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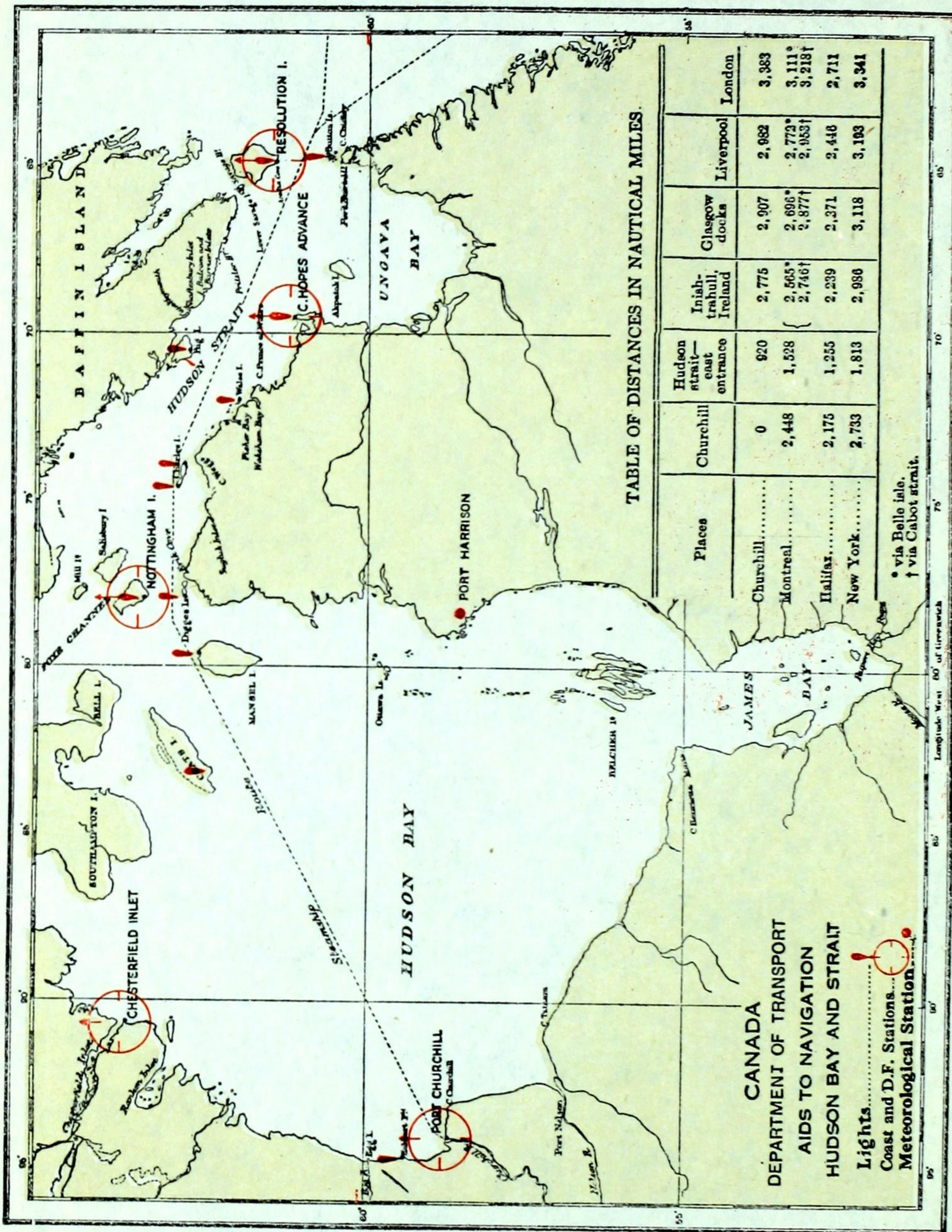
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CANADA DEPARTMENT OF TRANSPORT  
NSPORT

ANNUAL REPORT

REPORT









CANADA

THIRTEENTH ANNUAL REPORT

Navigation Conditions on the Hudson Bay  
Route from the Atlantic Seaboard  
to the Port of Churchill

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SEASON OF NAVIGATION

1941

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DEPARTMENT OF TRANSPORT

HON. C. D. HOWE, Minister

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OTTAWA  
EDMOND CLOUTIER  
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY  
1942



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C P. EDWARDS, Esq.,  
 Deputy Minister,  
 Department of Transport,  
 Ottawa, Ontario.

SIR—I have the honour to submit the Thirteenth Annual Report on Navigation Conditions on the Hudson Bay Route from the Atlantic Seaboard to the Port of Churchill. This report covers the season of navigation, 1941.

The report is compiled from information received from the Hudson's Bay Company Vessel R.M.S. *Nascopie*, the National Harbours Board, and the Meteorological and Radio Services of the Department of Transport.

Yours respectfully,

WALTER A. RUSH,  
 Controller of Radio.

DEPARTMENT OF TRANSPORT,  
 OTTAWA, February 28, 1942.

ILLUSTRATIONS

Chart of Hudson Bay and Strait.....

Churchill R.S. Barge anchored with stern moored to better mooring buoy.....

Churchill: Elevator, wharf and slipway.....



## THIRTEENTH ANNUAL REPORT

### Navigation Conditions on the Hudson Bay Route from the Atlantic Seaboard to the Port of Churchill Season of Navigation, 1941

#### Synopsis of Report

#### OPENING OF NAVIGATION

The change from winter conditions extended, as usual, over a period of several weeks and during that time the quantity and state of drifting ice varied from day to day according to the influence of winds and currents.

The dates of the final disappearance of ice from the vicinity of the reporting stations were as follows:—

*Hudson Strait, East End*

Resolution Island.....July 30

*Hudson Strait, Central*

Cape Hopes Advance. Station closed throughout season.

*Hudson Strait, West End*

Nottingham Island.....August 9

*Hudson Strait, General*—The R.M.S. *Nascopie*, working in the Straits from July 22 to August 5, reported the ice was open on the northern side of the Strait, but that heavy pack ice extended some 50 miles offshore along south side, at points from Hebron to Cape Smith. On August 26, eastward bound, reported heavy field ice in vicinity of Wolstenholme, but none elsewhere. The ice this year was exceptionally heavy.

*Hudson Bay*

Churchill.....July 1

Chesterfield Inlet.....July 12

Port Harrison.....July 21

#### CLOSE OF NAVIGATION

*Hudson Bay*

Chesterfield Inlet—Moderate amount of slob ice reported between October 25 and November 13. From November 14 to November 30, sea frozen to Shukpik and Fairway Islands.

Churchill—Ice first reported in Bay on October 28. Close packed ice to horizon reported throughout month of November except on November 13 and 23, when the entire ice body disappeared out to sea.



*Hudson Strait*

Nottingham Island—Drift ice reported October 31 and from time to time throughout month of November.

Cape Hopes Advance—Station closed throughout season.

Resolution Island—Ice reported in all directions to horizon on November 16, and loose ice on November 19. On November 26, no ice in sight. Bergs and growlers were fairly numerous throughout the season.

Full information regarding ice conditions will be found under Meteorological Reports, pages 12 to 36.

## FOXE CHANNEL ICE

The R.M.S. *Nascopie* reported seeing no ice between Nottingham and Southampton Islands, August 5.

## FOG

The number of days on which fog was reported were as follows:—

Station	July	Aug.	Sept.	Oct.	Nov.
Resolution Island.....	2	13	2	0	1
Nottingham Island.....	12	11	5	0	1
Churchill.....	0	2	4	0	0
Chesterfield Inlet.....	2	0	1	0	0
Port Harrison.....	11	6	0	0	1



## AIDS TO NAVIGATION

*Radio*

There are five radio direction finding stations on the Hudson Bay Route. Four were in operation during the whole year, the exception being Cape Hopes Advance station which remained closed during the season of 1941.

Detailed information regarding Radio Aids to Navigation will be found on page 42.

*Hydrography*

No additional charting or other operations were carried out during the past season. Publications of the Hydrographic Service, Department of Mines and Resources, relating to the Hudson Bay and Strait are listed on page 11.

*Lights*

There were no additions to the lights, the numbers remaining at two watched and ten unwatched, a total of twelve. A list of lights will be found on page 43.

*Fog Signals*

The explosive bomb signal which was installed at Resolution in 1935 is still in operation. It can be heard at a distance of between five and six miles and is fired at intervals of ten minutes on request by ships approaching Acadia Cove.

## SHIPPING

Owing to war-time restrictions the movements of vessels using the Hudson Bay route were not reported.

No incident of note occurred during the season and navigation proceeded normally.

WALTER A. RUSH,

*Controller of Radio.*



R.M.S. *NASCOPIE*, CAPTAIN T. F. SMELLIE, MASTER,  
VOYAGE TO HUDSON STRAIT AND BAY, 1941

Master's Report

GENERAL

Leaving Montreal on July 8, we passed through the Belle Isle Straits on the 12th instant. Numerous icebergs and growlers were in the vicinity while we passed through miles of open field ice. In order to avoid the close packed field ice on the Labrador, a course was set so that we would pass along the Labrador at a distance off of 50 miles. When in the latitude of Hebron, the course was altered for Hebron and we entered the heavy pack ice which took us two days to push through 50 miles.

We arrived in Hebron on the 16th instant and whilst discharging there the ice entered the harbour.

We left Hebron on the 18th and as soon as we were outside the harbour we entered the close heavy pack ice. Steaming eastward to get out of the ice it took us two days to find open water and then to shape our course Northwards. Resolution was reached on July 22, in open field ice. Staying off the Island only a couple of hours until the operators were exchanged by boat, we proceeded towards Lake Harbour. The ice was open on the North side of the Straits and good progress was made. We arrived at Lake Harbour on the 23rd. Leaving Lake Harbour on the 24th we had open water for 70 miles then we ran into the heavy pack ice. There was no passage between Charles Island and the mainland, so it was necessary to go round the North side of Charles Island and then to shape a course for Sugluk. Between the Island and Sugluk the ice was heavy and close packed. We reached Sugluk on the 27th and only left the ice when we entered the Harbour. After discharging was completed we were delayed by fog for 23 hours. The ice was again entered after leaving the harbour and it took us 33 hours to reach Wolstenholme, a distance of 60 miles.

Wolstenholme (Eric Cove) was full of heavy ice and it was necessary to move the ice to drop the anchor. Leaving Wolstenholme we steamed North through 50 miles of heavy ice and reached Cape Dorset on the 1st August. Dorset was free of ice.

Leaving Dorset for Southampton Island the weather was fine and no ice was seen until we rounded Salisbury Island. Here we met heavy open ice, and when approaching Nottingham Island the conditions were the same, so I decided to stop and land the Nottingham Island supplies which was done in two days.

No ice was seen between Nottingham and Southampton Islands, good progress was made and we reached Southampton Island on the 5th. Between Southampton Island and Cape Smith we ran into heavy ice 50 miles west of Cape Smith. Working through the ice we arrived at Cape Smith and anchored amongst the ice floes. After leaving Cape Smith we worked through 30 miles of heavy ice and then into open water. No further ice was sighted from this position to our arrival at Churchill.

The ice this year has been exceptionally heavy, otherwise everything went along satisfactorily.

After leaving Churchill we proceeded to Chesterfield and from there to Nottingham Island, where the gasoline and supplies loaded at Churchill were safely landed.

From Nottingham we proceeded to Wolstenholme, when we ran into very heavy field ice, which caused a little delay, and we arrived after darkness had set in.



From Wolstenholme we proceeded towards Lake Harbour, again passing through field ice before reaching there.

Cape Hopes Advance was our next stop. The depth of water was found to be too great for anchoring purposes, so while the motor boat took the party ashore, we cruised in the vicinity. After completing what was necessary we proceeded towards the mouth of the Koksoak River and anchored in very shoal water, with the beacons at the entrance of the river in sight. Later the post motor boat Koksoak came out, and the Government party went in to Chimo.

The "*Nascopie*" then hove up the anchor and we proceeded to Port Burwell. Burwell was reached the next morning. We cleaned up all the bunker coal at Burwell, which amounted to 60 tons, in five hours. Two days after bunkering was completed the Government party arrived from Chimo and we immediately sailed for Resolution Island.

Resolution Island is wrongly named—it should be Resolution Islands. For a single screw steamer of the "*Nascopie*" size, the passage between the islands requires a considerable amount of skill on the part of the navigator. A strong current sets directly across the entrance and should only be attempted at slack water and fine weather. After passing through the islands a sharp left turn is necessary to clear a submerged rock to the anchorage. The anchorage is good.

After completing discharge of supplies we had to await a suitable opportunity to leave, which occurred at 9 a.m. the morning after discharging was completed.



R.M.S. NASCOPIE, CAPTAIN T. F. SMELLIE, MASTER  
HUDSON BAY AND STRAIT, 1941

## EXTRACTS FROM LOG

Date	Position Noon		Wind		State of the Ice
	Lat. N.	Long. W. Grw.	Dir.	Force	
July 22	Resolution Island		W. x N.	4	Heavy field ice, very close.
" 23	Lake Harbour		Variable	1	Heavy close packed ice.
" 24	Off Lake Harbour		NW.	5	Numerous bergs and growlers.
" 25	62° 40'	73° 32'	W.	4	Heavy closed ice.
" 26	62° 26'	75° 04'	SSW.	2	Heavy close packed ice.
" 27	62° 22'	75° 18'	SW.	1	Very heavy field ice.
" 30	62° 32'	76° 11'	E. and N.	1	Field ice in all directions.
" 31	62° 35'	77° 18'	E.	1	Ice conditions unchanged.
Aug. 1	63° 23'	76° 11'	N.	1	Heavy field ice.
" 3	Nottingham Island		NW.	4	Loose ice in all direction.
" 4	Nottingham Island		N.W.	4	Loose ice in all direction.
" 5	63° 40'	83° 11'	W.	2	No ice.
" 6	Southampton Island		NW.	5	No ice.
" 7	61° 04'	79° 50'	SW.	2	Heavy close packed ice.
" 8	60° 42'	78° 55'	S.W.	2	Heavy field ice.
" 9	60° 19'	79° 39'	SW.	4	Ice conditions unchanged.
" 26	Wolstenholme		NW.	2	Heavy close ice.
" 27	62° 47'	75° 33'	Calm		Numerous bergs and growlers.
" 28	Lake Harbour		W. x N.	2	Numerous bergs and growlers.
" 29	Hope's Advance		SE.	2	Numerous bergs and growlers.
" 30	Koksoak River		SE.	4	Several bergs and growlers.
" 31	Koksoak River		SSW.	4	Several bergs and growlers.
Sept. 1	Port Burwell		WNW.	5	Numerous bergs and growlers.
" 4	Hudson Strait		W.	3	Numerous bergs and growlers.
" 8	61° 15'	64° 05'	E.	4	Numerous bergs and growlers.

## CHURCHILL

## TRAFFIC

Shipping	1941	1940
Arrivals:—		
Number of vessels.....	19	17
Net registered tonnage.....	2,027	2,271
Departures:—		
Number of vessels.....	19	17
Net registered tonnage.....	2,027	2,271
Total Arrivals and Departures:—		
Number of vessels.....	38	34
Net registered tonnage.....	4,054	4,542
Water Borne Cargo Tonnage (Tons = 2,000 lbs. weight or measure)		
Inward.....	91	67
Outward.....	762	459
Total.....	853	526





Churchill: S.S. *Drakepool* anchored with stern moored to lower mooring buoy



## Hydrographic Information

The Hydrographic and Map Service, Surveys and Engineering Branch, Department of Mines and Resources, publish a series of navigation charts and also a volume of Sailing Directions covering the Hudson Bay Route from the Atlantic entrance of Hudson Strait to Churchill. These are kept up to date and added to from time to time as new information becomes available.

The "Tide Tables for the Atlantic Coast of Canada," published by the Tidal and Current Survey Division of the same Service, contain predictions for the port of Churchill and for Moosonee in James Bay. Tables in leaflet form are available for Port Nelson. Tidal differences for twelve localities in Hudson Strait and for seven localities in James Bay afford the times of high and low waters in these areas. The time of the turn of the tidal streams in the southern offing of Resolution and Nottingham Islands, and information on the currents in Digges Sound is also given. The automatic tide gauge is kept in operation each season at Churchill for the extension of the tidal records by which the predictions are improved.

