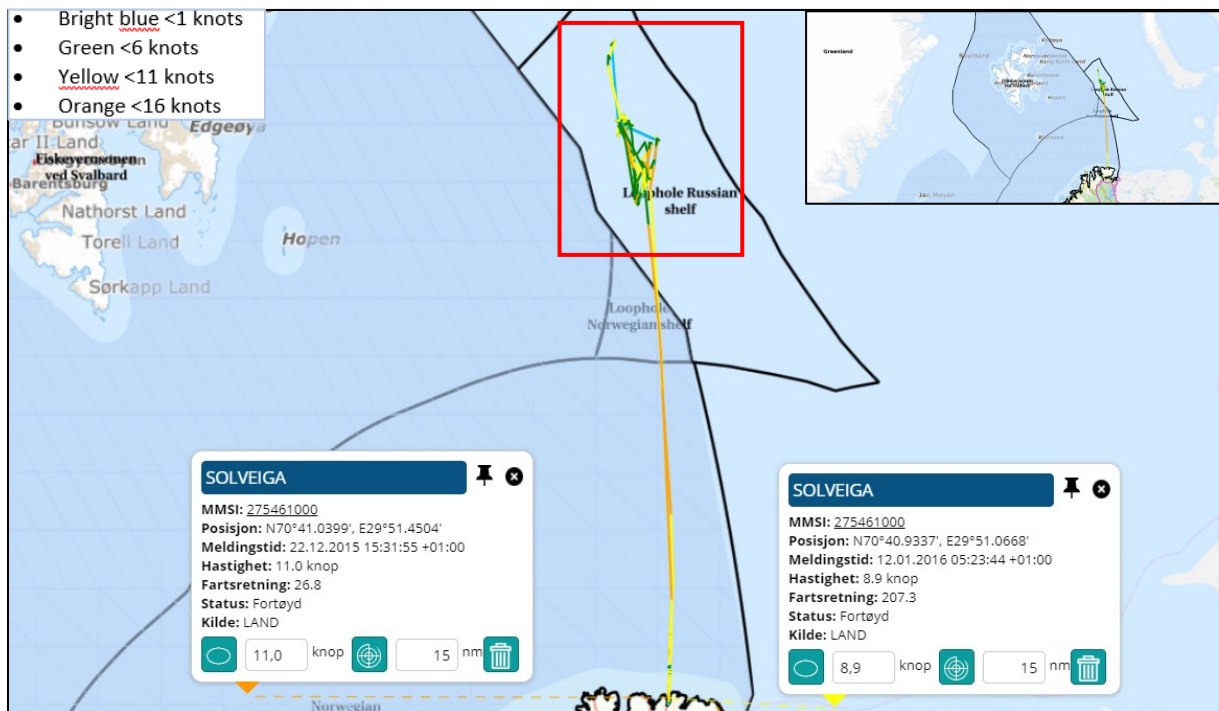
Figure 52 "Solveiga" summary voyage 14

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
05.12.2015	16.12.2015	
Entered Loophole Norwegian Shelf		
Left Loophole Norwegian Shelf		
Time on Norwegian Shelf (days:hours:minutes)	NO AIS-POSITIONS	00:00:00
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	06.12.2015 21:01	
Left Loophole Russian Shelf	16.12.2015 01:13	
Time on Russian Shelf (days:hours:minutes)		09:04:11
Period with speed < 6 knots from	07.12.2015 01:52	
Period with speed < 6 knots to	15.12.2015 09:01	
Time with speed < 6 knots (days:hours:minutes)		08:07:09
Entered Loophole Norwegian Shelf	16.12.2015 01:13	
Left Loophole Norwegian Shelf	16.12.2015 18:04	
Time on Norwegian Shelf (days:hours:minutes)		00:16:51
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	199,09	
Total hours < 6 knots	199,09	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	36 675	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10481945	19.12.2015



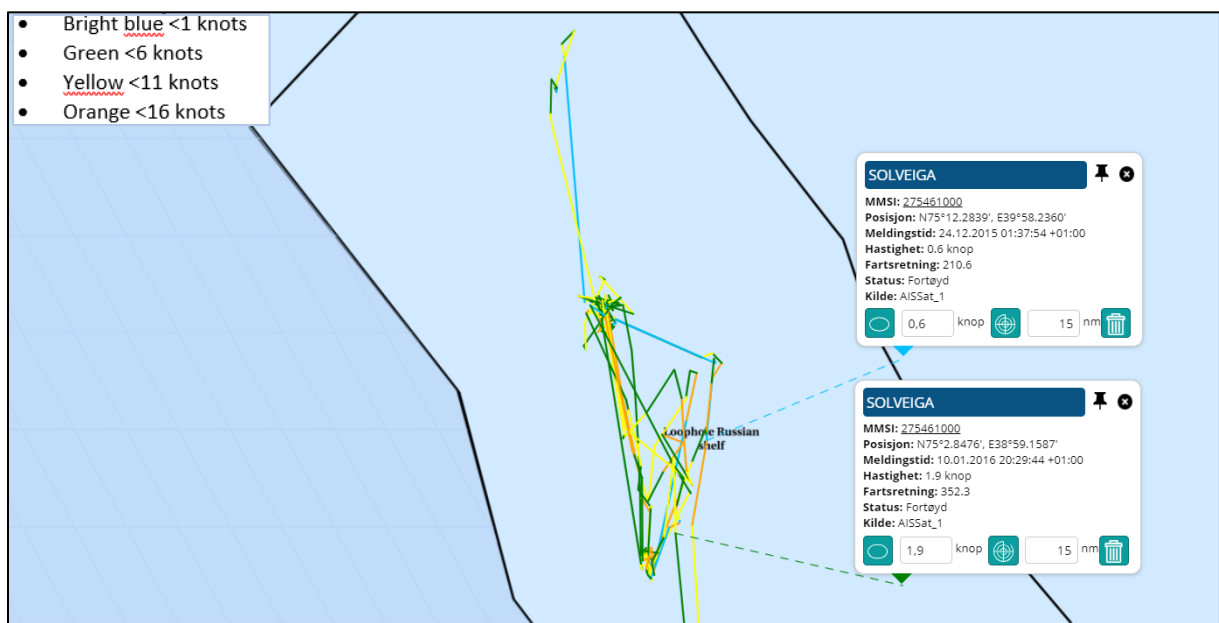
## 2.15 “Solveiga” voyage 15 from December 22<sup>nd</sup> 2015 to January 12<sup>th</sup> 2016

Figure 53 “Solveiga” voyage 15, overview



Voyage 15, overview. “Solveiga” left Båtsfjord port on December 22<sup>nd</sup> 2015 and arrived Båtsfjord port January 12<sup>th</sup> 2016. On arrival, “Solveiga” landed 53 215 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 54 “Solveiga” voyage 15, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from December 24<sup>th</sup> 2015 time 01:37 until January 10<sup>th</sup> 2016 time 20:29.

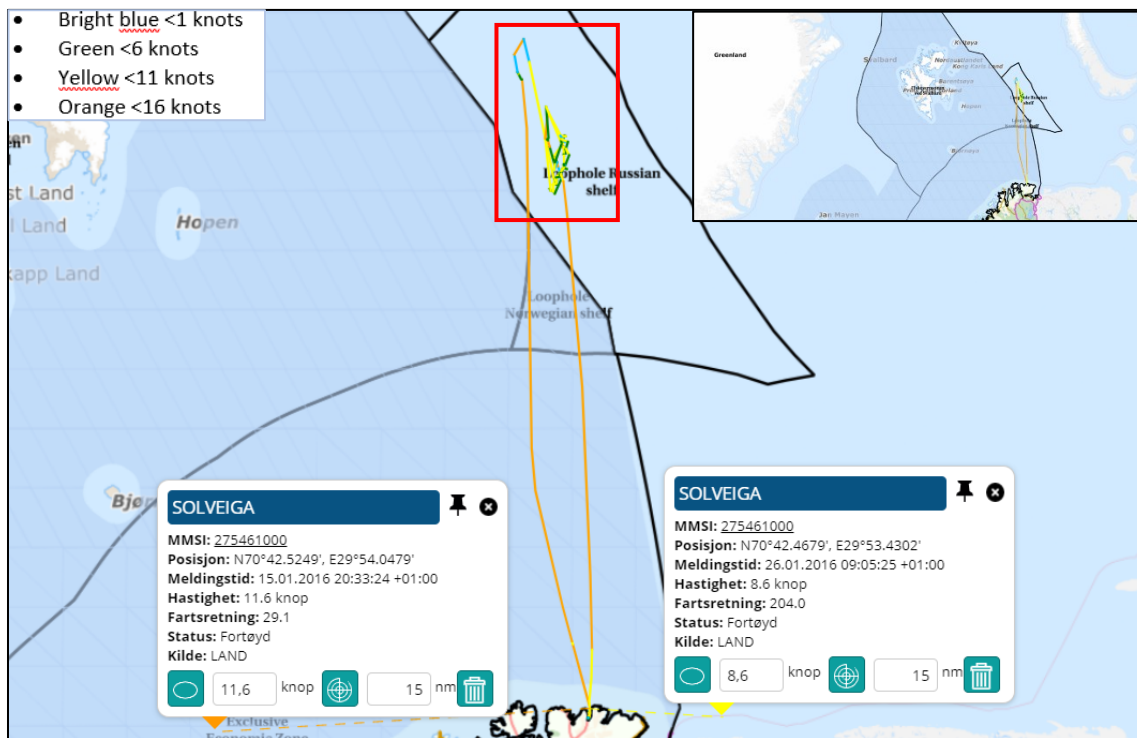
## 2.15.1 "Solveiga" summary voyage 15

Figure 55 "Solveiga" summary voyage 15

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
22.12.2015	12.01.2016	
Entered Loophole Norwegian Shelf		
Left Loophole Norwegian Shelf		
Time on Norwegian Shelf (days:hours:minutes)	NO AIS-POSITIONS	00:00:00
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	24.12.2015 00:01	
Left Loophole Russian Shelf	11.01.2016 02:53	
Time on Russian Shelf (days:hours:minutes)		18:02:51
Period with speed < 6 knots from	24.12.2015 01:37	
Period with speed < 6 knots to	10.01.2016 20:29	
Time with speed < 6 knots (days:hours:minutes)		17:18:51
Entered Loophole Norwegian Shelf	11.01.2016 02:53	
Left Loophole Norwegian Shelf	11.01.2016 09:35	
Time on Norwegian Shelf (days:hours:minutes)		00:06:42
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	426,51	
Total hours < 6 knots	426,51	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	53 215	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10487355	15.01.2016

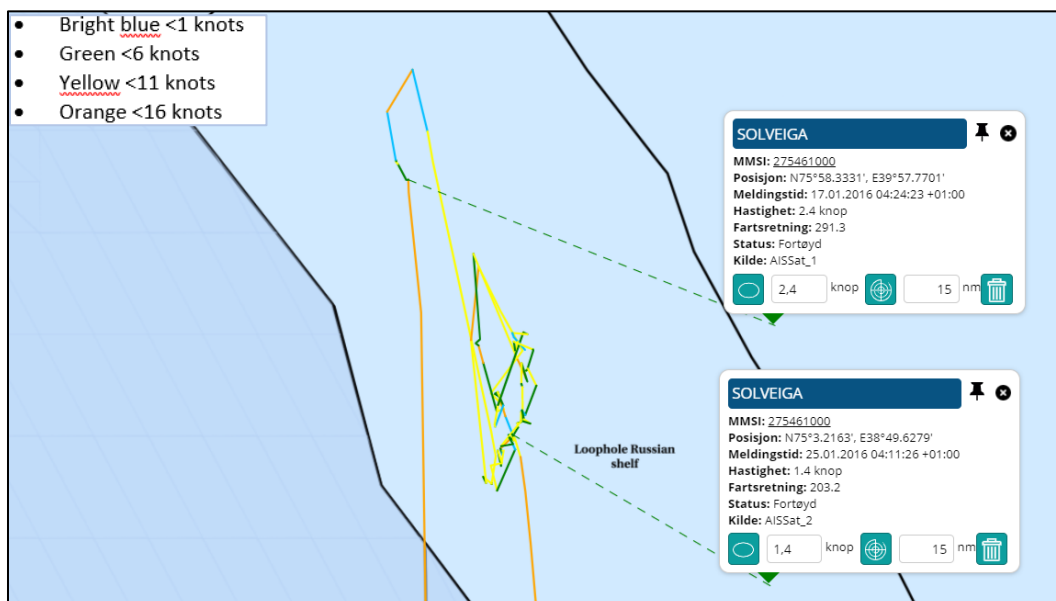
## 2.16 “Solveiga” voyage 16 from January 15<sup>th</sup> to January 26<sup>th</sup> 2016

Figure 56 “Solveiga” voyage 16, overview



Voyage 16, overview. “Solveiga” left Båtsfjord port on January 15<sup>th</sup> 2016 and arrived Båtsfjord port January 26<sup>th</sup> 2016. On arrival, “Solveiga” landed 30 233 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 57 “Solveiga” voyage 16, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from January 17<sup>th</sup> 2015 time 04:24 until January 25<sup>th</sup> 2016 time 04:11.

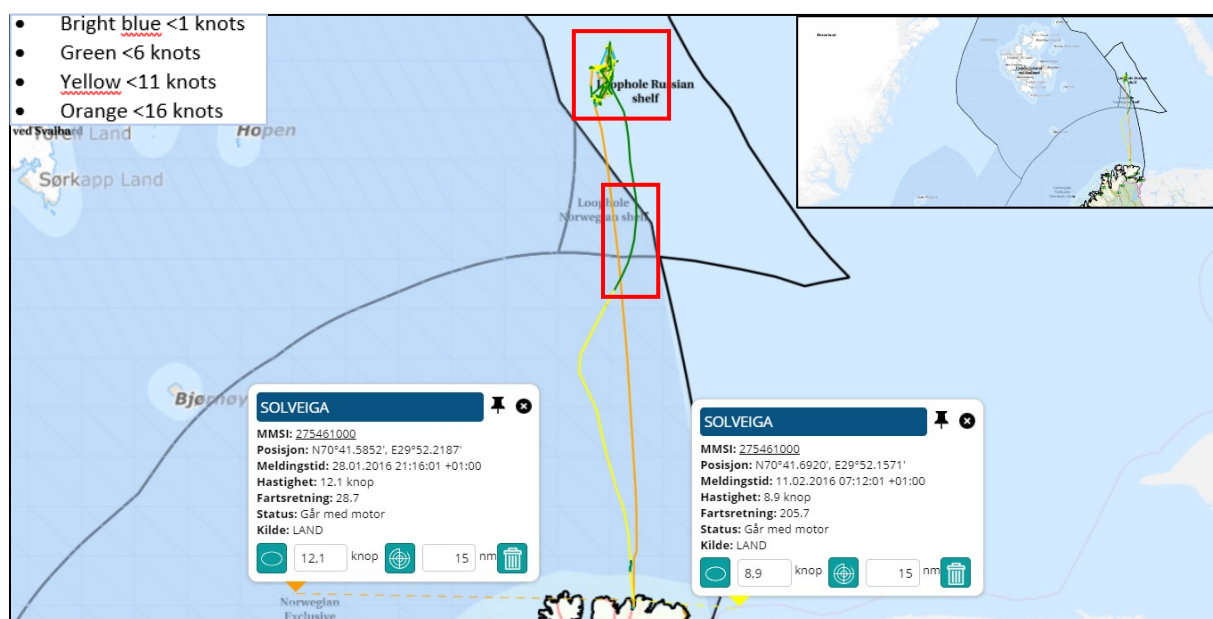
## 2.16.1 "Solveiga" summary voyage 16

Figure 58 "Solveiga" summary voyage 16

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
15.01.2016	26.01.2016	
Entered Loophole Norwegian Shelf		
Left Loophole Norwegian Shelf		
Time on Norwegian Shelf (days:hours:minutes)	NO AIS-POSITIONS	00:00:00
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	17.01.2016 01:12	
Left Loophole Russian Shelf	25.01.2016 10:38	
Time on Russian Shelf (days:hours:minutes)		08:09:26
Period with speed < 6 knots from	17.01.2016 04:24	
Period with speed < 6 knots to	25.01.2016 04:11	
Time with speed < 6.knots (days:hours:minutes)		07:23:47
Entered Loophole Norwegian Shelf	25.01.2016 10:38	
Left Loophole Norwegian Shelf	25.01.2016 16:05	
Time on Norwegian Shelf (days:hours:minutes)		00:05:27
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	191,47	
Total hours < 6 knots	191,47	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	30 233	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10493395	28.01.2016

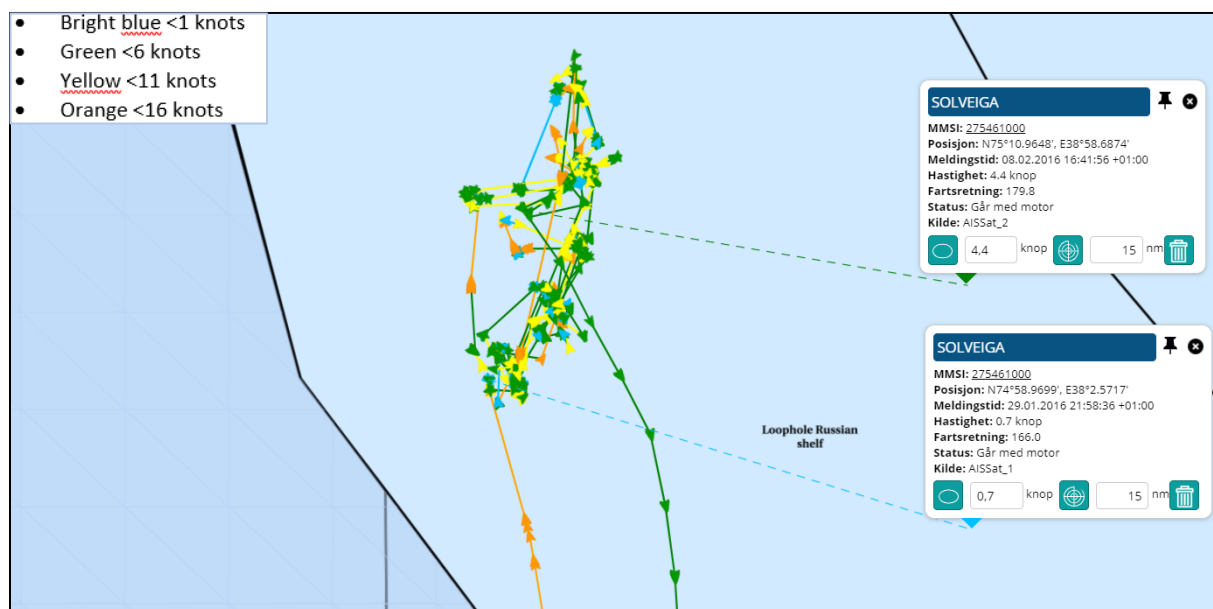
## 2.17 “Solveiga” voyage 17 from January 28<sup>th</sup> to February 11<sup>th</sup> 2016

