Environment Canada Environnement Canada

Sea Ice Climatic Atlas

East Coast
1981-2010

By

Canadian Ice Service
Le service canadien des glaces

Canada

Introduction

This Ice Atlas follows from other Canadian Ice Atlases published in 1980, 1990 and in 2000. The ice years 1980-81 through 2009-10 have been used for this publication and cover a climatological time period of 30 years, the standard for representing statistical averages and extremes.

Ice atlases have their greatest use for planning activities in ice infested waters. With this in mind, an attempt has been made to include in this atlas, an indication of the location of the ice throughout the ice season, its abundance, its thickness, and its variability.

In addition to what was contained in the previous atlas, we have added the 30 year Median of Ice Concentration When Ice Is Present.

Acknowledgements

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**Mr Haché updated the ice regime and climatology text, which was originally written by Mr Phillip W Cote.*

Finally thanks to all past and present personnel involved in the data acquisition and preparation of the weekly CIS and NIC charts over all these years without whom the production of this atlas would not have been possible.

To be cost effective and environmentally friendly, this information is only available in electronic format.

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Data Used in Regional Analyses

Canadian Ice charts used in the production of the atlas are produced using imagery from RADARSAT-1 (since 1996) and RADARSAT-2 (since 2008). Other remote sensing data sources include Envisat, NOAA AVHRR and Modis imagery. Where possible, the interpretation of the satellite data is verified using observations from Ice Service Specialists onboard dedicated aircraft and CCG ships. In addition, the United States has exchanged ice data with us for many years: the National Ice Center at Suitland, MD (Arctic ice information); and the International Ice Patrol (IIP), under the jurisdiction of the United States Coast Guard (East Coast of Canada - sea ice and iceberg information). In addition, the Danish Meteorological Institute in Copenhagen has shared ice information covering the waters west of Greenland.

The Regional Ice Charts are not always done on the same dates each year, so a seven-day period centered on the Historical Dates has been selected for this climatological atlas. The climate data represents information from charts within three days on either side of the date.
It should be noted that the original scale of the Regional Ice Chart was 1:4,000,000 and plotted on paper maps. Although the current analyses are prepared using GIS computer applications the amount of detail and accuracy is still comparable to the original maps.

Methodology

From 1980 to 1995 the Regional charts were drawn on paper. These charts were digitized in the late 1990's for use in the climatology. Since 1995 computer technology was used to generate a digital version of the charts. The Regional Ice Chart collection now encompasses over 40 years of sea ice information spanning from 1968 to the present.

The dates of analysis varied through time as do the first and last charts of any given season. In early years the regional ice charts started and ended depending upon the resources available. To provide more complete information for this climatology an experienced ice forecaster reviewed the start and end of the season to ensure that any instances of first or last ice were included. If necessary, analogue charts representing the appropriate pattern of ice formation were used to ensure a complete set of charts for each historical date. Occasional missing charts were handled in a similar manner.

In the previous atlas, Lake Melville was manually re-analysed using analogue years to reflect realistic ice conditions. In this atlas, the technique was further refined and provided a more systematic and robust methodology for dealing with

such instances. For the Bay of Fundy, there has not been enough information to provide statistics, and as a result, the area has been masked out for data processing. In other areas minor corrections have been made, after-the-fact, in order to maintain consistency between historical dates and also between products.

Areas of fast ice in this atlas now contain a stage of development. Since 2004, this information has been added at the time of the chart production; however, for charts before that time, a senior forecaster provided stages of development for areas of fast ice based primarily on Freezing Degree Days (FDDs), amongst other meteorological parameters for the period.

The data itself is analyzed with GIS software and using well-established customized scripts to produce the various statistical outputs. Once the original vector data is assigned a historical date, it is then converted to a raster data format at 1 km resolution. Various algorithms then perform operations to statistically summarize the individual ice charts and output the climatological products seen in the atlas.

In preparing an ice atlas, medians rather than averages are used. If one considers a single data point near the edge of the fast ice in late spring, the ice conditions can be ten tenths when fast ice is present or open water after the ice breaks up. Rarely will the four to six tenths range of ice concentrations occur, which is the inevitable result if one averages between no ice and ten tenths. A median on the other hand will be either zero or ten tenths depending on the relative frequency of break-up before or after the given date. This is more appropriate for an atlas describing ice conditions. With a thirty-year time period, an even number of values are used for each particular grid point and the higher of the two middle values is chosen as the median, a policy that has been adopted since the production of the Hudson Bay and Approaches atlas in the early 1980s.

Definition on Sea Ice Climatic Charts

Statistics Described

The ice charts contained within this atlas are derived climatological products representing a 30-year “normal” of various ice parameters. Two key statistical terms have been used to derive and describe the charts: median and frequency. The “median” is a statistical technique used to examine a dataset and is calculated by ordering all the values of the dataset from smallest to largest and selecting the middle value of an odd-numbered dataset or the average of the two middle values in an even-numbered dataset. For this atlas, the middle value of the even-numbered dataset was considered to be the upper observation, thus avoiding the averaging situation for an even-numbered dataset. The median is employed with ice statistics due to the ordinal nature of the ice attributes. For

example, 9+/10 ice concentration is greater than 9/10 concentration and first-year ice is greater (thicker) than grey-white ice.

The median is more appropriate than the average or mean when considering ice attributes. The example cited in the Methodology section of a fast ice edge where, during the break-up season, concentration values at a single point over a number of years are either 10/10 or less than 1/10 may be used to illustrate why the median is more appropriate. Consider the following dataset of 5 observations of ice concentration in tenths: (10, 10, 10, 0, 0). The average value would be (10 + 10 + 10 + 0 + 0)/5 = 6/10 which would not be a “real” ice situation.

The “frequency” is another statistical technique used to examine a dataset and is calculated by summing the number of observations of an occurrence or event (e.g. the presence of sea ice or old ice) and dividing by the total number of observations for the dataset and expressed as a percent of the total number of observations.

Dates of Freeze-up and Break-up

The "Dates of Freeze-up and Break-up" depicts the extent of ice on a bi-weekly basis during the freeze-up and break-up seasons. They provide a pictorial representation of the evolution of ice during those periods.

Median of Ice Concentration

The “Median of Ice Concentration” charts consider total concentration of ice on a weekly period from November 12 to August 27. The charts do not represent any real ice season but rather a statistical composite for the period.

The charts represent the statistical “normal” ice concentration for the appropriate date.

Median of Ice Concentration When Ice is Present

The “Median of Ice Concentration When Ice is Present” charts consider total concentration of ice on a weekly period from November 12 to August 27.

The charts are a new addition to the atlas and are meant to assist in interpreting the complementary “Median of Predominant Ice Type When Ice Is Present” charts. The most appropriate way to interpret the charts is to view the median of ice concentration when ice is present in conjunction with the frequency of presence of sea ice charts. For example, at a particular point, the frequency of

presence of sea ice might be in the range of 34-50% and the median of ice concentration when ice is present might be 9/10 to 9+/10. Thus, at this location, there is a 34-50% chance of encountering sea ice, and when ice is present, it is "normally" 9/10 to 9+/10 concentration. Additional insights may be provided by examining the "Predominant Ice Type When Ice Is Present" charts.

The charts represent the statistical "normal" ice concentration when ice is present for the appropriate date.

Median of Predominant Ice Type When Ice Is Present

The "Median of Predominant Ice Type When Ice Is Present" charts consider the predominant ice type (ice type of the greatest concentration in a given area) on a weekly period from November 12 to August 27.

The most appropriate way to interpret the charts is to view the median of predominant ice type in conjunction with the frequency of presence of sea ice charts. For example, at a particular point, the frequency of presence of sea ice might be in the range of 34-50% and the median of predominant ice type when ice is present might be first-year ice. Thus, at the point, there is a 34-50% chance of encountering sea ice, and when ice is present, it is "normally" first-year ice. Additional insights may be provided by examining the ice concentration when ice is present charts.

The charts represent the statistical "normal" predominant ice type when ice is present for the appropriate date.

Frequency of Presence of Sea Ice (%)

The "Frequency of Presence of Sea Ice (%)" charts consider the likelihood of total concentration of ice greater than or equal to 1/10 on a weekly basis period from November 12 to August 27 and are anticipated to give the reader an idea of the likelihood that ice will occur at a particular location for the appropriate date.

The charts can be interpreted as the "probability of sea ice being present at that time of year for the period." The charts depict above normal extent (1 to 33%), near normal extent (34 to 66%) and below normal extent (67 to 99%). The 0% line represents the maximum extent of sea ice, beyond it no ice was reported in the period; the 100% line represents the minimum extent of sea ice, within it there has always been ice reported in the period.

Frequency of Presence of Old Ice (%)

The “Frequency of Presence of Old Ice: 1 to 10/10 (%)” charts consider the likelihood of old ice greater than or equal to 1/10 on a weekly basis from November 12 to August 27 and can provide an idea of the likelihood that old ice will occur at a particular location for the appropriate date. Please note that the previous atlas included traces of old ice whereas in this atlas it was deemed appropriate to omit traces of old ice.

The charts can be interpreted as the “probability of old ice being present at that time of year for the period.” The charts depict above normal extent (1 to 33%), near normal extent (34 to 66%) and below normal extent (67 to 99%). The 0% line represents the maximum extent of old ice, beyond it no old ice was reported in the period; the 100% line represents the minimum extent of old ice, within it there has always been old ice reported in the period.

Total Accumulated Coverage (TAC)

In this atlas, we have introduced a new parameter that depicts an entire ice season as a single value known as “Total Accumulated Coverage (TAC)”. In the years since the last publication, this has proven to be a more robust parameter than the individual observations themselves and permits comparisons of one season to another.

In order to calculate the TAC, each polygon area is multiplied by the associated total ice concentration, summed up for the entire chart, and then normalized by the total area to arrive at a single value for each chart. This value is then summed for the entire season and finally normalized by the number of weeks in a season to arrive at the single value for the season.

Meteorological Influences

Weather has a direct bearing on the planning and execution of winter navigation because temperatures control the extent and thickness of ice that forms, and the surface winds modify its location, form and distribution. Winds also play a major role in the extent of the ice cover especially at the beginning of the season; strong winds can cause ice destruction when the ice is relatively thin and temporarily suppress ice development. During winter, cold air from the Canadian Arctic can be carried seaward across Eastern Canada, resulting in temperatures far below the freezing point, causing superstructure icing and rapidly increasing the volume and extent of the sea ice. On the other hand, migratory low pressure centres from the Southeastern United States may result in mild air sweeping northward and creating melting conditions that last anywhere from a few hours to

several weeks. The winter seasons vary considerably in severity depending upon the relative frequency and the paths of these migratory storm systems.

In considering ice formation, ice growth and ice deterioration, the amount of heat exchange between ice, water and air is of basic importance. However, due to the complexity of these processes and their measurement, air temperature is often used to quantify the effect of freezing and melting conditions. More specifically, when the mean air temperature for a day is below 0°C, the numerical value can be expressed as the number of Freezing Degree-Days (FDD) and, when above 0°C, expressed as Melting Degree-Days (MDD).

Oceanographic Factors

The main oceanographic factors influencing the ice regime are bathymetry, currents, and tides.

Bathymetry

The bathymetry of these areas is reasonably well known. The Gulf of St. Lawrence has a deep trench, known as the Laurentian Channel, running from Cabot Strait to the Saguenay River with depths of 500 m decreasing to 200 m above Rivière du Loup. The Saguenay River itself has water depths of 90 to 275 m.

There is an extension of this deep trench into Jacques Cartier Passage and the Northeast Arm of the Gulf with water depths of 175 to 275 m. The southwestern part of the Gulf averages less than 75 m in depth and the limiting water depth in the Strait of Belle Isle is 50 m. Northumberland Strait also has shallow water depths running between 17 and 65 m with the deepest waters located at each end of the strait. The fishing banks south and east of Nova Scotia are relatively shallow with water depths mostly between 50 and 90 m.

The Grand Banks to the east-southeast of Newfoundland are very well known and have average depths of about 75 m. To the northeast between Fogo Island and the Strait of Belle Isle, depths are somewhat greater averaging over 300 m but there are a few small banks with depths less than 200 m.

Along the Labrador coastline, 50-100 km from shore there is a “marginal trough” with depths ranging from 200-800 m. Farther offshore there are a series of broad banks with minimum depths in the 100-200 m range. The continental shelf extends 150-175 km from shore.

Water Currents

The general water motion over these areas is relatively simple but the details are complicated. In the Gulf of St. Lawrence the current is generally counter-clockwise. In the Estuary of the St. Lawrence River there is a net eastward current but superimposed on it are tidal streams that alternately accelerate and decelerate the motion. The current is strongest at 2 to 12 nm offshore of the Gaspé Peninsula and has a mean speed of 6 to 10 nm per day. Once into the main portion of the Gulf, the water spreads over the Madeleine Shallows and drifts generally towards Cabot Strait but some portions also follow the deep Laurentian Channel directly across the Gulf. After reaching the vicinity of Cape Breton Island, the current, known as the Cape Breton Current, pours around Cape North at speeds of 5 to 7 nm per day, sweeps through Sydney, and dissipates on the Scotian Shelf off Scatarie Island. Typical rates of motion over the Madeleine Shallows (area between Prince Edward Island and Iles de la Madeleine) of 3 to 5 nm per day. There is a northeastward-flowing current, having a mean speed of 2 to 4 nm per day, flowing along the west coast of Newfoundland past Bay of Islands and Daniel's Harbour.

The general water motion in the offshore areas of Southern Labrador and East Newfoundland is dominated by the cold Labrador Current. Off the Labrador coast, the southward motion is mainly confined to the continental shelf and the water is coldest in the upper layers near shore. After passing Hamilton Inlet, just as the continental shelf widens, so does the breadth of the current. As a result, it decelerates and floods eastward over the Grand Banks while portions of the current continue southwestward from Cape Race towards Nova Scotia. In the Belle Isle-Newfoundland area, surface currents are usually less than on the Labrador coast, and the drift westward from Cape Race towards Nova Scotia waters is even slower. Through the Strait of Belle Isle is a variable tidal stream which complicates the water motion, but overall there is a significant current flowing into the Gulf of St. Lawrence with a mean speed of 6 to 8 nm per day.

Along the northern Labrador Coast, rates of motion are in the range of 8 to 10 nm per day but these speeds can vary from one season to the next or one year to the next.

Tides

The tidal ranges on the Labrador and Newfoundland coasts are fairly small but consistent, for, at most locations the mean range is from 0.8 to 1.6 m. In the Gulf of St. Lawrence the situation is somewhat more complicated because the tidal surge enters from both Cabot Strait and the Strait of Belle Isle. The main tidal surge progresses in a counter-clockwise manner around the Gulf after entering at Cabot Strait and mean ranges vary from 0.8 to 1.1 m at Cape North and Cape

Ray to 1.2 to 1.5 m on the west coast of Newfoundland and along the north shore of the Gulf. In the Estuary, ranges increase progressively towards the southwest from 2.5 m in the Pointe-des-Monts to Mont-Joli area to about 4.1 m near Quebec City. In Chaleur Bay the tidal range is from 1.3 to 2.0 m but in the Iles de la Madeleine only 0.7 m. Northumberland Strait has a complicated tidal pattern. In the west end there is essentially one tide per day while in the eastern section there are the normal two with ranges of 1.2 to 1.8 m. The Strait of Belle Isle has tides in the 0.8 to 0.9 m range.

The major effect on the ice from these tidal forces and tidal streams is that the ice moves back and forth as the tides rise and fall. It is most apparent in the upper Estuary but is also apparent in Chaleur Bay and its approaches Fast ice in these areas tends to be limited due to the constant motion.

Ice Regime

In considering the ice regime of an area such as the Gulf of St. Lawrence or the waters surrounding Newfoundland, there are two major climatic factors. First, mean temperatures during the winter do not fall very far below the freezing point and as a result very cold or very mild winters have a very significant effect on the extent and severity of the ice cover. The second climatic factor is the winter winds from west through north will nearly always be cold and dry whereas those from the southwest through south to northeast will tend to be mild and moist. This has a decided effect on the location of areas of ice compaction and ice dispersal

The map “Dates of Freeze-Up and Break-Up” presents the pictorial pattern of freeze-up and break-up over the waters of Eastern Canada. Following are the weekly “30-Year Median of Ice Concentration” and weekly “30-Year Median of Predominant Ice Type When Ice Is Present” covering the Eastern Canada ice charts. These form the basis upon which this text is written. Other types of statistical outputs have also been produced for this atlas. Following these two series is the “Frequency of Presence of Sea Ice (%)”. This gives information on the likelihood that ice will occur at a particular location around the date of the chart. A new chart has been added in this new atlas: the “Median of Ice Concentration when Ice is Present”. This is a complement to the “30-Year Median of Predominant Ice Type When Ice Is Present” and will help in estimating the median of ice concentration in the presence of ice. The next series are the “Frequency of Presence of Old Ice”. Although it is not common, old ice has drifted into the Northeast Arm through the Strait of Belle Isle and old ice floes have drifted to the north shores of Anticosti Island in early June.

Gulf of St. Lawrence

The Gulf of St. Lawrence area covers the St. Lawrence Estuary eastward from Québec, the entire Gulf of St. Lawrence, the waters south of Nova Scotia and the waters south of Newfoundland eastward to the Islands of St. Pierre and Miquelon.

Normal Pattern of Development

The first ice formation in this area occurs in the St. Lawrence River itself normally during the second week of December and the floes are carried downstream to the Québec City area shortly after the middle of the month. This ice is thin and it is primarily a freshwater type but it spreads downstream gradually, aided by wind and ebb tides. During the forth week of December, this ice reaches the mouth of the Saguenay River and mixes with the ice forming in the salt water of this part of the Estuary. The new ice formation occurs in the coastal areas first and then develops and spreads seaward. Due to the currents and prevailing west and northwest winds, ice growing in the St. Lawrence River Estuary spreads more rapidly eastward along the south side and reaches the north Gaspé Peninsula shoreline near the end of December.

In the third week of December, ice begins to form in the coastal shallows of New Brunswick. In the last week of December new ice starts to spread seaward along the New Brunswick coast and develops in coastal areas of Northumberland Strait. At the end of December Northumberland Strait is partially covered with new and grey ice. The entire Northumberland Strait becomes ice covered in the first week of January.