### HYDROGRAPHIC PUBLICATIONS—HUDSON BAY AND STRAIT

#### *Charts—*

- |  |   |
|--|---|
| 401 Churchill Harbour.                   | P1409 Churchill Harbour to Hubbart Point.       |
| 402 Nelson roads.                        | P1502 James Bay.                                |
| 403 Approaches to Nelson River.          | P1503 Pritzler Harbour to Cape Weymouth.        |
| 404 Anchorages in Hudson Strait.         | Balcom and Barrier Inlets.                      |
| Sugluk Inlet.                            | Shaftesbury Inlet.                              |
| Port Burwell.                            | P1504 Mouth of Moose River.                     |
| Button Islands.                          | P1505 Rupert Bay.                               |
| 405 Hudson Bay and Strait.               | P1506 Mouth of Rupert River.                    |
| 406 Cape Tatnam to Port Nelson.          | P1507 Lower Savage Islands to Pritzler Harbour. |
| 407 Anchorages in                        | Pritzler Harbour.                               |
| Charles Inlet.                           | P1508 Erik Cove to Nuvuk Harbour including      |
| Savage Harbour.                          | Digges Islands.                                 |
| Acadia Cove.                             | Erik Cove.                                      |
| 408 Cape Churchill to Churchill Harbour. | Port de Laperriere.                             |
| 500 Cape Churchill to Egg River.         | Nuvuk Harbour.                                  |
| 501 Wakeham and Fisher Bays and          | Digges Harbour.                                 |
| Approaches                               |   |
| Wakeham Bay.                             |   |
| Fisher Bay.                              |   |
| 502 C. Prince of Wales to C. Weggs.      |   |
| Douglas Harbour.                         |   |

#### *Sailing Directions—*

Sailing Directions for the Hudson Bay Route.

#### *Tide Tables—*

Tide Tables for the Atlantic Coast of Canada

NOTE.—Copies of the above publications are available at the office of the High Commissioner for Canada, Canada House, London, England, for reference only. Charts and Sailing Directions are issued at 50 cents and Tide Tables at 25 cents per copy and may be obtained from the Hydrographic Service, Surveys and Engineering Branch, Department of Mines and Resources, Ottawa, or from the National Harbours Board Office, Churchill, Manitoba. All orders must be accompanied by postal or express money order, for the full amount, payable to the Receiver General for Canada.



## RESOLUTION ISLAND METEOROLOGICAL REPORT, 1941

Date	Mean Barometer 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 July										
1		45	32			SE.	6			
2	107.0	42	36	NE.	16	E.	16			
3	107.0	49	25	NE.	12	NW.	22			
4	105.0	40	32	W.	6	W.	4			
5	68.5	43	31	SE.	6	NW.	10			
6	102.0	45	34	E.	16	E.	16			.04
7	104.7		34	C.	0	SW.	6		.22	
8	102.1	36	35	S.	6	S.	6	{ Fog a.m. }	.02	
9	101.3	43	30	NW.	16	W.	4			
10	100.3	38	31	W.	4	W.	16			Trace
11	101.3	43	32	C.	0	W.	12	{ Fog p.m. }		
12	106.8	39	31	W.	16	NW.	16			
13		40	33	NW.	16					
14	106.2	45	34	E.	6	SE.	16			
15	100.6	46	38	W.	16	SW.	22		.01	
16		45	35	W.	16					
17		43	32			E.	12			
18	98.6	46	39	E.	16	E.	4			Trace
19	107.2	40	33	SW.	12	W.	6			
20		42	31	NW.	12					
21		45	34	W.	4				.06	
22	106.5	44	32	W.	6	SW.	6			
23	98.8	46	37	E.	22	E.	22			.01
24		44	34			N.	12			.02
25	110.3	49	41	NE.	16	NW.	16			
26	114.0	48	34	NW.	16	NW.	6			
27	119.0	42	33	W.	12	NW.	16			
28		51	35			W.	6			
29	113.5	44	39	NE.	22	NE.	40			
30	113.3	47	33	NE.	22	NE.	36			Trace
31	111.1	49	38	NE.	22	NW.	12			Trace
August										
1	118.4	56	38	NW.	6	NW.	10			
2	125.8	48	36	C.	0	SW.	4			
3	125.4	40	37	W.	6	NW.	6			
4	119.6	52	40	SE.	6	SE.	6			
5		57	40			NE.	22			
6	111.9	52	46	NE.	16	SE.	4			
7		50	34	E.	12					
8	104.7	39	34	SW.	28	W.	16		.01	
9	102.9	42	34	SE.	10	SE.	38			.01
10		50	34	SW.	6			{ Fog a.m. }	.23	
11	98.3	44	35	SE.	12	C.	0		.04	.14
12	97.9	43	35	NE.	16	SW.	4		.01	
13	102.5	43	35	NE.	22	NE.	28	{ Fog p.m. }	Trace	
14	91.0	42	41	E.	28	E.	28	{ Fog a.m. }	.19	
15	97.3	38	35	E.	12	S.	12	{ Fog p.m. }	.01	.03
16	107.3	37	36	S.	22	SE.	12	{ Fog a.m. }	.02	
17	108.2	45	35	E.	12	E.	22		.03	
18	102.2	45	37	NE.	22	NW.	12			Trace
19	110.6	46	39	NE.	12	E.	6	{ Fog a.m. }	.09	.46
20	110.9	46	37	NE.	4	C.	0	{ Fog p.m. }	.04	.09
21	111.6	43	36	NW.	4	SE.	6	{ Fog a.m. }	.01	
22	112.6	44	37	E.	16	E.	36			
23	107.7	42	39	E.	28	E.	36	{ Fog p.m. }		



## RESOLUTION ISLAND METEOROLOGICAL REPORT, 1941

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941 July					
1		Fair.....		12	Partly close packed, drift all directions, many bergs.
2	Fair.....	Fair.....	12	12	Loose drift all directions.
3	Fair.....	Cloudy.....	12	12	Loose drift all directions. 7 bergs.
4	Fair.....	Fair.....	12	12	
5	Cloudy.....	Fair.....	12	12	Loose scattered all directions, many bergs.
6	Cloudy.....	Rain.....	12	1	Scattered loose, all directions.
7	Overcast.....	Cloudy.....	2	12	Loose drift all directions, 5 bergs.
8	Overcast.....	Overcast.....	6	$\frac{1}{8}$	
9	Overcast.....	Clear.....	$1\frac{1}{2}$	12	
10	Cloudy.....	Cloudy.....	12	12	Loose scattered all directions, 4 bergs.
11	Clear.....	Cloudy.....	12	$\frac{1}{8}$	Loose drift in all directions, many bergs.
12	Overcast.....	Cloudy.....	$2\frac{1}{2}$	6	Loose drift off shore in all directions many bergs.
13	Cloudy.....		6		Loose scattered drift, all directions, many bergs.
14	Fair.....	Fair.....	12	30	" "
15	Cloudy.....	Cloudy.....	6	22	Scattered west to horizon, growlers, many bergs.
16	Cloudy.....		6		Loose packed. west, growlers.
17		Cloudy.....		30	Growlers, loose scattered all directions.
18	Cloudy.....		22	30	Loose west, growlers.
19	Overcast.....	Fair.....	22	22	
20	Clear.....		30		Loose, scattered, all directions, growlers.
21	Overcast.....		6		" "
22	Clear.....	Fair.....	22	22	" " , five bergs.
23	Fair.....	Rain.....	22	6	Scattered inshore, all directions, growlers, 3 bergs
24		Rain.....		6	
25	Fair.....	Clear.....	22	30	Loose scattered all directions, growlers, 7 bergs.
26	Fair.....	Fair.....	30	30	Growlers, eight miles.
27	Fair.....	Overcast.....	30	12	Growlers, many bergs.
28		Cloudy.....		12	Scattered drift, west, growlers, 7 bergs.
29	Fair.....	Cloudy.....	22	12	Growlers, 3 bergs.
30	Rain.....	Overcast.....	6	6	No ice, 3 bergs.
31	Rain.....	Cloudy.....	$2\frac{1}{2}$	$2\frac{1}{2}$	" "
Aug.					
1	Clear.....	Clear.....	30	30	No ice, 7 bergs.
2	Clear.....	Clear.....	30	30	
3	Fair.....	Clear.....	30	30	Growlers, 7 bergs
4	Fair.....	Fair.....	40	40	" 3 "
5		Fair.....		30	
6	Cloudy.....	Fair.....	30	30	" 4 "
7	Cloudy.....		12		
8	Fair.....	Clear.....	6	30	Growlers, 1 berg.
9	Fair.....	Rain.....	40	$2\frac{1}{2}$	Growlers, 2 bergs.
10	Cloudy.....		0		Growlers, 6 bergs.
11	Rain.....	Cloudy.....	$2\frac{1}{2}$	30	
12	Cloudy.....	Cloudy.....	12	30	Five bergs.
13	Rain.....	Rain.....	12	$\frac{1}{4}$	
14	Overcast.....	Overcast.....	$\frac{5}{8}$	0	
15	Cloudy.....	Cloudy.....	$2\frac{1}{2}$	12	
16	Rain.....	Cloudy.....	$\frac{1}{4}$	6	
17	Cloudy.....	Cloudy.....	30	12	One berg.
18	Cloudy.....	Rain.....	12	6	No ice.
19	Cloudy.....	Rain.....	$1\frac{1}{4}$	$\frac{1}{8}$	"
20	Overcast.....	Rain.....	0	$2\frac{1}{2}$	
21	Cloudy.....	Fair.....	30	40	No ice.
22	Cloudy.....	Cloudy.....	12	30	Growlers, 1 berg.
23	Fair.....	Overcast.....	12	$\frac{5}{16}$	Two bergs.



RESOLUTION ISLAND METEOROLOGICAL REPORT, 1941—Cont.

Date	Mean Barometer 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 August										
24.....	107.0	40	38	E.	6	NW.	4	{ Fog a.m. }	.24	.03
25.....	110.0	43	36	E.	28	NE.	16		.31	
26.....	114.8	44	39	NE.	12	NE.	16		.03	
27.....	111.3	44	39	E.	12	E.	16	{ Fog a.m. }	Trace	.01
28.....	112.2	43	35	E.	12	E.	12	{ Fog p.m. }	.01	
29.....	115.0	41	40	E.	6	S.	4	{ Fog a.m. }		
30.....		40	30			SW.	12	{ Fog p.m. }		
31.....	106.3	39	36	SW.	28	S.	4	{ Fog p.m. }	Trace	
September										
1.....		45	35			S.	16			
2.....	115.1	45	35	N	6	SE	6		Trace	
3.....	111.0	37	35	E.	10	N.	6			.12
4.....	121.1	39	39	NW.	16	NW.	16			
5.....	121.8	40	34	NW.	4	SW.	4			
6.....	117.5	42	36	E.	6	E.	28			
7.....	97.0	41	39	E.	22	E.	28	Fog	.12	.28
8.....	106.6	38	36	E.	16	W.	16			.09
9.....	124.1	36	34	W.	34	N.	34			
10.....	124.2	36	34	W.	4	SE.	22			
11.....	110.3	38	32	E.	28	NE.	28		.16	.28
12.....	108.6	42	34	NE	6	N.	34		.13	
13.....	105.4	40	34	NW.	16	NW.	16			Trace
14.....	109.4	38	33	W.	16	W.	6	Fog	.90	
15.....	106.7	40	30	NW.	6	W.	10			
16.....	116.9	36	32	NW.	10	W.	4			
17.....	112.7	37	34	E.	10	E.	6		.01	.02
18.....		35	30							
19.....		34	31	C.	0					
20.....		35	32							
21.....		37	35			N.	10			
22.....	117.7	37	42	N.	16	NW.	6			
23.....	108.6	34	30	NW.	4	W.	6			Trace
24.....	96.9	35	28	W.	22	W.	16			Trace
25.....	99.7	33	31	W.	28	W.	28			Trace
26.....	90.2	32	29	E.	6	N.	16			.01
27.....	92.3	32	28	NW.	42	W.	34		.02	
28.....	100.0	34	33	W.	16	SE.	22			
29.....	89.3	32	29	NE.	22	W.	34		.04	
30.....	92.6	31	28	NW.	42	NW.	42		.46	
October										
1.....		33	27	W.	34	N.	16		Trace	
2.....	108.8	33	29	C.	0	NW.	50			
3.....	112.6	31	28	NW.	22	W.	10			
4.....	105.4	31	28	SE.	10	E.	4			
5.....	105.6	34	29	NW.	6	E'	22			
6.....	102.4	53	29	SW.	28	S.	22		Trace	
7.....	113.9	30	29	SW.	28	SW.	16		Trace	Trace
8.....	110.4	31	28	SW.	6	NW.	22		Trace	
9.....	107.5	32	29	NW.	16	NW.	10		Trace	Trace
10.....		28	25			NE.	16			.37
11.....		33	21			NE.	22			.22
12.....		40	32	NE	28				Trace	
13.....	102.3	33	30	C.	0	NW	34		Trace	
14.....	105.3	30	29	W.	34	E.	6			
15.....		32	28	E.	28					
16.....	109.0	32	29	NE.	10	N.	6			
17.....	113.7	30	28	NW.	28	W.	10			Trace
18.....	116.2	28	27	N.	10	NW.	22			
19.....	107.0	31	25	W.	28	SW.	28			Trace
20.....	105.5	31	29	E.	10	N.W.	28		Trace	.01
21.....	99.2	34	29	N.	6	NE.	10		Trace	Trace



## RESOLUTION ISLAND METEOROLOGICAL REPORT, 1941—Cont.

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941					
Aug.					
24	Rain.....	Rain.....	$\frac{5}{16}$	$\frac{5}{16}$	.....
25	Rain.....	Overcast.....	$\frac{5}{16}$	12	.....
26	Cloudy.....	Cloudy.....		30	One berg.
R 27	Rain.....	Overcast.....	1 $\frac{1}{2}$		No ice.
28	Overcast.....	Cloudy.....	$\frac{1}{8}$		.....
29	Overcast.....	Overcast.....	2 $\frac{1}{2}$	$\frac{5}{16}$	.....
30	.....	Cloudy.....	6	.....	No ice.
31	Overcast.....	Overcast.....	30	0	Close packed ice.
Sept.					
1	.....	Fair.....	.....	20	Two bergs, growlers.
2	Overcast.....	Cloudy.....	30	20	“ “
3	Overcast.....	Rain.....	20	4	No ice.
4	Fair.....	Fair.....	20	20	Growlers, one berg.
5	Fair.....	Fair.....	30	30	Four bergs.
6	Cloudy.....	Overcast.....	30	20	Growlers, two bergs.
7	Rain.....	Overcast.....	2	.....	.....
8	Rain.....	Cloudy.....	.....	.....	.....
9	Cloudy.....	Fair.....	10	.....	.....
10	Cloudy.....	Cloudy.....	30	10	Close packed, four bergs.
11	Snow.....	Rain.....	1	2	.....
12	Overcast.....	Cloudy.....	4	.....	.....
13	Overcast.....	Snow.....	20	4	No ice.
14	Cloudy.....	Cloudy.....	1	10	.....
15	Overcast.....	Cloudy.....	20	02	Two bergs.
16	Overcast.....	Cloudy.....	20	30	No ice.
17	Rain.....	Rain.....	2	10	“
18	.....	.....	.....	.....	“
19	Fair.....	.....	.....	.....	“
20	.....	.....	.....	.....	One berg.
21	.....	Cloudy.....	.....	10	.....
22	Fair.....	Clear.....	.....	30	One berg.
23	Fair.....	Rain.....	30	2	.....
24	Cloudy.....	Cloudy.....	20	20	.....
25	Snow.....	Snow.....	4	10	.....
26	Overcast.....	Snow.....	20	1/8	Three bergs.
27	Overcast.....	Overcast.....	20	10	.....
28	Fair.....	Overcast.....	30	30	One berg.
29	Snow.....	Fair.....	5/16	20	.....
30	Cloudy.....	Cloudy.....	20	20	No ice.
Oct.					
1	Cloudy.....	Fair.....	20	30	No ice..
2	Cloudy.....	Cloudy.....	20	10	Two bergs.
3	Cloudy.....	Fair.....	30	20	.....
4	Cloudy.....	Fair.....	.....	30	.....
5	Cloudy.....	Overcast.....	20	2	Three bergs.
6	Snow.....	Overcast.....	10	10	.....
7	Snow.....	Snow.....	2	4	.....
8	Overcast.....	Overcast.....	20	30	Two bergs.
9	Overcast.....	Snow.....	10	5/16	.....
10	.....	Rain.....	.....	.....	One berg.
11	.....	Snow.....	.....	.....	“
12	.....	Cloudy.....	4	.....	“
13	Snow.....	Fair.....	.....	30	.....
14	Overcast.....	Cloudy.....	10	20	.....
15	Overcast.....	.....	.....	.....	.....
16	Cloudy.....	Cloudy.....	20	30	.....
17	Overcast.....	Cloudy.....	20	10	One berg.
18	Overcast.....	Cloudy.....	20	10	“
19	Cloudy.....	Snow.....	10	4	“
20	Snow.....	Overcast.....	.....	1	.....
21	Overcast.....	Snow.....	4	10	.....