Figure 59 “Solveiga” voyage 17, overview



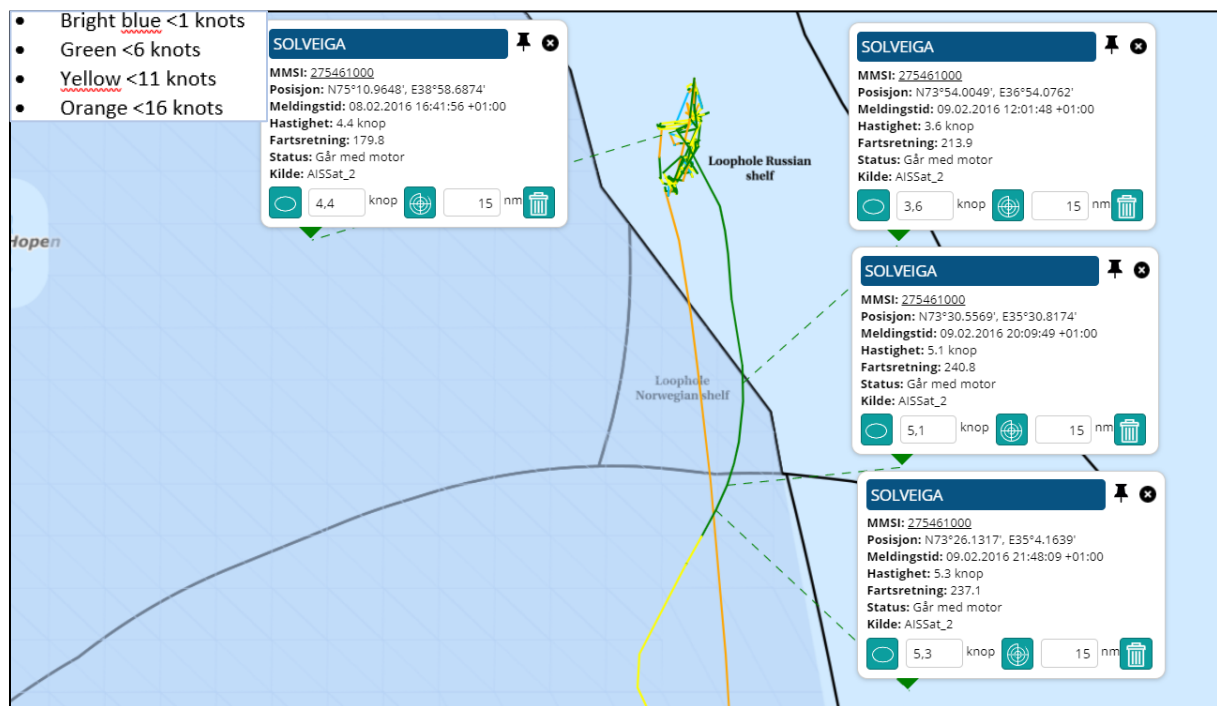
Voyage 17, overview. “Solveiga” left Båtsfjord port on January 28<sup>th</sup> 2016 and arrived Båtsfjord port February 11<sup>th</sup> 2016. On arrival, “Solveiga” landed 33 953 kilos live snow crab. The track shows that “Solveiga” was sailing through the Norwegian continental shelf in the Loop Hole on this voyage, northbound and southbound. The green color of the track indicates that “Solveiga” was sailing with speed <6 knots in given periods on the Norwegian continental shelf, southbound.

Figure 60 “Solveiga” voyage 17, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from January 29<sup>th</sup> 2016 time 21:58 until February 8<sup>th</sup> 2016 time 16:41.

Figure 61 "Solveiga" voyage 17, &lt; 6 knots on the Norwegian continental shelf



Norwegian continental shelf in the Loop Hole. Heading southbound "Solveiga" was sailing with speed < 6 knots in the period from time 12:01 to time 20:09 on February 9<sup>th</sup> 2016 on the Norwegian continental shelf in the Loop Hole. While "Solveiga" was heading southbound the speed was <6 knots from Russian continental shelf in the Loop Hole until "Solveiga" was in the Norwegian Economic Zone.

As the figures shows "Solveiga" was sailing over a long distance with speed < 6 knots. The distance and time between the AIS- positions shows that "Solveiga" was unlikely to have been involved in any snow crab harvesting during this period. The reason for the low speed may have been engine or other mechanical difficulties.

Figure 62 "Solveiga" voyage 17, &lt; 6 knots AIS-positions on the Norwegian continental shelf

Ship	MMSI	IMO	Callsign	Message time	Lon	Lat	Speed	Heading	Source
SOLVEIGA	275461000	8520173	YL2892	08.02.2016 16:41	38,978123	75,182747	4,40	179,8	AISSat_2
SOLVEIGA	275461000	8520173	YL2892	09.02.2016 12:01	36,90127	73,900082	3,60	213,8	AISSat_2
SOLVEIGA	275461000	8520173	YL2892	09.02.2016 20:09	35,513623	73,509282	5,10	240,8	AISSat_2
SOLVEIGA	275461000	8520173	YL2892	09.02.2016 21:48	35,069398	73,435528	5,30	237,1	AISSat_2

The table above shows the time, position and speed for "Solveiga" 's AIS- positions on the Norwegian continental shelf of the Loop hole with speed <6 knots.



## 2.17.1 "Solveiga" summary voyage 17

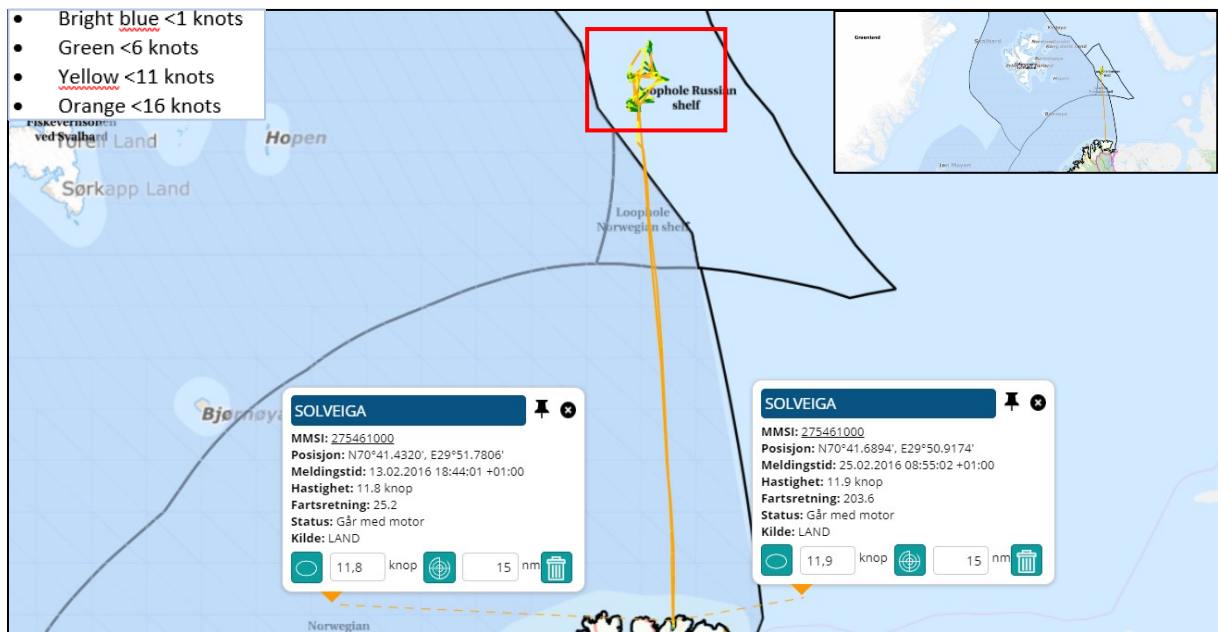
Figure 63 "Solveiga" summary voyage 17

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
28.01.2016	11.02.2016	
Entered Loophole Norwegian Shelf	29.01.2016 15:28	
Left Loophole Norwegian Shelf	29.01.2016 18:39	
Time on Norwegian Shelf (days:hours:minutes)		00:03:10
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	29.01.2016 18:39	
Left Loophole Russian Shelf	09.02.2016 12:01	
Time on Russian Shelf (days:hours:minutes)		10:17:22
Period with speed < 6 knots from	29.01.2016 21:58	
Period with speed < 6 knots to	08.02.2016 16:41	
Time with speed < 6.knots (days:hours:minutes)		09:18:43
Entered Loophole Norwegian Shelf	09.02.2016 12:01	
Left Loophole Norwegian Shelf	09.02.2016 20:09	
Time on Norwegian Shelf (days:hours:minutes)		00:08:08
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	234,43	
Total hours < 6 knots	234,43	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	33 953	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10501984	13.02.2016



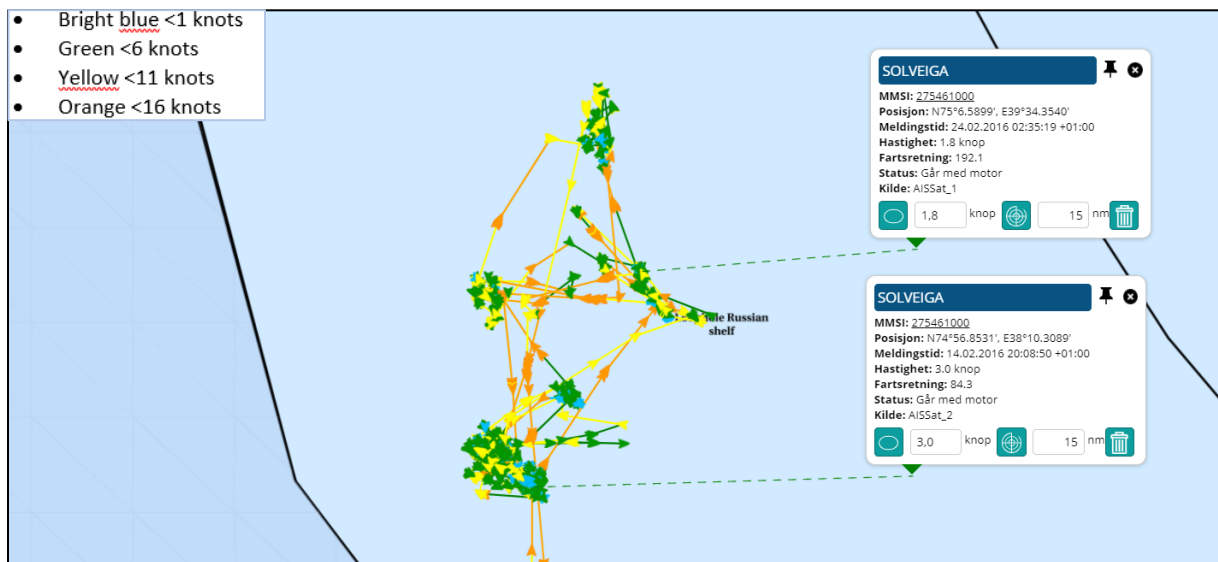
## 2.18 “Solveiga” voyage 18 from February 13<sup>th</sup> to February 25<sup>th</sup> 2016

Figure 64 “Solveiga” voyage 18, overview



Voyage 18, overview. “Solveiga” left Båtsfjord port on February 13<sup>th</sup> 2016 and arrived Båtsfjord port February 25<sup>th</sup> 2016. On arrival, “Solveiga” landed 35 578 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 65 “Solveiga” voyage 18, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from February 14<sup>th</sup> 2016 time 20:08 until February 24<sup>th</sup> 2016 time 02:35.

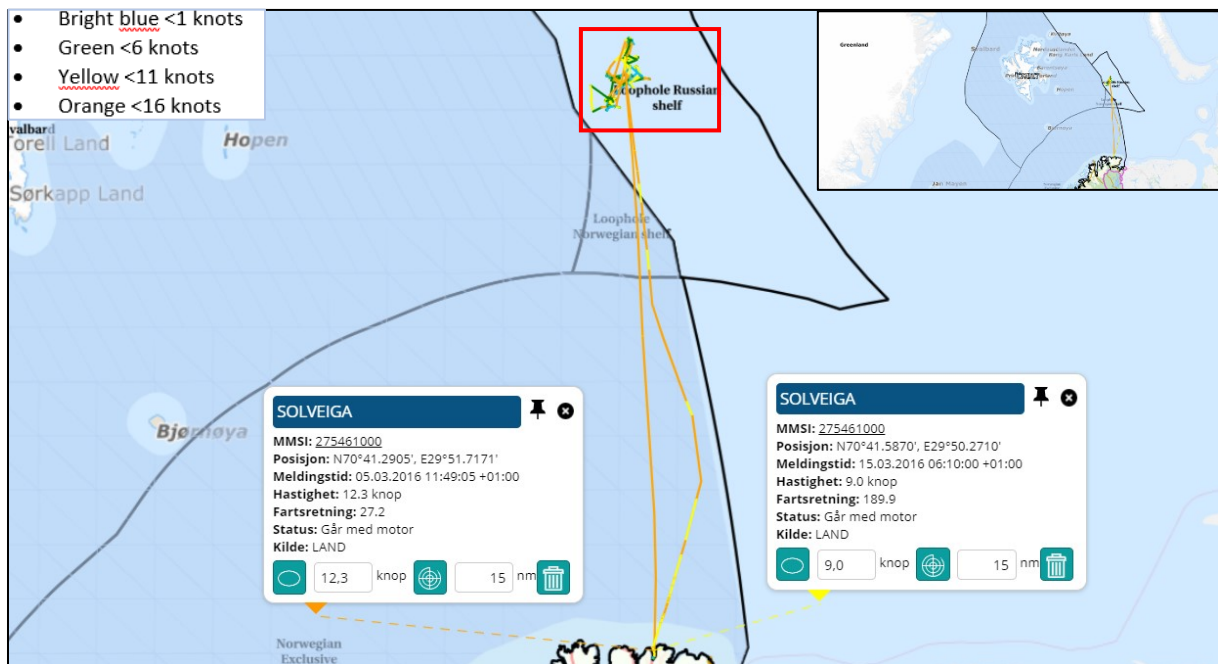
## 2.18.1 "Solveiga" summary voyage 18

Figure 66 "Solveiga" summary voyage 18

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
13.02.2016	25.02.2016	
Entered Loophole Norwegian Shelf	14.02.2016 14:37	
Left Loophole Norwegian Shelf	14.02.2016 17:50	
Time on Norwegian Shelf (days:hours:minutes)		00:03:13
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	14.02.2016 17:50	
Left Loophole Russian Shelf	24.02.2016 12:17	
Time on Russian Shelf (days:hours:minutes)		09:18:27
Period with speed < 6 knots from	14.02.2016 20:08	
Period with speed < 6 knots to	24.02.2016 02:35	
Time with speed < 6 knots (days:hours:minutes)		09:06:26
Entered Loophole Norwegian Shelf	24.02.2016 12:17	
Left Loophole Norwegian Shelf	24.02.2016 16:40	
Time on Norwegian Shelf (days:hours:minutes)		00:04:22
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	222,26	
Total hours < 6 knots	222,26	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	35 578	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10513521	27.02.2016

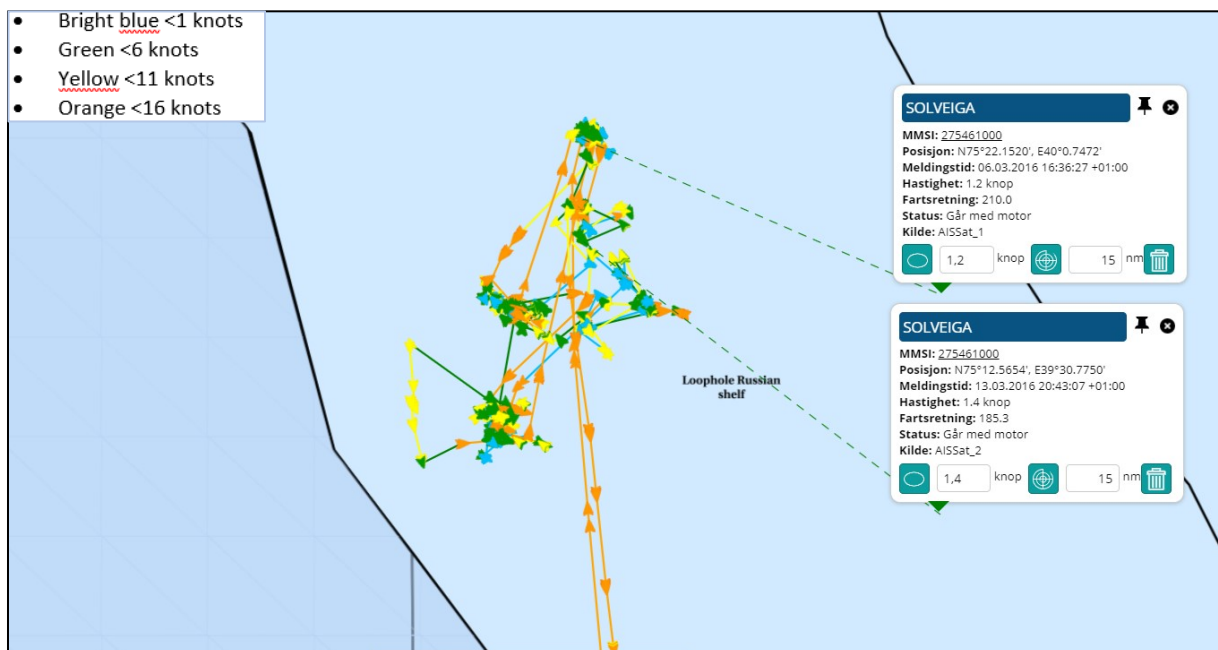
## 2.19 “Solveiga” voyage 19 from March 5<sup>th</sup> to March 15<sup>th</sup> 2016

Figure 67 “Solveiga” voyage 19, overview



Voyage 19, overview. “Solveiga” left Båtsfjord port on March 5<sup>th</sup> 2016 and arrived Båtsfjord port March 15<sup>th</sup> 2016. On arrival, “Solveiga” landed 37 158 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 68 “Solveiga” voyage 19, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from March 6<sup>th</sup> 2016 time 16:36 until March 13<sup>th</sup> 2016 time 20:43.