During the last week of December, loose areas of new ice begin to form in the Strait of Belle Isle as well as along sections of the north shore of the Gulf of St. Lawrence. At month's end, the highest concentrations can be found in Northumberland Strait, in the coastal areas of New Brunswick, along the south sides of the St. Lawrence River Estuary and Chaleur Bay, and in some of the coastal portions of the north shore of the Gulf. Most of this ice is new and grey, and coastal fast ice outlines are being established.

At the beginning of January in the southwestern portion of the Gulf, the ice cover increases more in concentrations rather than areal extent. As the ice spreads away from the shore, the warmer waters tend to melt the ice. During the month of January, the growth and spread of ice proceeds eastward across the Gulf quickly than it progresses southward from the north shore. By the middle of the month the leading edge of the ice has reached North Cape, PEI and meanders northward through Gaspe Passage to the western tip of Anticosti Island. The ice

concentrations, at that time, have reached the very close pack range in Northumberland Strait, Chaleur Bay, most of the Estuary while lower concentrations are found in the northern section of the Estuary as well as along the ice edge. Much of this ice remains as new and grey types, but grey-white has now developed in parts of Northumberland Strait, along the south sides of the St. Lawrence River Estuary and Chaleur Bay as well as in the southern section of the Belle Isle Strait. Along the north shore, the ice has spread outward only 10 to 20 km except in the Northeast Arm where the seaward extent is more likely 25 to 40 km. Here ice concentrations are mostly in the open to close range with very close ice conditions in the Northeast Arm.

By the end of the third week of January the ice edge has reached East Point on Prince Edward Island and extended northward to the southeast end of Anticosti Island and then northeastward to near Point Riche Peninsula on the west coast of Newfoundland. The ice concentrations within the pack is generally very close pack except looser within 20 to 50 km of the ice edge. The predominant ice type is mostly grey ice with grey-white in Northumberland Strait, along the south sides of the St. Lawrence Estuary and Chaleur Bay as well in the southern half of Belle Isle Strait. Due to the prevailing northwesterly winds and the outflow of water currents which follow the Laurentian Channel, the grey-white ice from Gaspé Passage tends to drift southeastward towards the northern shore of Îles de la Madeleine. The ice reaches Cape North near the end of January and then start to move in the western section of Cabot Strait. The mild northeastward current around Cape Anguille off the west coast of Newfoundland tends to delay ice formation south of the Pointe Riche Peninsula. At the end of January, grey-white ice is beginning to show up in the western part of the Gulf, in Gaspé Passage, in the Northeast Arm, and along the west coast of Cape Breton.

During the second week of February, the ice drifting southward through Cabot Strait will reach the approaches to Sydney and linger until the first week of April. The ice cover continues to grow and thicken as it spreads to cover most of the remaining areas of the Gulf by the third week of February. The exception is a 10 to 30 KM coastal lead along the Newfoundland coast south of Cape Saint George. At the beginning of February grey-white and grey ice generally predominates inside the pack but thin first year ice gradually develops during the course of the month. By the end of the third week of February thin first year is found in Northumberland Strait, along the northwest coast of Cape Breton, along the north coast of les Îles de la Madeleine, along the west coast of Newfoundland as well as along the south shores of Chaleur Bay and the Estuary. Over the northern portions of the St. Lawrence Estuary and Gulf, the predominant ice type remains new and grey. The reason the ice remains thinner over these areas is that offshore winds push the ice southward.

From the later part of February until the middle of March, the ice in the Gulf has reached its maximum extent and much of the ice continues to grow to the first-

year stage of development. However, because of the continuous southward drift of the pack in the Gulf, the ice remains at the grey-white stage over the northwestern portions. The lead along the west Newfoundland coast, particularly north of the Port-au-Port Peninsula, is closed and there can be ice drifting into Cabot Strait.

Normal Pattern of Dispersal and Melting

Dispersal of the ice begins in late February and is first evident in the Estuary near the mouth of the Saguenay River where ice concentrations fall to very open range. Tidal upwelling of warmer water at the western limit of the deep channel through the Estuary combined with the general rise of air temperatures in the spring tend to melt the ice. The upwelling is a feature of the location and a certain amount of open water is nearly always present in this area. Snow and ice reflect a large proportion of the solar radiation; the absence of ice permits an increase in solar warming of the water. Openings in the ice cover are thus extremely important in the spring for they act as centres of ice decay. The reduction in the ice concentrations is slow until the second week in March then gradually accelerates. By the middle of March, extensive open water areas exist along the north side of the St. Lawrence Estuary and the north shore to Natashquan, and south of Anticosti Island. By this same time, ice concentrations through the remainder of the Estuary and in Gaspé Passage become reduced to very open to open range except along the north shore of the Gaspé Peninsula. The ice concentrations along the main shipping route through the central Gulf are decreasing rapidly. During the last half of March decreasing median ice concentrations are evident through the centre of the Gulf but congestion persists in the southwestern portion and in the Northeast Arm. Since the thinner forms of ice will melt and decay faster, the predominant ice types are the thicker forms of ice. Ice concentrations through Northumberland Strait begin to decrease during the third week of March in the western end and progress southeastward. In late March the Estuary is usually free of ice and the inner ice edge has passed Anticosti Island.

During the early days of April, ice in the main shipping route through the Gulf clears, separating into two areas: the southwestern Gulf and the waters surrounding Cape Breton, and the area from the Port-au-Port Peninsula to the Strait of Belle Isle. Once this separation has occurred, navigation into the Estuary is unhindered and re-formation of an ice barrier across the shipping route does not occur. Of these two areas, the southwestern Gulf melts first. The last of the ice in Northumberland Strait and around Cape Breton Island melts normally near mid-April. At this time, the only ice to be found is the decaying coastal fast ice and this melts by the last week of April.

The final area to lose its ice cover is the Northeast Arm. The retreating ice gradually melts northward during April and into May. By the third week in May, the sea ice has finally all melted, but icebergs can present a hazard to shipping during the summer. The date that the last ice clears can vary significantly. In 1991, sea ice persisted in the Northeast Arm into the middle of July and the following year, sea ice in the Strait of Belle Isle did not melt until the end of July.

Ice Features of the Area

Fast ice for most coastal areas in the Gulf has a limited extent. It forms in all the smaller bays and inlets from Gaspé to Cape North, from Pointe-des-Monts to Blanc Sablon and from Cape Anguille to Flower's Cove. Melting "in situ" is the normal decay procedure in these smaller areas.

In the Estuary the tendency for an eastward motion of the ice is very apparent. Leads are common along the shore from Pointe-des-Monts to the Saguenay River, and congestion is prevalent along the Gaspé Peninsula. Wind and water motion all contribute to this pattern producing thicker, congested ice that follows the shore as it moves into the main body of the Gulf. A very difficult ice area is created across the entrance to Chaleur Bay as some of the thicker ice from the Gaspé Passage moves into the area. As the ice continues its south and southeastward progression into the central part of the Gulf it produces an ice cover of large floes of thick ice, combined with new ice formation, from Gaspé Passage to Cape Breton Island. Leads and areas of dispersed ice are created along the New Brunswick and Prince Edward Island shores in response to the wind but, in general, the southwestern section of the Gulf becomes congested with thick ice in large floes that can exert considerable pressure against Cape Breton Island and the northwestern shores of the Îles de la Madeleine.

In the northeastern Gulf the ice motion is much more restricted by the wind-induced drift from west to east resulting in occasional congestion in the Bay of Islands area. Often, an area of thick and deformed ice is prevalent from the Port-au-Port Peninsula northward. Coastal leads can develop in this area when easterly winds prevail but lateral motion of the ice along the coast does not often develop.

Very large floes, locally called "battures", are sometimes encountered in the northwestern Gulf of St. Lawrence in March. These are dislodged fragments of the fast ice which forms over shoals along the south shore of the Estuary and which have been subsequently dislodged by spring tides during mild spells. Battures are noted for their size, roughness, and dirtiness, and may carry a very thick snow cover that makes them very difficult to penetrate. They constitute a severe hindrance and a hazard to navigation.

In the Gulf of St Lawrence, the ice is mobile and free to move. Floes are generally smaller when compared with those found in the Canadian Arctic. Thus, ridging can be rather extensive in area but not developed to any great height. The height of ridging seldom exceeds two metres and is generally less than one metre. However under conditions of extreme pressure along windward shores, such as the west coast of Newfoundland, ice floes may pile up to thirteen metres above sea level. Puddling of the ice in the Gulf is rarely well developed. The ice is more subject to melting from below as a result of warmer water than it is to melting because of heat absorption on the surface.

When ice drifts through Cabot Strait into the Atlantic Ocean, water currents encourage its southward drift past Sydney and down to the area of Scatarie Island. The entire area of the strait only becomes covered with ice when winds hold it against the Newfoundland shore. When the winds diminish or change direction, inflowing currents around Cape Ray quickly create a lead northward towards Cape Anguille and eventually to Cape St. George. A pattern is usually established each winter for the general direction of ice drift once it leaves the Scatarie Island area. In some years, usually the colder ones, the pack continues eastward and has been known to reach as far as St. Pierre and Miquelon. In other years, when easterly winds are common it follows the Cape Breton coast, ice progresses westward towards Chedabucto Bay and sometimes along the coast of mainland Nova Scotia. In 1987, ice filled the harbour at Halifax and blocked the entrance to Bedford Basin. Weak water currents strengthened by the wind flow, are responsible for the extent of this drift. Most often the drift is generally southward but the distance it moves is not great.

Although old ice is not normally a great concern in the Gulf of St. Lawrence, old ice can drift into the Northeast Arm through the Strait of Belle Isle. Some of these old ice floes survived to drift to the north shores of Anticosti Island in early June of 1991.

Ocean swells from storms in the Atlantic Ocean can enter through Cabot Strait and cause extreme fracturing of the floes in the Iles de la Madeleine - Cabot Strait areas.

Variability of Total Ice Coverage

For the period 1981 to 2010, the most ice encountered in a single season in the Gulf of St. Lawrence occurred in 1989/90; the least amount of ice occurred in 2009/10.

The ice coverage varies considerably from year to year but in general, there were above normal conditions from 1980/81 to 1994/95 and then below normal conditions from 1995/96 to 2009/10.

Examples of minimal and maximal ice conditions for the entire East Coast region are provided to illustrate the spatial extent of such ice conditions.

East Newfoundland and South Labrador Waters

East Newfoundland and South Labrador waters cover the offshore areas south of latitude 55°N as far as sea ice extends, along the south coast of Newfoundland as far west as the Islands of St. Pierre and Miquelon, and in the Strait of Belle Isle.

Normal Pattern of Development

Variations in the extent of ice over these waters are great because both winds and temperatures are effective in changing the location of the edge. In a cold winter, such as 1990-91, the ice could persist as late as the third week of July in the east Newfoundland waters. Conversely in a mild winter, such as 2005-06, the ice could have cleared from east Newfoundland before the end of April.
Because of its latitude, location away from the ocean, and low salinity, Goose Bay and Lake Melville are the first areas along the south Labrador Coast to freeze and both are consistently ice covered by mid-December. The initial freeze over at Goose Bay usually occurs during the third week of November but growth is slow and ice thickness by mid-December is nearly always less than 30 cm. Ice spreads slowly across Lake Melville, since the ice formation is slowed by strong wind conditions. It is not until mid-December that a complete cover is consistently present. Ice appears in the coastal waters during the third week of December and spreads seaward. The median ice edge spreads southward to the northern part of the Strait of Belle Isle by the fourth week of December and to the northern tip of Newfoundland before the end of the month.

During January, the mean ice edge expands seaward and spreads southward reaching White Bay and latitude 50°N in the third week of the month. Ice concentrations within about 80 km of the ice edge are close pack or looser and predominant ice types are new and grey becoming grey and grey-white ice off the southern Labrador Coast. It is at this time that coastal fast ice begins to form among the islands of Notre Dame Bay and is normally established by the early days of February. The advancing ice from the north merges with the developing ice from Notre Dame Bay normally during the last week of January. By the end of the month, the pack ice begins to drift off to the southeast from Cape Freels. Ice concentrations remain looser within about 80 km of the ice edge. Predominant

ice types in most of the Newfoundland waters are new and grey, but have developed to the grey-white and first-year ranges north of the Northern Peninsula.

During February the ice belt broadens considerably in width. The southern limit progresses to near Cape Bonavista by mid-month and to Baccalieu Island by the end of the month. Ice concentrations remain looser near the southern and eastern ice edges with very close conditions within the pack. Grey ice predominates along the southern ice edge at the beginning of February and grey-white to first-year by the end of the month.

The maximum southern extent of the ice occurs from the end of February to the middle of March.

Normal Pattern of Dispersal and Melting

The first sign of break-up occurs in Notre Dame Bay around the middle of March when open water leads begin to slowly expand. During the last half of March, the rate of melting at the ice edge increases sufficiently to counterbalance the southward ice drift, and slow retreat of sea ice begins. It recedes only to the latitude of Cape Freels by the middle of April and then to north of Fogo Island by the end of the month. During this time the whole pack south of Hamilton Inlet becomes narrower because of melting along the eastern edge. It is only near the Labrador coast that ice concentrations remain in the very close range. Otherwise, mostly very open to close ice conditions predominate with first-year ice being the main ice type, but embedded old ice floes can also exist.

The rate of melting increases with the southern ice edge retreating north of the Strait of Belle Isle in the third week of May. It is this melting of the pack ice that exposes the icebergs that have been carried south by the Labrador Current and their numbers in the Newfoundland waters at this time of year are at their maximum.

The outflow of water from Hamilton Inlet maintains lighter ice conditions throughout the winter. By the last half of April, open water predominates in this area but does not expand appreciably until after the middle of May. Breakup of Lake Melville usually starts in the third week of May and clears about two weeks later. Navigation into Lake Melville may require penetration of the offshore ice pack unless offshore winds create a lead along the coast from Battle Harbour to Groswater Bay. At this stage the ice pack tends to have very variable concentrations. The southern edge of the sea ice retreats to near latitude 55°N during the third week of June.

Ice Features of the Area

Ice growth along the east coast of Newfoundland is relatively insignificant compared to the heavier concentrations and wide variety of ice types that drift southward into this area. .

The mean wind flow in the Strait of Belle Isle area is from the northwest during the winter, but in April this shifts to a predominant northeast wind. In periods when these northeast winds develop some of the ice from the Labrador coast, in which we can find some old ice and icebergs, can be driven through the Strait of Belle Isle and into the Northeast Arm of the Gulf. Because this ice from the Labrador area is thicker than that formed locally, clearing in the Strait is slow when these intrusions occur.

Shore-fast ice is primarily confined to the area from Fogo Island to southern Notre Dame Bay. Some fast ice also forms in southern White Bay as well as the bays and harbours along the Northern Peninsula.

Offshore winds can spread the ice seaward, concentrations are lowered in the outer portions of the pack and shore leads can develop from White Bay to Cape Bauld and from Strait of Belle Isle northward to Hamilton Inlet. In these situations the pack streams southeastward from Cape Freels leaving the coast easily accessible from Cape Freels to Cape Race. On the other hand, onshore winds may narrow the open water lead considerably along the coast creating an ice hazard for navigation. In periods such as these the major bays of East Newfoundland become filled with pack ice, the approaches to St. John's may become congested and some ice may round Cape Race and drift towards the Burin Peninsula or even St. Pierre and Miquelon Islands.

Old ice can be embedded in the main ice pack and drift southward along the Labrador coast and can arrive off Hamilton Inlet in April. It does not reach significant proportions until May when the thinner ice is melting more rapidly and average concentrations are decreasing. In cold years however, when more ice is present, these old floes can have a serious effect on navigation. Old ice has persisted in the waters off southern Labrador until August.

Variability of Total Ice Coverage

Between the years 1981 to 2010, the most ice encountered in a single season in the South Labrador Sea for the period occurred in 1983/84~~;~~ the least amount of ice occurred in 2009/10~~.~~

In general, the period exhibited normal to above normal conditions from 1980/81 to 1994/95 and then dropped to below normal conditions from 1995/96 to 2009/10.

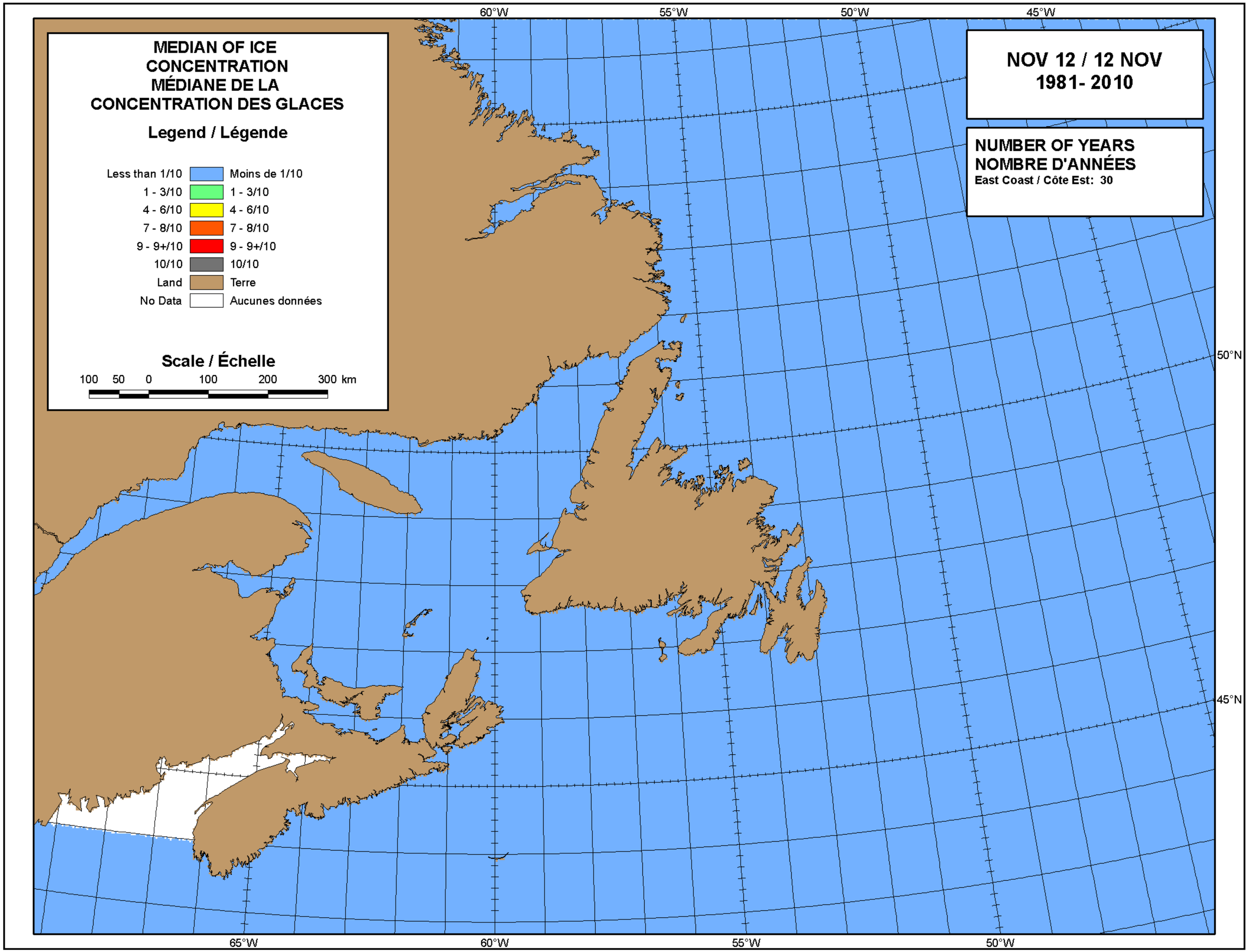
The most ice encountered in a single season in the Grand Banks for the period occurred in 1984/85; the least amount of ice occurred in 2003/04.