## RESOLUTION ISLAND METEOROLOGICAL REPORT, 1941—Cont.

Date	Mean Barometer 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941										
October										
22.....	95.8	31	27	NW.	6	N.	6			
23.....	100.8	30	29	N.	6	E.	10			
24.....	95.7	34	30	NE.	28	NE.	50			.10
25.....	73.9	34	29	E.	34	S.	42		.21	Trace
26.....	111.3	29	28	SW.	50	E.	10		Trace	Trace
27.....	93.7	34	27	E.	16	SW.	28		.02	Trace
28.....	102.6	26	25	SW.	16	W.	16		Trace	
29.....		32	25			W.	28			Trace
30.....	105.4	32	26	W.	28	W.	16		Trace	Trace
31.....	108.2	28	24	W.	28	W.	16		Trace	
November										
1.....	110.6	32	27	S.	12	S.	12		Trace	
2.....	117.6	31	27	E.	6	NE.	6			
3.....	126.1	30	28	NE.	22	E.	28		.02	Trace
4.....	124.6	34	30	E.	28	E.	28		Trace	
5.....	112.7	34	31	NE.	22	E.	34			
6.....	108.3	36	31	E.	28	NE.	22	{ Fog a.m. }	.07	Trace
7.....	120.8	35	35	N.	16	C.	0		.02	
8.....	124.1	31	29	NE.	12	NW.	6			
9.....	120.4	27	23	N.	12	E.	12			Trace
10.....	108.6	28	26	E.	12	E.	16			
11.....	100.0	29	21	E.	28	E.	22		Trace	Trace
12.....	99.6	30	26	E.	16	SW.	16		.10	.10
13.....	105.5	24	24	NW.	22	NW.	22		.05	
14.....	103.9	32	20	N.	6	E.	16			Trace
15.....	97.7	24	20	E.	6	NE.	12		.05	.05
16.....	88.7	20	19	W.	6	W.	36		.02	
17.....	90.3	21	16	NW.	42	NW.	36		.03	
18.....	97.8	20	18	NW.	16	NW.	36			
19.....	103.2		17	NW.	28	NW.	22			
20.....	107.4	10	8	NW.	22	N.	12			Trace
21.....	96.9	22	10	NW.	22	NE.	28			.05
22.....	98.0	20	17	N.	4	NW.	22		.05	Trace
23.....	105.4	10	8	W.	36	NW.	28		Trace	Trace
24.....	104.6	18	6	W.	28	SW.	16		.10	Trace
25.....	95.9	20	16	SW.	36	S.	28		.10	Trace
26.....	76.9	30	22	S.	36	SW.	28		Trace	Trace
27.....	94.4	9	1	N.	4	W.	36		.20	.05
28.....	101.6	1	0	W.	36	W.	50		Trace	Trace
29.....			4	NW.	22				Trace	
30.....	99.4	12	1	NW.	16	N.	16			.15



RESOLUTION ISLAND METEOROLOGICAL REPORT, 1941—Cont.

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941					
Oct.					
22	Cloudy.....	Overcast.....	20	20	.....
23	Overcast.....	Overcast.....	20	10	.....
24	Cloudy.....	Cloudy.....	20	1/8	.....
25	Overcast.....	Overcast.....	4	.....	.....
26	Overcast.....	Cloudy.....	10	20	.....
27	Rain.....	Snow.....	.....	1/8	.....
28	Fair.....	Cloudy.....	20	30	.....
29	.....	Cloudy.....	.....	20	.....
30	Overcast.....	Overcast.....	10	20	.....
31	Cloudy.....	Overcast.....	10	30	.....
Nov.					
1	Snow.....	Overcast.....	2 1/2	30	.....
2	Overcast.....	Overcast.....	40	30	1 berg.
3	Snow.....	Snow.....	6	6	"
4	Overcast.....	Cloudy.....	30	12	.....
4	Overcast.....	Cloudy.....	12	2 1/2	.....
6	Rain.....	Fair.....	1/8	12	.....
7	Overcast.....	Overcast.....	2 1/2	12	.....
8	Cloudy.....	Cloudy.....	30	12	.....
9	Overcast.....	Overcast.....	40	12	.....
10	Overcast.....	Overcast.....	12	12	.....
11	Snow.....	Overcast.....	12	12	.....
12	Snow.....	Snow.....	6	1 1/4	Ice all directions to horizon.
13	Cloudy.....	Cloudy.....	6	2 1/2	.....
14	Overcast.....	Snow.....	30	5/8	.....
15	Snow.....	Cloudy.....	5/8	6	.....
16	Snow.....	Snow.....	5/8	5/8	.....
17	Clear.....	Overcast.....	2 1/2	2 1/2	.....
18	Fair.....	Fair.....	12	30	.....
19	Overcast.....	Overcast.....	12	30	Loose, one berg.
20	Fair.....	Snow.....	30	2 1/2	.....
21	Snow.....	Snow.....	.....	5/8	.....
22	Snow.....	Snow.....	.....	5/8	.....
23	Snow.....	Overcast.....	.....	2 1/2	.....
24	Cloudy.....	Cloudy.....	12	12	.....
25	Overcast.....	Snow.....	5/8	6	.....
26	Snow.....	Cloudy.....	6	30	No ice in sight.
27	Snow.....	Snow.....	1/8	6	.....
28	Overcast.....	Snow.....	6	5/8	.....
29	Snow.....	.....	6	.....	.....
30	Overcast.....	Clear.....	12	6	.....



NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1941

Date	Mean Barometer 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 July										
1.....	113.2	39	25	WNW.	5	W.	6	3		
2.....	114.6	40	30	E.	10	S.	4	8		
3.....	111.7	37	30	S.	12	WSW.	9	24		
4.....	106.8	45	32	S.	5	ENE.	17			
5.....	108.0	50	36	NE.	12	W.	6			
6.....	109.5	48	36	W.	4	SW.	6			
7.....	103.5	43	34	S.	16	NW.	12			.03
8.....	105.8	38	27	W.	4	W.	8	8		
9.....	104.7	42	29	W.	3	W.	12	7		
10.....	106.4	42	30	W.	6	SE.	7	10	.01	
11.....	108.7	40	32	W.	9	S.	7	10		
12.....	112.4	41	33	SW.	13	SW.	12		.01	
13.....	113.5	47	31	SSW.	6	ENE.	15			
14.....	93.4	44	34	ENE.	11	S.	19	3	.18	.03
15.....	98.5	39	32	W.	24	W.	17		.04	.06
16.....	105.9	43	33	W.	7	SW.	8			
17.....	104.6	45	32	S.	2	WNW.	6			
18.....	104.6	43	31	W.	3	W.	8	2		
19.....	110.0	43	29	W.	9	S.	9	7½		.26
20.....	105.0	38	34	S.	20	SW.	12	8		.18
21.....	108.3	50	32	W.	3	NW.	10		.06	
22.....	108.0	51	36	E.	5	ENE.	15			
23.....	98.3	47	33	NE.	12	ENE.	21			
24.....	108.1	55	34	N.	8	N.	7			
25.....	114.4	45	34	SW.	6	W.	9			
26.....	116.2	44	34	S.	9	S.	9			
27.....	114.3	48	34	S.	12	W.	6			
28.....	113.6	53	34	SW.	9	S.	6	3	.14	
29.....	118.3	54	32	E.	4	E.	14			
30.....	116.7	56	38	ENE.	14	ENE.	9			
31.....	117.4	57	37	E.	10	SE.	5			
1941 August										
1.....		54	38	SW.	4					
2.....	123.4	54	36	C.	0	E	6			
3.....	119.0	65	45	NE.	6	S.	6			
4.....	126.3	65	44	W.	6	N.	16	Fog a.m.	.10	
5.....		51	44			SW.	4			
6.....	103.6	52	34	E.	12	S.	22		.01	.05
7.....		50	34	NW.	16				.01	
8.....	101.5	40	33	S.	16	SE.	10	Fog p.m. Fog a.m. p.m.	Trace	.05
9.....	96.9	49	35	SW.	10	Sw.	12		.18	.02
10.....		50	31	W.	6				.03	
11.....	99.6	47	33	NE.	16	NW.	12			
12.....	100.3	44	34	NW.	12	W.	12			.05
13.....	105.9	44	33	S.	12	E.	12			
14.....	99.6	47	35	W.	6	N.	16			.10
15.....	92.7	48	38	N.	12	NW.	12	Fog p.m. Fog a.m. p.m.	.15	.40
16.....	98.9	44	33	E.	6	E.	6		.17	
17.....	104.9	42	35	W.	4	W.	6		.04	
18.....	102.7	45	35	E.	6	E.	6		.01	
19.....	97.6	45	37	W.	6	W.	12	Fog a.m. p.m. Fog a.m.	.03	Trace
20.....	101.7	42	35	S.	6	S.	12			
21.....		45	36	S.	12					



NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1941

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941 July					
1	Partly cloudy; fog in p.m.		12	$\frac{1}{8}$	.....
2	Overcast; fog in p.m.		6	$\frac{5}{16}$	In cove scattered, in channel scattered.
3	Fog		$\frac{1}{8}$	$\frac{1}{8}$	.....
4	Overcast to cloudy		6	6	.....
5	Overcast to partly cloudy		12	30	Close packed five miles off shore all directions to horizon.
6	Overcast to cloudy		6	12	Cove frozen scattered drift to horizon.
-	Overcast		6	6	" "
8	Clear a.m. light fog p.m.		12	$\frac{5}{16}$	" "
9	Drizzle and fog		12	$\frac{5}{16}$	" "
10	Fog; partly cloudy		$\frac{1}{8}$	12	Loose scattered south cove frozen loose.
11	10 hours fog offshore		$\frac{5}{8}$	30	All directions to horizon.
12	Rain; partly cloudy in p.m.		12	12	Cove frozen, scattered floe to horizon.
13	Partly cloudy to cloudy; Rain at night		30	12	" "
14	Overcast; fog and rain		6	$\frac{5}{16}$	Cove frozen.
15	Fog at distance; rain		$1\frac{1}{4}$	12	Close packed in cove, no ice south west.
16	Clear to partly cloudy		30	30	Close packed in harbour, no ice off shore.
17	Cloudy		12	12	Loose drift scattered all directions to horizon.
18	Partly cloudy to overcast		12	6	" "
19	Fog a.m.; Rain		$\frac{1}{8}$	12	" "
20	Overcast; rain and fog		6	$\frac{5}{16}$	Close packed inshore scattered off shore, close packed.
21	Cloudy to clear		12	30	Loose drift N.W., all directions to horizon.
22	Cloudy to partly cloudy		6	30	Loose drift all directions, growlers to horizon.
23	Cloudy to partly cloudy		12	12	No ice in cove scattered drift south west off shore.
24	Overcast to clear		6	30	.....
25	Partly cloudy		12	12	Loose, scattered all directions, in channel.
26	Clear		30	30	Close packed off shore in channel, no ice in cove.
27	Partly cloudy to cloudy		30	30	Close packed drift, in shore, loose drift four miles west to horizon.
28	Rain; Fog in a.m.		$\frac{1}{8}$	30	Close packed in shore, scattered in channel—close packed.
29	Cloudy to partly cloudy		12	12	Drift scattered all directions to horizon.
30	Partly cloudy to clear		30	12	Scattered drift to horizon.
31	Partly cloudy		30	30	Drift all directions off shore to horizon.
1941 Aug.					
1	Clear.....	.....	30	.....	No ice, many bergs, close packed in channel.
2	Fair.....	Cloudy.....	22	30	Drift scattered all directions to horizon.
3	Fair.....	Cloudy.....	30	22	" " " "
4	Cloudy.....	Fair.....	$\frac{5}{8}$	30	" " " "
5	.....	Cloudy.....	.....	30	Scattered drift off shore, south to horizon.
6	Cloudy.....	Rain.....	6	$2\frac{1}{2}$	Scattered ice, five miles off shore.
7	Cloudy.....	.....	30	.....	.....
8	Rain.....	Rain.....	$1\frac{1}{4}$	$\frac{5}{8}$	.....
9	Rain.....	Rain.....	$\frac{5}{8}$	$1\frac{1}{4}$	No ice.
10	Cloudy.....	.....	$2\frac{1}{2}$	.....	"
11	Fair.....	Fair.....	30	30	"
12	Fair.....	Cloudy.....	12	$2\frac{1}{2}$	.....
13	Cloudy.....	Cloudy.....	12	12	" "
14	Cloudy.....	Rain.....	30	12	No ice.
15	Rain.....	Cloudy.....	6	$\frac{5}{8}$	.....
16	Rain.....	Cloudy.....	$\frac{5}{8}$	30	No ice.
17	Cloudy.....	Cloudy.....	30	30	"
18	Rain.....	Cloudy.....	6	30	"
19	Cloudy.....	Cloudy.....	$1\frac{1}{4}$	$\frac{5}{8}$	"
20	Overcast.....	Overcast.....	$\frac{1}{8}$	12	.....
21	Overcast.....	.....	6	.....	No ice.



## NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1941—Cont.

Date	Mean Barometer 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 August										
22.....	102.0	48	35	E.	16	SE.	6	Fog p.m. Fog p.m. Fog p.m.	.04	.....
23.....	100.0	43	37	E.	12	E.	12		.....	.60
24.....	107.4	45	35	S.	6	SE.	6		.....	.08
25.....	114.7	48	35	N.	12	C.	0	.....	.....	
26.....	114.0	50	38	E.	12	E.	12	.....	.....	
27.....	113.2	47	35	E.	12	W.	6	.....	.....	
28.....	110.9	47	36	C.	0	C'	0	.....	.....	
29.....	111.2	44	34	SE.	6	SE.	12	.....	.05	
30.....	.....	40	35	.....	.....	SW	16	.....	.....	
31.....	107.7	42	33	NW.	16	W.	6	Fog a.m.	.01	
September										
1.....	.....	45	36	.....	.....	S.	10	Fog	.....	
2.....	105.6	42	33	S.	22	S.	10	Fog	.....	
3.....	112.7	42	32	W.	10	SW.	16	.....	.05	
4.....	117.2	40	36	S.	16	S.	6	Fog	.....	
5.....	116.8	42	34	SW.	10	N.	4	Fog	.....	
6.....	109.3	44	35	NE.	22	E.	22	.....	.....	
7.....	111.0	50	36	E.	16	N.	10	.....	.....	
8.....	120.8	36	31	NW.	22	W.	22	.....	.....	
9.....	124.0	39	30	E.	6	W.	10	.....	.....	
10.....	123.3	37	32	C.	0	E.	10	.....	.....	
11.....	123.0	42	26	E.	4	NW.	10	.....	.....	
12.....	119.3	36	28	S.	6	S.	16	.....	.....	
13.....	112.9	42	34	S.	4	E.	6	Fog	.02	
14.....	111.3	34	30	NW.	6	E.	6	.....	.....	
15.....	110.2	42	29	N.	6	N.	10	.....	.....	
16.....	117.8	48	31	N.	10	N.	16	.....	.....	
17.....	122.3	36	30	N.	22	N.	16	.....	.....	
18.....	.....	32	26	W.	10	.....	.....	.....	.....	
19.....	.....	40	32	E.	16	.....	.....	.....	.02	
20.....	.....	37	30	.....	.....	.....	.....	.....	.....	
21.....	.....	54	31	.....	.....	N.	6	.....	.....	
22.....	120.2	33	29	W.	6	W.	10	.....	.....	
23.....	92.7	35	31	SE.	16	S.	16	.....	.....	
24.....	104.1	31	31	N.	6	W.	10	.....	.01	
25.....	101.3	34	25	N.	4	S.	4	.....	.....	
26.....	.....	33	28	.....	.....	S.	4	.....	Trace	
27.....	96.3	31	23	W.	4	W.	12	.....	.....	
28.....	96.9	33	26	S.	10	E.	6	.....	.01	
29.....	95.3	30	27	N.	10	NW	16	.....	.....	
30.....	96.3	30	24	NW.	10	NW.	16	.....	Trace	
October										
1.....	.....	30	28	.....	.....	NW.	16	.....	.....	
2.....	.....	30	29	.....	.....	SW.	6	.....	.....	
3.....	105.0	33	29	E.	22	W.	4	.....	Trace	
4.....	108.0	35	26	S.	4	S.	22	.....	.02	
5.....	102.1	31	29	SE.	16	E.	6	.....	.06	
6.....	111.1	24	24	NW.	6	NW.	16	.....	.....	
7.....	.....	34	29	.....	.....	N.	4	.....	.....	
8.....	113.1	36	24	N.	6	NW.	6	.....	Trace	
9.....	114.0	23	23	W.	6	N.	6	.....	Trace	
10.....	.....	28	24	.....	.....	N.	10	.....	.....	
11.....	115.7	38	23	N.	6	N.	10	.....	.....	
12.....	.....	30	24	N.	10	.....	.....	.....	.....	
13.....	.....	24	23	.....	.....	W.	10	.....	.....	
14.....	113.3	24	21	N.	6	N.	10	.....	.....	
15.....	.....	25	20	N.	4	.....	.....	.....	.....	
16.....	110.3	27	23	NW.	6	NW.	10	.....	.....	
17.....	113.3	29	25	N.	4	E.	6	.....	Trace	
18.....	117.3	27	21	E.	10	S.	10	.....	.....	
19.....	99.4	32	29	S.	34	W.	22	.....	.....	
20.....	115.1	35	27	W.	22	NW.	22	.....	.....	
21.....	107.8	28	25	N.	4	E.	10	.....	Trace	



NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1941—*Cont.*

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941 Aug.					
22	Cloudy.....	Cloudy.....	30	2½	No ice.
23	Cloudy.....	Overcast.....	30	$\frac{5}{8}$	"
24	Overcast.....	Fair.....	12	$\frac{5}{8}$	"
25	Cloudy.....	Cloudy.....	30	30	"
26	Cloudy.....	Fair.....	30	30	"
27	Overcast.....	Cloudy.....	12	30	"
28	Cloudy.....	Cloudy.....	30	12	.....
29	Rain.....	Fair.....	1¼	40	No ice.
30	.....	Overcast.....	.....	30	Two bergs.
31	Overcast.....	Fair.....	$\frac{5}{8}$	30	No ice.
Sept.					
1	.....	Overcast.....	.....	$\frac{1}{8}$	No ice.
2	Overcast.....	Overcast.....	20	.....	Drift five miles, close packed.
3	Cloudy.....	Cloudy.....	20	20	To horizon, one berg, growlers.
4	Cloudy;.....	Overcast.....	10	$\frac{1}{8}$	No ice.
5	Overcast.....	Overcast.....	5/16	4	.....
6	Fair.....	Fair.....	20	20	" No ice.
7	Fair.....	Cloudy.....	30	20	"
8	Cloudy.....	Cloudy.....	20	.....	"
9	Cloudy.....	Cloudy.....	20	20	"
10	Cloudy.....	Fair.....	20	30	"
11	Fair.....	Fair.....	20	20	"
12	Cloudy.....	Cloudy.....	20	20	"
13	Overcast.....	Fair.....	$\frac{1}{8}$	30	.....
14	Fair.....	Fair.....	20	20	No ice.
15	Fair.....	Fair.....	20	20	.....
16	Fair.....	Cloudy.....	20	20	No ice.
17	Cloudy.....	Fair.....	20	20	"
18	Cloudy.....	.....	20	.....	"
19	Snow.....	.....	$\frac{1}{2}$	.....	"
20	.....	.....	.....	.....	"
21	.....	Overcast.....	.....	20	"
22	Cloudy.....	Overcast.....	.....	30	"
23	Overcast.....	Cloudy.....	20	20	.....
24	Cloudy.....	Cloudy.....	20	30	No ice.
25	Fair.....	Fair.....	20	20	"
26	.....	Overcast.....	.....	30	.....
27	Cloudy.....	Cloudy.....	20	20	No ice.
28	Fair.....	Cloudy.....	20	4	"
29	Cloudy.....	Overcast.....	20	10	.....
30	Fair.....	Cloudy.....	20	.....	No ice.
Oct.					
1	.....	Cloudy.....	.....	20	.....
2	.....	Cloudy.....	.....	20	No ice.
3	Overcast.....	Cloudy.....	1	20	"
4	Cloudy.....	Cloudy.....	.....	4	"
5	Cloudy.....	Overcast.....	20	2	"
6	Cloudy.....	Overcast.....	20	20	"
7	.....	Cloudy.....	.....	20	"
8	Cloudy.....	Snow.....	20	.....	"
9	Cloudy.....	Cloudy.....	.....	1	"
10	.....	Cloudy.....	.....	.....	"
11	Overcast.....	Cloudy.....	10	$\frac{5}{16}$	.....
12	Cloudy.....	.....	20	.....	"
13	.....	Cloudy.....	.....	20	No ice.
14	Overcast.....	Cloudy.....	20	20	"
15	Cloudy.....	.....	.....	.....	"
16	Overcast.....	Cloudy.....	20	.....	.....
17	Snow.....	Overcast.....	4	20	No ice.
18	Overcast.....	Cloudy.....	20	20	"
19	Snow.....	Cloudy.....	.....	.....	"
20	Overcast.....	Overcast.....	20	10	.....
21	Snow.....	Snow.....	20	20	" "



## NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1941—Cont.

Date	Mean Baro- meter 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 October										
22.....	95.7	29	24	W.	16	N.	6	.....	Trace	.....
23.....	103.4	25	22	NW.	6	N.	6	.....	Trace	Trace
24.....	105.4	26	16	N.	6	N.	4	.....	Trace	.....
25.....	83.9	19	14	N.	28	NW.	10	.....	.01	Trace
26.....	92.0	27	26	S.	28	S.	34	.....	.02	.....
27.....	101.0	26	23	E.	16	N.	10	.....	.....	Trace
28.....	97.4	32	22	W.	10	W.	16	.....	.01	Trace
29.....	98.4	23	19	W.	22	W.	22	.....	.05	.....
30.....	102.9	32	12	W.	16	W.	16	.....	.03	Trace
31.....	104.4	22	18	NW.	10	N.	10	.....	.....	.....
November										
1.....	109.6	30	16	N.	12	N.	6	.....	.....	.....
2.....	115.8	28	12	S.	12	SE.	16	.....	.....	.....
3.....	122.6	28	21	S.	12	SE.	6	.....	.....	.....
4.....	123.4	33	28	E.	22	E.	22	.....	.....	.....
5.....	.....	.....	28	E.	12	.....	.....	.....	.....	.....
6.....	117.4	32	20	N.	6	C.	0	.....	.....	.....
7.....	127.6	22	18	N.	6	E.	6	.....	.....	.....
8.....	126.7	21	16	E.	12	E.	12	.....	.....	.....
9.....	118.5	22	10	N.	6	E.	6	.....	.....	.....
10.....	105.3	23	19	E.	6	E.	16	.....	.....	.....
11.....	95.6	28	27	E.	12	E.	4	.....	.02	.02
12.....	105.6	13	13	N.	16	N.	12	.....	.02	.....
13.....	107.7	14	9	N.	12	E.	12	.....	.....	.01
14.....	107.2	31	10	N.	6	W.	28	.....	.02	.....
15.....	105.8	2	- 2	NW.	16	N.	16	.....	.....	.....
16.....	112.3	.....	-10	NW.	22	N.	16	.....	.....	.....
17.....	110.2	13	- 7	NW.	6	E.	12	.....	.....	.01
18.....	112.7	11	10	N.	6	N.	6	.....	.....	.....
19.....	.....	9	5	.....	.....	N.	6	.....	.....	.....
20.....	113.3	1	- 1	N.	6	N.	4	.....	.....	.....
21.....	.....	.....	- 3	N.	8	.....	.....	.....	.....	.....
22.....	103.4	-11	-15	NW.	16	W.	22	.....	.....	.....
23.....	105.3	4	-17	W.	16	S.	18	.....	.....	Trace
24.....	101.1	39	2	S.	16	W.	28	.....	.05	Trace
25.....	79.9	19	-10	N.	6	E.	22	.....	.....	.05
26.....	78.8	3	-13	N.	36	NW.	22	{ Fog a.m. }	.02	.....
27.....	95.9	-13	-18	W.	22	W.	22	.....	.02	.....
28.....	98.5	-14	-16	SW.	22	S.	16	.....	.....	.....
29.....	99.2	-10	-17	S.	12	N.	12	.....	.....	.....
30.....	120.3	-10	-12	N.	12	N.	6	.....	.....	.....



## NOTTINGHAM ISLAND METEOROLOGICAL REPORT, 1941—Cont.

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941					
Oct.					
22	Cloudy.....	Overcast.....	20	20	No ice.
23	Overcast.....	Overcast.....	20	20	"
24	Cloudy.....	Cloudy.....	10	.....	Growlers.
25	Snow.....	Overcast.....	20	.....	No ice.
26	Overcast.....	Overcast.....	20	.....	"
27	Cloudy.....	Snow.....	20	20	"
28	Snow.....	Snow.....	4	.....	"
29	Snow.....	Overcast.....	20	20	"
30	Snow.....	Cloudy.....	4	4	.....
31	Overcast.....	Overcast.....	20	20	Close packed drift off shore five to six miles.
Nov.					
1	Overcast.....	Fair.....	30	30	Close packed, in sight, west, south.
2	Fair.....	Fair.....	30	30	Scattered, offshore.
3	Cloudy.....	Cloudy.....	30	30	Drift offshore.
4	Cloudy.....	Cloudy.....	30	12	.....
5	Fair.....	.....	30	.....	.....
6	Fair.....	Fair.....	30	30	.....
7	Clear.....	Fair.....	30	30	.....
8	Overcast.....	Overcast.....	12	30	.....
9	Overcast.....	Overcast.....	30	30	.....
10	Overcast.....	Overcast.....	30	30	.....
11	Snow.....	Overcast.....	2 $\frac{1}{2}$	6	.....
12	Snow.....	Overcast.....	12	30	Scattered offshore.
13	Fair.....	Snow.....	30	12	.....
14	Snow.....	Overcast.....	6	30	.....
15	Fair.....	Fair.....	12	30	No ice.
16	Cloudy.....	Overcast.....	$\frac{1}{8}$	30	No ice in sight.
17	Clear.....	Snow.....	30	6	Drift inshore.
18	Overcast.....	Overcast.....	30	30	.....
19	.....	Overcast.....	.....	12	.....
20	Fair.....	Cloudy.....	30	30	.....
21	Overcast.....	.....	12	.....	Loose drift southwest in sight.
22	Overcast.....	Fair.....	12	$\frac{5}{16}$	" "
23	Overcast.....	Snow.....	12	2 $\frac{1}{2}$	" "
24	Snow.....	Snow.....	30	6	" "
25	Overcast.....	Overcast.....	30	12	" "
26	Snow.....	Fair.....	$\frac{1}{8}$	12	" "
27	Overcast.....	Cloudy.....	2 $\frac{1}{2}$	2 $\frac{1}{2}$	Ice two miles inshore.
28	Overcast.....	Fair.....	30	30	.....
29	Overcast.....	Fair.....	30	12	Close packed offshore West—South.
30	Fair.....	Cloudy.....	30	30	.....



CHURCHILL METEOROLOGICAL REPORT, 1941

Date	Mean Barometer 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 July										
1	117.7	61	50	C.	0	NE	2			
2	117.2	58	49	NW.	10	E.	6			
3	112.4	75	50	W.	10	C.	0			
4	114.1	63	41	N.	10	W.	10		.05	
5	113.3	68	48	W.	10	E.	10			
6	113.3	74	48	W.	6	WSW.	2			
7	109.2	84	56	W.	15	W.	15			
8	111.0	56	44	W.	15	ENE.	21			
9	113.9	53	43	NE.	10	NE.	10			
10	112.5	69	46	W.	15	N.	10			
11	112.1	81	40	S.	10	W.	15			
12	112.3	64	49	NNE.	10	ESE.	15			
13	107.7	76	53	SW.	15	W.	21		.04	.10
14	113.3	63	48	NW.	21	C.	0			
15	112.3	76	45	W.	15	W.	10		.16	
16	107.0	78	49	E.	6	W.	10			
17	110.3	53	43	N.	28	N.	2			
18	109.8	62	50	W.	15	E.	15			
19	102.7	83	48	S.	15	S.	15			
20	102.4	55	50	N.	6	N.	15			
21	104.7	53	46	S.	6	E.	15			
22	99.1	46	42	E.	15	ENE.	10			1.01
23	104.1	48	42	E.	15	NE.	10		.01	
24	114.0	64	44	NW.	6	E.	10			
25	114.7	76	42	S.	10	S.	10			
26	109.4	82	55	S.	10	SW.	10			
27	111.5	63	54	W.	10	E.	10			
28	112.9	60	44	E.	10	SE.	15			
29	108.8	73	50	SE.	10	SE.	10			
30	111.2	66	53	NW.	15	C.	0			
31	113.9	66	56	W.	6	E.	10			
August										
1	112.5	83	53	SSE.	21	SE.	6			.09
2	111.8	74	55	S.	6	E.	10		.08	
3	122.5	61	54	NW.	15	ENE	6			
4	129.3	65	41	S.	6	SE.	15	Fog a.m.		
5	111.7	73	49	SE	28	S.	21			.03
6	115.5	53	47	N.	15	E.	6			
7	116.7	65	45	S.	15	C.	0			
8	111.9	64	49	W.	10	NW.	15			
9	109.4	71	48	W.	6	WNW.	15			
10	106.5	59	48	SE.	6	E.	21			.15
11	115.6	51	44	N.	10	NW.	15			
12	117.2	53	47	W.	15	E.	10			
13	111.8	57	42	SE.	10	ENE.	15			
14	115.7	53	46	NW.	6	C.	0			
15	116.8	58	43	N.	21	NW.	10			
16	114.5	66	48	W.	15	C.	0			
17	109.2	72	41	S.	10	E.	6	Fog a.m.		
18	111.1	52	44	N.	35	NNW	10		.14	
19	107.3	58	45	C.	0	NNE.	21			.30
20	107.5	55	42	W.	10	NW.	28			.01
21	106.9	52	43	NNW.	28	NW.	21		.14	.05
22	110.9	49	42	N.	21	N.	10		.07	.02
23	110.0	54	41	NNW.	15	NW.	10			.01
24	106.5	52	45	NW.	21	NW.	28			.14
25	115.5	47	42	NE.	21	NE.	15			
26	119.0	51	41	W.	10	NW.	10		.02	
27	114.4	60	46	W.	6	NW.	15			
28	112.9	52	40	W.	10	C.	0		.12	
29	107.5	58	43	S.	15	NE.	6			
30	108.0	55	44	NE.	28	NW.	2			
31	115.9	54	42							