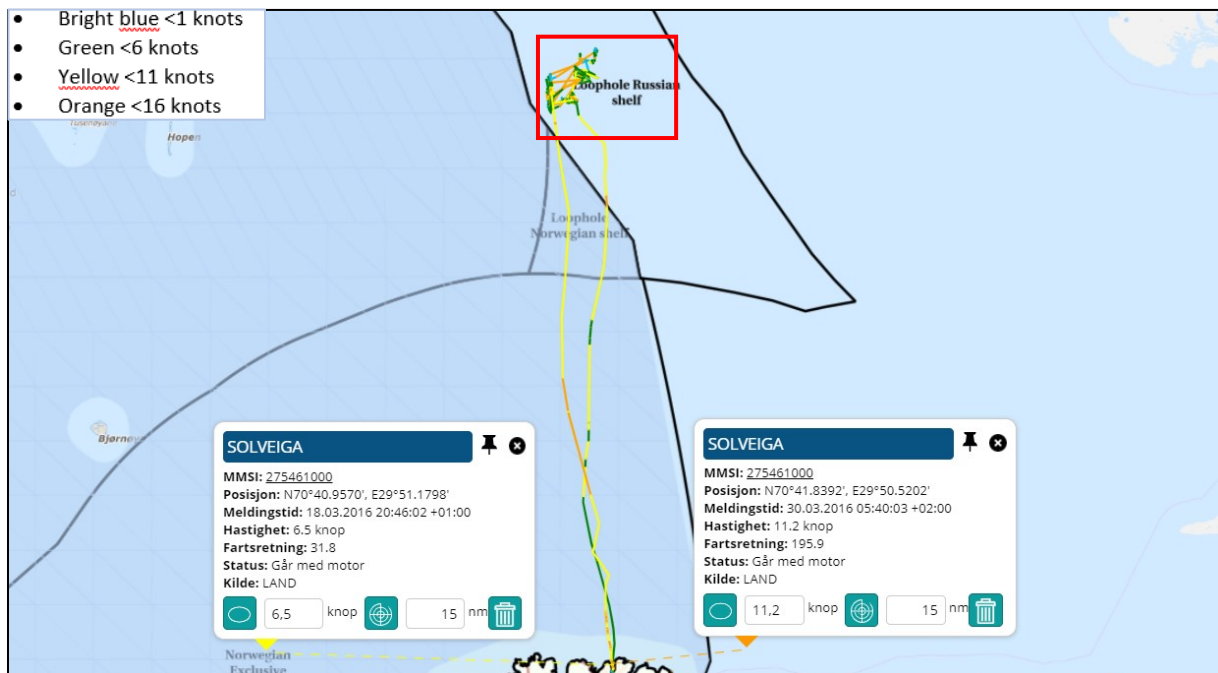
## 2.19.1 "Solveiga" summary voyage 19

Figure 69 "Solveiga" summary voyage 19

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
05.03.2016	15.03.2016	
Entered Loophole Norwegian Shelf	06.03.2016 05:23	
Left Loophole Norwegian Shelf	06.03.2016 10:12	
Time on Norwegian Shelf (days:hours:minutes)		00:04:48
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	06.03.2016 10:12	
Left Loophole Russian Shelf	14.03.2016 07:22	
Time on Russian Shelf (days:hours:minutes)		07:21:09
Period with speed < 6 knots from	06.03.2016 16:36	
Period with speed < 6 knots to	13.03.2016 20:43	
Time with speed < 6 knots (days:hours:minutes)		07:04:06
Entered Loophole Norwegian Shelf	14.03.2016 07:22	
Left Loophole Norwegian Shelf	14.03.2016 12:12	
Time on Norwegian Shelf (days:hours:minutes)		00:04:49
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	172,06	
Total hours < 6 knots	172,06	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	37 158	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10534081	17.03.2016

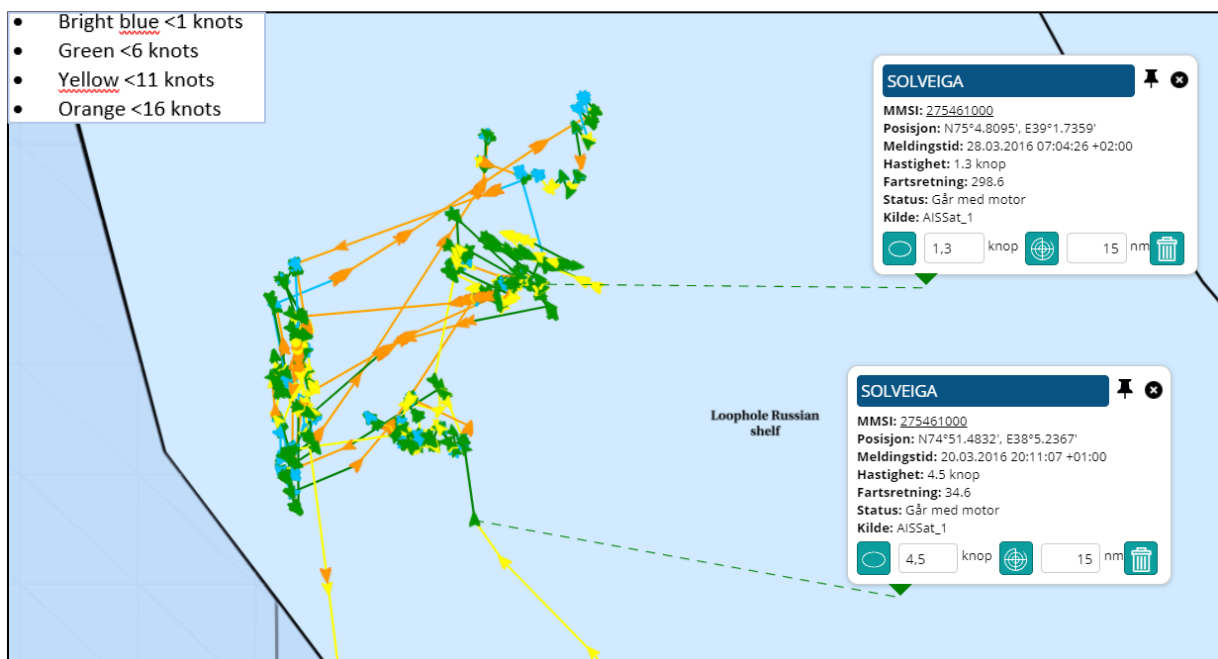
## 2.20 “Solveiga” voyage 20 from March 18<sup>th</sup> to March 30<sup>th</sup> 2016

Figure 70 “Solveiga” voyage 20, overview



Voyage 20, overview. “Solveiga” left Båtsfjord port on March 18<sup>th</sup> 2016 and arrived Båtsfjord port March 30<sup>th</sup> 2016. On arrival, “Solveiga” landed 40 256 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 71 “Solveiga” voyage 20, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from March 20<sup>th</sup> 2016 time 20:11 until March 28<sup>th</sup> 2016 time 07:04.

## 2.20.1 "Solveiga" summary voyage 20

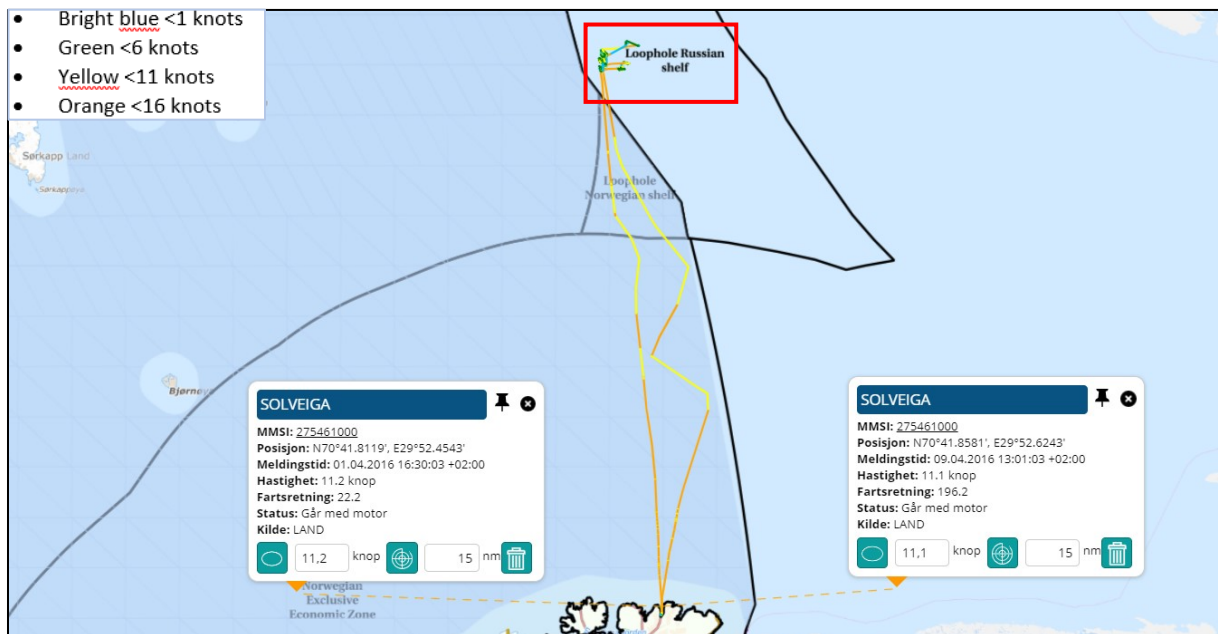
Figure 72 "Solveiga" summary voyage 20

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
18.03.2016	30.03.2016	
Entered Loophole Norwegian Shelf	20.03.2016 11:28	
Left Loophole Norwegian Shelf	20.03.2016 15:17	
Time on Norwegian Shelf (days:hours:minutes)		00:03:49
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	20.03.2016 15:17	
Left Loophole Russian Shelf	29.03.2016 00:42	
Time on Russian Shelf (days:hours:minutes)		08:09:25
Period with speed < 6 knots from	20.03.2016 20:11	
Period with speed < 6 knots to	28.03.2016 07:04	
Time with speed < 6 knots (days:hours:minutes)		07:10:53
Entered Loophole Norwegian Shelf	29.03.2016 00:42	
Left Loophole Norwegian Shelf	29.03.2016 08:47	
Time on Norwegian Shelf (days:hours:minutes)		00:08:05
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	178,53	
Total hours < 6 knots	178,53	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	40 256	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10545877	01.04.2016



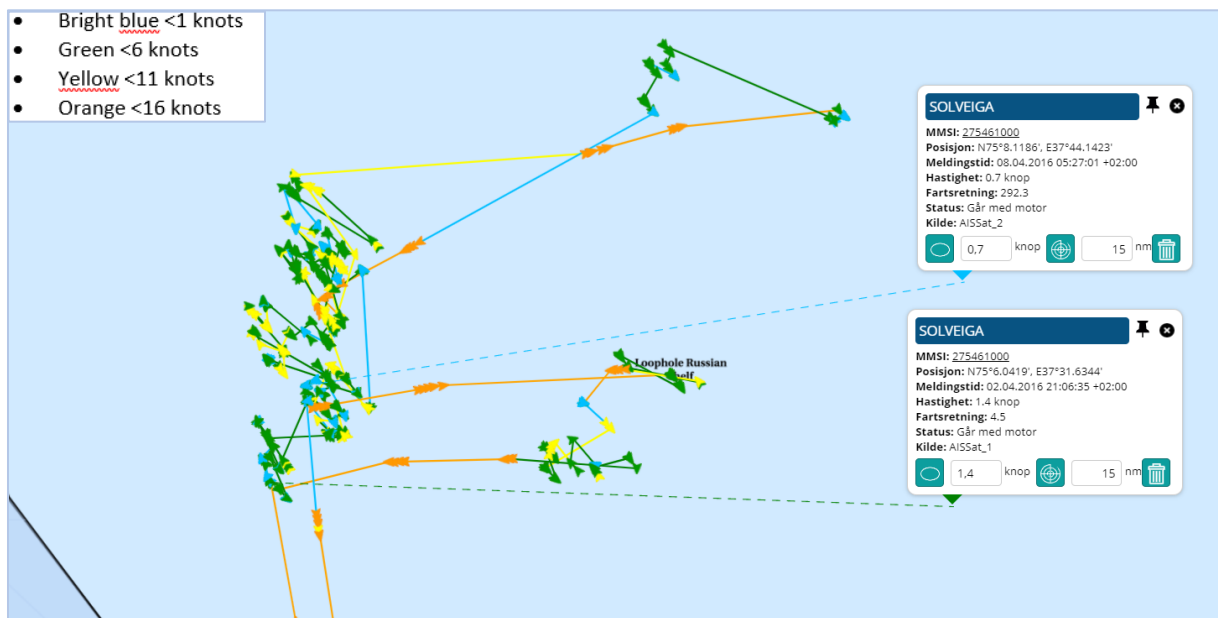
## 2.21 “Solveiga” voyage 21 from April 1<sup>st</sup> to April 9<sup>th</sup> 2016

Figure 73 “Solveiga” voyage 21, overview



Voyage 21, overview. “Solveiga” left Båtsfjord port on April 1<sup>st</sup> 2016 and arrived Båtsfjord port April 9<sup>th</sup> 2016. On arrival, “Solveiga” landed 54 982 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 74 “Solveiga” voyage 21, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from April 2<sup>nd</sup> 2016 time 21:06 until April 8<sup>th</sup> 2016 time 05:27.



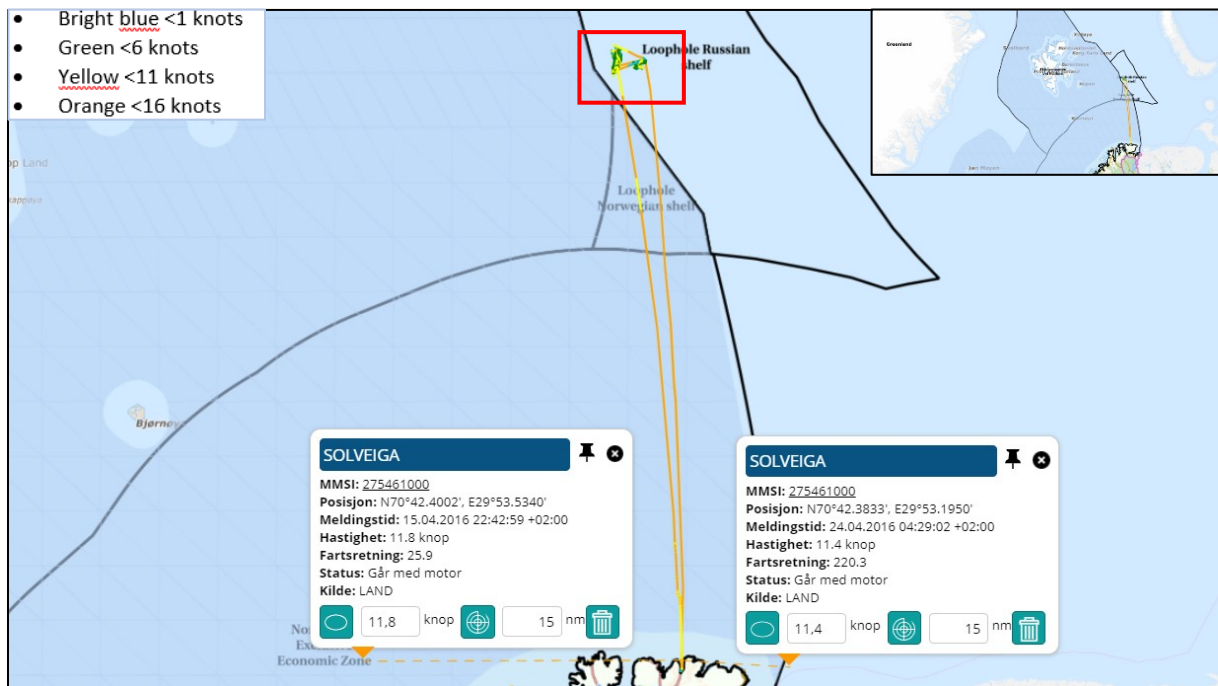
## 2.21.1 "Solveiga" summary voyage 21

Figure 75 "Solveiga" summary voyage 21

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
01.04.2016	09.04.2016	
Entered Loophole Norwegian Shelf	02.04.2016 11:40	
Left Loophole Norwegian Shelf	02.04.2016 19:27	
Time on Norwegian Shelf (days:hours:minutes)		00:07:47
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	02.04.2016 19:27	
Left Loophole Russian Shelf	08.04.2016 08:12	
Time on Russian Shelf (days:hours:minutes)		05:12:44
Period with speed < 6 knots from	02.04.2016 21:06	
Period with speed < 6 knots to	08.04.2016 05:27	
Time with speed < 6 knots (days:hours:minutes)		05:08:20
Entered Loophole Norwegian Shelf	08.04.2016 08:38	
Left Loophole Norwegian Shelf	08.04.2016 16:11	
Time on Norwegian Shelf (days:hours:minutes)		00:07:32
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	128,2	
Total hours < 6 knots	128,2	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	54 982	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10558469	13.04.2016