The ice coverage varies considerably from year to year but in general, there were normal to above normal conditions from 1980/81 to 1994/95 then below normal conditions from 1995/96 to 2009/10.

Examples of minimal and maximal ice conditions for the entire East Coast region are provided to illustrate the spatial extent of such ice conditions.

Charts

30-Year Median of Ice Concentration Charts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MÉDIANE DE LA CONCENTRATION DES GLACES
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Less than 1/10 Moins de 1/10
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4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
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Scale / Échelle
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NOV 12 / 12 NOV
1981- 2010
NUMBER OF YEARS
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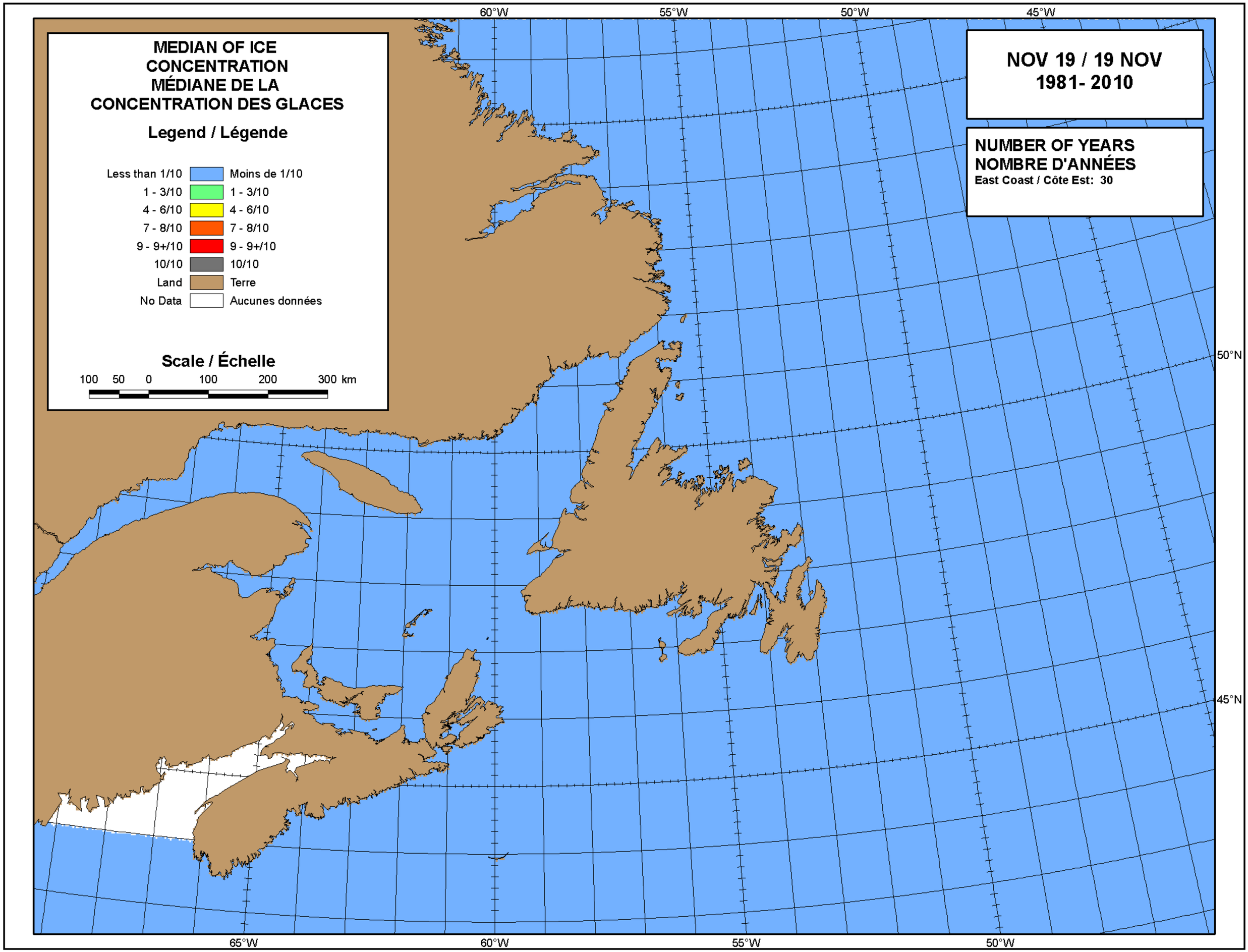