## CHURCHILL METEOROLOGICAL REPORT, 1941

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941					
July					
1	Partly Cloudy		12	30	No ice in sight.
2	Partly Cloudy		30	12	" "
3	Partly Cloudy	Showers early p.m.	12	12	" "
4	Cloudy to Partly Cloudy		12	12	" "
5	Clear to Partly Cloudy		12	30	" "
6	Partly Cloudy		12	30	" "
7	Partly Cloudy		12	12	" "
8	Cloudy		12	12	" "
9	Cloudy		12	30	" "
10	Clear to Overcast		30	12	" "
11	Cloudy Overcast		12	24	" "
12	Thunder in distance, showers		6	30	" "
13	Continuous rain; overcast		12	12	" "
14	Showery to partly cloudy		6	12	" "
15	Rain a.m.		12	12	" "
16	Cloudy		12	12	" "
17	Cloudy to partly cloudy		12	12	" "
18	" " "		12	12	" "
19	Partly cloudy to overcast		12	6	" "
20	Overcast; smoky		6	12	" "
21	Cloudy to overcast		12	12	" "
22	Cloudy; fog in distance		30	2 $\frac{1}{2}$	" "
23	Drizzle; fog in distance		2 $\frac{1}{2}$	12	" "
24	Cloudy to clear		12	12	" "
25	Clear to overcast		12	12	" "
26	Overcast to partly cloudy		12	12	" "
27	Clear to overcast		12	12	" "
28	Overcast		12	12	" "
29	Overcast to cloudy		12	12	" "
30	Clear to overcast		12	12	" "
31	Overcast to partly cloudy		12	12	" "
Aug.					
1	Partly cloudy; Thunderstorm in p.m.		12	2 $\frac{1}{2}$	No ice in sight
2	Showers a.m. cloudy p.m.		6	30	" "
3	Partly cloudy to cloudy		30	12	" "
4	Fog a.m. cloudy		$\frac{1}{8}$	12	" "
5	Cloudy; showers		12	6	" "
6	Clear to overcast		12	12	" "
7	Cloudy to overcast		12	12	" "
"	Overcast to cloudy		12	12	" "
9	Cloudy		12	12	" "
10	Thunderstorm in evening		12	12	" "
11	Cloudy		12	12	" "
12	Overcast to cloudy		12	12	" "
13	Cloudy		12	12	" "
14	Overcast to cloudy		6	12	" "
15	Cloudy to overcast		12	12	" "
16	Overcast to partly Cloudy		12	12	" "
17	Fog; cloudy		12	30	" "
16	Overcast to cloudy		12	12	" "
19	Overcast to cloudy		12	12	" "
20	Partly cloudy to cloudy squally weather		12	6	" "
21	Clear to overcast; showers		30	6	" "
22	Drizzle; cloudy		6	12	" "
23	Overcast; light rain		12	12	" "
24	Overcast; rain		12	6	" "
25	Cloudy; drizzle		6	12	" "
26	Drizzle; overcast		6	12	" "
27	Overcast; rain		12	6	" "
28	Rain; cloudy		2 $\frac{1}{2}$	12	" "
29	Cloudy to overcast		12	12	" "
30	Overcast to partly cloudy		12	12	" "
31					" "



## CHURCHILL METEOROLOGICAL REPORT, 1941—Cont.

Date	Mean Baro- meter 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 September										
1	105.0	54	45	S.	16	W.	20			.29
2	113.9	60	39	NW.	18	W.	4			
3	116.4	52	33	SW.	3	E.	10			
4	113.6	60	38	S.	2	E.	20			
5	113.5	60	45	ENE.	22	NE.	30			
6	116.6	50	41	N.	28	N.	14			
7	120.9	45	32	S.	6	NE.	10			
8	124.2	46	29	SE.	6	SE.	14			.30
9	122.4	41	35	E.	22	E.	25		.31	.12
10	123.2	43	40	NE.	16	NE.	5			
11	122.2	44	31	S.	10	SW.	16			
12	115.2	57	35	S.	16	SE.	18			
13	96.4	61	43	E.	28	SE.	14		.07	.37
14	98.1	58	44	E.	18	E.	21	Fog p.m.	.14	.03
15	106.4	46	42	NE.	14	N.	5	Fog a.m.	.07	
16	117.1	45	41	ENE.	22	ENE.	25	Fog p.m. Fog a.m.		
17	124.9	44	40	NE.	20	E.	16			
18	113.1	43	39	SE.	19	NW.	12		Trace	.39
19	113.0	49	37	N.	16	NE.		Fog a.m.	Trace	
20	115.6	41	38	ENE.	24	NE.	13			.15
21	123.6	41	35	NW.	10	SW.	10		.05	
22	116.0	43	34	S.	16	NW.	34			.03
23	113.3	40	29	W.	16	W.	18			
24	112.3	38	29	W.	10	WSW.	12			
25	106.2	42	28	N.	14	NW.	25			
26	103.6	34	25	WNW.	16	WNW.	22			
27	102.0	35	22	NW.	24	N.	26			.01
28	114.2	33	24	NW.	23	W.	10		.01	
29	111.3	37	27	W.	16	NW.	16			
30	113.2	35	28	NW.	14	WNW.	2			
October										
1	114.5	35	29	SE.	6	S.	16		.05	
2	111.5	38	28	S.	16	NW.	28			.09
3	109.5	34	25	NW.	10	N.	6			
4	109.7	34	23	NW.	22	NW.	28			.01
5	116.1	34	27	NW.	22	NW.	16		.01	
6	117.1	36	26	SE.	10	S.	10			
7	117.2	38	29	SE.	10	SE.	6			
8	117.6	36	31	S.	10	SE.	6			
9	117.2	36	31	NE.	6	N.	22			
10	120.2	31	22	NW.	16	SE.	10			
11	109.9	34	21	SE.	22	S.	6		Trace	.02
12		35	31	C.	0					
13	107.7	35	31	E.	10	E.	28			.03
14	108.8	34	33	E.	22	E.	6		.02	
15		40	30			W.	10			
16	109.0	45	30	SE.	6	S.	16			
17		40	30	NW.	28					
18	116.2	48	22	S.	16	SW.	22			
19	112.5	55	40	W.	22	W.	10			
20	114.2	36	32	NE.	10	SE.	16			Trace
21	97.3	47	33	S.	10	W.	16		.12	
22	106.8	32	31	NW.	50	NW.	34		Trace	.02
23	118.5	23	18	NW.	10	W.	22			.01
24	119.5	30	18	NW.	16	N.	34			.01
25	116.2	10	4	NW.	28	NW.	22		.01	
26	106.2	12	2	NW.	34	NW.	34			.10
27	107.1	26	11	W.	34	W.	22		.04	.01



CHURCHILL METEOROLOGICAL REPORT, 1941—Cont.

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941					
Sept.					
1	Cloudy to overcast with rain		6	12	No ice in sight.
2	Clear to overcast		12	12	" "
3	Clear to partly cloudy		12	12	" "
4	Clear		12	12	" "
5	Partly cloudy; haze in evening		6	12	" "
6	Cloudy		12	12	" "
7	Cloudy to overcast		12	12	" "
8	Cloudy; rain in p.m.		12	$\frac{5}{8}$	" "
9	Rain; overcast		$\frac{5}{16}$	12	" "
10	Cloudy to clear		12	12	" "
11	Cloudy to clear		12	12	" "
12	Clear to cloudy		12	12	" "
13	Clear to overcast; light fog		12	$\frac{5}{16}$	" "
14	Cloudy; rain and fog		6	$\frac{5}{16}$	" "
15	Fog		$\frac{1}{8}$	$\frac{1}{8}$	" "
16	Fog; overcast p.m.		$\frac{1}{8}$	6	" "
17	Overcast		6	12	" "
18	Overcast; rain		12	6	" "
19	Clear a.m. then fog with rain		$\frac{1}{8}$	12	" "
20	Overcast; rain		$2\frac{1}{2}$	12	" "
21	Overcast to cloudy		$2\frac{1}{2}$	12	" "
22	Clear; light rain in a.m., then overcast		12	6	" "
23	Clear to cloudy		12	12	" "
24	Partly cloudy; precipitation within sight		12	12	" "
25	Overcast with snow		6	12	" "
26	Clear to overcast		12	12	" "
27	Cloudy with snow		12	$\frac{1}{8}$	" "
28	Light snow; overcast to partly cloudy		12	12	" "
29	Clear to partly cloudy		12	12	" "
30	Partly cloudy to overcast, snow in p.m.		12	12	" "
Oct.					
1	Overcast.....	Cloudy.....			No ice in sight.
2	Clear.....	Cloudy.....			" "
3	Overcast.....	Fair.....			" "
4	Cloudy.....	Snow.....			" "
5	Overcast.....	Cloudy.....			" "
6	Overcast.....	Cloudy.....	20		" "
7	Overcast.....	Overcast.....		20	" "
8	Cloudy.....	Overcast.....		20	" "
9	Overcast.....	Cloudy.....		20	" "
10	Overcast.....	Fair.....		20	" "
11	Snow.....	Cloudy.....		2	" "
12	Cloudy.....				" "
13	Cloudy.....	Rain.....	20	4	" "
14	Overcast.....	Cloudy.....		20	" "
15	.....	Cloudy.....		20	" "
16	Overcast.....	Cloudy.....		20	" "
17	Overcast.....				" "
18	Fair.....	Fair.....	20	20	" "
19	Clear.....	Fair.....	20	20	" "
20	Overcast.....	Rain.....			" "
21	Overcast.....	Cloudy.....			" "
22	Snow.....	Overcast.....			" "
23	Overcast.....	Overcast.....			" "
24	Clear.....	Snow.....		4	" "
25	Snow.....	Overcast.....			" "
26	Overcast.....	Snow.....			" "
27	Overcast.....	Overcast.....			" "



CHURCHILL METEOROLOGICAL REPORT, 1941—*Conc.*

Date	Mean Baro- meter 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 October										
28.....	116.8	19	17	NW.	16	NW.	16			
29.....	119.2	17	9	W.	16	W.	16			
30.....	111.3	30	12	SW.	4	SW.	10			
31.....	105.9	30	28	NW.	4	C.	0			.01
November										
1.....	103.9	35	25	S.	12	S.	12		.01	
2.....	104.5	32	32	N.	6	N.	22			.02
3.....	115.5	29	25	NE.	28	NE.	28		.01	.03
4.....	126.9	25	24	NE.	28	N.	28		.01	
5.....	123.9	18	11	W.	12	SE.	12			
6.....		18	1			N.	4			
7.....	129.2	24	18	N.	12	N.	16			.01
8.....	127.3	27	25	NE.	12	NE.	6			
9.....	114.8	23	13	S.	6	S.	22			
10.....	111.6	18	18	NW.	36	NW.	36		.01	
11.....	116.4	9	1	NW.	36	N.	16			
12.....	107.1	15	5	W.	4	SE.	22			
13.....	104.1	20	14	NW.	16	NW.	28			
14.....	105.4	25	15	S.	6	E.	42			.01
15.....	119.2	17	17	N.	28	NW.	22			.01
16.....	120.4	14	0	SW.	16	S.	22			
17.....	114.1	22	13	S.	6	S.	12			
18.....	115.5	23	21	N.	12	NW.	12			
19.....	122.5	7	2	NW.	22	NW.	22		.01	.02
20.....	117.7	6	- 6	W.	12	W.	12			
21.....	122.1	- 4	- 4	N.	36	NW.	28		.01	
22.....	118.9	- 8	-19	W.	16	S.	22			
23.....	104.1	3	-12	SW.	22	SW.	22			Trace
24.....	94.7	19	8	W.	22	SE.	22		.01	.01
25.....	87.1	19	12	NW.	28	N.	42		Trace	
26.....	113.1	-17	-21	W.	22	W.	22			
27.....	116.2	-11	-19	NW.	16	W.	22			
28.....	118.3	-13	-18	W.	28	W.	28			
29.....	123.6	- 8	-13	NW.	42	NW.	36			
30.....	127.9	1	-11	C.	0	SE.	28			.01



CHURCHILL METEOROLOGICAL REPORT, 1941—*Conc.*

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941 Oct.					
28	Overcast.....	Cloudy.....			Loose ice extending to about $\frac{1}{2}$ mile off shore.
29	Clear.....	Fair.....			Close packed ice extending to about 1 mile off shore.
30	Fair.....	Cloudy.....		20	Loose ice extending to about 1 mile off shore.
31	Overcast.....	Overcast.....			Floe ice on horizon.
Nov.					
1	Overcast.....	Cloudy.....	12	30	Close packed ice to horizon.
2	Overcast.....	Snow.....	30	6	" "
3	Overcast.....	Snow.....	12	$1\frac{1}{4}$	" "
4	Overcast.....	Overcast.....	7	30	" "
5	Clear.....	Clear.....	30	30	" "
6	.....	Overcast.....		12	" "
7	Overcast.....	Snow.....	12	12	" "
8	Clear.....	Overcast.....	30	12	" "
9	Overcast.....	Overcast.....	$2\frac{1}{2}$	12	" "
10	Cloudy.....	Cloudy.....	12	30	" "
11	Fair.....	Cloudy.....	30	30	" "
12	Overcast.....	Overcast.....	12	6	" "
13	Overcast.....	Overcast.....	12	12	No ice in sight.
14	Overcast.....	Overcast.....	12	$\frac{5}{16}$	Loose ice along shore.
15	Overcast.....	Snow.....	6	$2\frac{1}{2}$	Close packed ice to horizon.
16	Overcast.....	Fair.....	12	30	Loose packed ice to horizon.
17	Overcast.....	Overcast.....	12	30	Few loose patches of ice.
18	Cloudy.....	Overcast.....	30	30	Loose ice to horizon.
19	Clear.....	Overcast.....	30	12	Close packed ice to horizon.
20	Clear.....	Overcast.....	30	30	Strip of water then ice to horizon.
21	Overcast.....	Overcast.....	12	12	Close packed ice to horizon.
22	Clear.....	Fair.....	30	30	" "
23	Overcast.....	Snow.....	12	$2\frac{1}{2}$	All open water. No ice in sight.
24	Overcast.....	Snow.....	12	$2\frac{1}{2}$	Strings open ice.
25	Overcast.....	Overcast.....	12	12	Visibility obscured due heavy snow.
26	Clear.....	Clear.....	30	30	Close packed ice to horizon.
27	Clear.....	Overcast.....	30	30	" "
28	Clear.....	Clear.....	30	30	" "
29	Overcast.....	Overcast.....	12	12	" "
30	Overcast.....	Snow.....	12	6	" "