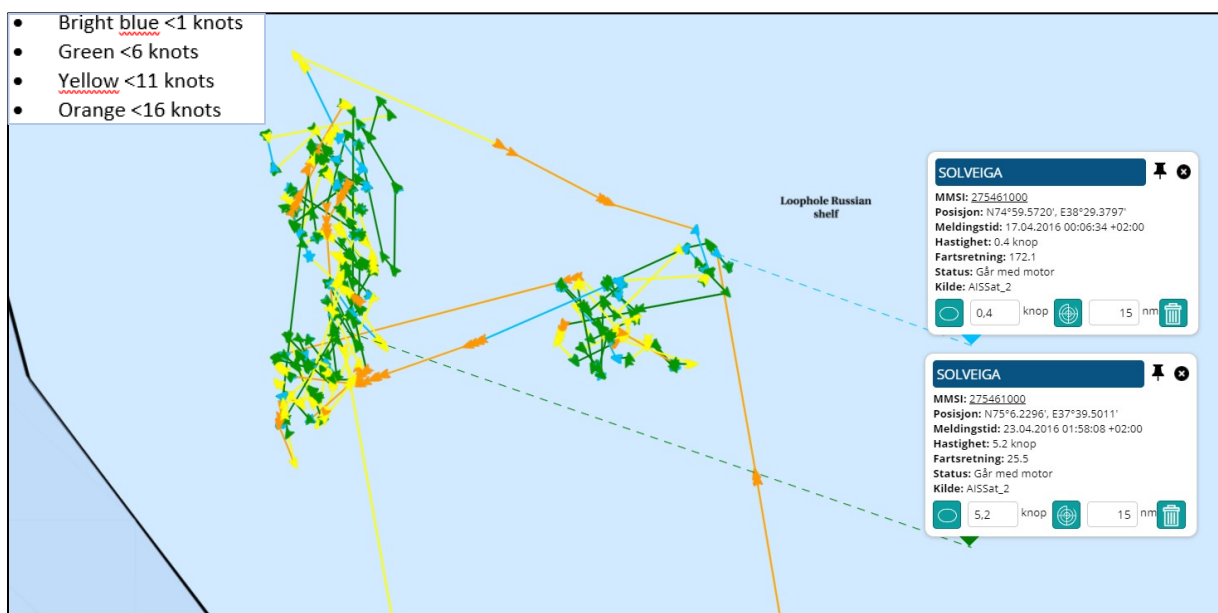
## 2.22 “Solveiga” voyage 22 from April 15<sup>th</sup> to April 24<sup>th</sup> 2016

Figure 76 “Solveiga” voyage 22, overview



Voyage 22, overview. “Solveiga” left Båtsfjord port on April 15<sup>th</sup> 2016 and arrived Båtsfjord port April 24<sup>th</sup> 2016. On arrival, “Solveiga” landed 40 060 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 77 “Solveiga” voyage 22, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from April 17<sup>nd</sup> 2016 time 00:06 until April 23<sup>th</sup> 2016 time 01:58.

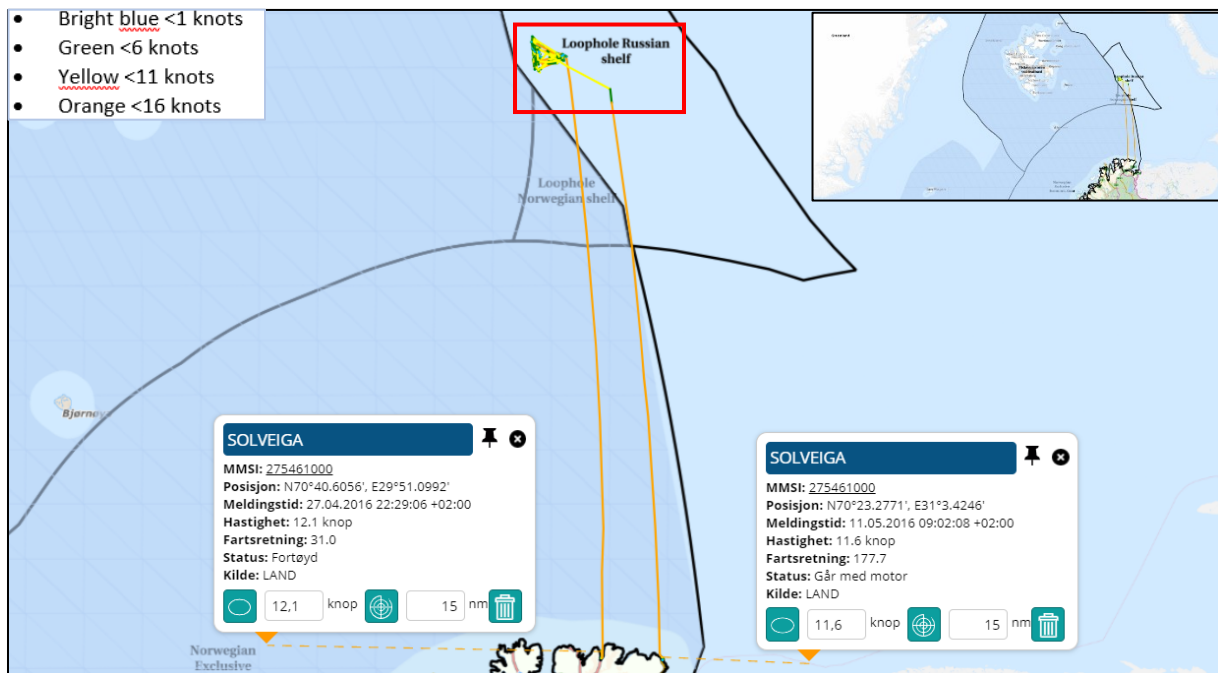
## 2.22.1 "Solveiga" summary voyage 22

Figure 78 "Solveiga" summary voyage 22

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
15.04.2016	24.04.2016	
Entered Loophole Norwegian Shelf	16.04.2016 15:55	
Left Loophole Norwegian Shelf	16.04.2016 21:28	
Time on Norwegian Shelf (days:hours:minutes)		00:05:32
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	16.04.2016 21:28	
Left Loophole Russian Shelf	23.04.2016 05:09	
Time on Russian Shelf (days:hours:minutes)		06:07:41
Period with speed < 6 knots from	17.04.2016 00:06	
Period with speed < 6 knots to	23.04.2016 01:58	
Time with speed < 6 knots (days:hours:minutes)		06:01:51
Entered Loophole Norwegian Shelf	23.04.2016 05:09	
Left Loophole Norwegian Shelf	23.04.2016 10:14	
Time on Norwegian Shelf (days:hours:minutes)		00:05:04
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	145,51	
Total hours < 6 knots	145,51	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	40 060	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10566021	27.04.2016

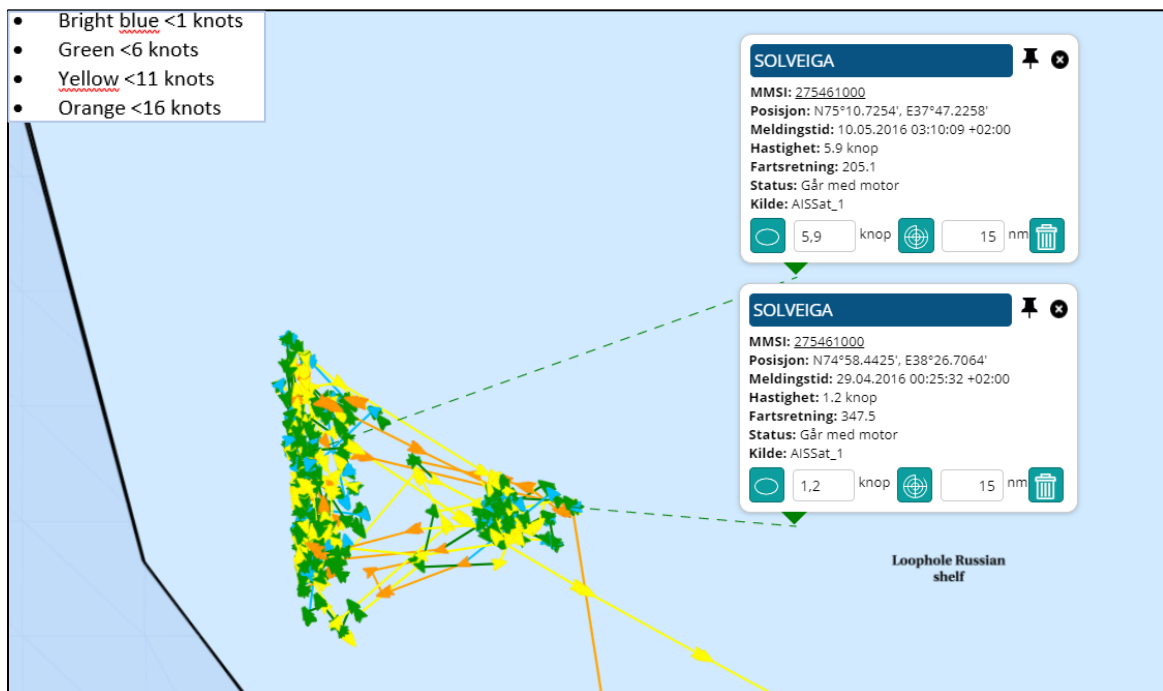
## 2.23 “Solveiga” voyage 23 from April 27<sup>th</sup> to May 11<sup>th</sup> 2016

Figure 79 “Solveiga” voyage 23, overview



Voyage 23, overview. “Solveiga” left Båtsfjord port on April 27<sup>th</sup> 2016 and arrived Svartnes, Vardø port May 11<sup>th</sup> 2016. On arrival, “Solveiga” landed 74 805 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound, and did not engage in any snow crab harvesting there.

Figure 80 “Solveiga” voyage 23, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from April 29<sup>th</sup> 2016 time 00:25 until May 10<sup>th</sup> 2016 time 03:10.

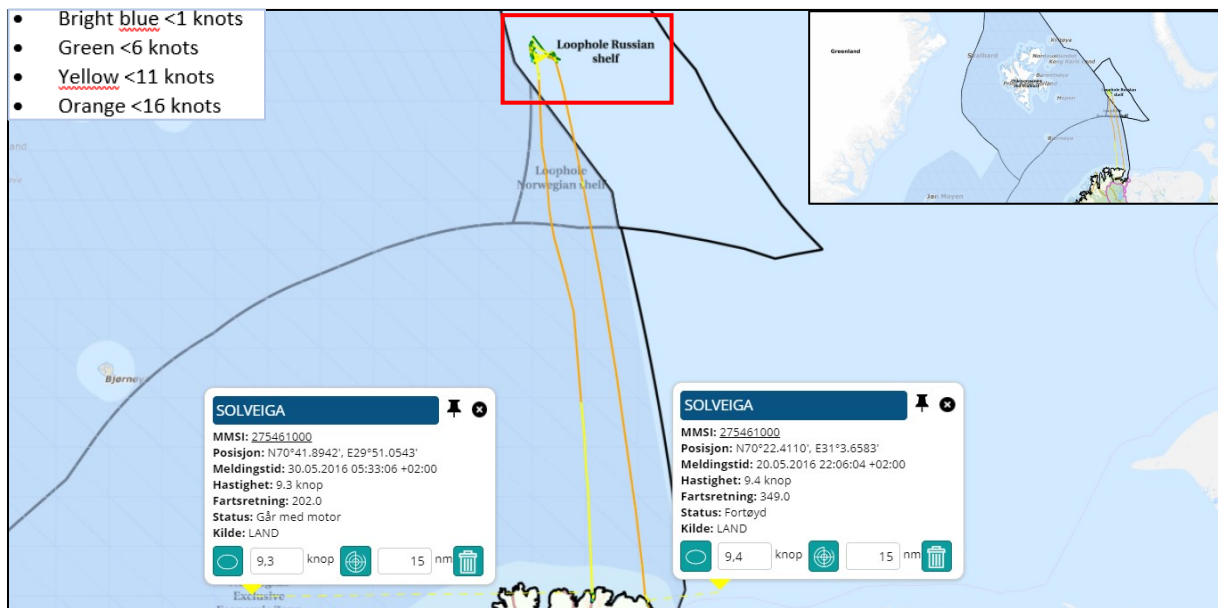
## 2.23.1 "Solveiga" summary voyage 23

Figure 81 "Solveiga" summary voyage 23

Voyage started from Båtsfjord port	Voyage ended in Svartnes, Vardø port	
27.04.2016	11.05.2016	
Entered Loophole Norwegian Shelf	28.04.2016 16:18	
Left Loophole Norwegian Shelf	28.04.2016 21:11	
Time on Norwegian Shelf (days:hours:minutes)		00:04:52
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	28.04.2016 21:11	
Left Loophole Russian Shelf	10.05.2016 15:15	
Time on Russian Shelf (days:hours:minutes)		11:18:03
Period with speed < 6 knots from	29.04.2016 00:25	
Period with speed < 6 knots to	10.05.2016 03:10	
Time with speed < 6.knots (days:hours:minutes)		11:02:44
Entered Loophole Norwegian Shelf		
Left Loophole Norwegian Shelf		
Time on Norwegian Shelf (days:hours:minutes)	NO TRACKS IN ZONE	00:00:00
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	266,44	
Total hours < 6 knots	266,44	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	74 805	
Factory (crab receiver)	Arctic Catch AS	
Landingnote number and date	10572325	20.05.2016

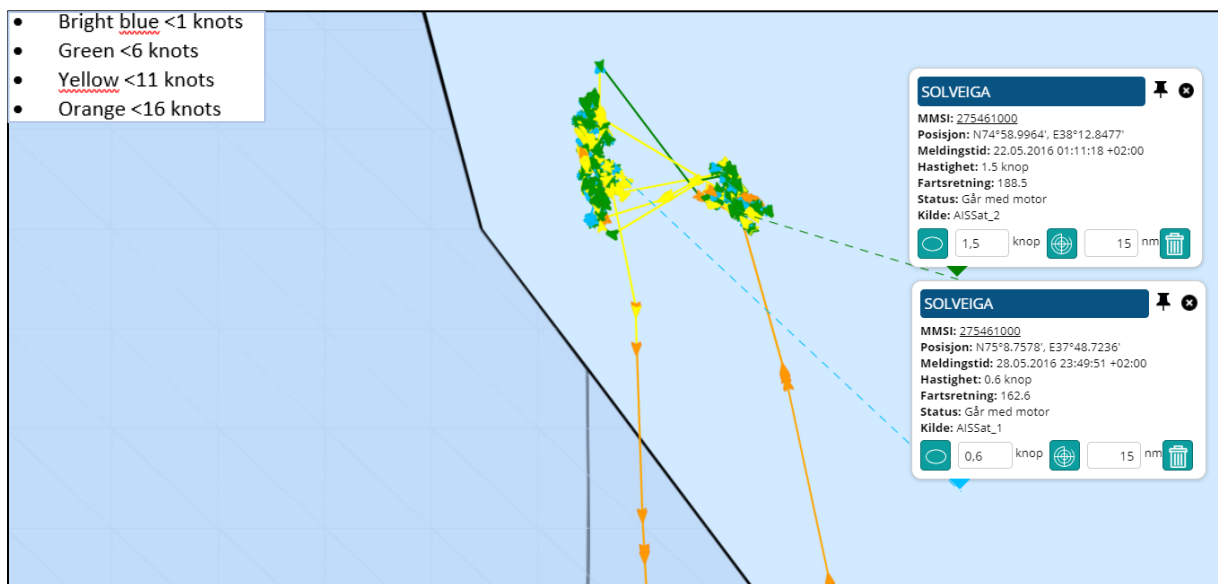
## 2.24 “Solveiga” voyage 24 from May 20<sup>th</sup> to May 30<sup>th</sup> 2016

Figure 82 “Solveiga” voyage 24, overview



Voyage 24, overview. “Solveiga” left Svartnes, Vardø port on May 20<sup>th</sup> 2016 and arrived Båtsfjord port May 30<sup>th</sup> 2016. On arrival, “Solveiga” landed 76 555 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 83 “Solveiga” voyage 24, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from May 22<sup>th</sup> 2016 time 01:11 until May 28<sup>th</sup> 2016 time 23:49.