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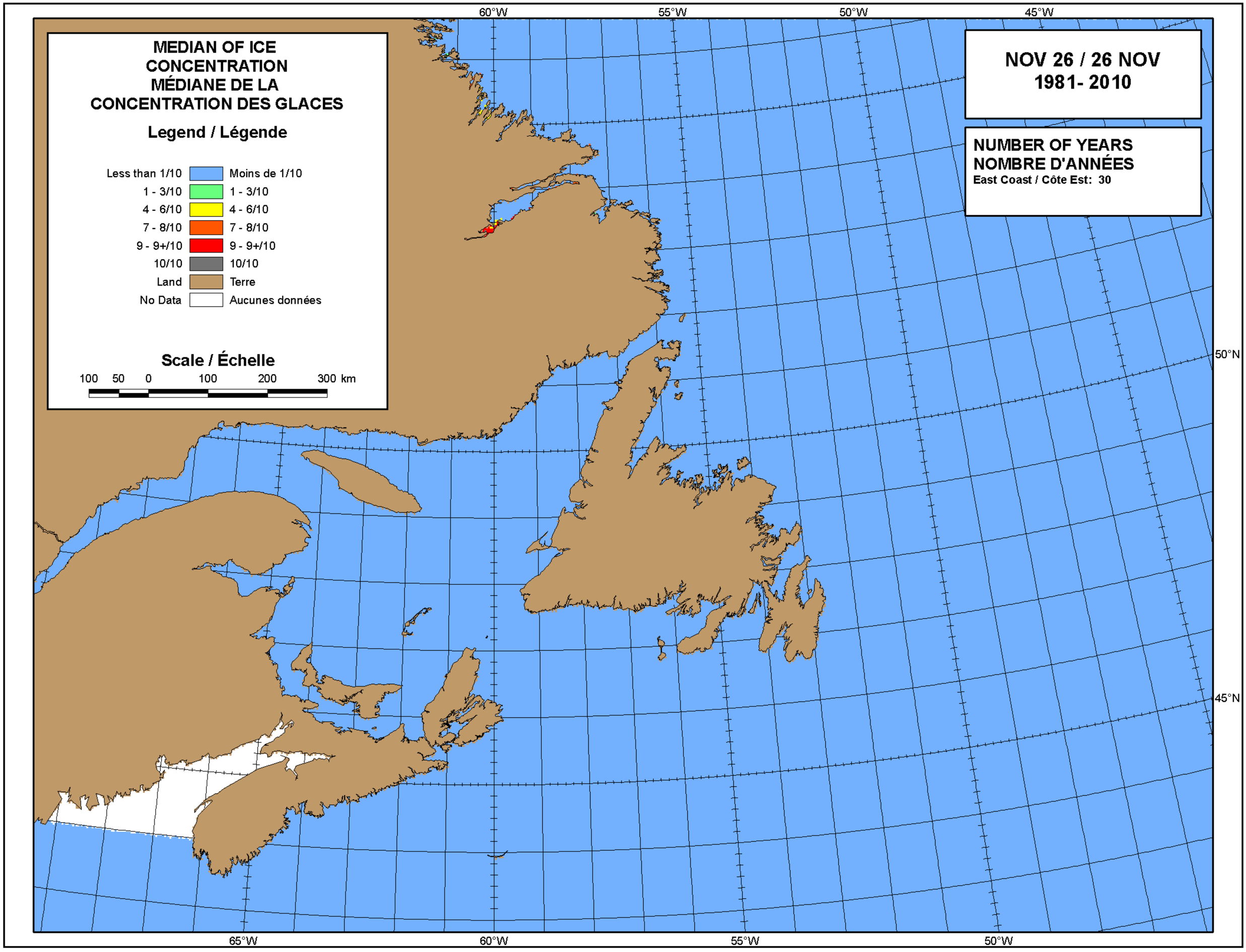
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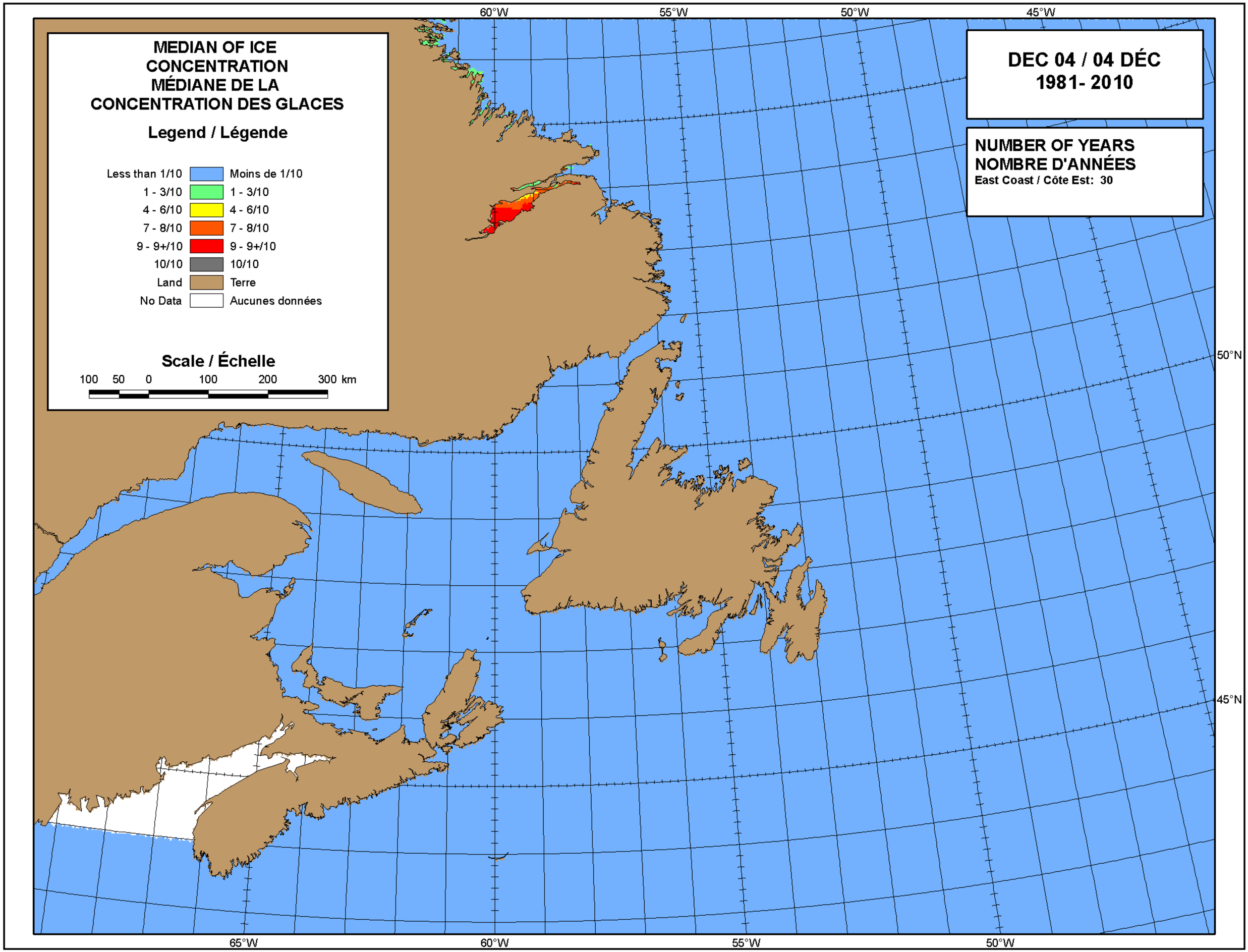
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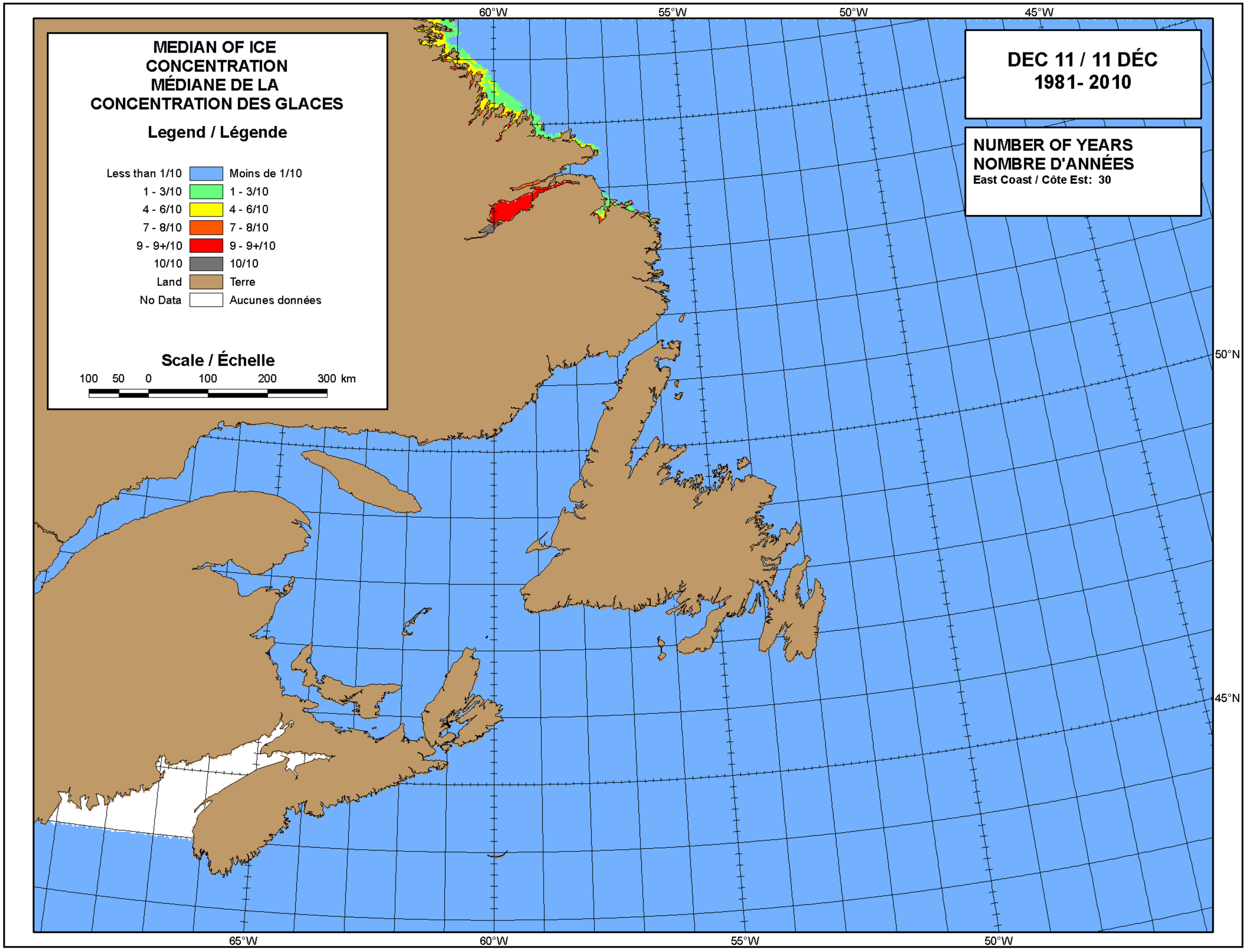
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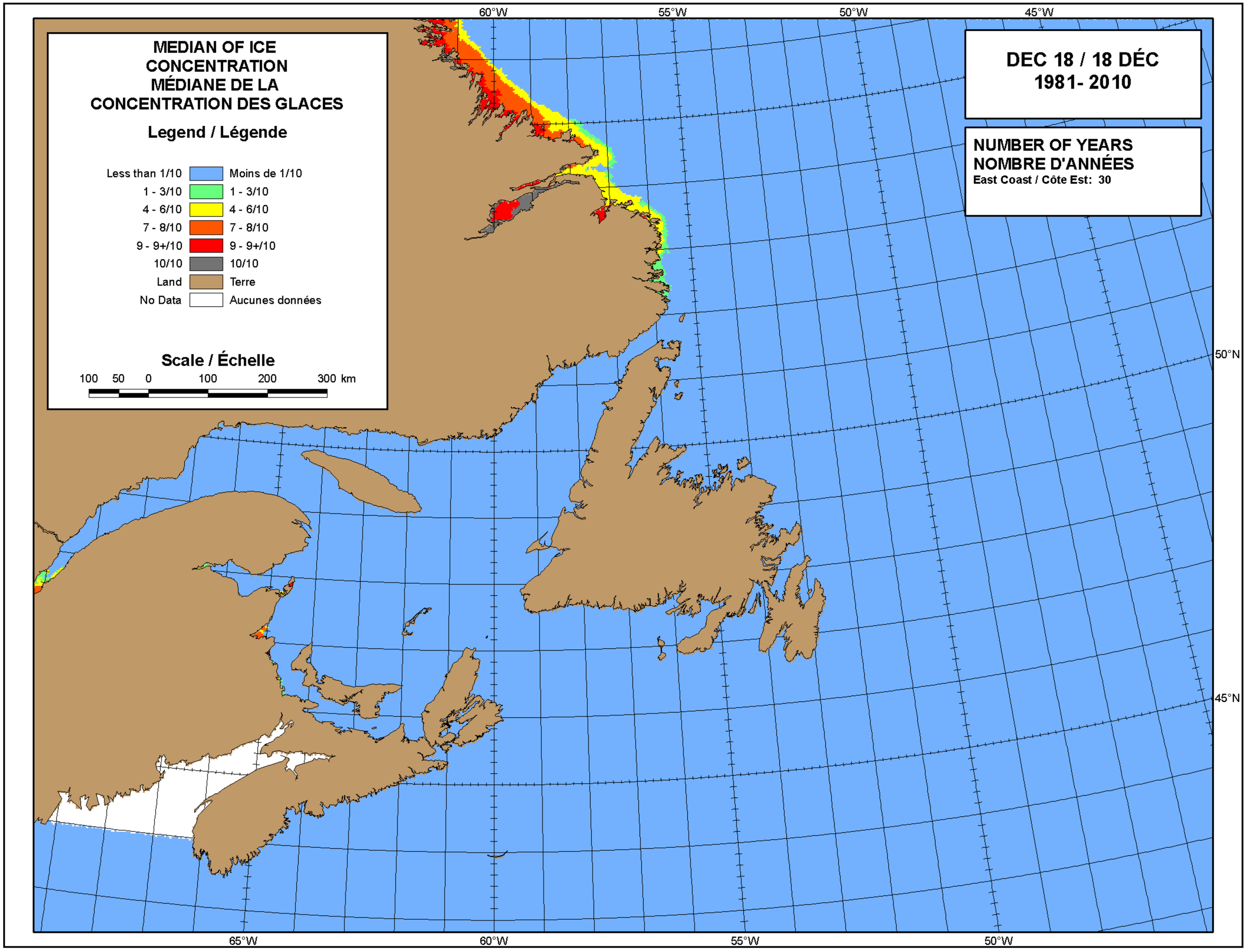
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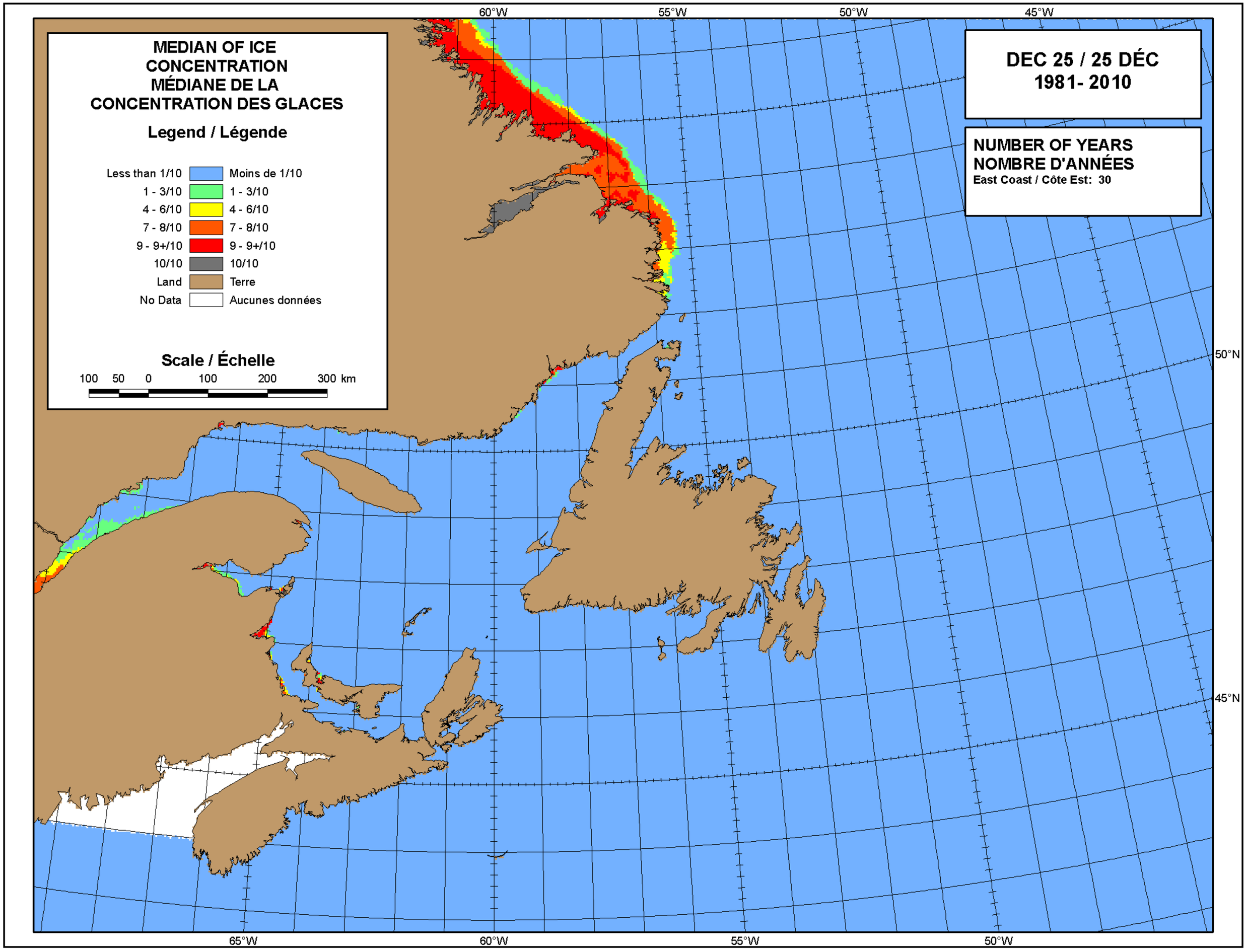
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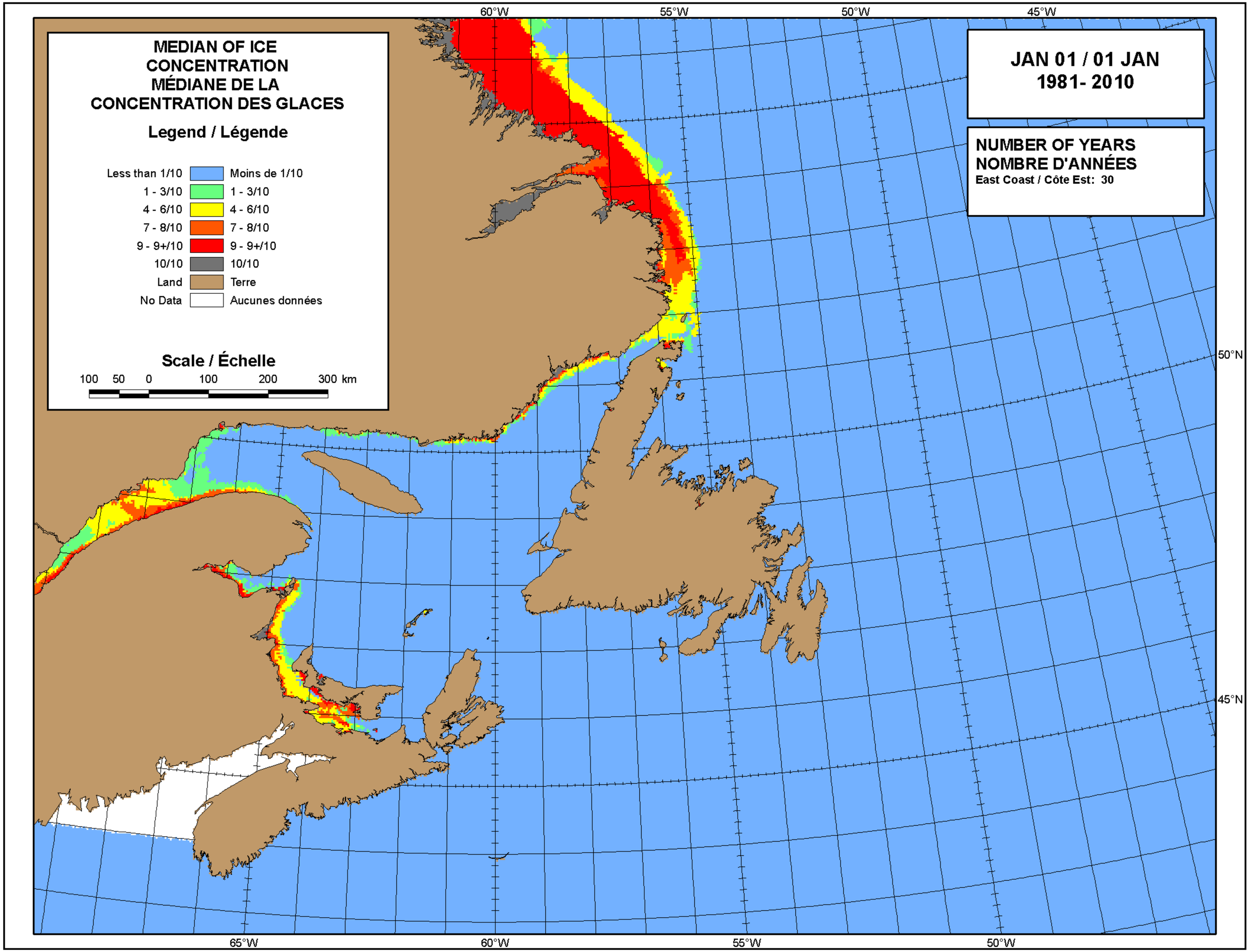
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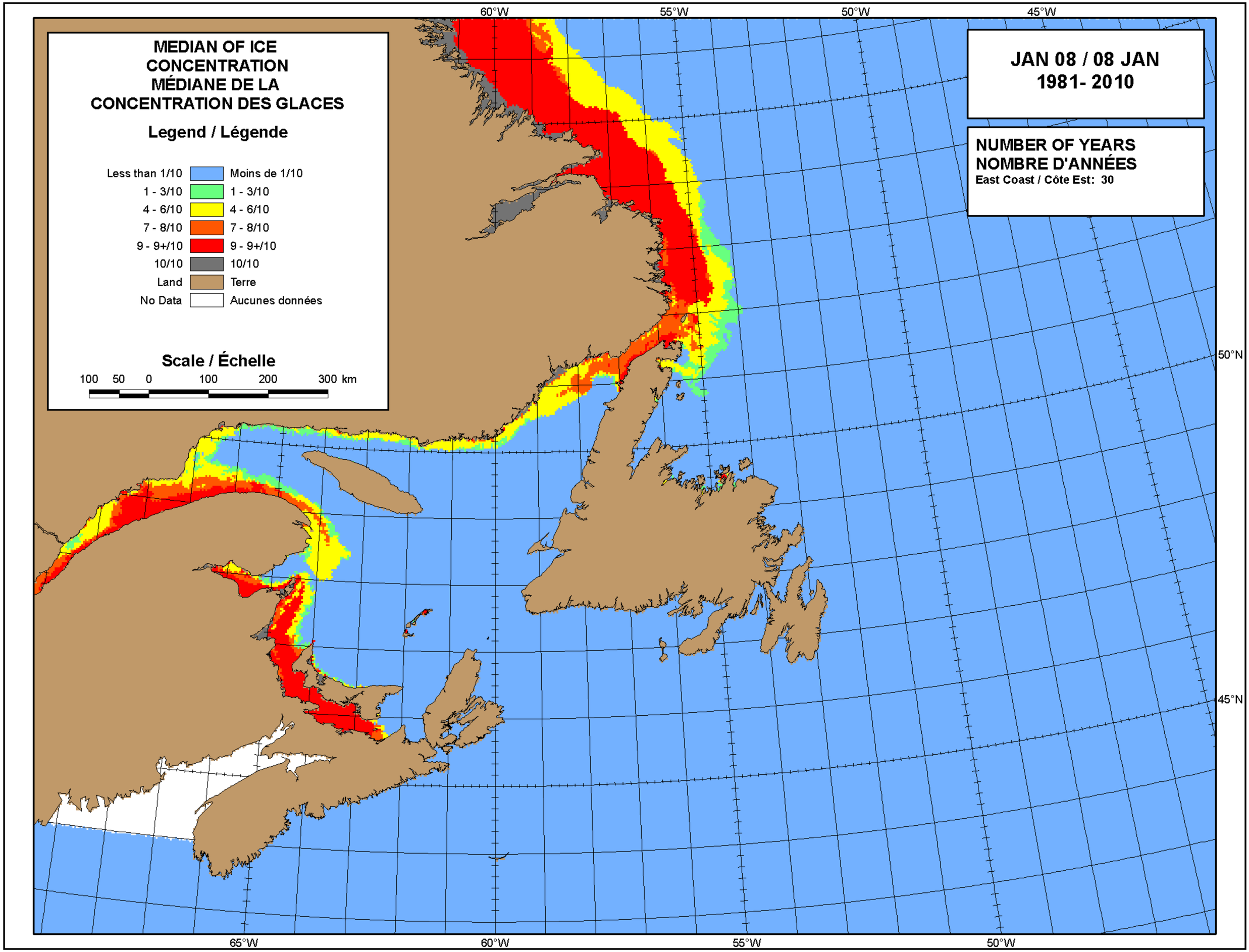
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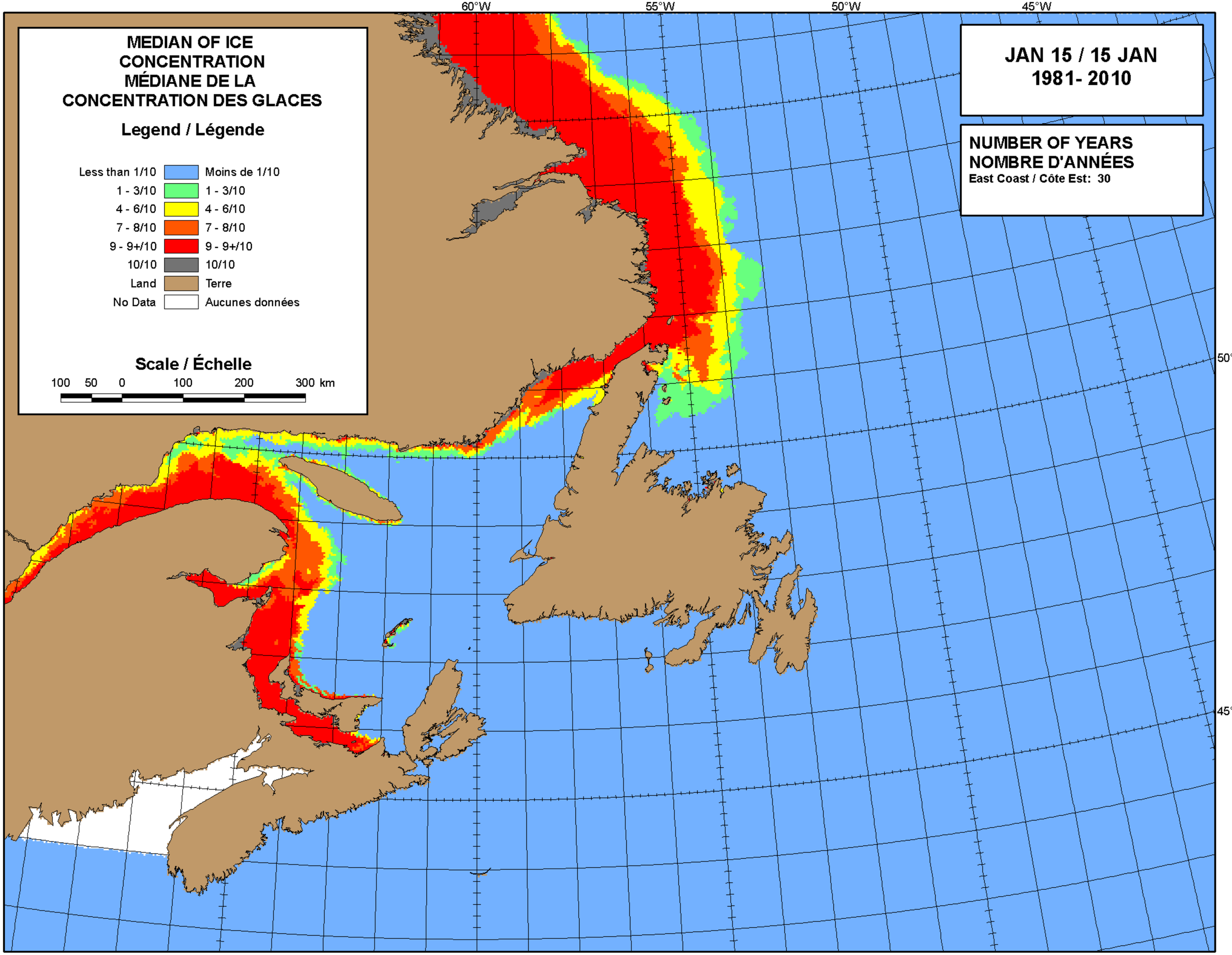
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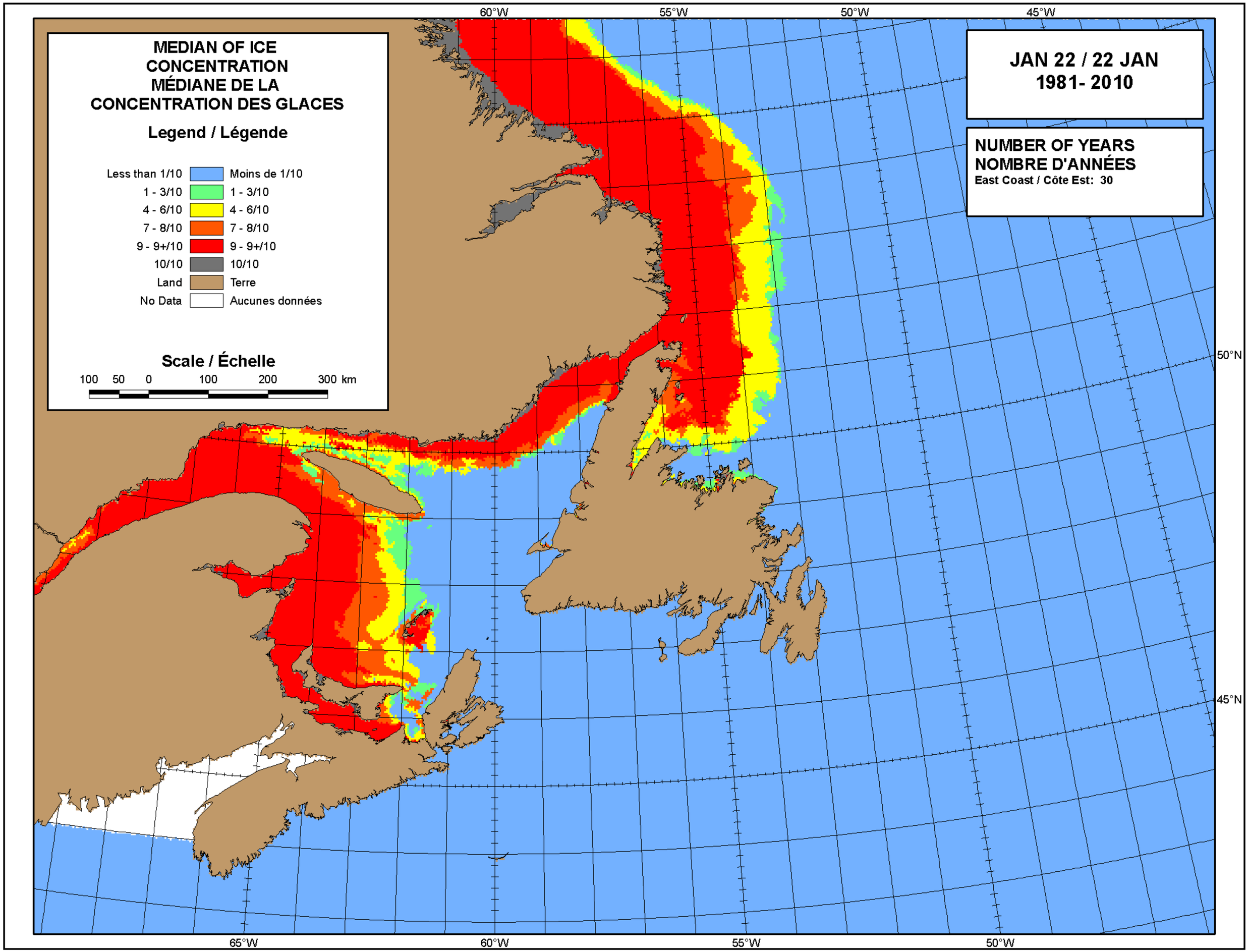
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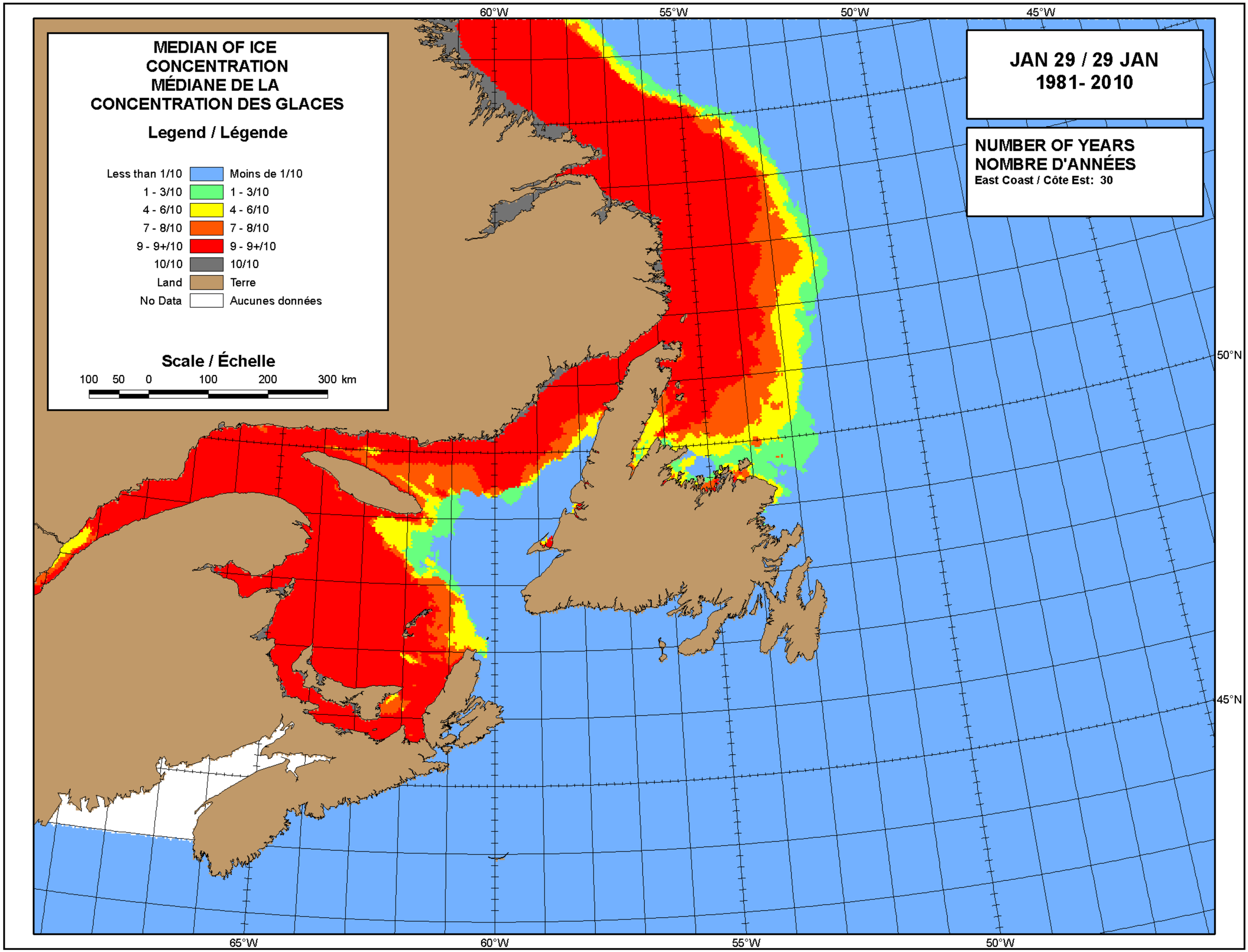