CHESTERFIELD INLET METEOROLOGICAL REPORT, 1941

Date	Mean Barometer 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 July										
1		52	35			S.	10			
2	115.3	61	37	NE.	12	S.	6			
3		69	43			NW.	16			
4		62	42	NE.	10					
5	112.0	52	45	Calm		SE.	16			
6	105.4	40	37	NW.	12	NW.	16			
7	106.1	51	43	N.	4	S.	6			
8	109.3	54	37	NW.	16	NW.	16			
9	110.1	58	38	NW.	12	NW.	12			
10	108.6	52	41	NE.	12	SE.	6			
11	104.9	58	43	SW.	12	S.	16			.20
12	110.3	51	37	N.	12	S.	16	{ Fog a.m. }		
13		50	35	S.	12				.03	
14	102.7	54	35	NW.	16	NW.	22		.66	
15	107.8	55	40	NW.	16	NW.	16			
16		57	42	N.	6					
17		60	43			N	12			
18		62	44							
19	101.1	55	48	SW.	16	SW.	16			.08
20	102.3	62	42	NW.	16	SE.	6		.02	
21	107.1	63	42	S.	12	SE.	12			
22	105.2	49	39	S.	6	E.	16			
23	104.6	69	41	NW.	10	S.	4			
24	110.8	50	42	E.	12	S.	12			
25	110.6	75	44	S.	12	SW.	22			
26	106.2	64	45	S.	22	S.	16			
27	106.8	62	45	NW.	22	NW.	22		.03	
28	117.3	54	45	N.	6	E.	12		.13	
29	115.8	45	39	SE.	6	E.	12		.03	.08
30	112.5	41	39	SE.	12	E.	12		.22	.10
31	113.7	41	38	SE.	12	SE.	6	{ Fog a.m. p.m. }	.09	
August										
1	115.0	42	38	S.	6	SE.	12			.06
2	110.9	50	39	S.	22	S.	16		.21	
3	115.7	53	38	S.	6	NW.	16			.19
4	125.9	46	39	W.	6	SW.	16			
5		52	39			SE.	28			.19
6	105.6	53	42	NW.	28	NW.	28		.04	
7	109.1	53	43	SW.	22	NW.	32			
8	102.2	47	41	NW.	12	NW.	6		.05	.05
9	102.8	50	38	NW.	22	NW.	16		.01	
10		52	36	NW.	12					
11	110.2	58	45	NW.	12	NW.	22			
12	110.3	53	41	NW.	12	NW.	16			
13	108.7	56	42	NW.	16	NW.	16			
14	110.8	55	38	NW.	12	N.	16			
15	108.1	57	39	NW.	22	NW.	22			
16	108.0	53	43	NW.	12	NW.	22			
17	108.5	55	42	NW.	12	S.	6			
18		51	38			NW.	16			
19	104.5	51	41	NW.	12	N.	6		.17	
20		50	39	NW.	12					
21	101.1	45	41	N.	6	E.	12			
22	109.2	50	39	NE.	12	N.	12			
23	106.3	44	41	NW.	16	NE.	12		.05	.03
24	104.7	43	40	NE.	16	E.	16		.16	.06
25	117.8	44	40	NE.	4	C.	0		.02	
26	115.8	53	42	NW.	12	NW.	12			
27	111.4	49	40	NW.	12	C.	0			
28	107.3	49	35	N.	22	N.	6		.20	.01
29	102.5	44	37	SE.	12	SE.	16		.06	.22
30		52	34			NE.	16			.02
31	110.3	56	39	NW.	12	SW.	22		.01	



CHESTERFIELD INLET METEOROLOGICAL REPORT, 1941

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941 July					
1	Clear.....			40	.....
2	Clear.....	Fair.....	30	12	.....
3	.....	Fair.....		30	No ice in harbour, scattered in sight.
4	Clear.....		12		.....
5	Cloudy.....	Fair.....	6	12	.....
6	Fair.....	Fair.....	12	12	.....
7	Cloudy.....	Clear.....	6	30	.....
8	Fair.....	Clear.....	12	12	.....
9	Clear.....	Fair.....	30	12	No ice, seven miles.
10	Cloudy.....	Clear.....	6	12	No ice.
11	Cloudy.....	Cloudy.....	6	6	"
12	Overcast.....	Cloudy.....	$\frac{1}{4}$	6	No ice to horizon.
13	Rain.....		$2\frac{1}{2}$		.....
14	Overcast.....	Fair.....	$2\frac{1}{2}$	12	.....
15	Fair.....	Cloudy.....	12	12	.....
16	Cloudy.....		6		.....
17	.....	Fair.....		30	.....
18	.....				.....
19	Clear.....	Rain.....	22	$2\frac{1}{2}$	.....
20	Fair.....	Fair.....	6	22	.....
21	Clear.....	Overcast.....	22	22	.....
22	Overcast.....	Fair.....	12	22	.....
23	Cloudy.....	Cloudy.....	12	12	.....
24	Cloudy.....	Clear.....	12	22	.....
25	Cloudy.....	Cloudy.....	12	12	.....
26	Cloudy.....	Cloudy.....	6	6	.....
27	Overcast.....	Cloudy.....	$2\frac{1}{2}$	6	.....
28	Overcast.....	Overcast.....	6	6	.....
29	Rain.....	Rain.....	$2\frac{1}{2}$	$1\frac{1}{4}$	.....
30	Rain.....	Rain.....	$1\frac{1}{4}$	$1\frac{1}{4}$	.....
31	Overcast.....	Overcast.....	$\frac{5}{8}$	$\frac{5}{8}$	.....
Aug.					
1	Overcast.....	Rain.....	12	6	No ice in sight.
2	Overcast.....	Cloudy.....	6	$1\frac{1}{4}$	" "
3	Cloudy.....	Cloudy.....	$2\frac{1}{2}$	30	" "
4	Cloudy.....	Fair.....	30	30	" "
5	.....	Rain.....		30	" "
6	Cloudy.....	Fair.....	12	30	" "
7	Cloudy.....	Cloudy.....	12	30	" "
8	Rain.....	Cloudy.....	6	30	" "
9	Rain.....	Cloudy.....	12	30	" "
10	Fair.....		30		" "
11	Cloudy.....	Cloudy.....	$12\frac{1}{2}$	30	" "
12	Cloudy.....	Cloudy.....	30	30	" "
13	Cloudy.....	Clear.....	30	30	" "
14	Cloudy.....	Cloudy.....	30	30	" "
15	Cloudy.....	Fair.....	30	30	" "
16	Cloudy.....	Cloudy.....	30	30	" "
17	Cloudy.....	Cloudy.....	12	6	" "
18	.....	Cloudy.....		12	" "
19	Cloudy.....	Cloudy.....	12	6	" "
20	Fair.....		30		" "
21	Overcast.....	Cloudy.....	12	12	" "
22	Overcast.....	Cloudy.....	12	30	" "
23	Rain.....	Overcast.....	$1\frac{1}{4}$	12	" "
24	Rain.....	Overcast.....	$2\frac{1}{2}$	12	" "
25	Overcast.....	Overcast.....	6	6	" "
26	Cloudy.....	Cloudy.....	12	30	" "
27	Cloudy.....	Overcast.....	30	30	" "
28	Rain.....	Cloudy.....	6	30	" "
29	Rain.....	Rain.....	6	6	" "
30	.....	Rain.....		6	" "
31	Overcast.....	Fair.....	12	30	" "



## CHESTERFIELD INLET METEOROLOGICAL REPORT, 1941—Cont.

Date	Mean Baro- meter 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 September										
1		47	38			SE.	42			.16
2	103.4	46	33	NW.	16	W.	16		.15	.01
3	108.0	49	35	W.	16	SW.	6		.01	.02
4	115.0	45	39	C.	0	N.	16			
5	119.5	45	30	N.	10	C.	0			
6	116.8	49	31	N.	6	S.	6			
7	119.2	39	34	S.	8	NW.	16			
8	123.6	38	32	N.	10	NW.	10			
9	125.7	39	33	NW.	10	C.	0			
10	122.8	42	34	C.	0	S.	16			
11	116.0	43	33	S.	22	S.	16			.03
12	112.7	48	37	C.	0	SE.	10			
13	110.4	45	36	SE.	6	E.	16			
14	111.7	41	35	E.	10	E.	6	Fog		
15	116.5	41	35	E.	6	E.	10			
16	124.5	40	34	E.	16	NE.	10			
17	128.0	39	30	NE.	6	C.	0			
18		35	27	SW.	6					
19		37	33	NE.	16				.20	
20		38	33	NE.	10				.01	
21		44	33			S.	16			
22	104.9	42	34	S.	28	SE.	28			.01
23	93.5	35	23	NW.	22	NW.	10		.10	.03
24	104.5	41	27	NW.	22	NW.	16		.01	
25	102.5	30	24	W.	16	W.	22			.20
26	98.7	30	24	N.	16	W.	10		.05	.02
27	99.8	30	20	E.	10	N.	16		.01	.01
28	103.7	26	20	NW.	28	NW.	22			
29	103.3	26	20	NW.	16	NW.	28			
30	106.5	32	23	NW.	28	NW.	22			
October										
1	110.7	27	24	NW.	16	SW.	10			
2	102.9	36	24	SW.	10	S.	28			.16
3	98.2	22	16	W.	22	SW.	16			
4	100.6	26	15	NE.	22	N.	28			
5	109.7	24	19	N.	28	NW.	16			
6	117.2	26	8	W.	6	C.	0			
7	121.3	26	13	E.	6	NE.	6			
8		29	8	W.	4					
9	115.6	32	25	S.	6	NW.	10		.05	.04
10		20	10	W.	10				.02	
11		22	13							
12		23	10							
13		25	15							
14		24	16							
15		30	20							
16		29	18							
17		23	16							
18		22	13							
19		25	15							
20		20	15							
21	97.5	32	11	SE.	28	SE.	28			.30
22	103.2	32	25	NE.	28	NW.	28		.10	.02
23	112.2	16	8	N.	22	W.	16			
24	111.8	5	-2	NW.	28	NW.	22			
25	106.1	9	-2	NW.	22	NW.	28			
26	90.3	15	8	NW.	42	N.	28			
27	106.2	28	23	NE.	22	N.	16		.01	
28	108.8	35	8	NW.	16	W.	16		.04	
29	107.4	13	4	NW.	28	NW.	22			
30	108.8	8	0	NW.	16	W.	10			
31	102.9	7	1	NW.	10	W.	6			



## CHESTERFIELD INLET METEOROLOGICAL REPORT, 1941—Cont.

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941 Sept.					
1		Rain.....		2½	No ice in sight.
2	Overcast.....	Fair.....	20		" "
3	Rain.....	Cloudy.....		10	" "
4	Cloudy.....	Fair.....	20		" "
5	Clear;.....	Clear.....	20		" "
6	Fair.....	Fair.....	20	20	" "
7	Fair.....	Overcast.....	20	20	" "
8	Overcast.....	Cloudy.....	10		" "
9	Overcast.....	Cloudy.....	20		" "
10	Overcast.....	Cloudy.....	10	20	" "
11	Overcast.....	Cloudy.....	10		" "
12	Cloudy.....	Fair.....			" "
13	Fair.....	Fair.....	20	20	" "
14	Cloudy.....	Cloudy.....	0	10	" "
15	Overcast.....	Cloudy.....	10	20	" "
16	Overcast.....	Fair.....	10	20	" "
17	Fair.....	Fair.....	20		" "
18	Cloudy.....		20		" "
19	Rain.....				" "
20	Overcast.....		4		" "
21		Cloudy.....		20	" "
22	Cloudy.....	Cloudy.....	4	4	" "
23	Snow.....	Overcast.....	4		" "
24	Overcast.....	Overcast.....	10	10	" "
25	Overcast.....	Snow.....	10	½	" "
26	Snow.....	Overcast.....	4	10	Lakes Freezing.
27	Snow.....	Overcast.....	4	10	Lakes mostly covered.
28	Overcast.....	Overcast.....	1	10	.....
29	Overcast.....	Overcast.....	10	10	.....
30	Overcast.....	Cloudy.....		10	Lake ice two inches.
Oct.					
1	Overcast.....	Cloudy.....	10		.....
2	Overcast.....	Snow.....	10	4	.....
3	Overcast.....	Cloudy.....	10		.....
4	Overcast.....	Overcast.....	10		.....
5	Overcast.....	Cloudy.....			.....
6	Overcast.....	Overcast.....			Lake ice four inches.
7	Overcast.....	Overcast.....	4	10	" "
8	Overcast.....				" "
9	Snow.....	Snow.....	10	10	" "
10	Overcast.....				" "
11					" "
12					" "
13					" "
14					" "
15					Lake ice eight inches.
16					.....
17					.....
18					.....
19					.....
20					.....
21	Overcast.....	Snow.....	10		.....
22	Snow.....	Cloudy.....	4	20	.....
23	Clear.....	Overcast.....	20	10	.....
24	Overcast.....	Cloudy.....		2	.....
25	Cloudy.....	Overcast.....			Slob ice forming on sea.
26	Overcast.....	Overcast.....			Not reported.
27	Snow.....	Cloudy.....	10		Floating slob along shore.
28	Cloudy.....	Fair.....	20		Slob ice from shore to harbour reef.
29	Overcast.....	Fair.....		4	.....
30	Clear.....	Cloudy.....	20	10	Harbour frozen from Hudson Bay Post to station point.
31	Clear.....	Cloudy.....		2	Slob ice on shore, no other ice in sight.



## CHESTERFIELD INLET METEOROLOGICAL REPORT, 1941—Cont.

Date	Mean Baro- meter 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 November										
1.....	106.8	27	5	C.	0	S.	12			.02
2.....	103.5	29	24	SE.	12	NW.	28		.20	.05
3.....	121.0	7	-5	NW.	16	NW.	16		.10	
4.....			0	NW.	16					
5.....	123.0	25	-7	NW.	12	E.	6			
6.....	124.5	20	18	N.	12	NW.	6			
7.....	131.6	5	0	NW.	6	NW.	6			
8.....	128.1	20	1	W.	4	C.	0			
9.....	114.3	25	18	C.	0	SE.	12			
10.....			23	S.	16					
11.....	111.7	3	2	NW.	36	NW.	16		.17	.04
12.....	111.9	5	-10	N.	12	NE.	16			
13.....	111.0	9	-10	E.	22	N.	16		.10	
14.....	115.5	-10	-13	N.	16	NW.	16			
15.....	117.1	-15	-16	NW.	16	NW.	16			
16.....	113.4	9	-22	S.	6	SW.	6			.01
17.....	110.7	-1	-2	W.	6	NW.	12		.07	
18.....	113.1	13	-14	N.	3	NE.	22		.10	.15
19.....	122.5	-8	-12	N.	16	NW.	12			
20.....	112.9	-4	-28	SW.	4	W.	12			.05
21.....	113.3	-20	-20	NW.	28	NW.	28		.02	
22.....	114.7	-26	-32	NW.	22	W.	6			
23.....	99.0	-10	-28	N.	6	SW.	6			
24.....	96.0	-17	-20	NW.	22	NW.	16			
25.....	92.1	-18	-24	NE.	36	NW.	36		.05	.15
26.....	99.2	-29	-38	NW.	28	W.	16			
27.....	103.5	-21	-32	W.	16	W.	16			
28.....	94.3	-17	-29	W.	28	W.	28			
29.....	111.5	-30	-30	NW.	36	NW.	16			
30.....	123.6	-20	-36	NW.	6	C.	0			



CHESTERFIELD INLET METEOROLOGICAL REPORT, 1941—*Cont.*

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941 Nov.					
1	Overcast.....	Snow.....	30	6	Small amount of slob ice along shore.
2	Snow.....	Fair.....	2½	12	“ “ “ “
3	Fair.....	Cloudy.....	30	30	“ “ “ “
4	Fair.....	.....	30	.....	“ “ “ “
5	Overcast.....	Cloudy.....	12	30	“ “ “ “
6	Overcast.....	Clear.....	12	30	“ “ “ “
7	Clear.....	Clear.....	30	12	Harbour frozen second time from Hudson Bay Post to station point.
8	Clear.....	Overcast.....	30	.....	.....
9	Overcast.....	Overcast.....	12	12 <sup>5</sup> / <sub>8</sub>	Scattered slob in harbour.
10	Overcast.....	.....	12	.....	Floating slob ice along shore, no other ice in sight.
11	Snow.....	Fair.....	6	30	“ “ “ “ “ “
12	Clear.....	Overcast.....	30	30	“ “ “ “ “ “
13	Snow.....	Overcast.....	2½	30	“ “ “ “ “ “
14	Clear.....	Clear.....	30	30	Sea frozen from point mile and half from station to islands Shukpik and Fairway eight miles from station inlet, still open water for about 60 miles. Sea ice unchanged.
15	Clear.....	Fair.....	30	30	“ “
16	Clear.....	Snow.....	12	6	“ “
17	Clear.....	Clear.....	30	30	“ “
18	Snow.....	Overcast.....	6	12	“ “
19	Clear.....	Clear.....	30	30	“ “
20	Clear.....	Snow.....	30	2½	“ “
21	Clear.....	Clear.....	30	30	“ “
22	Clear.....	Fair.....	30	30	“ “
23	Overcast.....	Clear.....	12	30	“ “
24	Clear.....	Clear.....	30	30	“ “
25	Snow.....	Clear.....	2½	30	“ “
26	Clear.....	Clear.....	30	30	“ “
27	Clear.....	Overcast.....	30	6	“ “
28	Overcast.....	Overcast.....	0	0	“ “
29	Cloudy.....	Clear.....	.....	12	“ “
30	Clear.....	Fair.....	30	30	“ “