## 2.24.1 "Solveiga" summary voyage 24

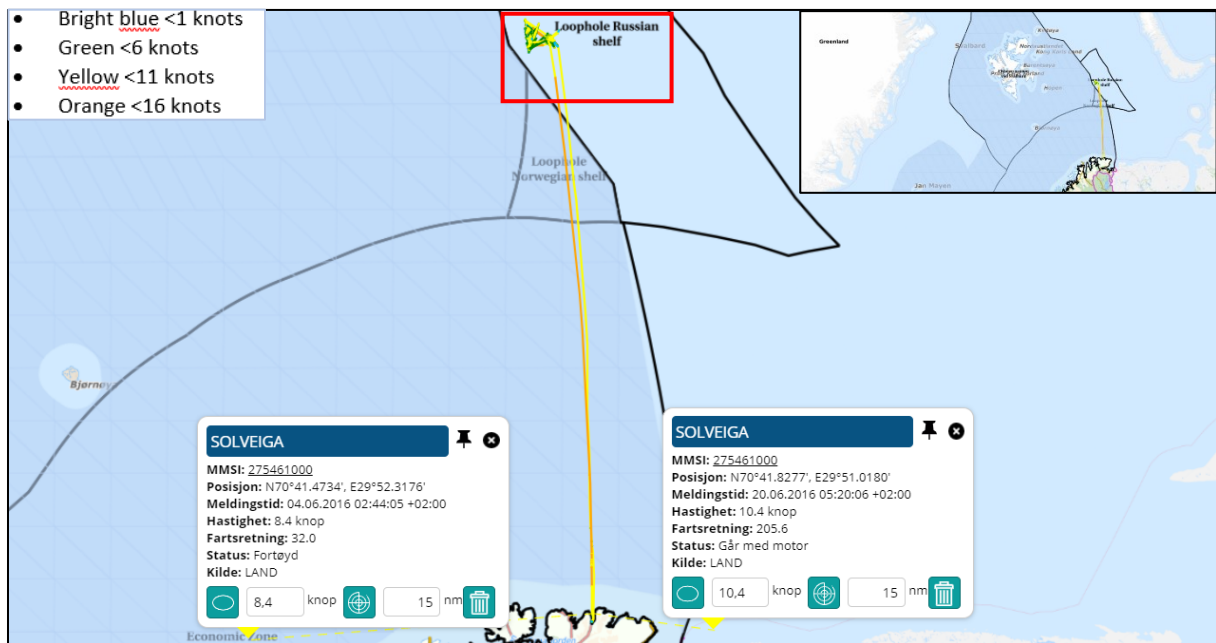
Figure 84 "Solveiga" summary voyage 24

Voyage started from Svartnes Vardø port	Voyage ended in Båtsfjord port	
20.05.2016	30.05.2016	
Entered Loophole Norwegian Shelf	21.05.2016 18:38	
Left Loophole Norwegian Shelf	21.05.2016 21:58	
Time on Norwegian Shelf (days:hours:minutes)		00:03:19
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	21.05.2016 21:58	
Left Loophole Russian Shelf	29.05.2016 03:01	
Time on Russian Shelf (days:hours:minutes)		07:05:03
Period with speed < 6 knots from	22.05.2016 01:11	
Period with speed < 6 knots to	28.05.2016 23:49	
Time with speed < 6.knots (days:hours:minutes)		06:22:38
Entered Loophole Norwegian Shelf	29.05.2016 03:01	
Left Loophole Norwegian Shelf	29.05.2016 09:29	
Time on Norwegian Shelf (days:hours:minutes)		00:06:28
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	166,38	
Total hours < 6 knots	166,38	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	76 555	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10576439	03.06.2016



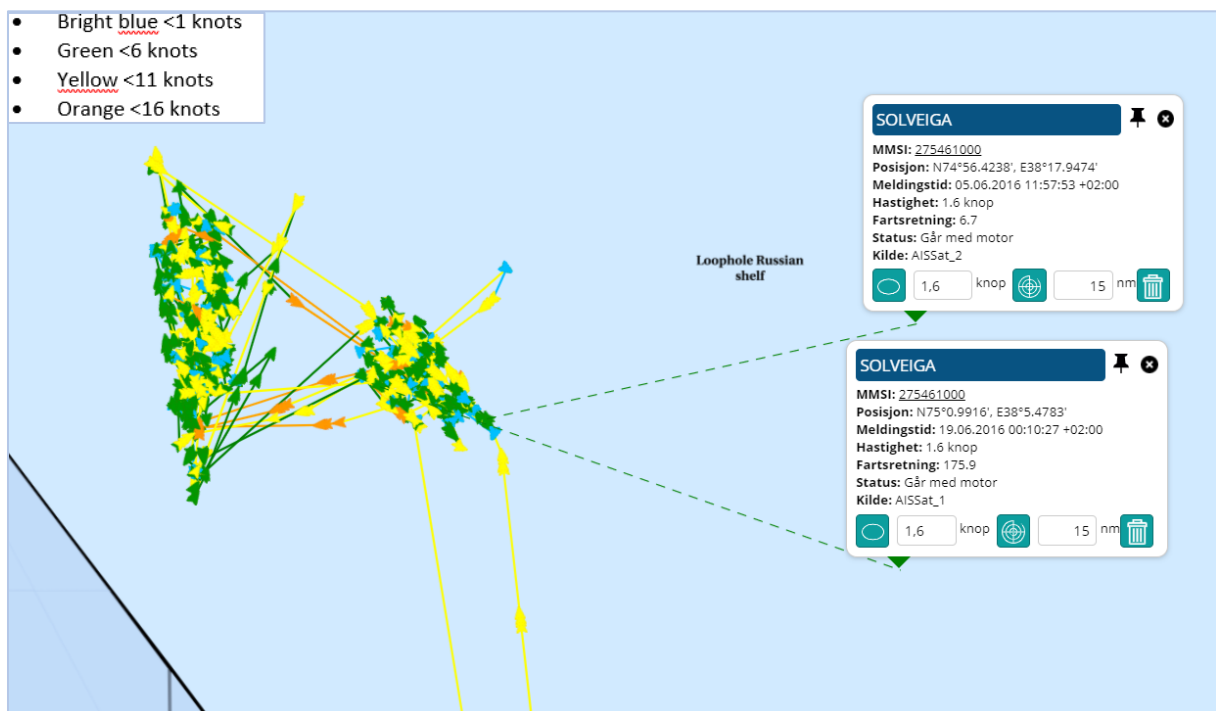
## 2.25 “Solveiga” voyage 25 from June 4<sup>th</sup> to June 20<sup>th</sup> 2016

Figure 85 “Solveiga” voyage 25, overview



Voyage 25, overview. “Solveiga” left Båtsfjord port on June 4<sup>th</sup> 2016 and arrived Båtsfjord port June 20<sup>th</sup> 2016. On arrival, “Solveiga” landed 45 728 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 86 “Solveiga” voyage 25, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from June 5<sup>th</sup> 2016 time 11:57 until June 19<sup>th</sup> 2016 time 00:10.

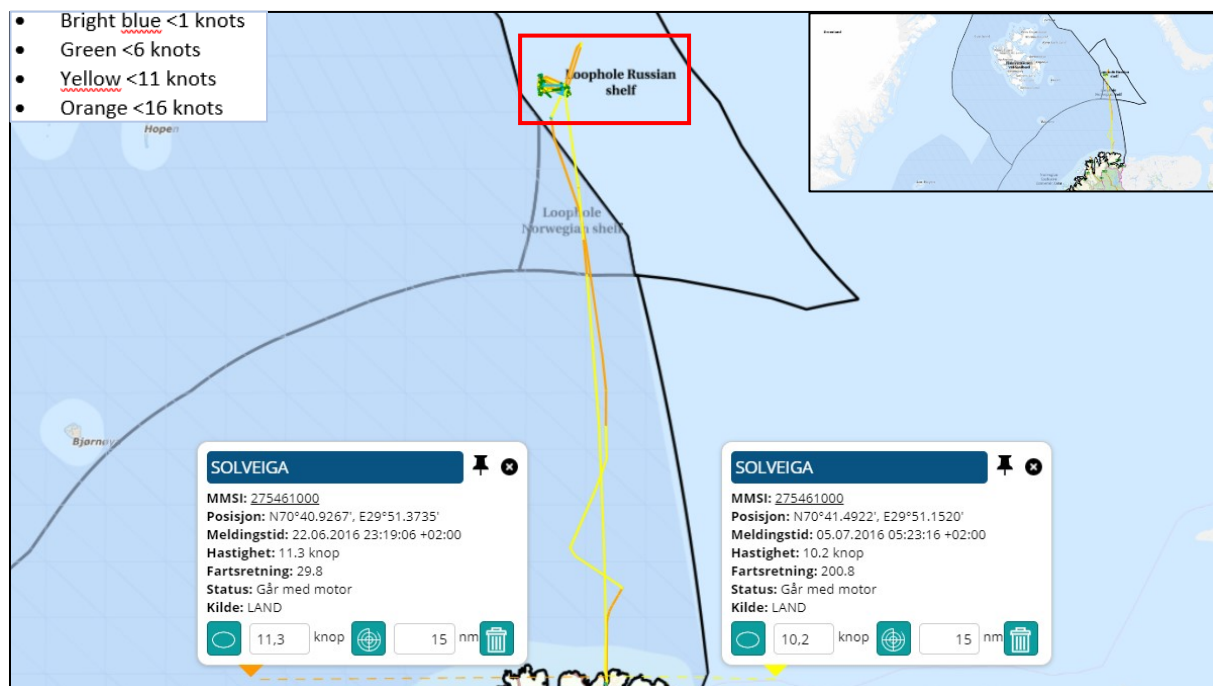
## 2.25.1 "Solveiga" summary voyage 25

Figure 87 "Solveiga" summary voyage 25

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
04.06.2016	20.06.2016	
Entered Loophole Norwegian Shelf	05.06.2016 01:30	
Left Loophole Norwegian Shelf	05.06.2016 07:06	
Time on Norwegian Shelf (days:hours:minutes)		00:05:36
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	05.06.2016 07:06	
Left Loophole Russian Shelf	19.06.2016 06:35	
Time on Russian Shelf (days:hours:minutes)		13:23:29
Period with speed < 6 knots from	05.06.2016 11:57	
Period with speed < 6 knots to	19.06.2016 00:10	
Time with speed < 6 knots (days:hours:minutes)		13:12:12
Entered Loophole Norwegian Shelf	19.06.2016 06:35	
Left Loophole Norwegian Shelf	19.06.2016 11:27	
Time on Norwegian Shelf (days:hours:minutes)		00:04:51
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	324,12	
Total hours < 6 knots	324,12	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	45 728	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10580626	22.06.2016

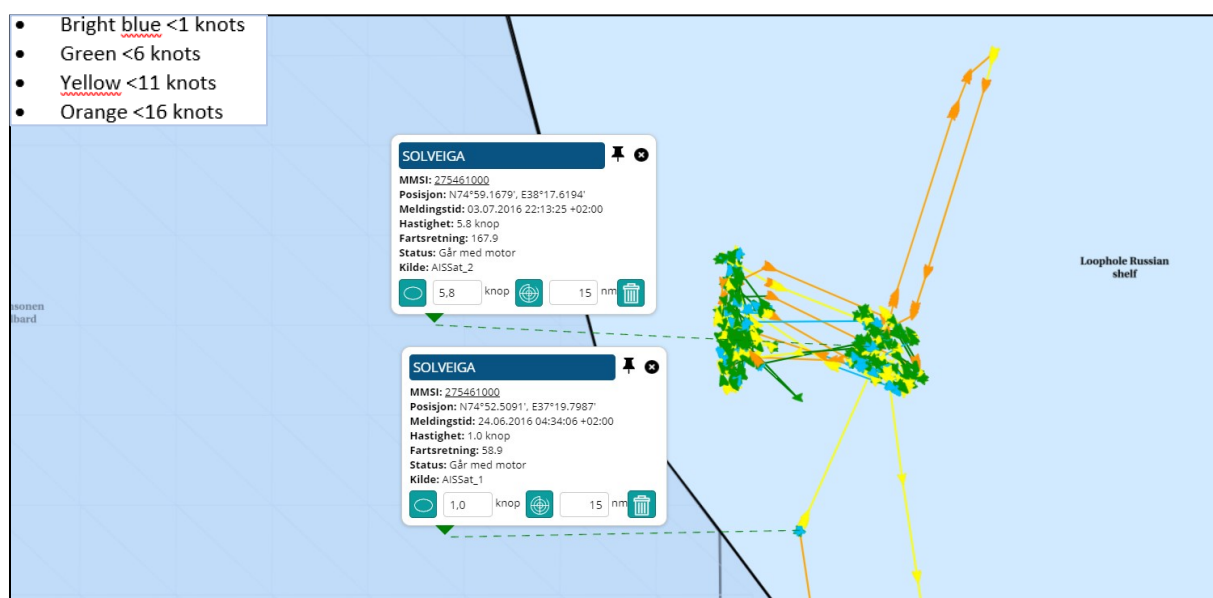
## 2.26 “Solveiga” voyage 26 from June 22<sup>nd</sup> to July 5<sup>th</sup> 2016

Figure 88 “Solveiga” voyage 26, overview



Voyage 26, overview. “Solveiga” left Båtsfjord port on June 22<sup>nd</sup> 2016 and arrived Båtsfjord port July 5<sup>th</sup> 2016. On arrival, “Solveiga” landed 44 259 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 89 “Solveiga” voyage 26, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from June 24<sup>th</sup> 2016 time 04:34 until July 3<sup>rd</sup> 2016 time 22:13.

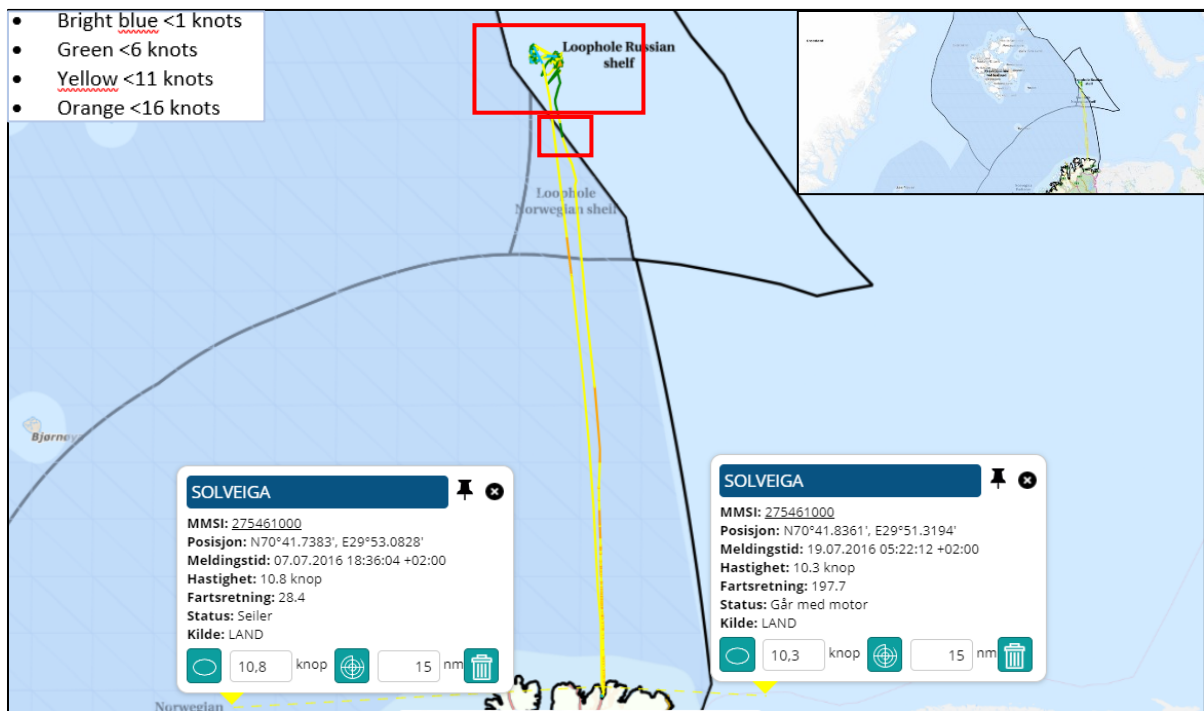
## 2.26.1 "Solveiga" summary voyage 26

Figure 90 "Solveiga" summary voyage 26

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
22.06.2016	05.07.2016	
Entered Loophole Norwegian Shelf	23.06.2016 22:11	
Left Loophole Norwegian Shelf	24.06.2016 03:12	
Time on Norwegian Shelf (days:hours:minutes)		00:05:01
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	24.06.2016 03:12	
Left Loophole Russian Shelf	04.07.2016 03:03	
Time on Russian Shelf (days:hours:minutes)		09:23:50
Period with speed < 6 knots from	24.06.2016 04:34	
Period with speed < 6 knots to	03.07.2016 22:13	
Time with speed < 6 knots (days:hours:minutes)		09:17:39
Entered Loophole Norwegian Shelf	04.07.2016 03:03	
Left Loophole Norwegian Shelf	04.07.2016 07:57	
Time on Norwegian Shelf (days:hours:minutes)		00:04:53
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	233,39	
Total hours < 6 knots	233,39	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	44 259	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10583738	07.07.2016

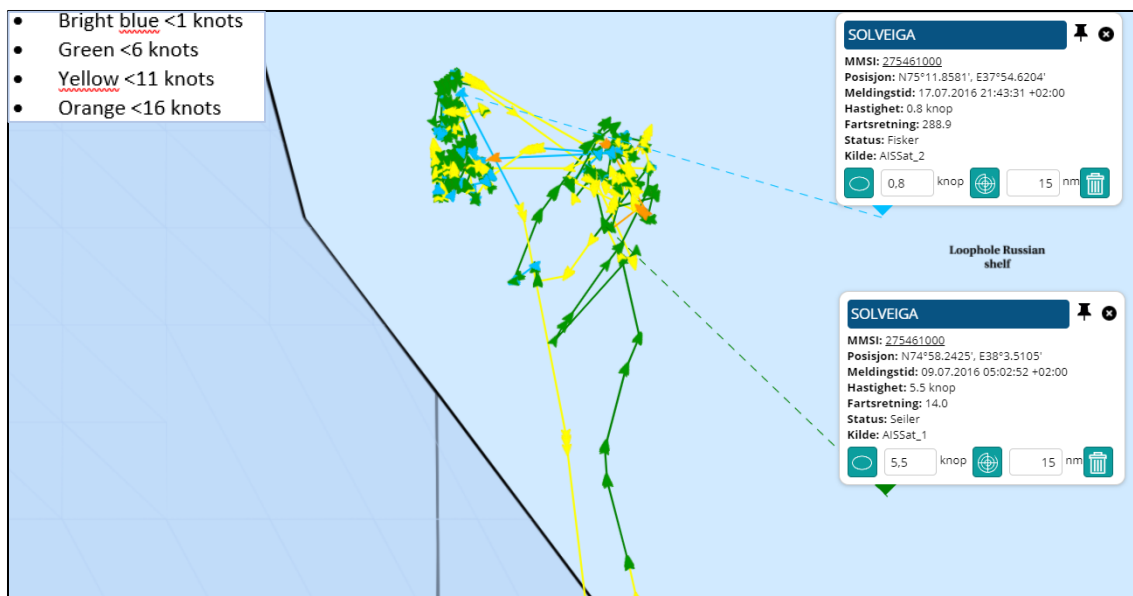
## 2.27 “Solveiga” voyage 27 from July 7<sup>th</sup> to July 19<sup>th</sup> 2016