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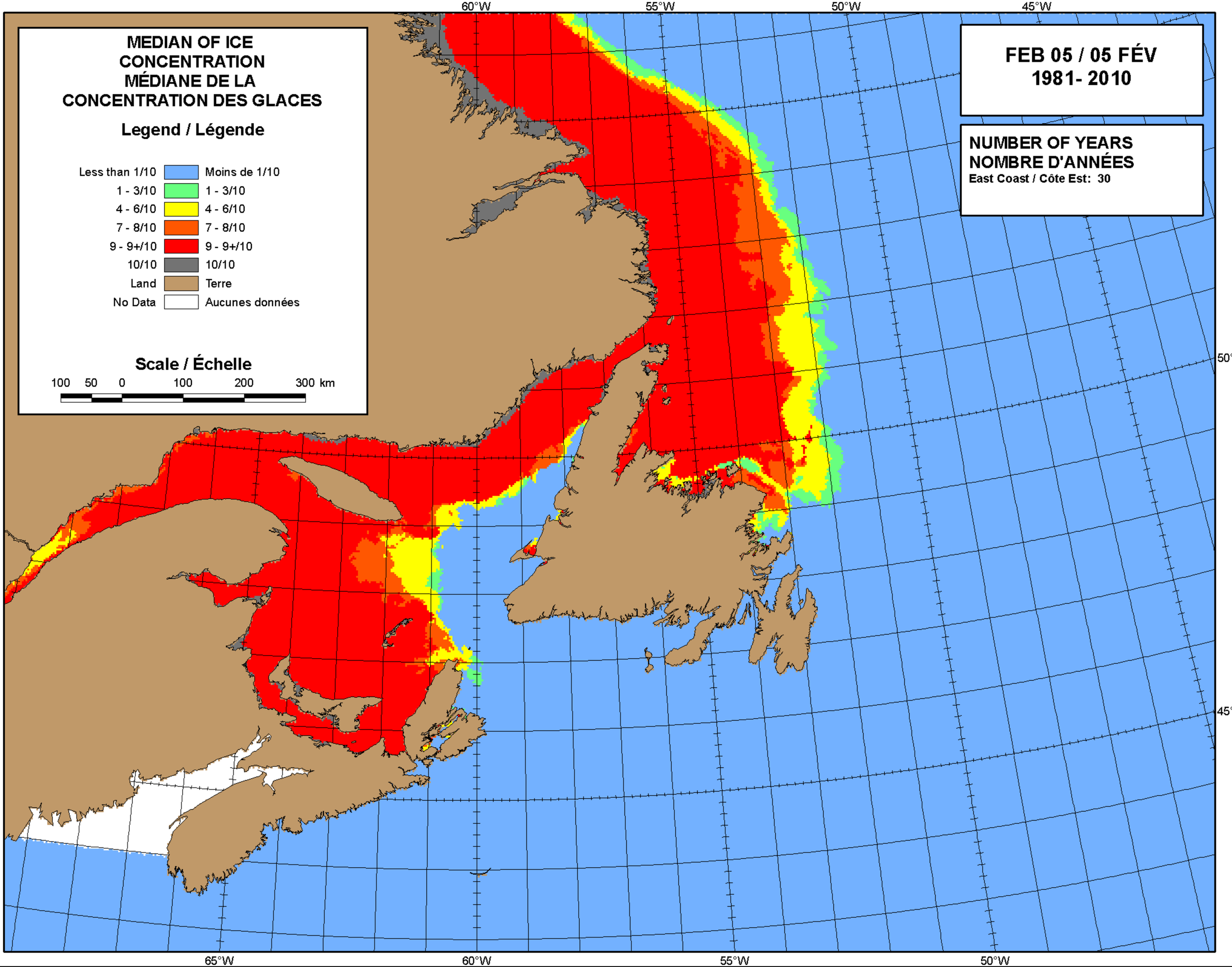
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FEB 05 / 05 FÉV
1981- 2010
NUMBER OF YEARS
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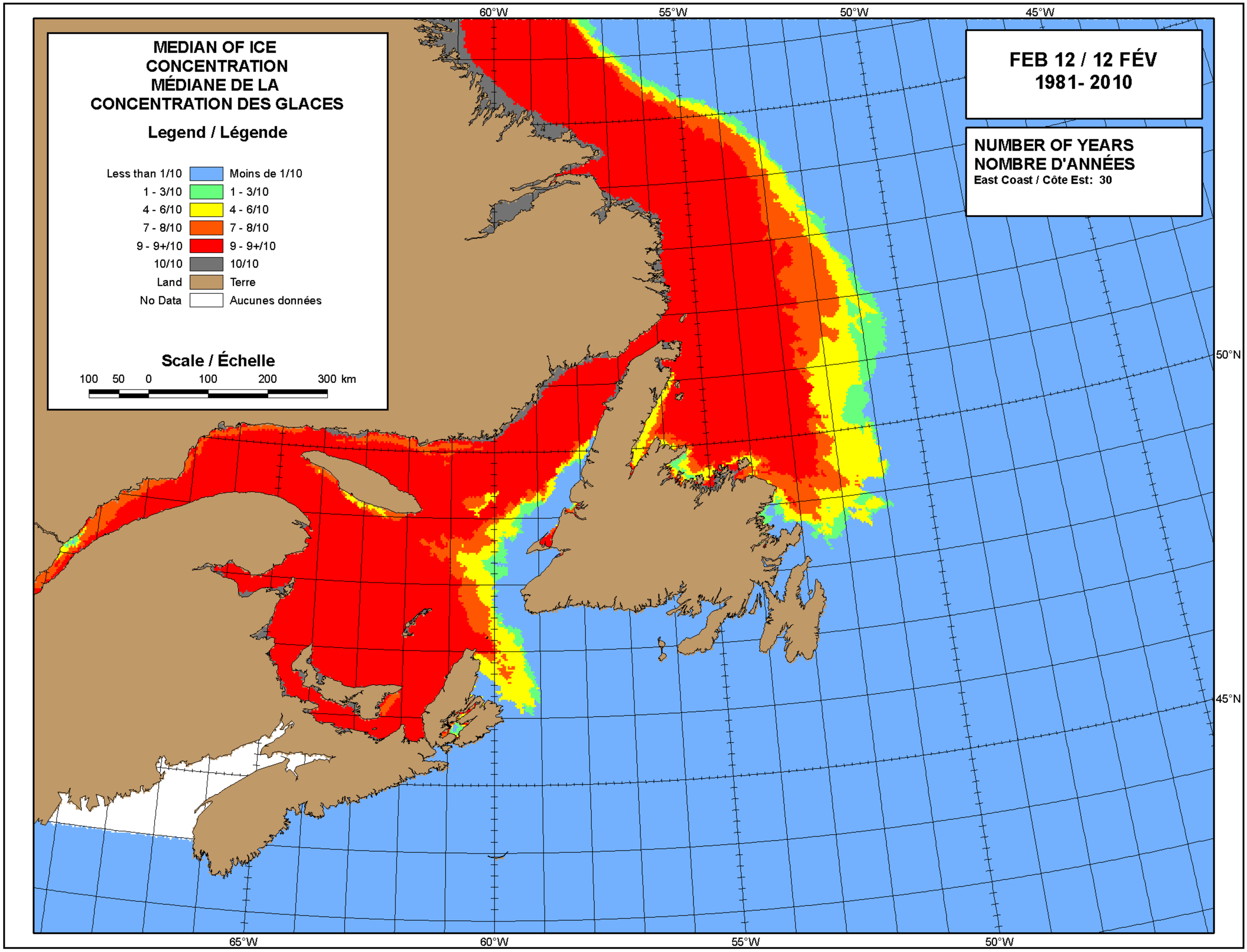
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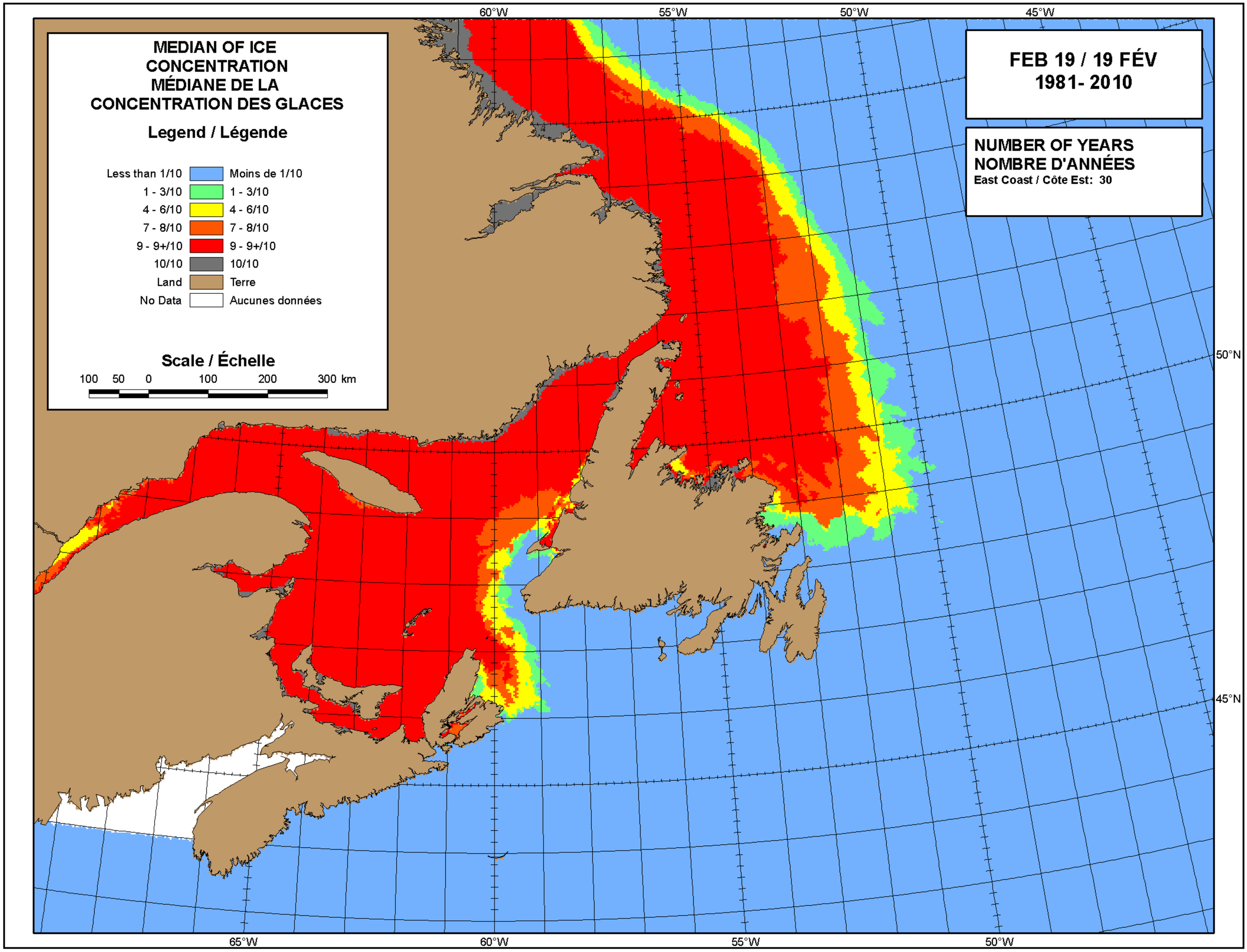
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1981- 2010
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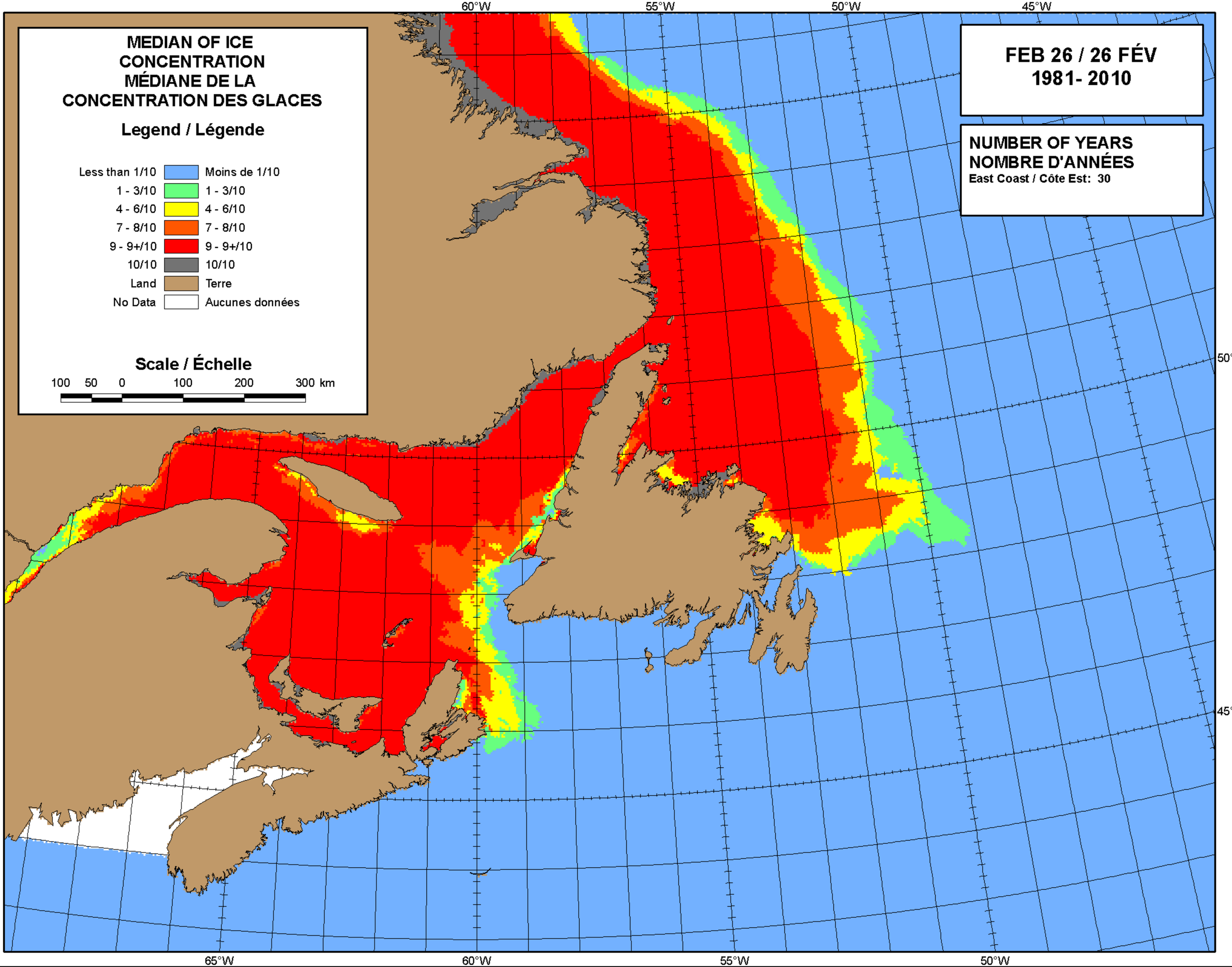
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FEB 26 / 26 FÉV
1981- 2010
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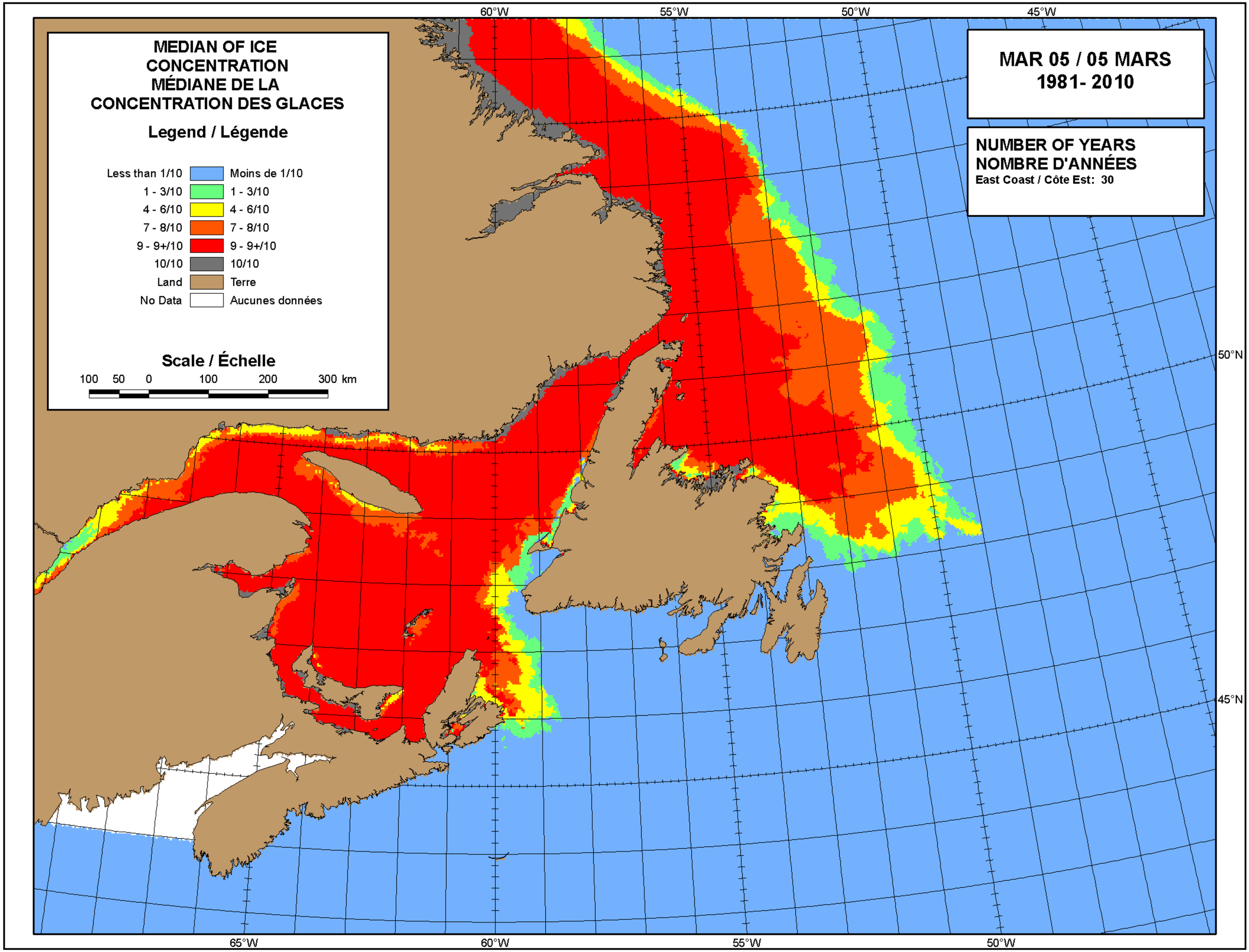
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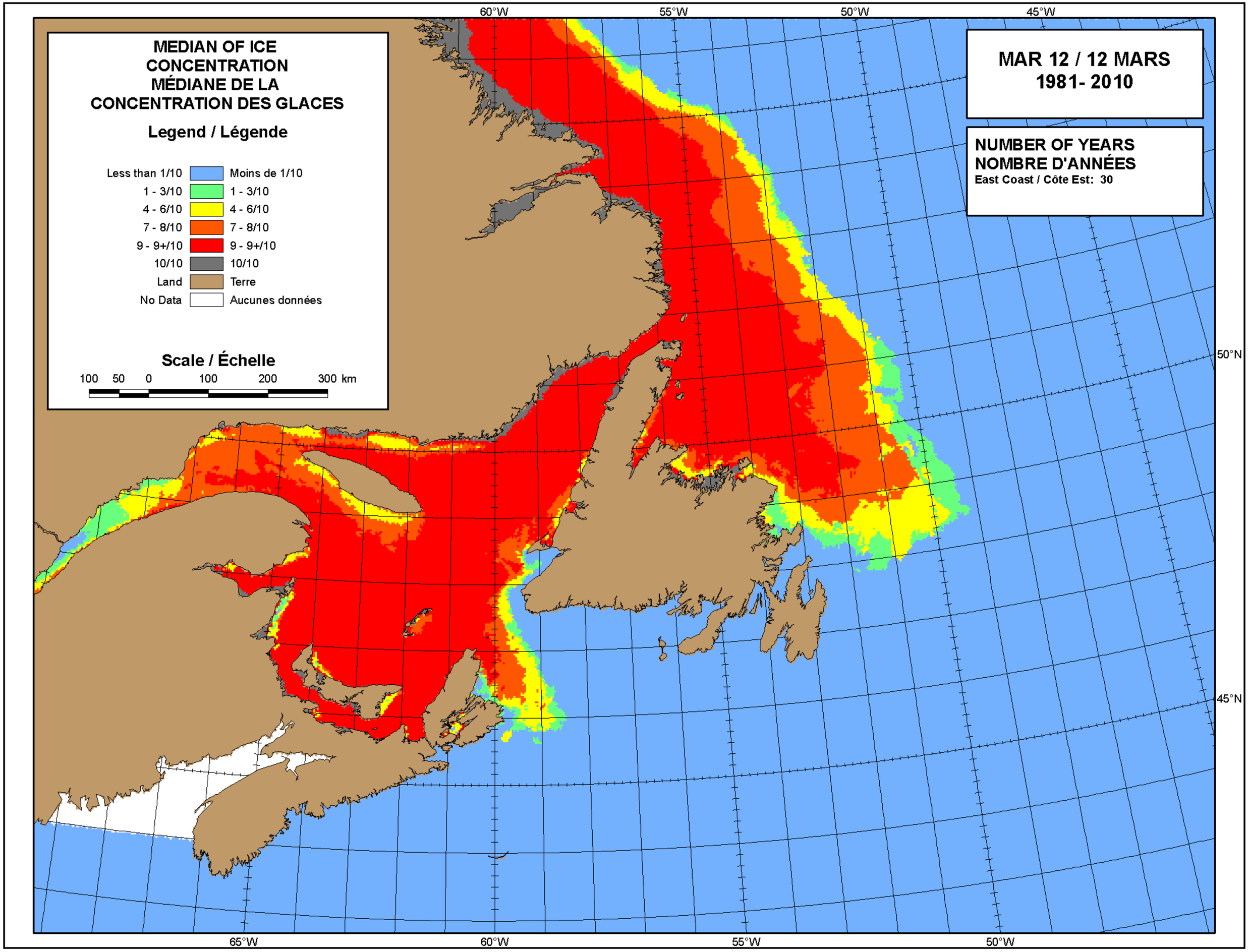