## PORT HARRISON METEOROLOGICAL REPORT, 1941

Date	Mean Baro- meter 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 July										
1.....	108.2	63	29	NNE.	6	NNe.	12	Fog a.m.		
2.....	111.0	54	39	N.	14	NNW.	15			
3.....	115.5	39	31	NNW.	3	SW.	10	Fog p.m.		
4.....	108.5	39	31	SSW.	15	SSE.	20	Fog a.m.		
5.....	105.1	42	31	W.	16	NW.	12	Fog a.m.	Trace	.01
6.....	111.2	49	34	NNW.	12	NW.	12	Fog a.m.	.04	Trace
7.....	112.2	44	32	SW.	12	SW.	18			Trace
8.....	105.6	53	34	SSE.	24	NNE.	10		.04	.18
9.....	107.5	54	37	N.	9	NNW.	18			
10.....	107.4	54	36	NNE.	18	N.	16			
11.....	113.0	50	34	NNW.	9	NW.	14			
12.....	112.9	48	33	SSW.	12	SSE.	18		.01	.01
13.....	113.7	49	37	SSE.	7	S.	18	Fog p.m.		
14.....	107.6	50	36	SSW.	12	WSW.	24	Fog p.m.		
15.....	112.6	43	34	WSW.	14	WSW.	12			.01
16.....	109.6	47	37	SW.	10	SSW.	7			
17.....	104.2	55	37	N.	12	NNW.	12			
18.....	106.9	55	36	N.	14	WNW.	12	Fog p.m.		
19.....	111.7	60	34	NNE.	6	N.	12	Fog a.m.		
20.....	107.6	59	40	C.	0	SE.	6			.01
21.....	102.5	69	50	E.	18	E.	12		.02	
22.....	98.2	63	52	E.	18	SSE.	14	Fog p.m.		.06
23.....	97.5	46	30	SW.	21	WSW.	22	Fog	.03	.01
24.....	106.1	61	38	NW.	12	N.	24	p.m.		
25.....	117.1	62	36	NNE.	9	NNW.	14			
26.....	118.5	64	38	NNE.	7	N.	6			
27.....	115.1	67	45	NE.	9	SW.	6			
28.....	115.4	62	40	NNE.	2	W.	6			
29.....	112.4	70	47	ENE.	12	NE.	12			
30.....	110.5	68	54	E.	21	E.	20			
31.....	113.2	68	48	E.	18	E.	12			
August										
1.....	119.1	71	45	NE.	6	E.	12			
2.....	122.9	72	49	NE.	6	N.	4			
3.....	119.7	67	55	SE.	16	W.	12			
4.....		65	54			N.	22			
5.....										
6.....	110.2	51	43	S.	12	NW.	16		Trace	Trace
7.....	111.9	55	41	NW.	22	W.	12		.01	
8.....	110.3	48	41	W.	12	SW.	12	Fog a.m.		
9.....	104.4	49	43	W.	12	NW.	16	Fog p.m.	.01	Trace
10.....			40	W.	6				.02	
11.....	97.9	52	38	W.	16	N.	22			
12.....			33	NE.	16					
13.....			39	N.	16					
14.....		45	42	NW.	22	NW.	28			
15.....	104.1	45	38	W.	16	W.	12		.01	.20
16.....	105.6	46	36	W.	12	SW.	12	Fog p.m.		.10
17.....	105.1	46	37	NW.	12	NW.	16		Trace	Trace
18.....	103.3	46	37	W.	12	S.	28			.15
19.....	103.3	46	38	NW.	16	W.	12			



## PORT HARRISON METEOROLOGICAL REPORT, 1941

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941 July					
1	Foggy to clear		$\frac{5}{16}$	12	A few scattered ice cakes along banks of river, ice visible on horizon of Hudson Bay.
2	Clear to partly cloudy		12	6	.....
3	Mist; overcast		$\frac{5}{8}$	12	Heavy ice reported to Northward in Hudson Bay. River clear of ice.
4	Fog; overcast		$\frac{5}{16}$	$2\frac{1}{2}$	.....
5	Overcast; fog in a.m.		$2\frac{1}{2}$	6	Field ice to the West and South in Bay.
6	Mist; rain; overcast		$\frac{5}{8}$	12	.....
7	Cloudy to overcast with rain		12	6	Ice seen in all directions.
8	Partly cloudy to overcast		$2\frac{1}{2}$	12	Ice extending to horizon West and Southwest.
9	Cloudy to overcast		12	12	Loose ice visible West and South.
10	Cloudy to clear		12	12	.....
11	Overcast to partly cloudy		12	$1\frac{1}{4}$	No ice in sight in Hudson Bay.
12	Overcast with rain		$2\frac{1}{2}$	6	Loose ice along shore of Bay.
13	Overcast; fog		6	$\frac{5}{16}$	Heavy ice reported to the North in Hudson Bay.
14	Clear to overcast; fog		6	$\frac{5}{16}$	Heavy ice reported to the North.
15	Overcast to cloudy		$2\frac{1}{2}$	12	.....
16	Overcast to partly cloudy		12	6	.....
17	Cloudy to partly cloudy		12	12	Loose ice scattered about the Bay.
18	Clear to cloudy		12	6	.....
19	Foggy to clear		$\frac{1}{8}$	30	.....
20	Partly cloudy to overcast		12	12	.....
21	Overcast		6	12	No ice in sight in the Bay.
22	Overcast; rain		12	$\frac{5}{16}$	.....
23	Foggy; rain		$\frac{5}{16}$	$1\frac{1}{4}$	.....
24	Overcast to clear		$1\frac{1}{4}$	12	.....
25	Clear to partly cloudy		12	12	No ice in sight.
26	Clear to partly cloudy		12	12	.....
27	Partly cloudy to overcast		12	12	.....
28	Clear to cloudy		12	12	.....
29	Overcast to cloudy		6	12	.....
30	Partly cloudy to cloudy		12	12	.....
31	Clear		12	12	No ice in sight in Bay.
Aug.					
1	Fair.....	Fair.....	30	30	No ice visible.
2	Clear.....	Fair.....	30	30	" "
3	Cloudy.....	Cloudy.....	22	12	" "
4	.....	Clear.....	.....	30	" "
5	.....	.....	.....	.....	" "
6	Cloudy.....	Cloudy.....	12	12	" "
7	Cloudy.....	Cloudy.....	6	6	" "
8	Cloudy.....	Cloudy.....	$\frac{5}{8}$	6	" "
9	Cloudy.....	Cloudy.....	$2\frac{1}{2}$	$2\frac{1}{2}$	" "
10	Rain.....	.....	$2\frac{1}{2}$	.....	" "
11	Fair.....	Cloudy.....	$12\frac{1}{2}$	12	" "
12	Cloudy.....	.....	$2\frac{1}{2}$	.....	" "
13	Cloudy.....	.....	6	.....	" "
14	Overcast.....	Cloudy.....	.....	12	" "
15	Rain.....	Cloudy.....	6	6	" "
16	Cloudy.....	Rain.....	12	$1\frac{1}{4}$	" "
17	Rain.....	Cloudy.....	$2\frac{1}{2}$	$2\frac{1}{2}$	" "
18	Cloudy.....	Rain.....	6	12	" "
19	Overcast.....	Cloudy.....	6	6	Considerable floe ice along shore reported between Port Harrison and Povungnetuk.



## PORT HARRISON METEOROLOGICAL REPORT, 1941—Cont.

Date	Mean Barometer 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941										
August										
20.....	106.1	47	39	W.	12	S.	6			
21.....	105.4	43	39	N.	4	SE.	28			
22.....	104.8	45	38	SW.	28	SW.	12	Fog a.m. p.m.	Trace	
23.....	103.0	46	39	NW.	6	SW.	12			
24.....	106.5	47	39	S.	12	S.	12			
25.....	112.6	53	36	NE.	6	NE.	16			
26.....	109.6	60	34	NE.	6	N.	12			
27.....	109.6	52	49	NE.	6	NE.	4			Trace
28.....	112.6	53	44	W.	4	SW.	12	Fog p.m. Fog a.m.	Trace	
29.....	114.2	50	40	W.	12	W.	12			
30.....		49	41			SW.	22			
31.....	111.3	50	45	NW.	12	N.	16		.03	.05
September										
1.....	113.1	48	33	NE.	4	W.	10		.20	
2.....	110.6	48	34	S.	28	NW.	3			.40
3.....	119.9	38		NW.	6	W.	10			
4.....	121.3	40	40	SW.	16	N.	22			
5.....	111.1	58	39	NE.	16	NE.	30			
6.....	95.7	47	46	NE.	34	E.	34		Trace	
7.....	102.5	49	41	NE.	34	N.	28			
8.....	120.7	47	39	NW.	16	N.	16			
9.....	128.2	43	35	N.	4	E.	10			
10.....	117.5	51	36	W.	16	NE.	28			Trace
11.....	120.2	40	33	N.	16	N.	16		Trace	
12.....	122.3	44	30	N.	10	NW.	10			
13.....	115.9	44	36	W.	16	SE.	10			
14.....	108.8	53	36	E.	16	NE.	16			
15.....	112.9	53	31	NE.	10	N.	10			
16.....	113.5	47	37	NE.	10	NE.	22		.01	.02
17.....	117.9	47	34	N.	28	N.	22			
18.....			20	N.	10					
19.....			28	S.	28				.01	
20.....										
21.....		42	36			NE.	10			
22.....		40	34			E.	10			
23.....	110.5	36	36	W.	6	C.	0		.08	.01
24.....	106.9	42	34	W.	22	NW.	16		.02	Trace
25.....	103.4	39	32	N.	10	NW.	10			
26.....	96.5	41	25	C.	0	SE.	6			
27.....	102.5	39	32	NW.	16	W.	16			
28.....	100.1	39	31	SW.	10	NW.	16		.01	.01
29.....	101.0	35	29	NW.	16	SW.	16		.03	.01
30.....	92.9	36	23	NW.	6	NW.	16		.02	.02
October										
1.....	108.5	37	32	N.	16	N.	16			.04
2.....	118.7	39	27	W.	6	S.	16			
3.....	105.2	39	34	SW.	16	N.	10			.03
4.....	107.0	36	30	NW.	10	SW.	10		.04	
5.....	104.4	36	30	SE.	6	NW.	16		.05	
6.....	116.2	38	31	NW.	16	NW.	10		.02	.01
7.....	114.8	36	31	NW.	6	NE.	16			Trace
8.....	113.4	36	26	N.	16	N.	10			.01
9.....			27	NW.	6				.01	
10.....	115.5	35	28	NE.	6	NE.	6		.01	
11.....			26	NE.	10					
12.....			28	N.	10				.01	
13.....	116.2	33	30	NW.	10	SE.	10		Trace	
14.....	94.3	34	31	E.	28	NE.	42		Trace	Trace
15.....	103.2	30	26	NE.	28	N.	22			



## PORT HARRISON METEOROLOGICAL REPORT, 1941—Cont.

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941					
Aug.					
20	Cloudy.....	Cloudy.....	12	12	.....
21	Cloudy.....	Overcast.....	12	12	.....
22	Cloudy.....	Fair.....	6	2½	.....
23	Fair.....	Overcast.....	6	6	.....
24	Overcast.....	Fair.....	2½	12	.....
25	Cloudy.....	Cloudy.....	12	12	.....
26	Fair.....	Cloudy.....	1¼	12	.....
27	Cloudy.....	Cloudy.....	12	12	.....
28	Overcast.....	Cloudy.....	12	1¼	.....
29	Overcast.....	Fair.....	⅝	12	.....
30	.....	Cloudy.....	.....	12	.....
31	Rain.....	Fair.....	1¼	30	.....
Sept.					
1	Overcast.....	Clear.....	—	10	.....
2	Fair.....	Rain.....	10	.....	.....
3	Fair.....	Fair.....	10	10	.....
4	Cloudy.....	Clear.....	4	30	.....
5	Fair.....	Cloudy.....	10	.....	.....
6	Rain.....	Rain.....	4	4	.....
7	Cloudy.....	Cloudy.....	10	10	.....
8	Overcast.....	Cloudy.....	10	.....	.....
9	Cloudy.....	Cloudy.....	10	10	.....
10	Overcast.....	Cloudy.....	10	10	.....
11	Cloudy.....	Fair.....	.....	20	.....
12	Cloudy.....	Cloudy.....	10	10	.....
13	Cloudy.....	Fair.....	10	20	.....
14	Cloudy.....	Clear.....	10	10	.....
15	Fair.....	Cloudy.....	.....	10	.....
16	Cloudy.....	Rain.....	10	4	.....
17	Fair.....	Fair.....	10	.....	.....
18	Fair.....	.....	10	.....	.....
19	Rain.....	.....	4	.....	.....
20	.....	.....	.....	.....	.....
21	.....	Cloudy.....	.....	10	.....
22	.....	Cloudy.....	.....	10	.....
23	Overcast.....	Cloudy.....	20	.....	.....
24	Fair.....	Cloudy.....	10	10	.....
25	Cloudy.....	Cloudy.....	10	10	.....
26	Cloudy.....	Cloudy.....	10	10	.....
27	Fair.....	Cloudy.....	10	.....	.....
28	Cloudy.....	Fair.....	10	.....	.....
29	Cloudy.....	Fair.....	10	.....	.....
30	Cloudy.....	Snow.....	.....	4	.....
Oct.					
1	Overcast.....	Snow.....	10	1	.....
2	Cloudy.....	Cloudy.....	.....	.....	.....
3	Overcast.....	Cloudy.....	.....	2	.....
4	Overcast.....	Overcast.....	10	10	.....
5	Snow.....	Fair.....	.....	10	.....
6	Fair.....	Cloudy.....	.....	.....	.....
7	Overcast.....	Rain.....	.....	.....	.....
8	Fair.....	Snow.....	.....	2	.....
9	Cloudy.....	.....	10	.....	.....
10	Fair.....	Cloudy.....	1	.....	.....
11	Cloudy.....	.....	.....	.....	.....
12	Snow.....	.....	4	.....	.....
13	Cloudy.....	Cloudy.....	10	10	.....
14	Overcast.....	Cloudy.....	.....	4	.....
15	Overcast.....	Cloudy.....	.....	10	.....