Figure 91 “Solveiga” voyage 27, overview



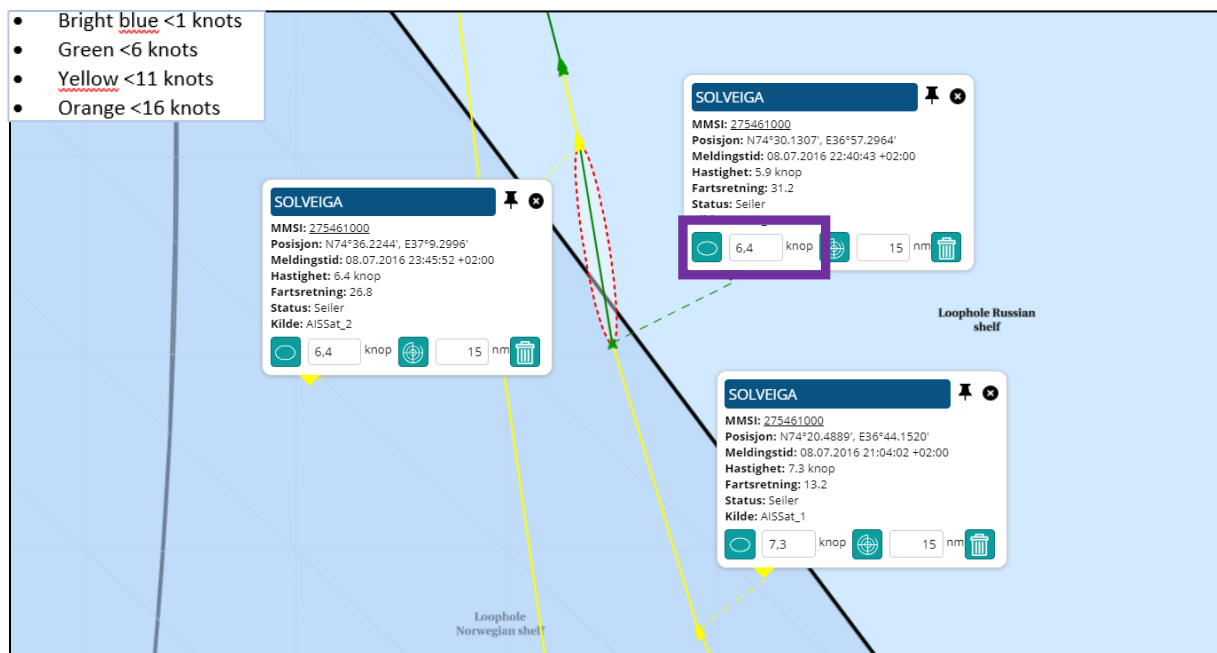
Voyage 27, overview. “Solveiga” left Båtsfjord port on July 7<sup>th</sup> 2016 and arrived Båtsfjord port July 19<sup>th</sup> 2016. On arrival, “Solveiga” landed 35 889kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound. The green color of the track indicates that “Solveiga” was sailing with speed <6 knots in given periods on the Norwegian continental shelf.

Figure 92 “Solveiga” voyage 27, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from July 9<sup>th</sup> 2016 time 05:02 until July 17<sup>th</sup> 2016 time 21:43.

Figure 93 Solveiga" voyage 27, &lt; 6 knots on the Norwegian continental shelf



Norwegian continental shelf in the Loop Hole, northbound. "Solveiga" had one AIS-position with speed of < 6 knots on the Norwegian continental shelf in the Loop Hole. This AIS-position was registered inside of the Norwegian continental shelf in the Loop Hole on July 8<sup>th</sup> at time 22:40. The AIS-position shows speed of 5,9 knots.

The next AIS-position was registered July 8<sup>th</sup> at time 23:45 on the Russian continental shelf in the Loop Hole.

The distance between the AIS-positions shows that "Solveiga" must have had an average speed of 6,4 knots between these two positions. The red dotted ellipse shows the theoretical area where "Solveiga" may have moved in between time 22:40 and time 23:45 on July 8<sup>th</sup>. The purple rectangular box in the pop up above shows the average speed.

The distance and time between the AIS-positions shows that "Solveiga" was unlikely to have been involved in harvesting activity during this period.

Figure 94 Solveiga" voyage 27 &lt; 6 knots AIS-positions on the Norwegian continental shelf

Ship	MMSI	IMO	Callsign	Message time	Lon	Lat	Speed	Heading	Source
SOLVEIGA	275461000	8520173	YL2892	08.07.2016 21:04	36,735867	74,341482	7,30	13,1	AISat_1
SOLVEIGA	275461000	8520173	YL2892	08.07.2016 22:40	36,95494	74,502178	5,90	31,2	AISat_1
SOLVEIGA	275461000	8520173	YL2892	08.07.2016 23:45	37,154993	74,60374	6,40	26,7	AISat_2

The table above shows time, position, and speed for the AIS-positions before and after the reduction in speed.



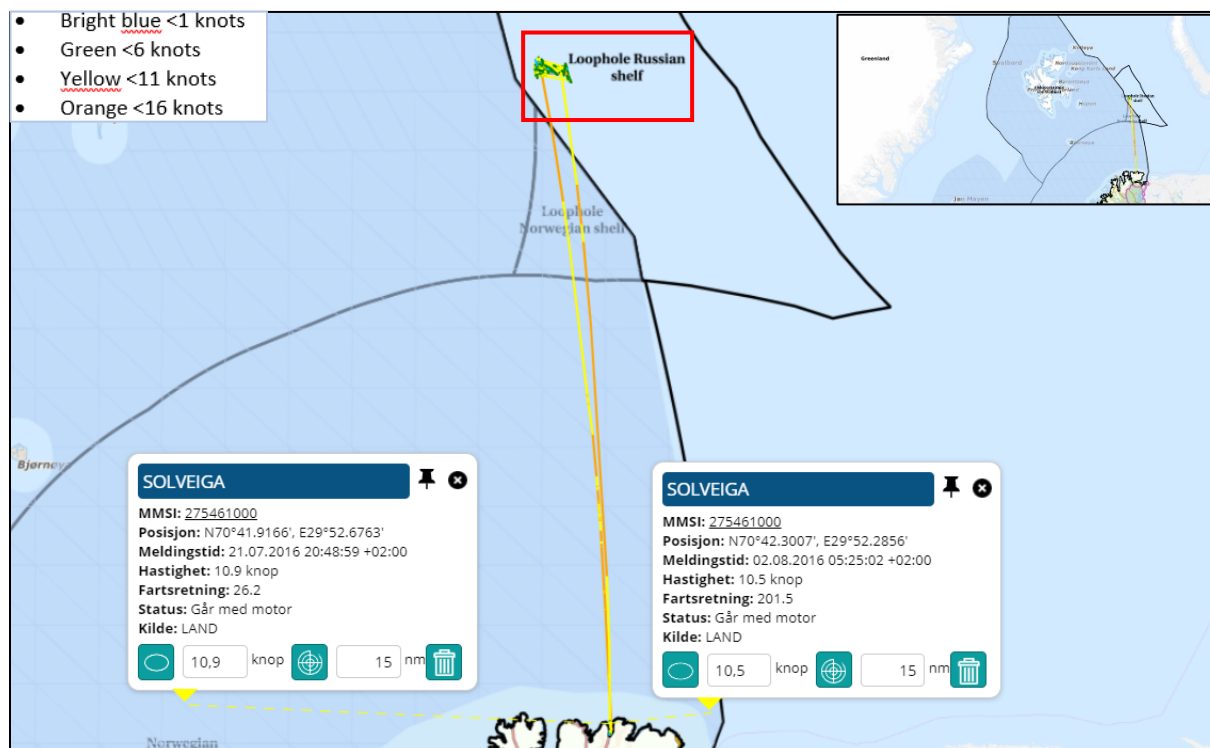
## 2.27.1 "Solveiga" summary voyage 27

Figure 95 "Solveiga" summary voyage 27

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
07.07.2016	19.07.2016	
Entered Loophole Norwegian Shelf	08.07.2016 18:58	
Left Loophole Norwegian Shelf	08.07.2016 23:45	
Time on Norwegian Shelf (days:hours:minutes)		00:04:47
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	08.07.2016 23:45	
Left Loophole Russian Shelf	18.07.2016 02:29	
Time on Russian Shelf (days:hours:minutes)		09:02:43
Period with speed < 6 knots from	09.07.2016 05:02	
Period with speed < 6 knots to	17.07.2016 21:43	
Time with speed < 6.knots (days:hours:minutes)		08:16:40
Entered Loophole Norwegian Shelf	18.07.2016 02:29	
Left Loophole Norwegian Shelf	18.07.2016 08:56	
Time on Norwegian Shelf (days:hours:minutes)		00:06:27
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	208,4	
Total hours < 6 knots	208,4	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	35 889	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10586320	21.07.2016

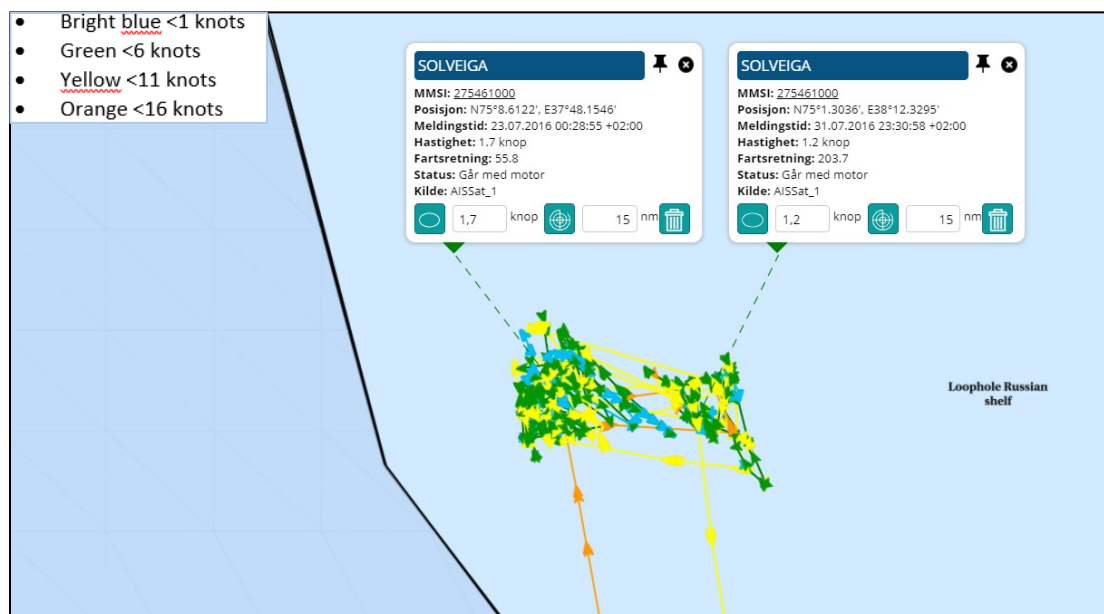
## 2.28 “Solveiga” voyage 28 from July 27<sup>th</sup> to August 2<sup>nd</sup> 2016

Figure 96 “Solveiga” voyage 28, overview



Voyage 28, overview. “Solveiga” left Båtsfjord port on July 21<sup>st</sup> 2016 and arrived Båtsfjord port August 2<sup>nd</sup> 2016. On arrival, “Solveiga” landed 33 547 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 97 “Solveiga” voyage 28, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from July 23<sup>rd</sup> 2016 time 00:28 until July 31<sup>st</sup> 2016 time 23:30.

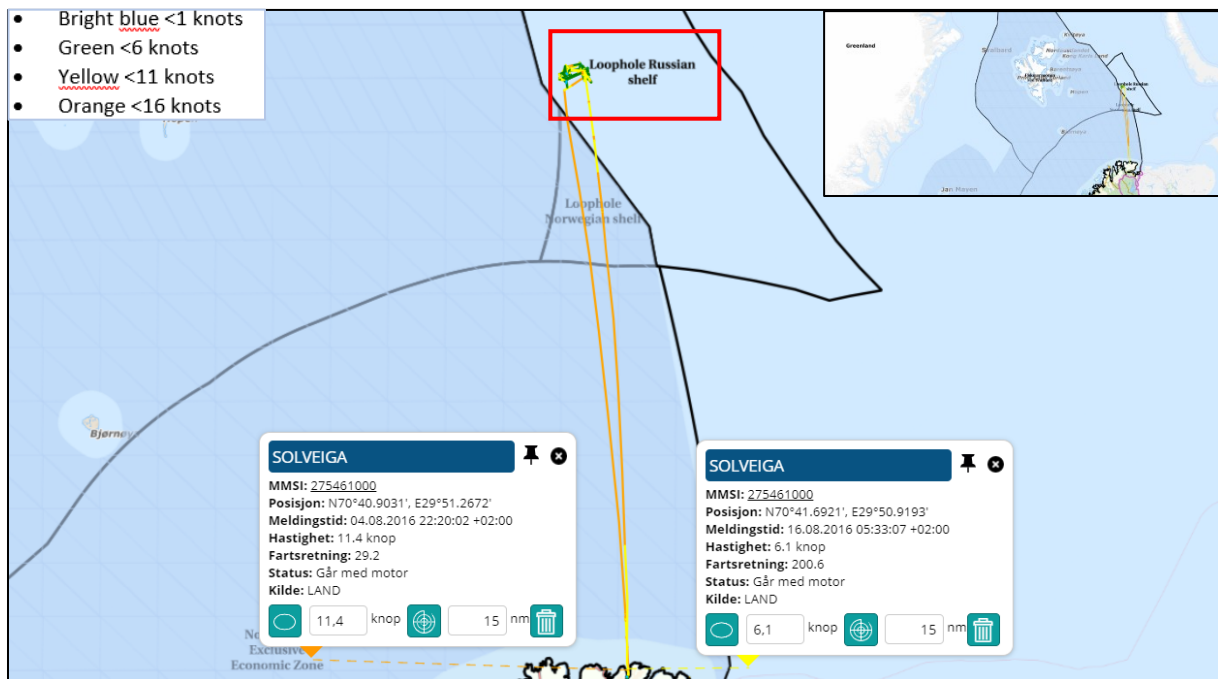
## 2.28.1 "Solveiga" summary voyage 28

Figure 98 "Solveiga" summary voyage 28

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
21.07.2016	02.08.2016	
Entered Loophole Norwegian Shelf	22.07.2016 16:22	
Left Loophole Norwegian Shelf	22.07.2016 21:37	
Time on Norwegian Shelf (days:hours:minutes)		00:05:14
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	22.07.2016 21:37	
Left Loophole Russian Shelf	01.08.2016 04:17	
Time on Russian Shelf (days:hours:minutes)		09:06:40
Period with speed < 6 knots from	23.07.2016 00:28	
Period with speed < 6 knots to	31.07.2016 23:30	
Time with speed < 6 knots (days:hours:minutes)		08:23:02
Entered Loophole Norwegian Shelf	01.08.2016 04:17	
Left Loophole Norwegian Shelf	01.08.2016 09:10	
Time on Norwegian Shelf (days:hours:minutes)		00:04:53
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	215,02	
Total hours < 6 knots	215,02	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	10 589 433	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	33547	03.08.2016

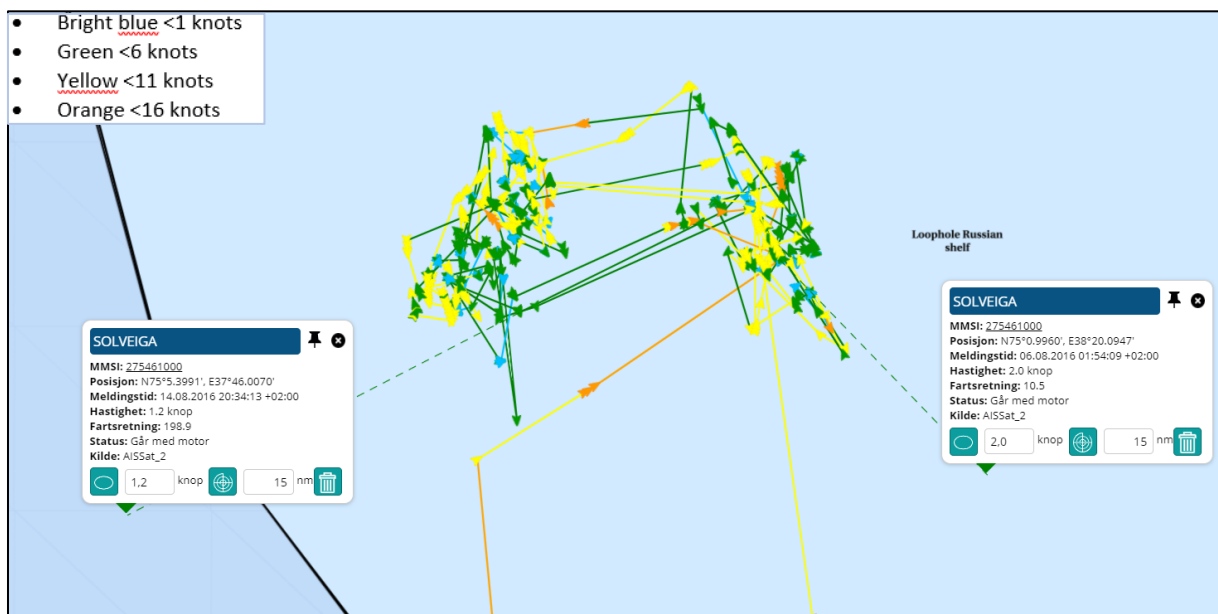
## 2.29 “Solveiga” voyage 29 from August 4<sup>th</sup> to August 16<sup>th</sup> 2016

Figure 99 “Solveiga” voyage 29, overview



Voyage 29, overview. “Solveiga” left Båtsfjord port on August 4<sup>th</sup> 2016 and arrived Båtsfjord port August 16<sup>th</sup> 2016. On arrival, “Solveiga” landed 43 263 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 100 “Solveiga” voyage 29, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from August 6<sup>th</sup> 2016 time 01:54 until August 14<sup>th</sup> 2016 time 20:34.