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Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 12 / 12 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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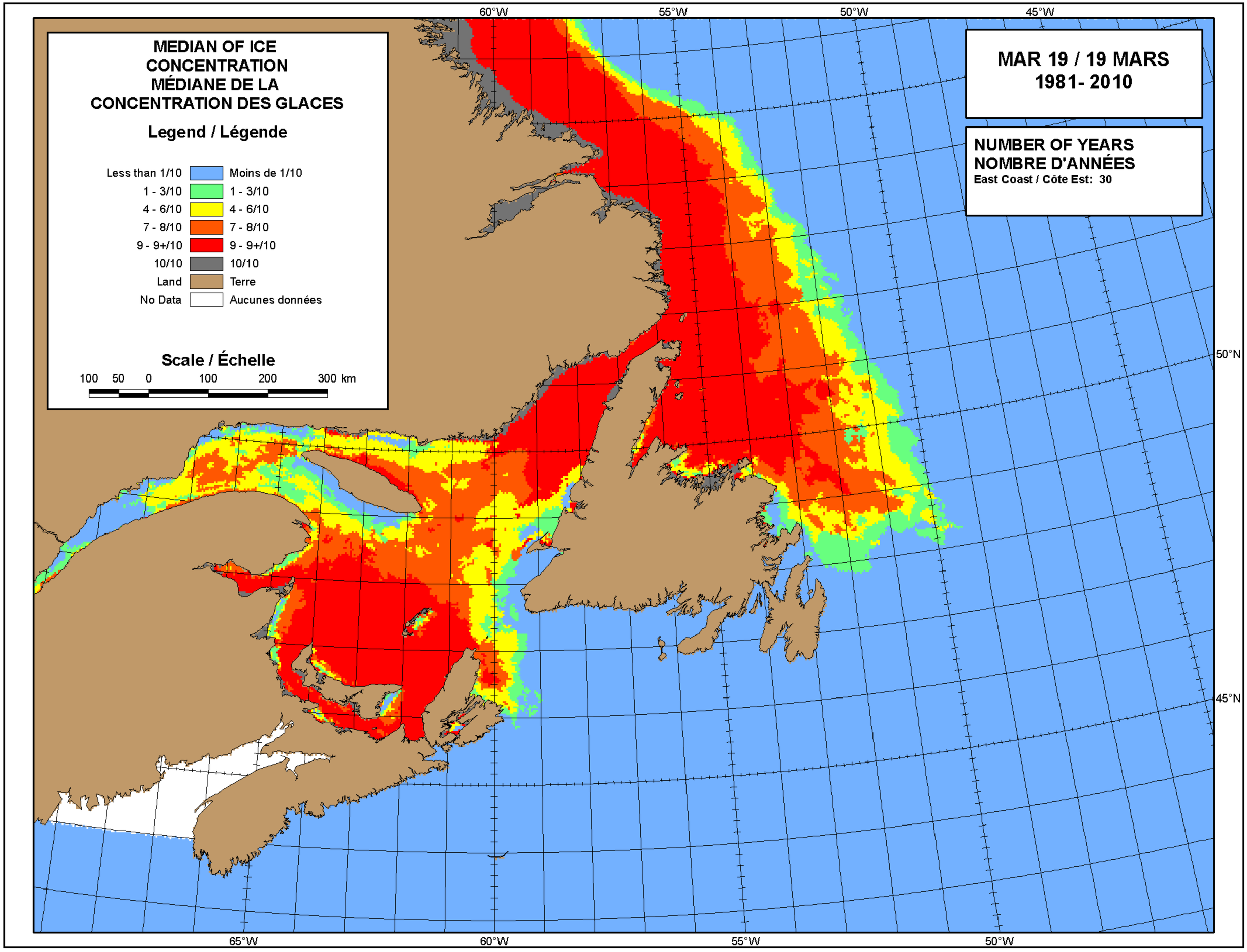
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 19 / 19 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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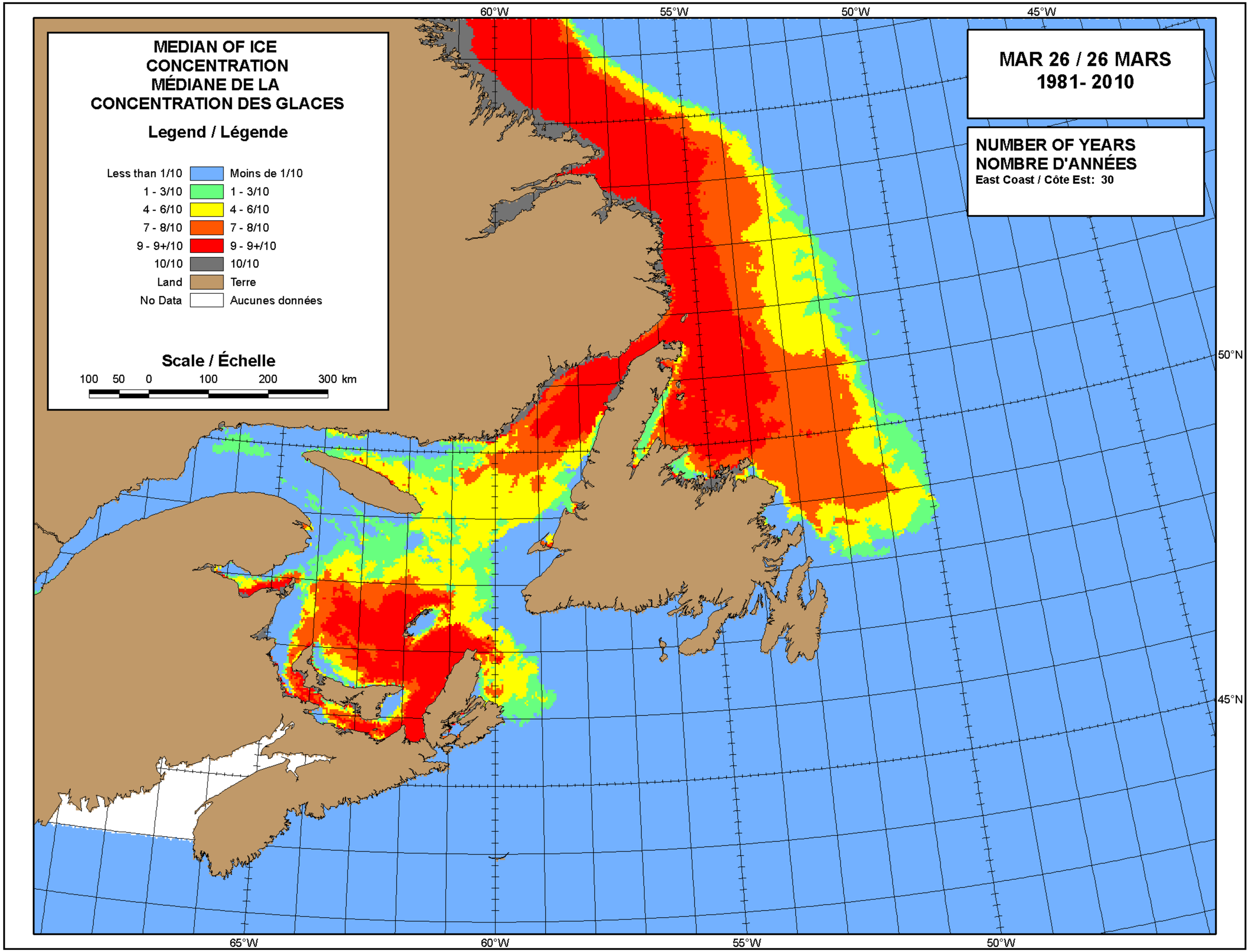
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MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
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4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 26 / 26 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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65°W
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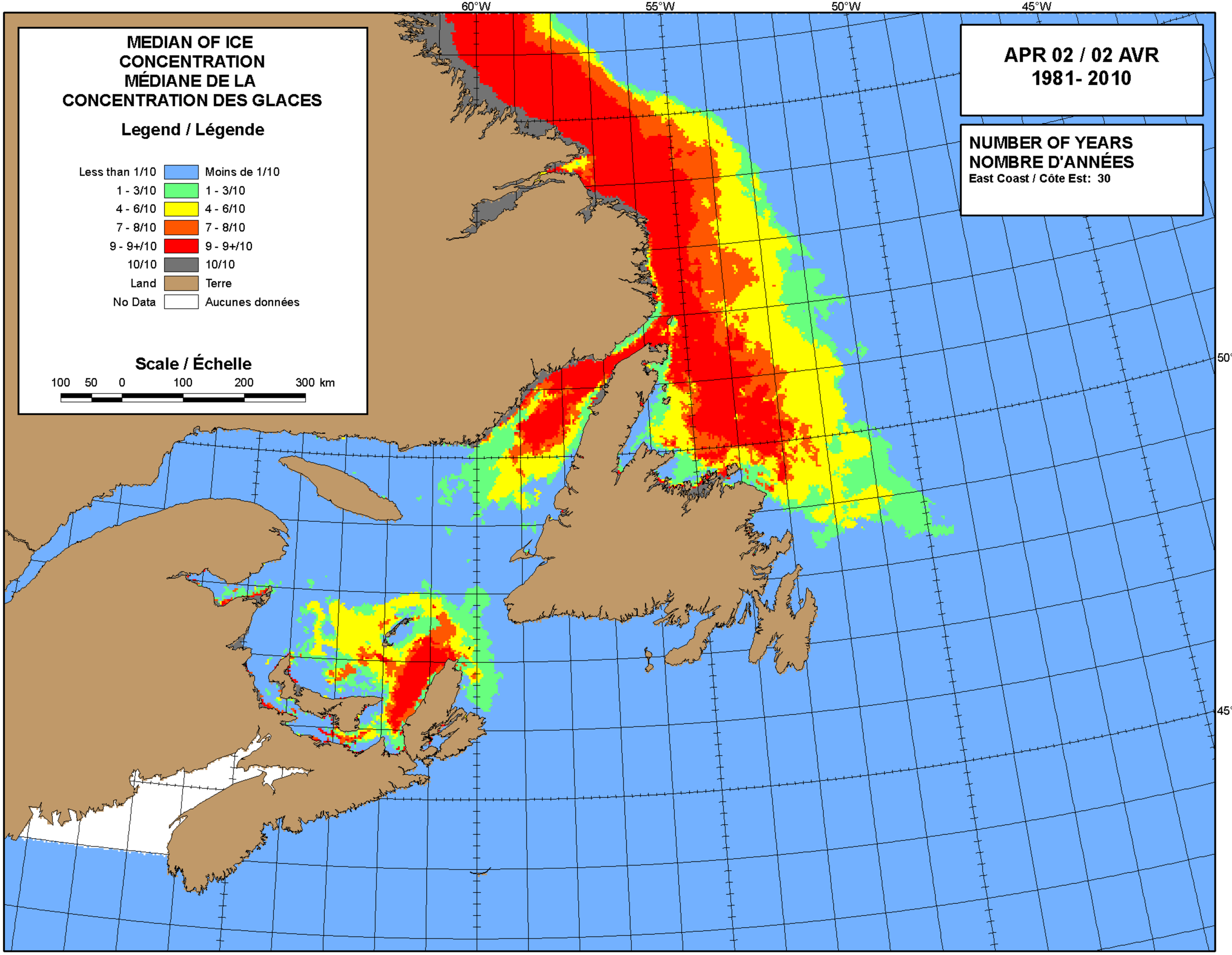
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 02 / 02 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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65°W