## PORT HARRISON METEOROLOGICAL REPORT, 1941—Cont.

Date	Mean Baro- meter 900 mb. +	Air Temperature		Wind				Hours of Fog	Precipitation	
		Max.	Min.	8 a.m.		8 p.m.			a.m.	p.m.
				Dir.	Vel.	Dir.	Vel.			
1941 October										
16.....	114.4	34	25	N.	4	SW.	10			
17.....	113.9	36	33	S.	10	SE.	22		Trace	
18.....	117.8	39	27	NE.	6	SW.	6			
19.....	110.1	40	32	SW.	28	W.	16		.05	
20.....	111.5	34	33	W.	16	NW.	10			.01
21.....	104.1	32	28	NE.	6	S.	22			.02
22.....	87.0	37	30	W.	16	NW.	10		.05	
23.....	96.0	34	25	N.	10	NE.	22			
24.....	103.2	30	23	N.	10	N.	10			.02
25.....	92.5	26	16	N.	16	NW.	22		.01	.02
26.....	97.4	28	22	SW.	16	SW.	16		.02	.04
27.....	97.7	29	22	N.	10	SW.	22			
28.....	100.5	34	20	S.	28	NE.	6		.02	.01
29.....	112.7	31	12	NW.	22	W.	34		.02	.05
30.....	113.3	30	26	W.	16	W.	16		.02	.02
31.....	106.3	33	28	SW.	28	SW.	16		.02	.06
November										
1.....	107.9	32	28	C.	0	N.	12		.13	.02
2.....	113.4	24	11	NE.	12	NE.	16			
3.....	113.4	28	15	NE.	12	E.	28			
4.....	116.9	36	23	NW.	16	E.	22			.01
5.....	109.5	34	31	NE.	16	NE.	16			
6.....	112.6	27	24	N.	12	N.	6			
7.....	123.4	25	13	NE.	12	NE.	12			
8.....	118.7	28	14	NE.	12	NE.	16			
9.....	111.9	32	21	E.	12	E.	22	{ Fog a.m. }		
10.....	100.5	32	23	NE.	12	S.	12			.01
11.....	94.5	31	29	SW.	12	SW.	12		.01	.03
12.....	104.0	24	8	N.	6	NE.	10			
13.....	105.8	31	13	SE.	12	S.	16		.05	.15
14.....	100.9	28	23	SE.	16	NW.	22		.05	
15.....	102.7	13	13	E.	16	N.	22			
16.....	116.1	15	- 2	NE.	4	N.	16			
17.....	116.6	26	13	W.	22	W.	28			.08
18.....	115.8	28	23	NW.	12	NW.	12		.04	.03
19.....	113.2	29	24	W.	12	N.	6			.04
20.....	108.7	16	3	N.	6	NE.	12		.03	
21.....	104.2	8	- 6	N.	16	C.	0			
22.....	109.8	8	3	N.	16	NE.	6		.02	.01
23.....	110.0	18	2	NW.	6	SW.	28		.07	.05
24.....	98.3	25	14	SW.	36	SW.	16		.06	.07
25.....	81.1	30	14	S.	36	SW.	42		.04	.05
26.....	90.2	15	13	NW.	36	NW.	22		.04	.06
27.....	105.8	3	0	NW.	22	NW.	22		.05	.05
28.....	106.8	8	- 6	SE.	16	NW.	22		.04	.13
29.....			- 4	W.	36				.12	
30.....	119.6	-10	-10	NE.	16	NE.	4		.14	



## PORT HARRISON METEOROLOGICAL REPORT, 1941—Cont.

Date	General Weather		Visibility—Miles		Ice Conditions
	a.m.	p.m.	a.m.	p.m.	
1941 Oct.					
16	Overcast.....	Cloudy.....	10	10	.....
17	Overcast.....	Overcast.....	4	10	.....
18	Fair.....	Cloudy.....	10	10	.....
19	Cloudy.....	Fair.....	20	10	.....
20	Overcast.....	Overcast.....	4	.....	.....
21	Cloudy.....	Overcast.....	.....	.....	Ice forming on some of fresh water lakes. River and harbour clear.
22	Overcast.....	Overcast.....	.....	.....	.....
23	Overcast.....	Cloudy.....	.....	.....	.....
24	Fair.....	Cloudy.....	.....	1	.....
25	Fair.....	Cloudy.....	10	.....	.....
26	Cloudy.....	Cloudy.....	.....	.....	.....
27	Cloudy.....	Fair.....	10	.....	Ice forming along edges of river, harbour open.
28	Overcast.....	Fair.....	2	.....	.....
29	Cloudy.....	Snow.....	10	.....	.....
30	Fair.....	Snow.....	.....	1	.....
31	Snow.....	Snow.....	.....	.....	Fresh water lakes frozen over 1 to 2 inches thick, slight ice along shores of river broken by tide movement, no ice in harbour.
Nov.					
1	Snow.....	Overcast.....	2½	6	Thin ice forming along banks of river, harbour clear.
2	Overcast.....	Clear.....	12	30	.....
3	Cloudy.....	Fair.....	30	12	.....
4	Overcast.....	Fair.....	12	12	.....
5	Cloudy.....	Cloudy.....	6	6	.....
6	Fair.....	Fair.....	12	12	.....
7	Fair.....	Clear.....	30	30	.....
8	Fair.....	Clear.....	30	12	.....
9	Cloudy.....	Overcast.....	½	12	.....
10	Cloudy.....	Snow.....	12	2½	.....
11	Overcast.....	Snow.....	6	6	.....
12	Cloudy.....	Clear.....	12	30	.....
13	Snow.....	Overcast.....	6	½	.....
14	Cloudy.....	Cloudy.....	6	12	.....
15	Overcast.....	Cloudy.....	12	12	River frozen over in front of station, open water below, harbour clear.
16	Fair.....	Overcast.....	12	6	.....
17	Overcast.....	Overcast.....	12	1¼	.....
18	Cloudy.....	Fair.....	6	6	.....
19	Overcast.....	Fair.....	12	12	.....
20	Overcast.....	Fair.....	6	30	.....
21	Overcast.....	Fair.....	12	30	.....
22	Cloudy.....	Snow.....	6	2½	.....
23	Snow.....	Overcast.....	1¼	2½	.....
24	Overcast.....	Cloudy.....	12	6	.....
25	Fair.....	Overcast.....	12	12	.....
26	Overcast.....	Overcast.....	12	30	.....
27	Overcast.....	Cloudy.....	30	5/8	.....
28	Snow.....	Overcast.....	0	5/8	.....
29	Overcast.....	.....	.....	.....	.....
30	Fair.....	Clear.....	12	30	River frozen over to Hudson's Bay Dock with exception of few places open water formed by tide rips, harbour frozen along shore and island.



AIDS TO NAVIGATION IN HUDSON BAY AND STRAIT

RADIO COAST AND DIRECTION FINDING STATIONS

Station	Call Sign	Calling Wave		Working Wave		Position		Hours of Service	Coast Charge (a)
		(See footnote) K/cs.	Metres	K/cs.	Metres	Latitude N.	Longitude W.		
Port Churchill.....	V A P	500	600	500	600	58° 46' 32"	94° 10' 31"	Continuous during season of navigation.	6c. per word
Chesterfield Inlet.....	V B Z	500	600	500	600	63° 20' 05"	90° 42' 33"	Continuous during season of navigation.	6c. per word
Nottingham Island.....	V C B	500	600	500	600	63° 06' 48"	77° 56' 18"	Continuous during season of navigation.	6c. per word
Cape Hopes Advance.....	V A Y	500	600	500	600	61° 05' 12"	69° 33' 24"	Continuous during season of navigation.	6c. per word
Resolution Island.....	V A W	500	600	500	600	61° 18' 30"	64° 53' 24"	Continuous during season of navigation.	6c. per word

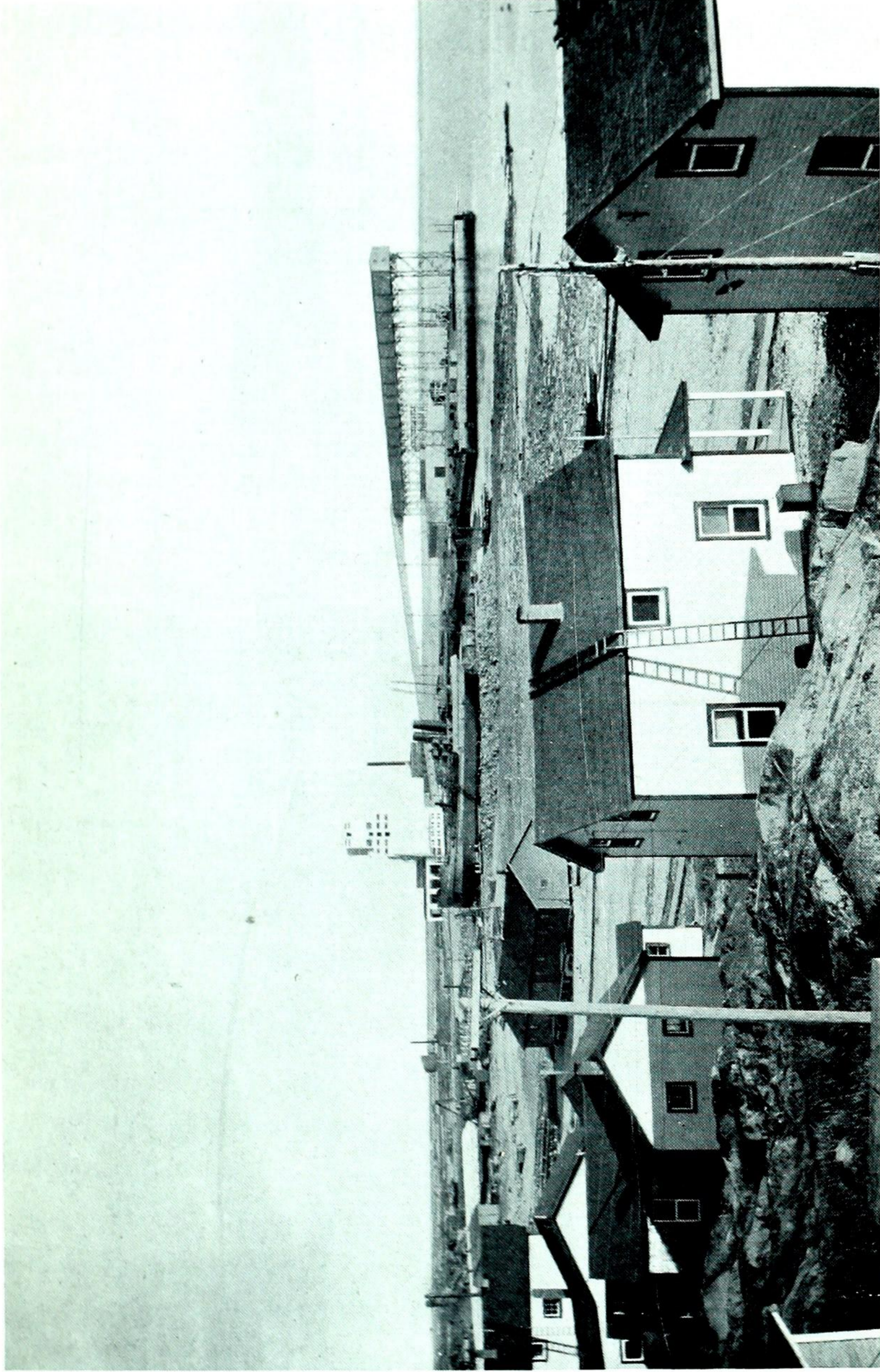
All stations maintain watch on 500 K/cs. (600 metres) and with the exception of Resolution island, take and transmit bearings on 375 K/cs. (800 metres) after communication has been established on 500 K/cs. (600 metres.). Resolution island takes bearings on 500 K/cs. (600 metres) and transmits bearings on 375 K/cs. (800 metres).

(a) All messages relative to navigation are handled free of charge. The six-cent per word coast charge applies to all other traffic. For forwarding charges beyond Port Churchill apply to any of above stations or see Canada Rate Sheet, International List of Coast and Ship Stations.

RADIO METEOROLOGICAL REPORTING STATION

Station	Call Sign	Calling Wave		Working Wave		Position		Hours of Service	Coast Charge
		K/cs.	Metres	K/cs.	Metres	Latitude N.	Longitude W.		
Port Harrison.....	V A I	500	600	420	714	58° 27' 17"	78° 08' 29"	Keeps watch on 500 K/cs. (600 metres) for fifteen minute periods commencing at every odd hour from 7.00 a.m. to 7.00 p.m. E.S.T. inclusive, during season of navigation.	6c. per word See note (a) above.





Churchill: Elevator, wharf and slipway.



PATROL SHIP

Station	Call Sign	Calling Wave		Working Wave		Hours of Service	Remarks
		K/cs.	Metres	K/cs.	Metres		
C.G.S. N. B. McLean.....	C G S N	500	600	425	706	Continuous during season of navigation.	Normally, this vessel patrols Hudson strait during the season of navigation. Information in regard to her position may be obtained from any Radio Station in the Strait.

LIGHTS\*

Location	Position		Character	Elevation	Remarks
	Latitude N.	Longitude W.			
†Goodwin island, Button Islands group.	60° 41' 31"	64° 40' 22"	Flashing.....	250 ft.	On unpainted wooden pole.
Resolution Island.....	61° 18' 28"	64° 53' 16"	Flashing.....	129 ft.	White square, wooden lantern on wooden skeleton base. One flash every 10 seconds.
Cape Hopes Advance.....	61° 05' 14"	69° 33' 23"	Fixed.....	270 ft.	On unpainted wooden pole.
†Wales Island.....	61° 51' 37"	71° 58' 19"	Flashing.....	150 ft.	On unpainted wooden pole.
†Ashe Inlet.....	60° 31' 40"	70° 33' 27"	Flashing.....	191 ft.	On unpainted wooden pole.
†East end of Charles Island.....	62° 36' 40"	73° 56' 09"	Flashing.....	150 ft.	On unpainted wooden pole.
†West end of Charles Island.....	62° 42' 30"	74° 40' 00"	Flashing.....	40 ft.	On unpainted wooden pole.
†Nottingham Island.....	63° 05' 48"	77° 56' 55"	Flashing.....	50 ft.	On unpainted wooden pole.
†Digges Island.....	62° 35' 20"	78° 06' 42"	Flashing.....	65 ft.	On unpainted wooden pole.
†Mansel Island.....	62° 27' 00"	79° 38' 00"	Flashing.....	41 ft.	On unpainted wooden pole.
†Coats Island.....	62° 10' 00"	83° 08' 00"	Flashing.....	40 ft.	On unpainted wooden pole, surrounded by white lattice.
†Hubbart Point.....	59° 21' 00"	94° 40' 00"	Flashing.....	50 ft.	On unpainted wooden pole.

\* These lights may, or may not, be in operation, also, the port Authorities may exhibit one or more lights at Churchill.  
 † Unwatched.



C.G.S. *N. B. McLEAN*—HUDSON STRAIT PATROL SHIP  
GENERAL DIMENSIONS AND EQUIPMENT

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The C.G.S. *N. B. McLean* is a twin-screw ice breaking steamer of 6,500 indicated horse-power and with the following leading dimensions:—

Length (B.P.).....	260 feet
Breadth (moulded).....	60 “
Depth (moulded).....	31 “
Gross tonnage.....	3,253 tons
Fuel oil capacity.....	1,596 “

The vessel is equipped with a patent towing winch furnished with both steel wire and manila towing hawsers, a powerful searchlight, two 7-ton derricks and two motor launches.

She also carries a diver and complete diving apparatus and the following salvage gear:—

- 1 Drake centrifugal pump, 10 inch.
- 1 Smart Turner centrifugal pump, 8 inch.
- 1 Duplex pump, 6 inch.

These pumps are completely equipped with flexible suction and discharge pipes, foot valves, syphons, etc., and all necessary auxiliaries.

On hundred and fifty feet of bronze flexible steam hose with connections, patching gear, shores, turnbuckles and all necessary tools are also provided.

The vessel is provided with a gyro compass and a recording echo sounder and radiotelegraph and radiotelephone apparatus are installed.

The *N. B. McLean* is normally in Hudson Strait from the opening to the close of navigation each year and maintains constant watch on 500 K/cs. (600 metres), call sign C.G.S.N.



## GLOSSARY OF TERMS USED IN ICE NAVIGATION

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- Floe.....A large mass of floating ice.
- Pan.....A small floe or piece of ice that can be forced aside or slewed.
- A field.....A large body of ice that may be seen around.
- Land floe.....Ice frozen fast to the shore.
- Packed ice.....Small pieces of ice closed together and held by the pressure of ice and currents.
- Ice blink.....A peculiar pale yellow reflection on the sky indicating the presence of ice in the distance.
- The ice pack.....A large body of solid ice extending across the whole sea and through which it is impossible to advance.
- Slack or open ice....Detached ice that can be worked through. Ice is said to be slacking when it begins to open up so as to be navigable.
- A lead.....A strip of navigable water opening into the pack.
- Hummocky ice.....Rough, uneven or thick ice.
- Slob.....Snow afloat and forming into ice.
- Water sky.....A dark or bluish appearance of the sky indicating open water beyond the ice pack.
- Rafting.....Occurs when two pans meet with force either by the action of winds or currents, the edges are broken off and either rise on top of or pass under the body of the other.
- Growler.....A more or less washed and rounded lump of ice which rolls about in the water; formed from broken-up bergs or detached pieces of heavy old Arctic floe ice.
- Collar ice.....The margin of ice frozen fast to an island or shore, presenting an abrupt wall against which the floating ice rises and falls with the tide.