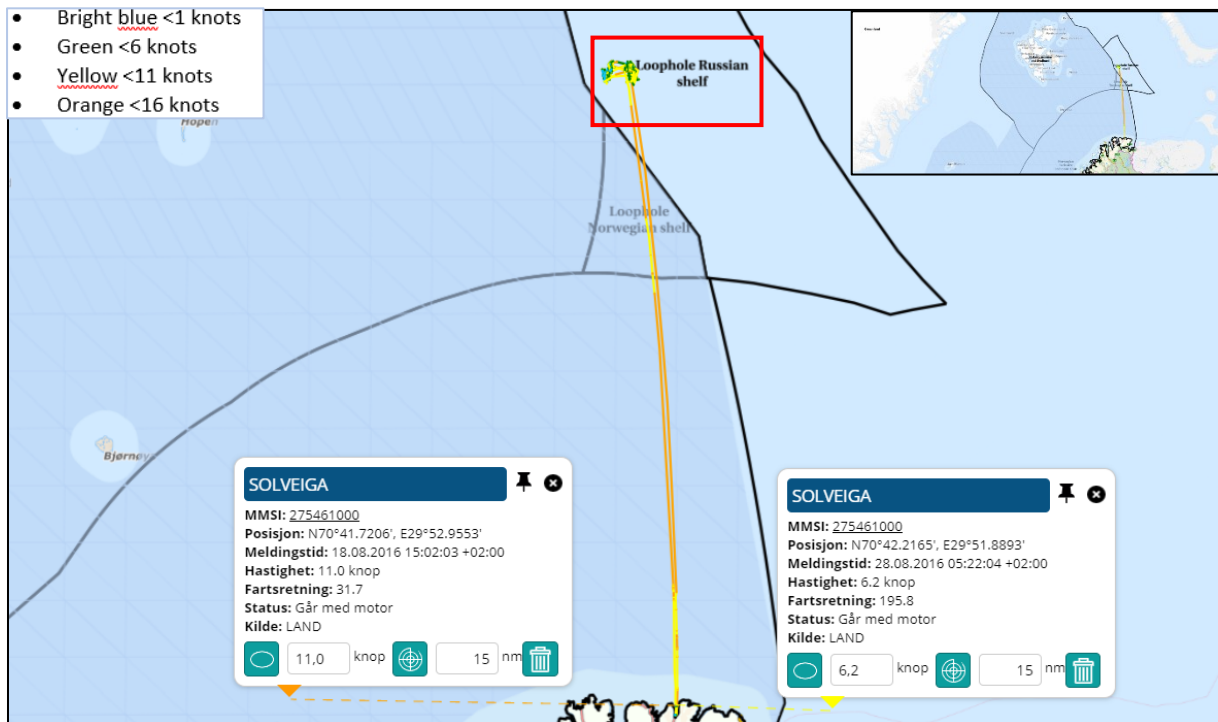
## 2.29.1 "Solveiga" summary voyage 29

Figure 101 "Solveiga" summary voyage 29

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
04.08.2016	16.08.2016	
Entered Loophole Norwegian Shelf	05.08.2016 16:35	
Left Loophole Norwegian Shelf	05.08.2016 23:06	
Time on Norwegian Shelf (days:hours:minutes)		00:06:31
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	05.08.2016 23:06	
Left Loophole Russian Shelf	15.08.2016 06:09	
Time on Russian Shelf (days:hours:minutes)		09:07:02
Period with speed < 6 knots from	06.08.2016 01:54	
Period with speed < 6 knots to	14.08.2016 20:34	
Time with speed < 6 knots (days:hours:minutes)		08:18:40
Entered Loophole Norwegian Shelf	15.08.2016 06:09	
Left Loophole Norwegian Shelf	15.08.2016 11:00	
Time on Norwegian Shelf (days:hours:minutes)		00:04:51
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	210,4	
Total hours < 6 knots	210,4	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	43 263	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10594219	17.08.2016

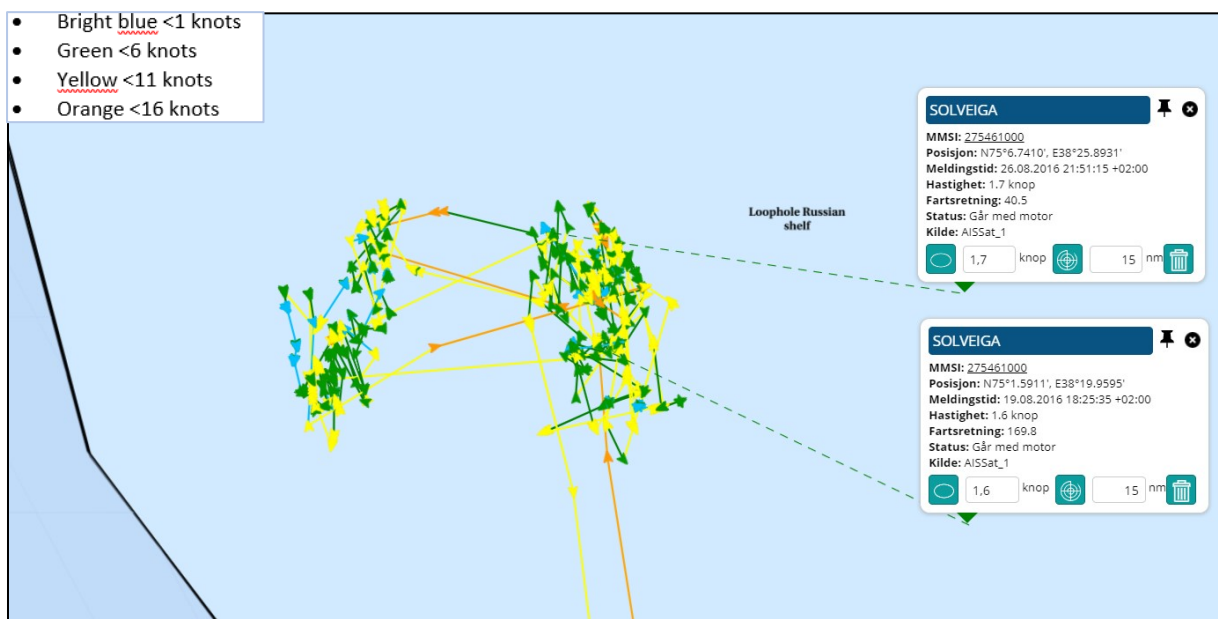
## 2.30 “Solveiga” voyage 30 from August 18<sup>th</sup> to August 28<sup>th</sup> 2016

Figure 102 “Solveiga” voyage 30, overview



Voyage 30, overview. “Solveiga” left Båtsfjord port on August 18<sup>th</sup> 2016 and arrived Båtsfjord port August 28<sup>th</sup> 2016. On arrival, “Solveiga” landed 30 210 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 103 “Solveiga” voyage 30, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from August 19<sup>th</sup> 2016 time 18:25 until August 26<sup>th</sup> 2016 time 21:51.



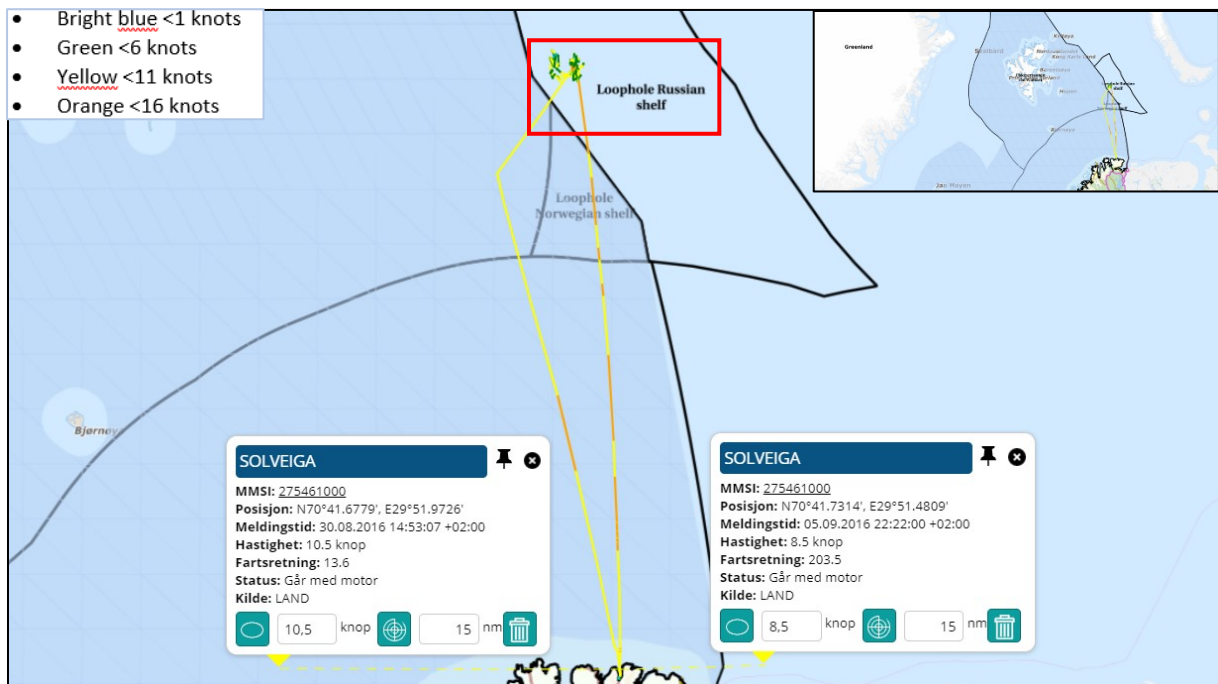
## 2.30.1 "Solveiga" summary voyage 30

Figure 104 "Solveiga" summary voyage 30

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
18.08.2016	28.08.2018	
Entered Loophole Norwegian Shelf	19.08.2016 09:09	
Left Loophole Norwegian Shelf	19.08.2016 13:57	
Time on Norwegian Shelf (days:hours:minutes)		00:04:48
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	19.08.2016 13:57	
Left Loophole Russian Shelf	27.08.2016 04:17	
Time on Russian Shelf (days:hours:minutes)		07:14:20
Period with speed < 6 knots from	19.08.2016 18:25	
Period with speed < 6 knots to	26.08.2016 21:51	
Time with speed < 6.knots (days:hours:minutes)		07:03:25
Entered Loophole Norwegian Shelf	27.08.2016 04:17	
Left Loophole Norwegian Shelf	27.08.2016 09:59	
Time on Norwegian Shelf (days:hours:minutes)		00:05:41
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	171,25	
Total hours < 6 knots	171,25	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	30 210	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10597691	29.08.2016

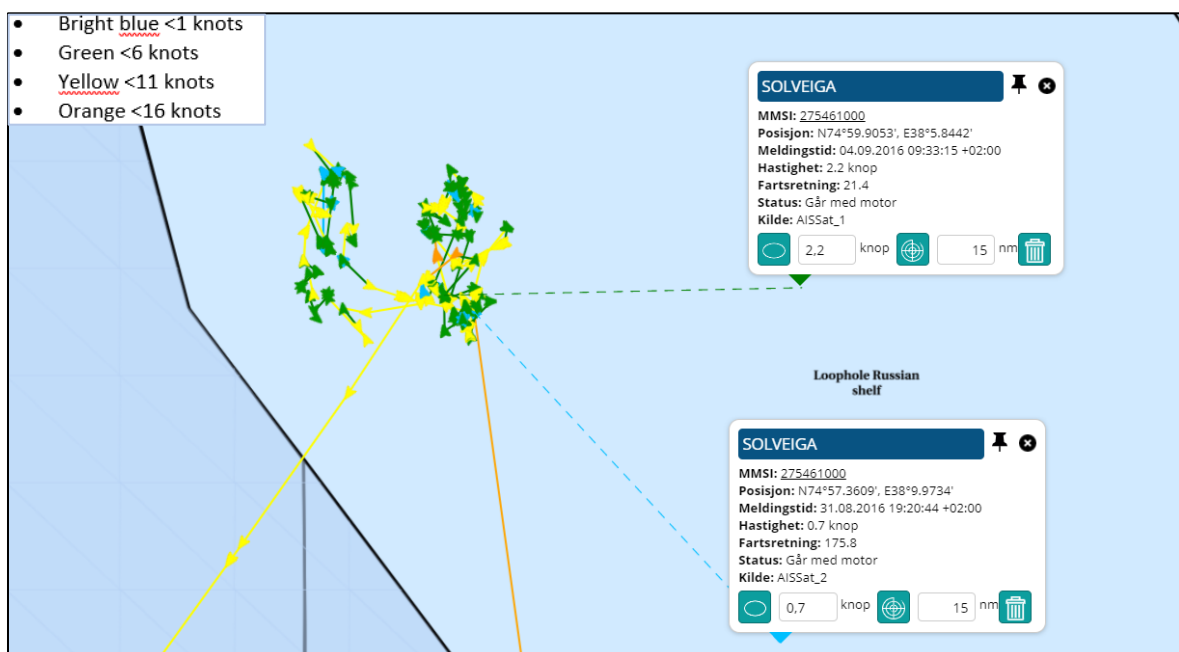
## 2.31 “Solveiga” voyage 31 from August 30<sup>th</sup> to September 5<sup>th</sup> 2016

Figure 105 “Solveiga” voyage 31, overview



Voyage 31, overview. “Solveiga” left Båtsfjord port on August 30<sup>th</sup> 2016 and arrived Båtsfjord port September 5<sup>th</sup> 2016. On arrival, “Solveiga” landed 11 862 kilos live snow crab. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound, and did not engage in any snow crab harvesting there.

Figure 106 “Solveiga” voyage 31, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from August 31<sup>st</sup> 2016 time 19:20 until September 4<sup>th</sup> 2016 time 09:33.

## 2.31.1 "Solveiga" summary voyage 31

Figure 107 "Solveiga" summary voyage 31

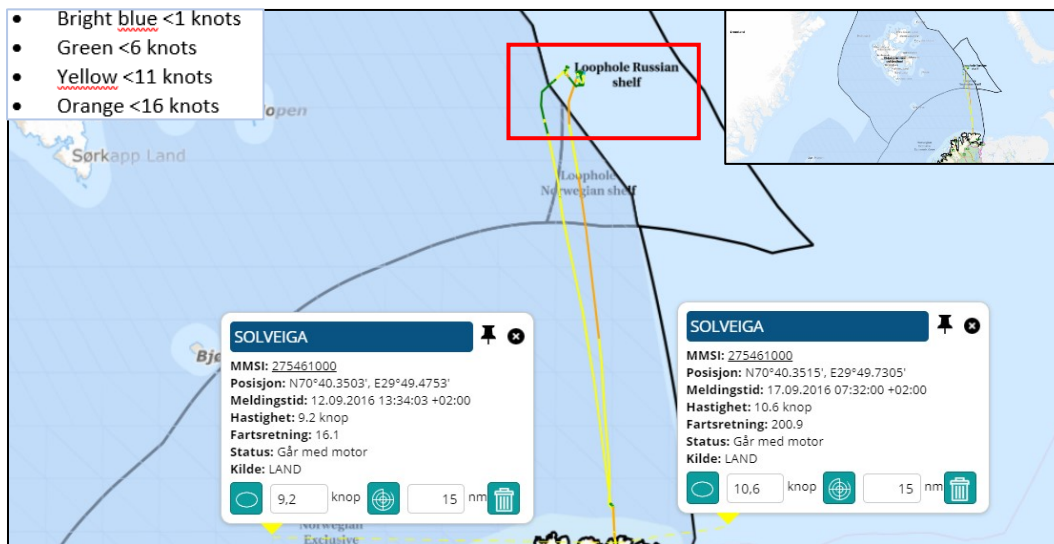
Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
30.08.2016	05.09.2016	
Entered Loophole Norwegian Shelf	31.08.2016 09:36	
Left Loophole Norwegian Shelf	31.08.2016 14:55	
Time on Norwegian Shelf (days:hours:minutes)		00:05:19
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	31.08.2016 14:55	
Left Loophole Russian Shelf	04.09.2016 17:22	
Time on Russian Shelf (days:hours:minutes)		04:02:27
Period with speed < 6 knots from	31.08.2016 19:20	
Period with speed < 6 knots to	04.09.2016 09:33	
Time with speed < 6 knots (days:hours:minutes)		03:14:12
Entered Loophole Norwegian Shelf		
Left Loophole Norwegian Shelf		
Time on Norwegian Shelf (days:hours:minutes)	NO TRACKS IN ZONE	00:00:00
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	86,12	
Total hours < 6 knots	86,12	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	11 862	
Factory (crab receiver)	Seagourmet Norway AS, Båtsfjord	
Landingnote number and date	10600092	06.09.2016

### 3. “Solveiga” after ending snow crab harvesting in the Loop Hole

The last delivery of snow crab from “Solveiga” was on September 6<sup>th</sup> 2016 in Båtsfjord port. After the last delivery of snow crab “Solveiga” had two more voyages to the Loop Hole.