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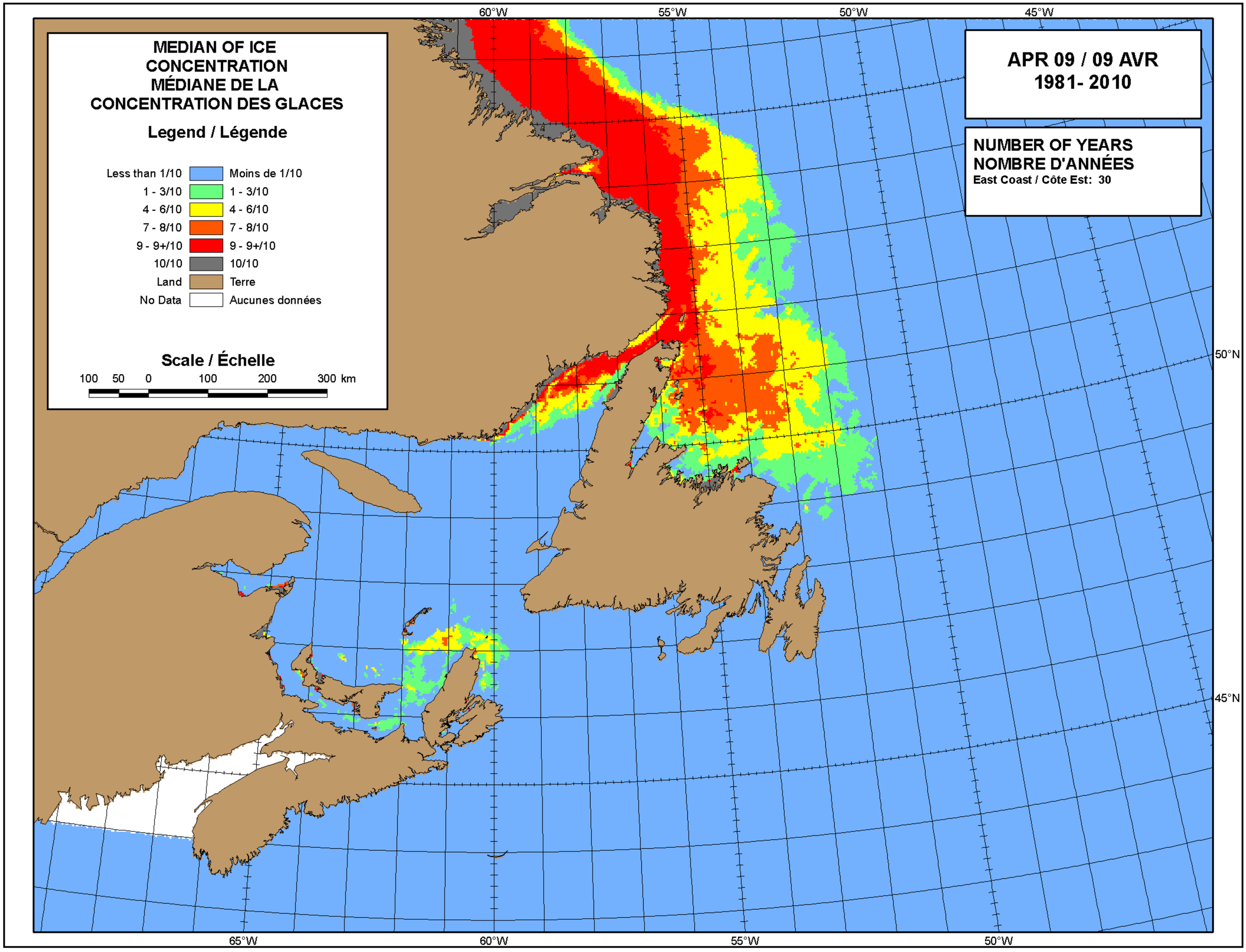
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 09 / 09 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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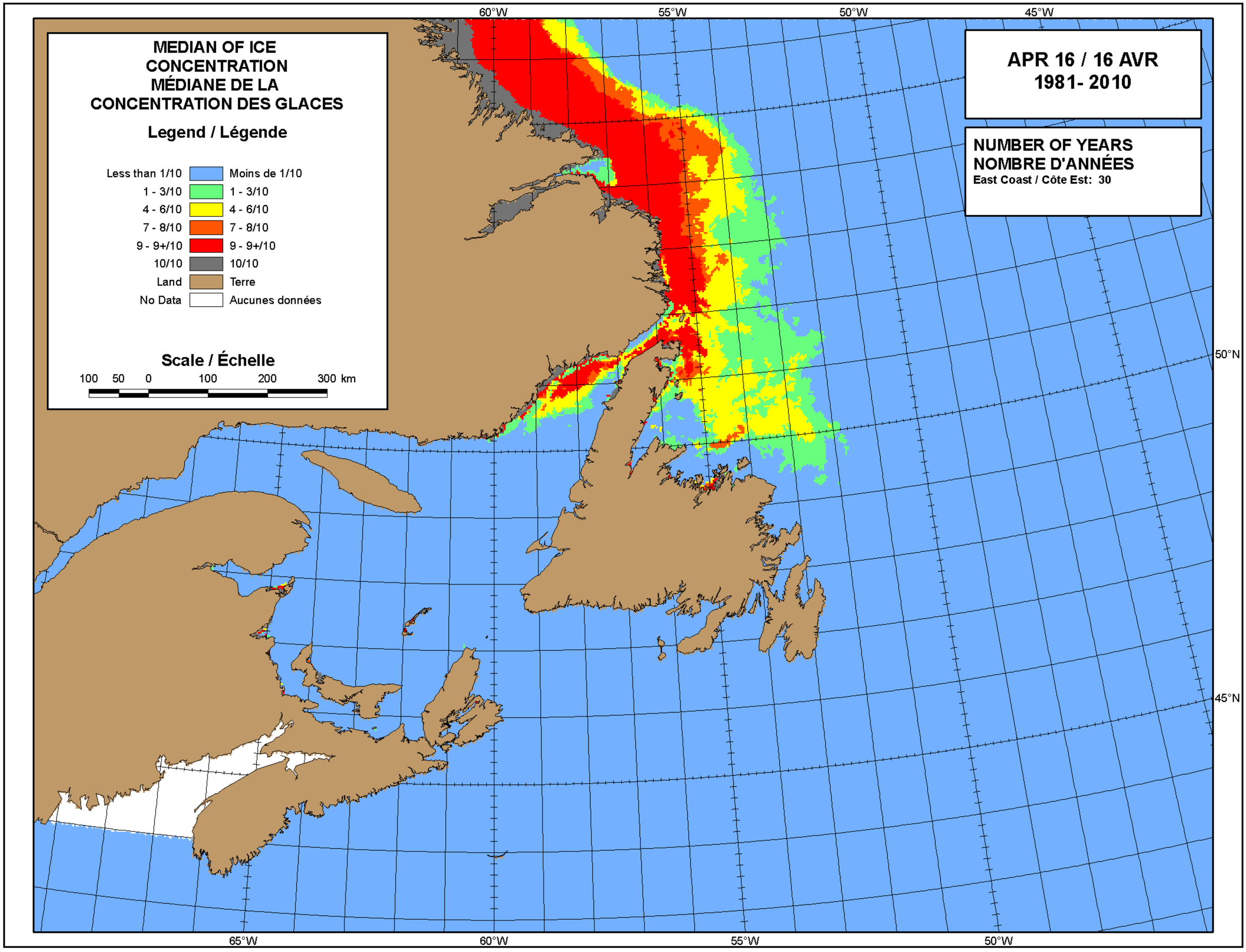
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 16 / 16 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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45°N
65°W
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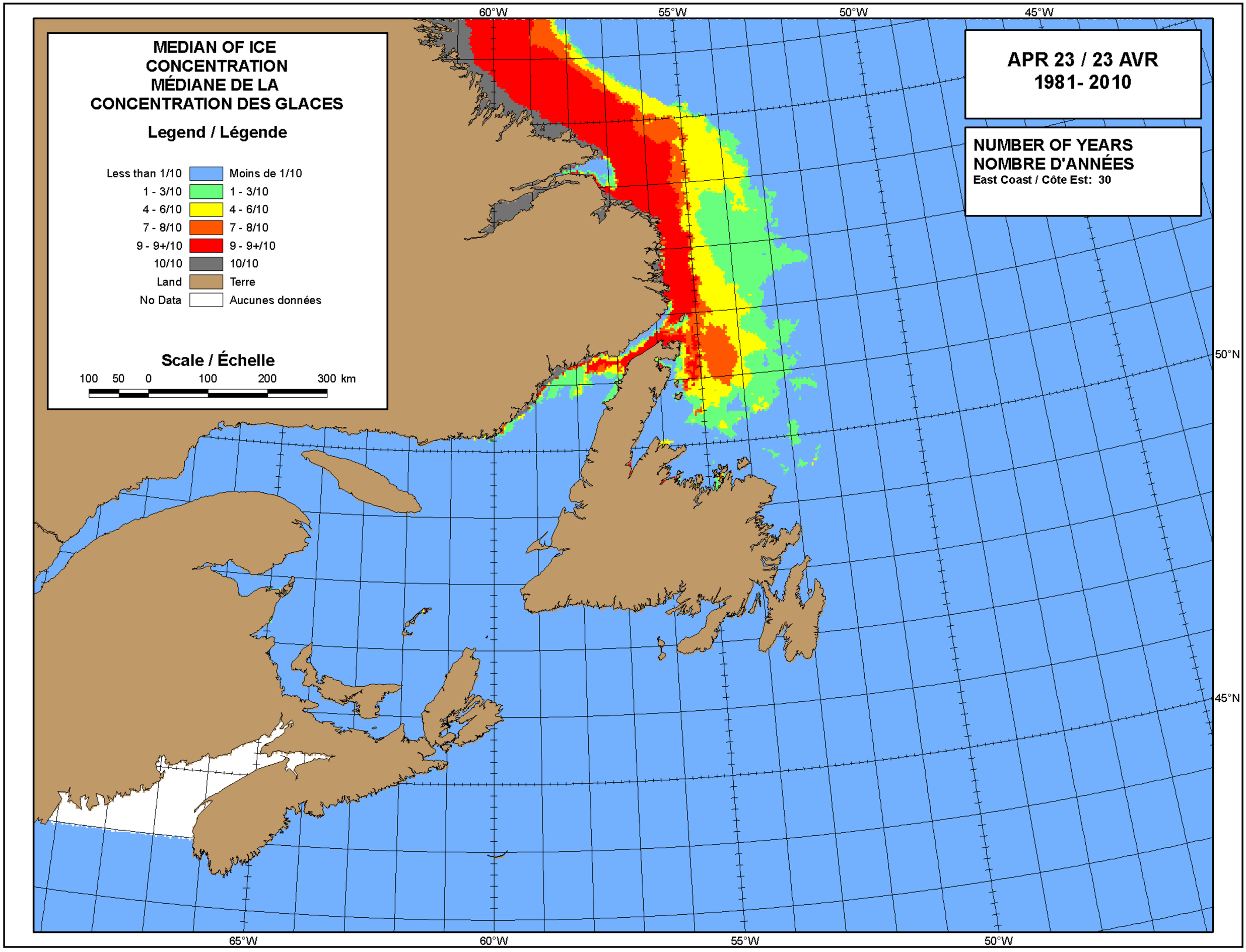
55°W
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 23 / 23 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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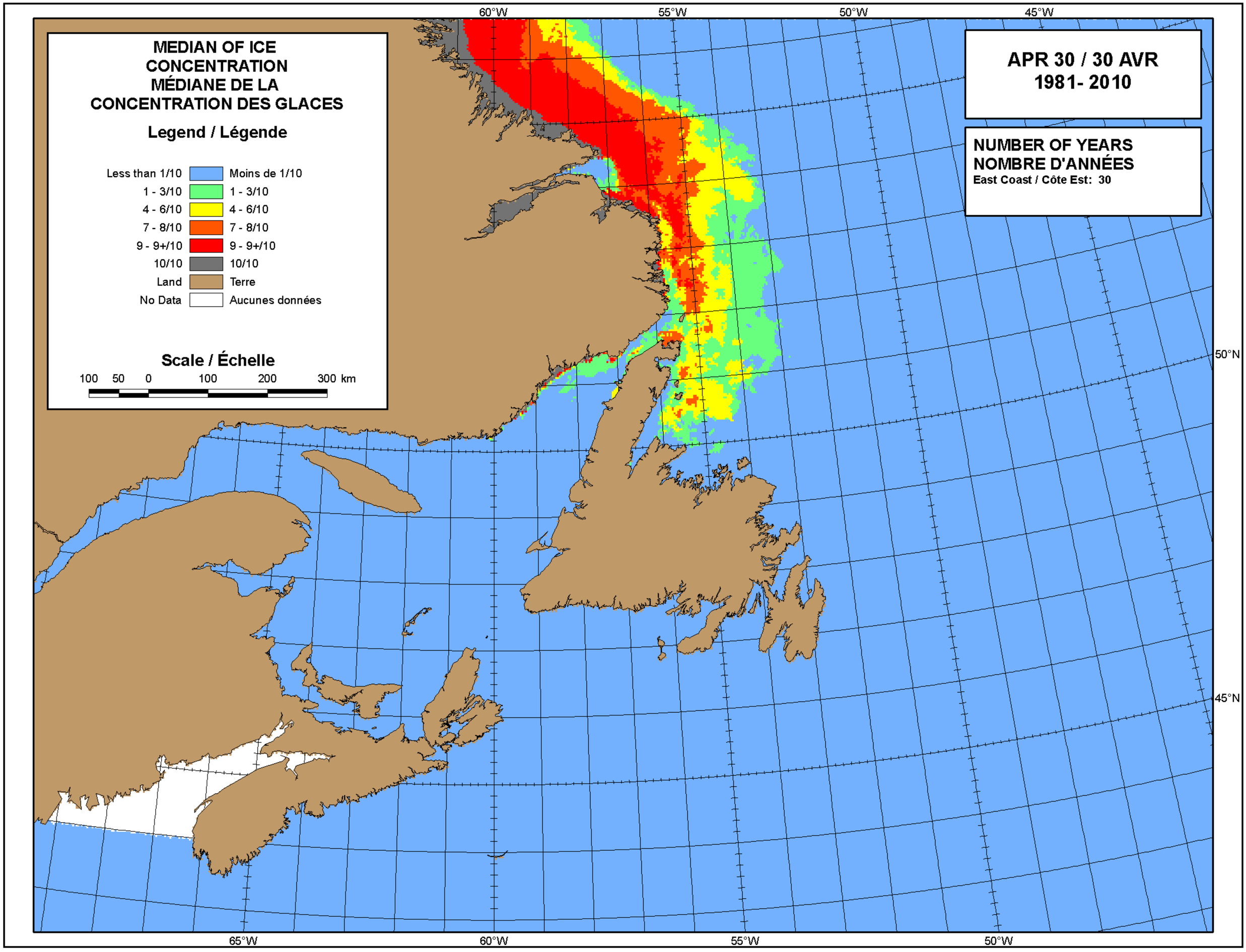
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 30 / 30 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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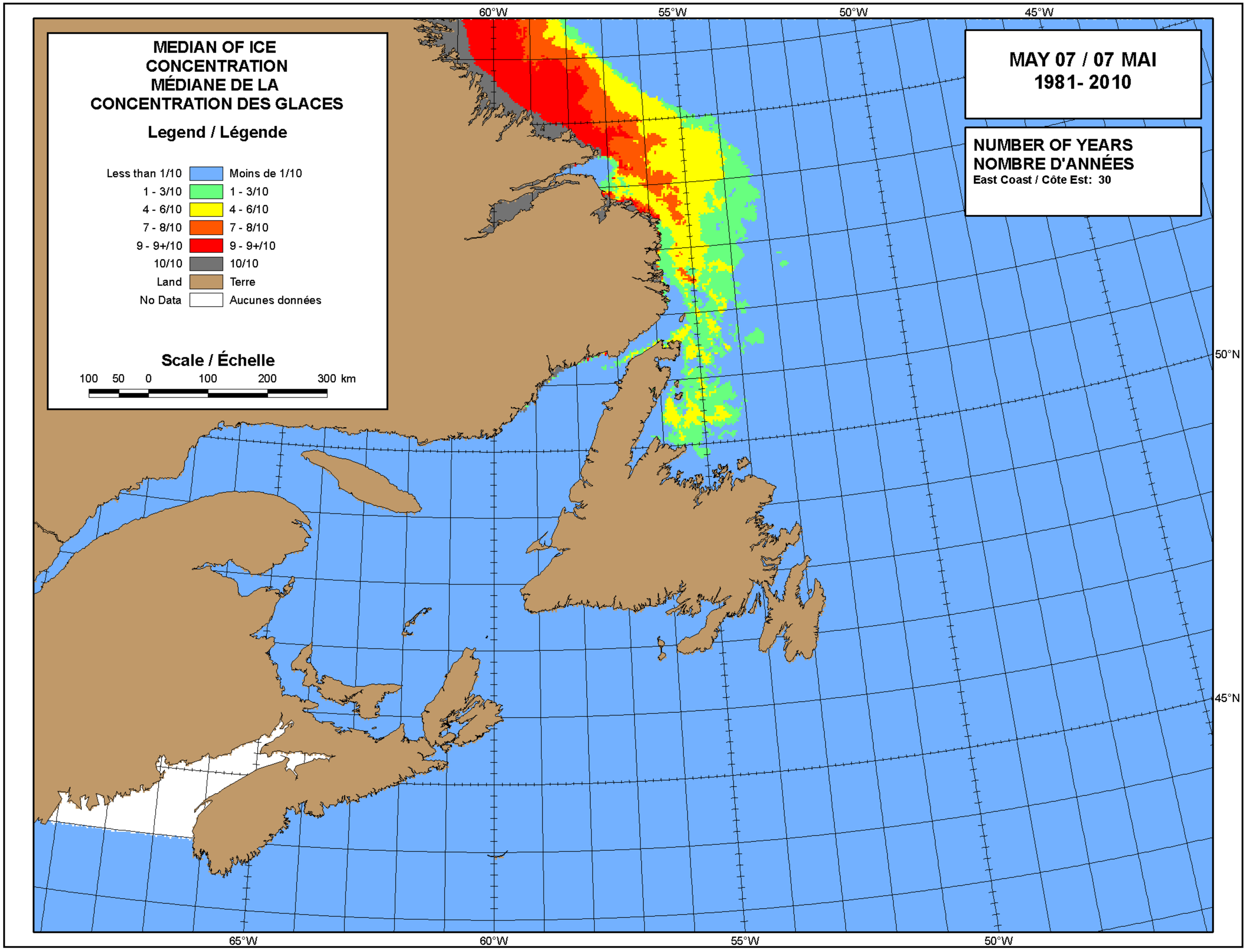