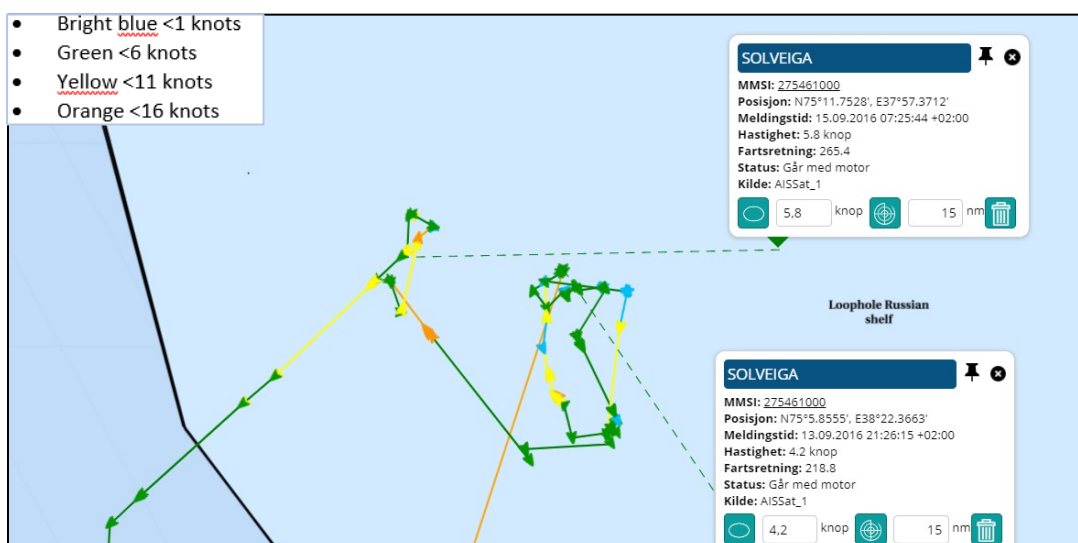
#### 3.1 “Solveiga” voyage 32 from September 12<sup>th</sup> to September 17<sup>th</sup> 2016

Figure 108 “Solveiga” voyage 32, overview



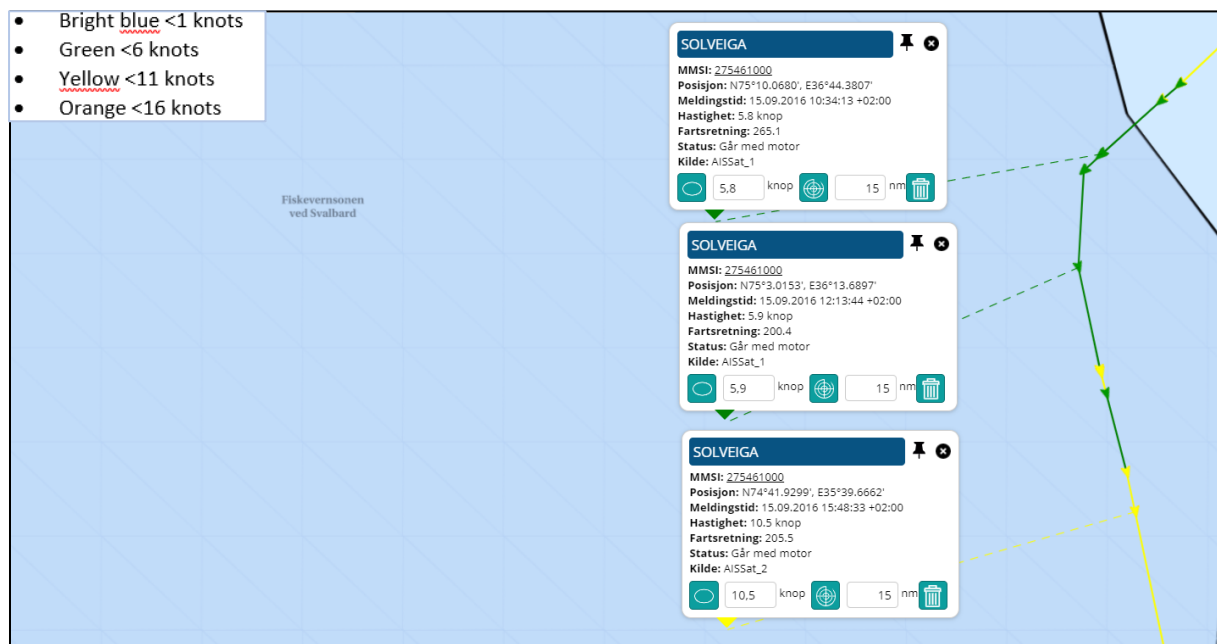
Voyage 32, overview. “Solveiga” left Båtsfjord port on September 12<sup>th</sup> 2016 and arrived Båtsfjord port September 17<sup>th</sup> 2016. On arrival, “Solveiga” did not deliver any catch. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound. On southbound “Solveiga” sailed through the Fisheries Protection Zone around Svalbard. “Solveiga” had periods with speed < 6 knots in the Fisheries Protection Zone around Svalbard.

Figure 109 “Solveiga” voyage 32, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from September 13<sup>th</sup> 2016 time 21:26 until September 15<sup>th</sup> 2016 time 07:25.

Figure 110 "Solveiga" voyage 32, &lt; 6 knots on the Fisheries Protection Zone around Svalbard



Fisheries Protection Zone around Svalbard. "Solveiga" was sailing southbound with speed between 5,5 and 5,9 knots. The distance and time between the AIS-positions shows that "Solveiga" was unlikely to have been involved in harvesting activity during this period.

Figure 111 "Solveiga" AIS-positions &lt; 6 knots on the Fisheries Protection Zone around Svalbard

Ship	MMSI	IMO	Callsign	Message time	Lon	Lat	Speed	Heading	Source
SOLVEIGA	275461000	8520173	YL2892	15.09.2016 10:34	36,739678	75,1678	5,80	265,1	AISSat_1
SOLVEIGA	275461000	8520173	YL2892	15.09.2016 10:35	36,733283	75,167618	5,90	264,1	AISSat_1
SOLVEIGA	275461000	8520173	YL2892	15.09.2016 10:36	36,724977	75,167443	5,90	265,7	AISSat_1
SOLVEIGA	275461000	8520173	YL2892	15.09.2016 10:56	36,597408	75,163583	5,90	265,7	AISSat_2
SOLVEIGA	275461000	8520173	YL2892	15.09.2016 10:57	36,592287	75,163442	5,50	261,3	AISSat_2
SOLVEIGA	275461000	8520173	YL2892	15.09.2016 12:13	36,228162	75,050255	5,90	200,3	AISSat_1
SOLVEIGA	275461000	8520173	YL2892	15.09.2016 13:47	35,977283	74,905182	6,30	206,6	AISSat_1
SOLVEIGA	275461000	8520173	YL2892	15.09.2016 13:50	35,971137	74,901578	6,20	201,6	AISSat_1
SOLVEIGA	275461000	8520173	YL2892	15.09.2016 14:10	35,924515	74,86996	5,90	197,3	AISSat_2
SOLVEIGA	275461000	8520173	YL2892	15.09.2016 15:22	35,753027	74,754725	6,10	198,8	AISSat_1
SOLVEIGA	275461000	8520173	YL2892	15.09.2016 15:48	35,661103	74,698832	10,50	205,5	AISSat_2

The table above shows time, position, and speed for all the AIS-positions in the Fisheries Protection Zone around Svalbard. The green columns are also shown in pop up's above.

## 3.1.1 "Solveiga" summary voyage 32

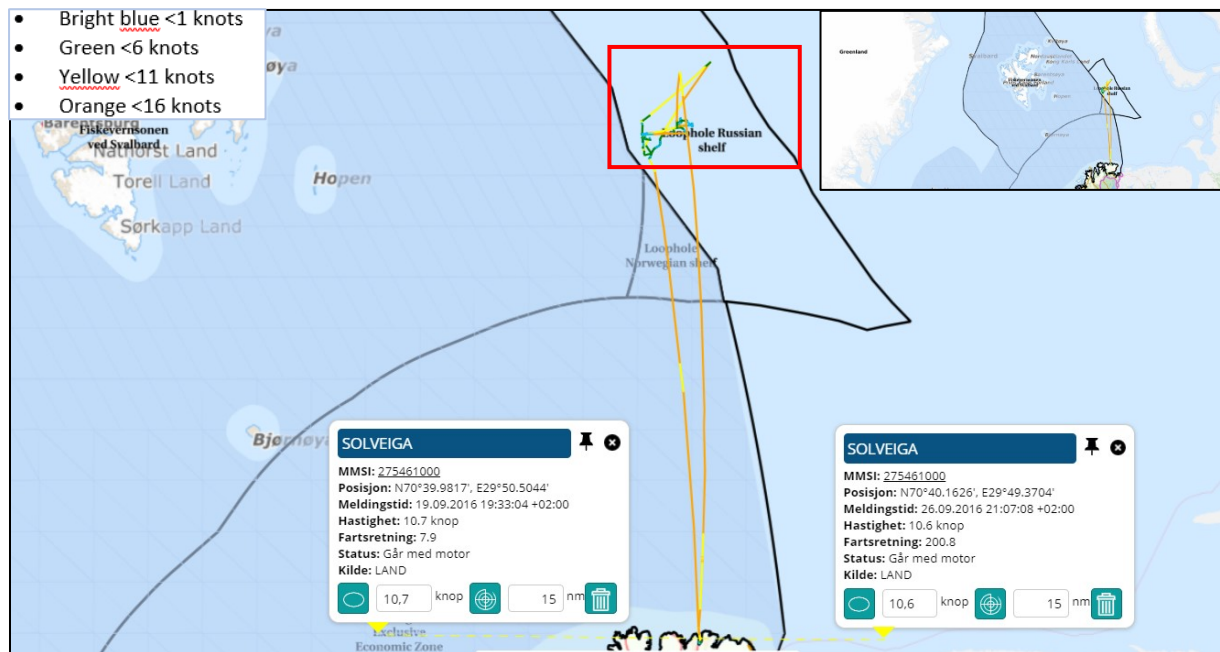
Figure 112 "Solveiga" summary voyage 32

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
12.09.2016	17.09.2016	
Entered Loophole Norwegian Shelf	13.09.2016 11:41	
Left Loophole Norwegian Shelf	13.09.2016 18:05	
Time on Norwegian Shelf (days:hours:minutes)		00:06:23
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	13.09.2016 18:05	
Left Loophole Russian Shelf	15.09.2016 10:34	
Time on Russian Shelf (days:hours:minutes)		01:16:29
Period with speed < 6 knots from	13.09.2016 21:26	
Period with speed < 6 knots to	15.09.2016 07:25	
Time with speed < 6 knots (days:hours:minutes)		01:09:59
Entered Loophole Norwegian Shelf	15.09.2016 20:18	
Left Loophole Norwegian Shelf	16.09.2016 01:32	
Time on Norwegian Shelf (days:hours:minutes)		00:05:13
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	33,59	
Total hours < 6 knots	33,59	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	NO CATCH	
Factory (crab receiver)		
Landingnote number and date	0	



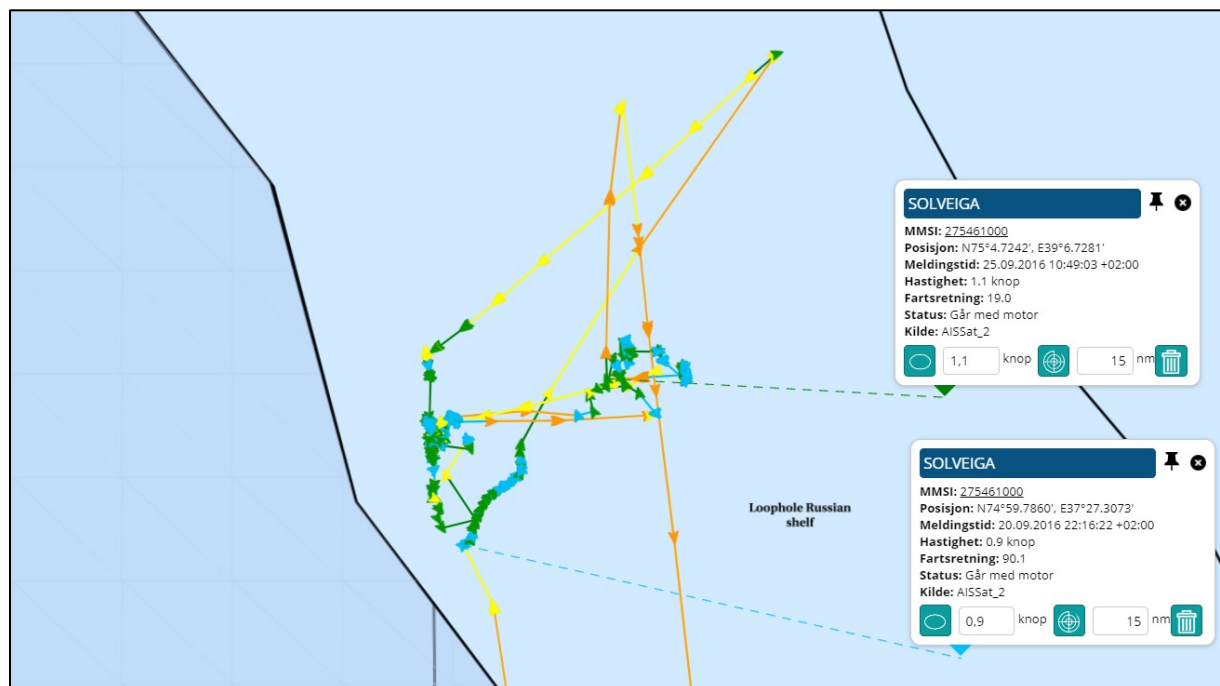
### 3.2 “Solveiga” voyage 33 from September 19<sup>th</sup> to September 26<sup>th</sup> 2016

Figure 113 “Solveiga” voyage 33, overview



Voyage 33, overview. “Solveiga” left Båtsfjord port on September 19<sup>th</sup> 2016 and arrived Båtsfjord port September 26<sup>th</sup> 2016. On arrival, “Solveiga” did not deliver any catch. “Solveiga” was on this voyage sailing through the Norwegian continental shelf in the Loop Hole, northbound and southbound, and did not engage in any snow crab harvesting there.

Figure 114 “Solveiga” voyage 33, < 6 knots on the Russian continental shelf



Russian continental shelf in the Loop Hole. “Solveiga” was speeding < 6 knots in the period from September 20<sup>th</sup> 2016 time 22:16 until September 25<sup>th</sup> 2016 time 10:49.

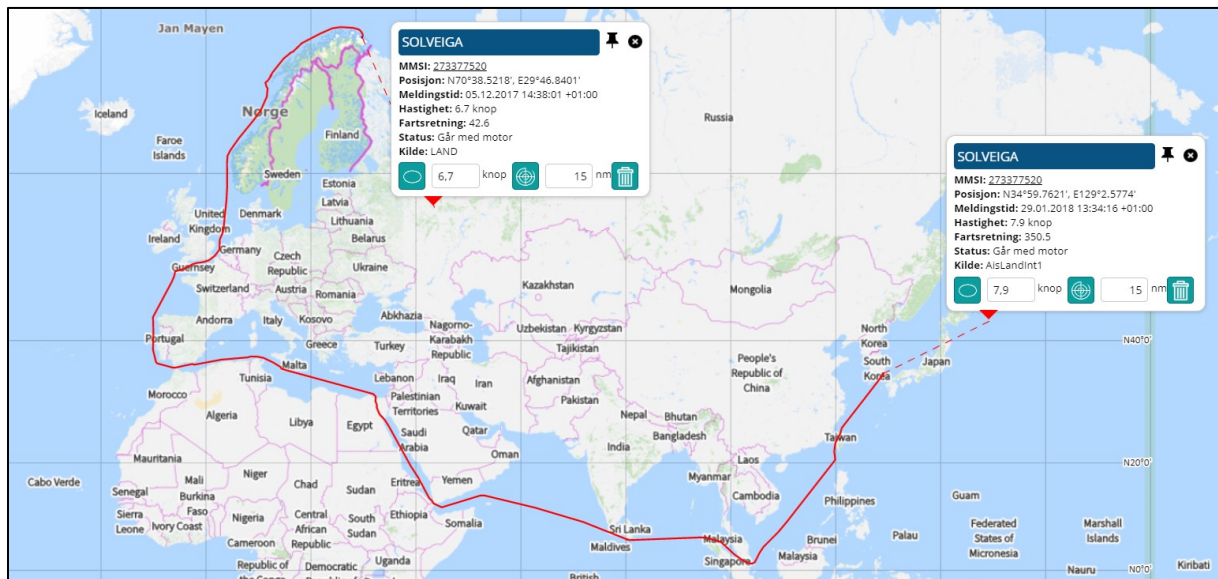
## 3.2.1 "Solveiga" summary voyage 33

Figure 115 "Solveiga" summary voyage 33

Voyage started from Båtsfjord port	Voyage ended in Båtsfjord port	
19.09.2016	26.09.2016	
Entered Loophole Norwegian Shelf	20.09.2016 15:00	
Left Loophole Norwegian Shelf	20.09.2016 20:35	
Time on Norwegian Shelf (days:hours:minutes)		00:05:34
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Entered Loophole Russian Shelf	20.09.2016 20:35	
Left Loophole Russian Shelf	26.09.2016 01:23	
Time on Russian Shelf (days:hours:minutes)		05:04:47
Period with speed < 6 knots from	20.09.2016 22:16	
Period with speed < 6 knots to	25.09.2016 10:49	
Time with speed < 6 knots (days:hours:minutes)		04:12:32
Entered Loophole Norwegian Shelf	26.09.2016 01:23	
Left Loophole Norwegian Shelf	26.09.2016 03:35	
Time on Norwegian Shelf (days:hours:minutes)		00:02:11
Period with speed < 6 knots from		
Period with speed < 6 knots to		
Time with speed < 6 knots (days:hours:minutes)		00:00:00
Hours on Norwegian Shelf < 6 knots	0	
Hours on Russian Shelf < 6 knots	108,32	
Total hours < 6 knots	108,32	
Percent time on Russian Shelf < 6 knots	100,00 %	
Percent time on Norwegian Shelf < 6 knots	0,00 %	
Snow crab landed live in kg	NO CATCH	
Factory (crab receiver)		
Landingnote number and date	0	

### 3.3 “Solveiga” to South Korea

Figure 116 “Solveiga” to South Korea



In the period from September 26<sup>th</sup> 2016 until December 5<sup>th</sup> 2017 “Solveiga” was laid up in Båtsfjord port. In October 2017 “Solveiga” changed flag to Russia with new call sign and MMSI. “Solveiga” left Båtsfjord port on December 5<sup>th</sup> and sailed to South Korea, with arrival January 29<sup>th</sup> 2018.

In the period after February 2018 and until now “Solveiga” has been sailing in the Bering’s Sea and the Okhotsk Sea.

## 4 Inspections by Norwegian Authorities

“Solveiga” has not been inspected by Norwegian Authorities.

## Attachments

Attachment with method, sources, terms, and abbreviations.