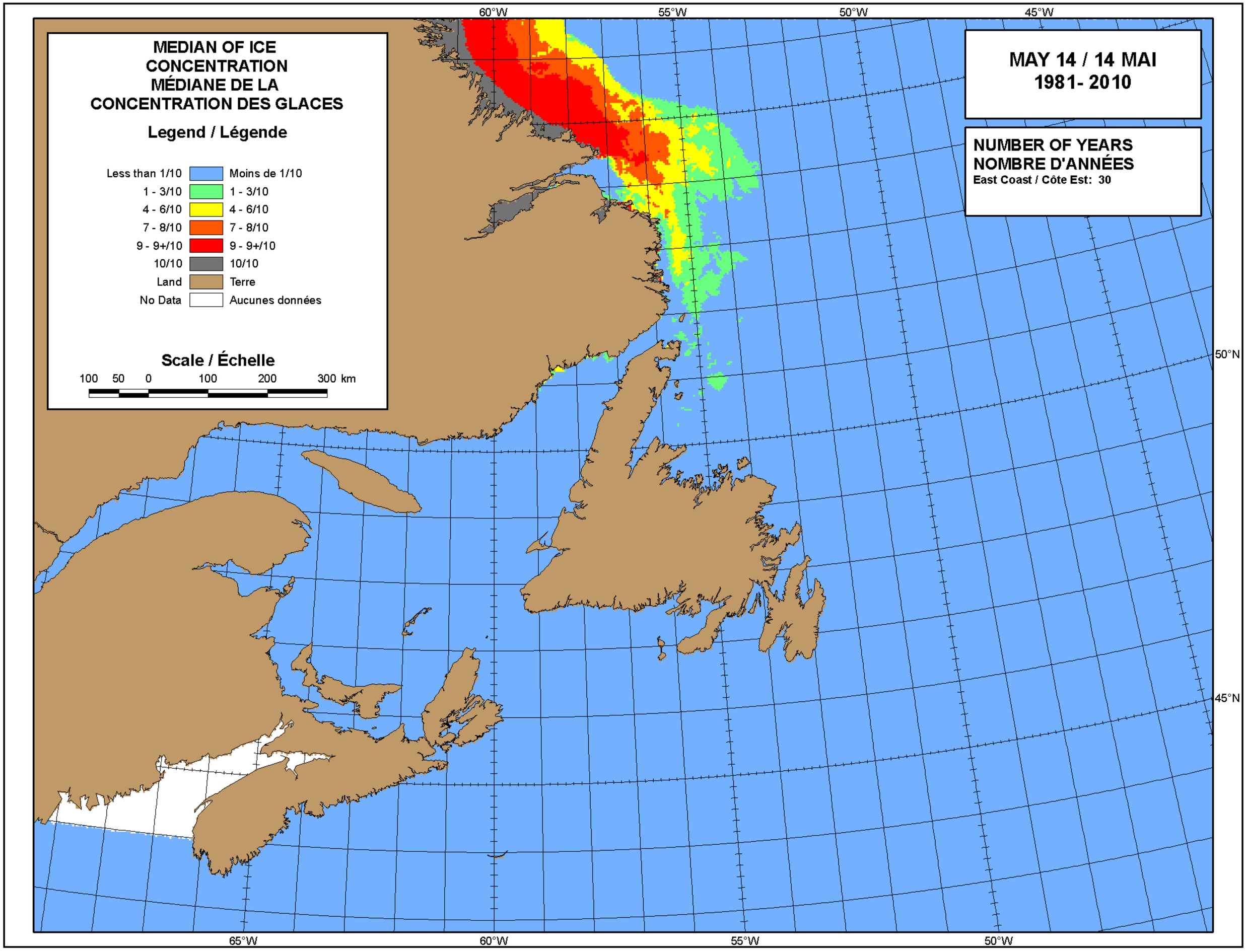
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 07 / 07 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 14 / 14 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
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45°W
50°N
45°N
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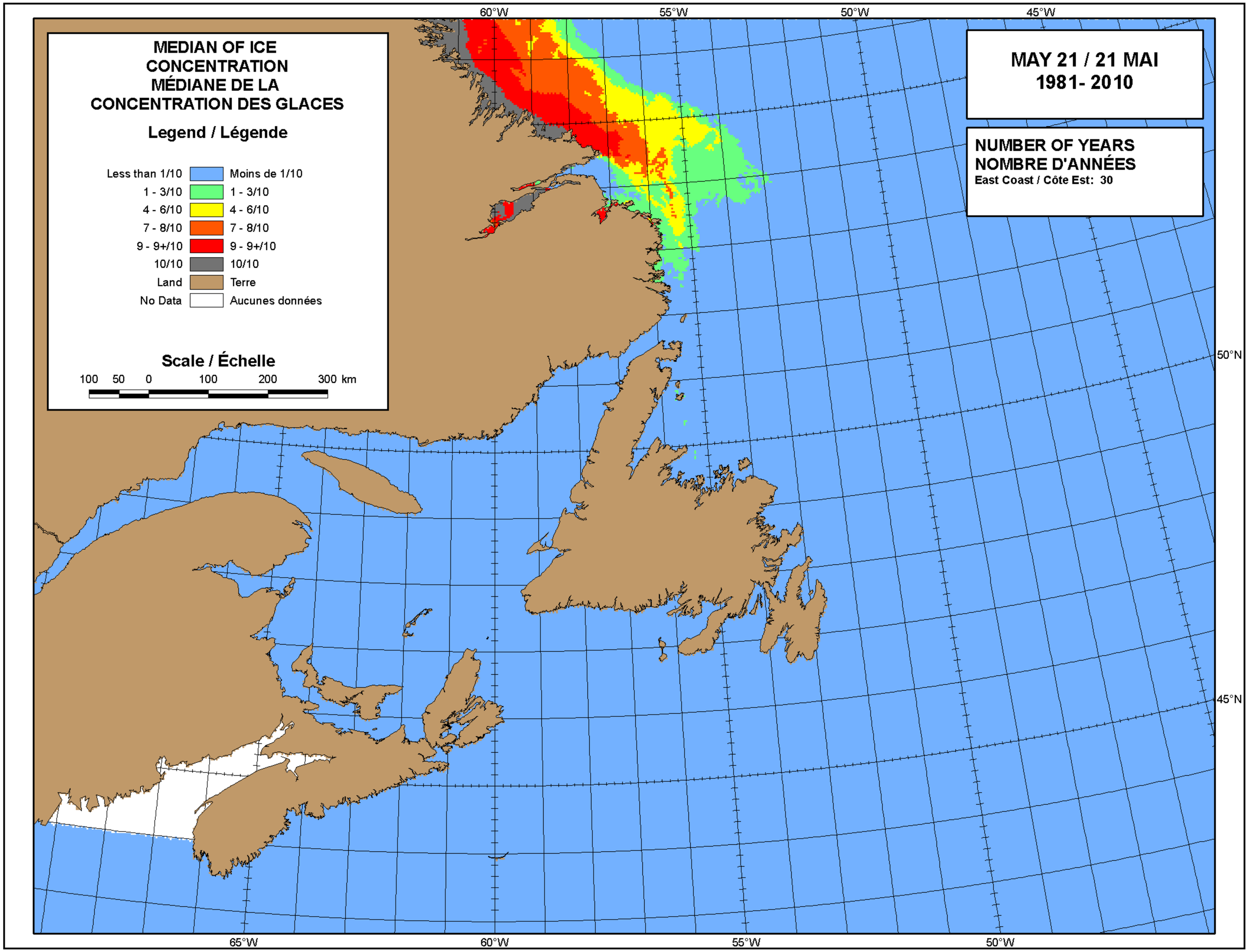
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 21 / 21 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
50°W
45°W
50°N
45°N
65°W
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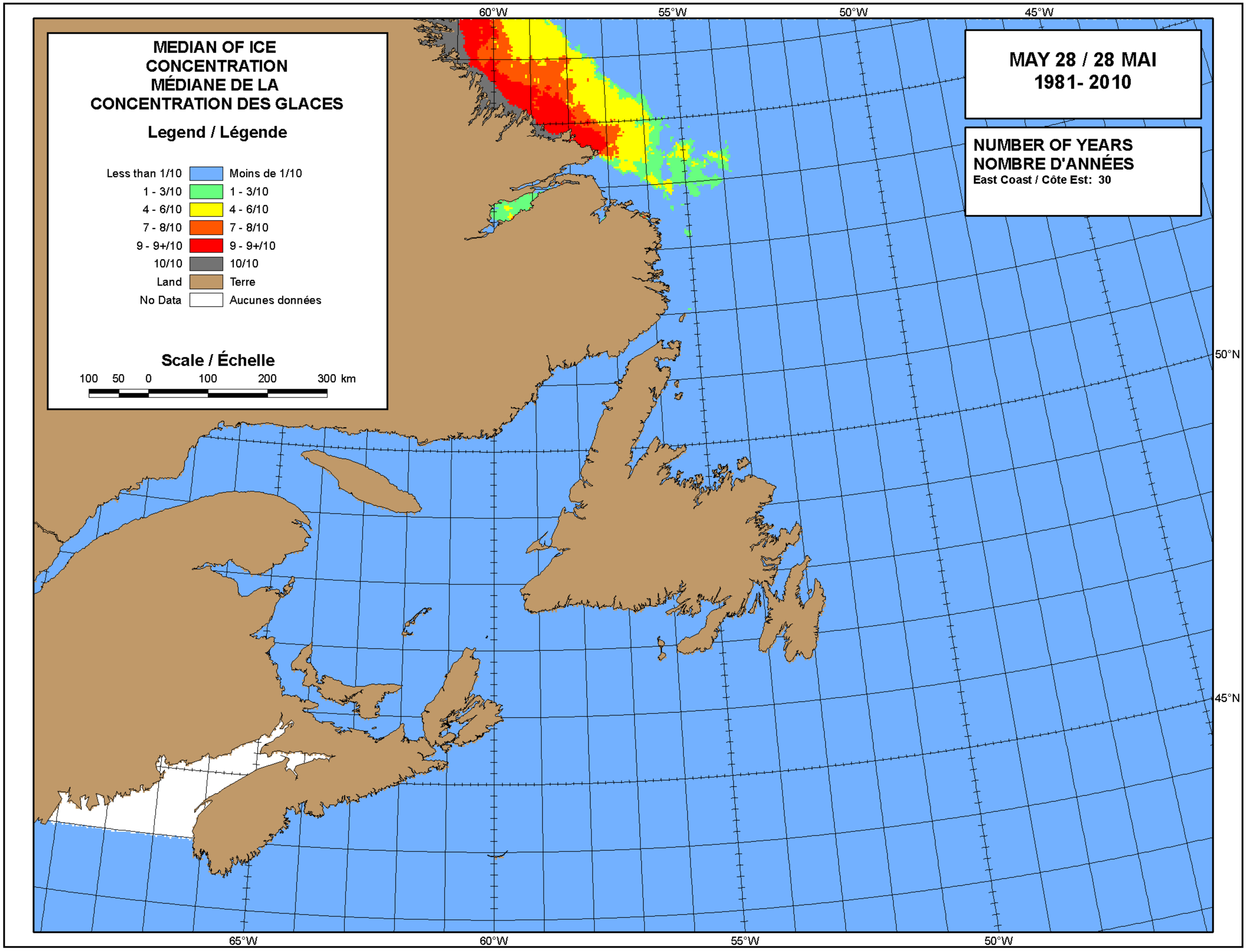
55°W
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 28 / 28 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
50°W
45°W
50°N
45°N
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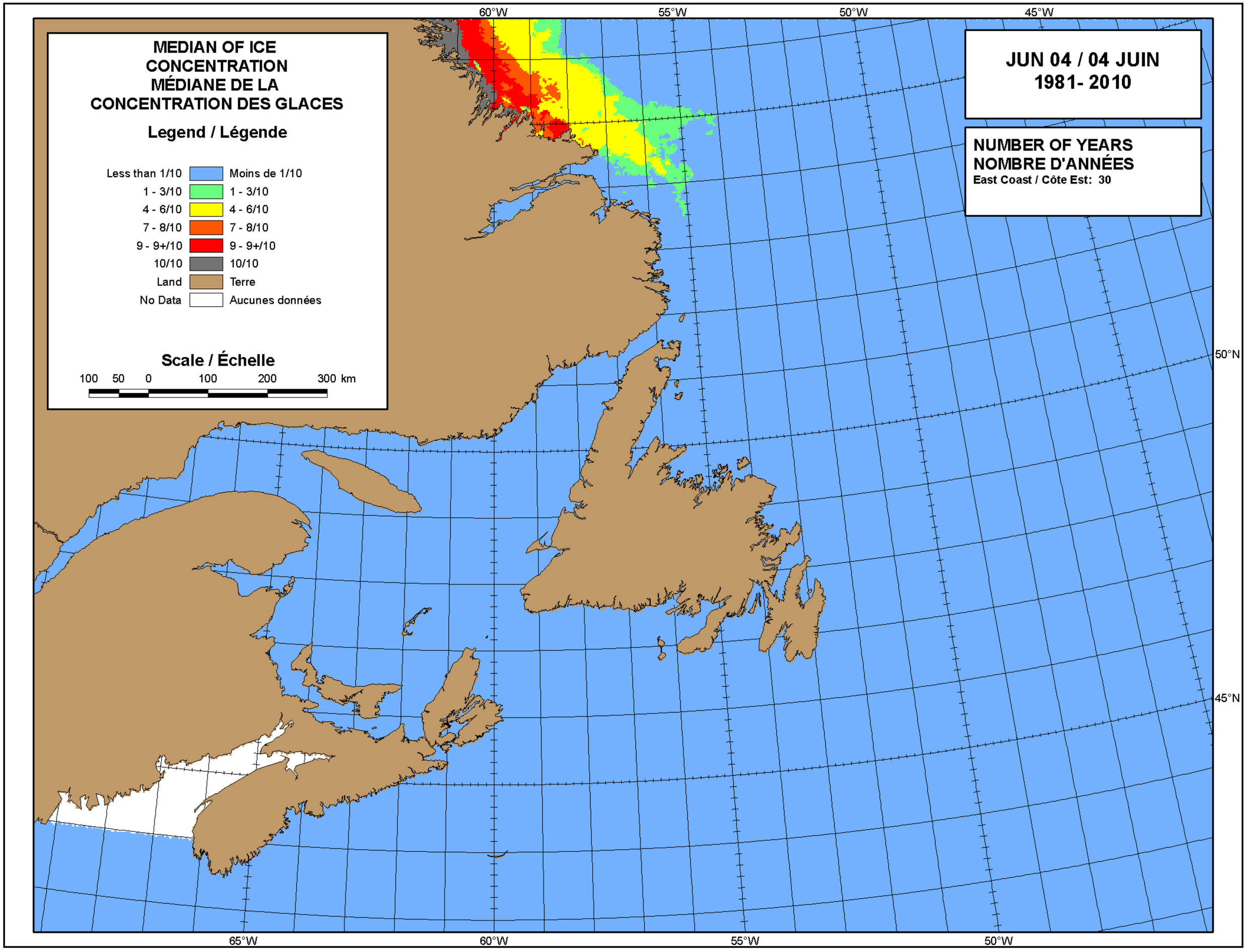
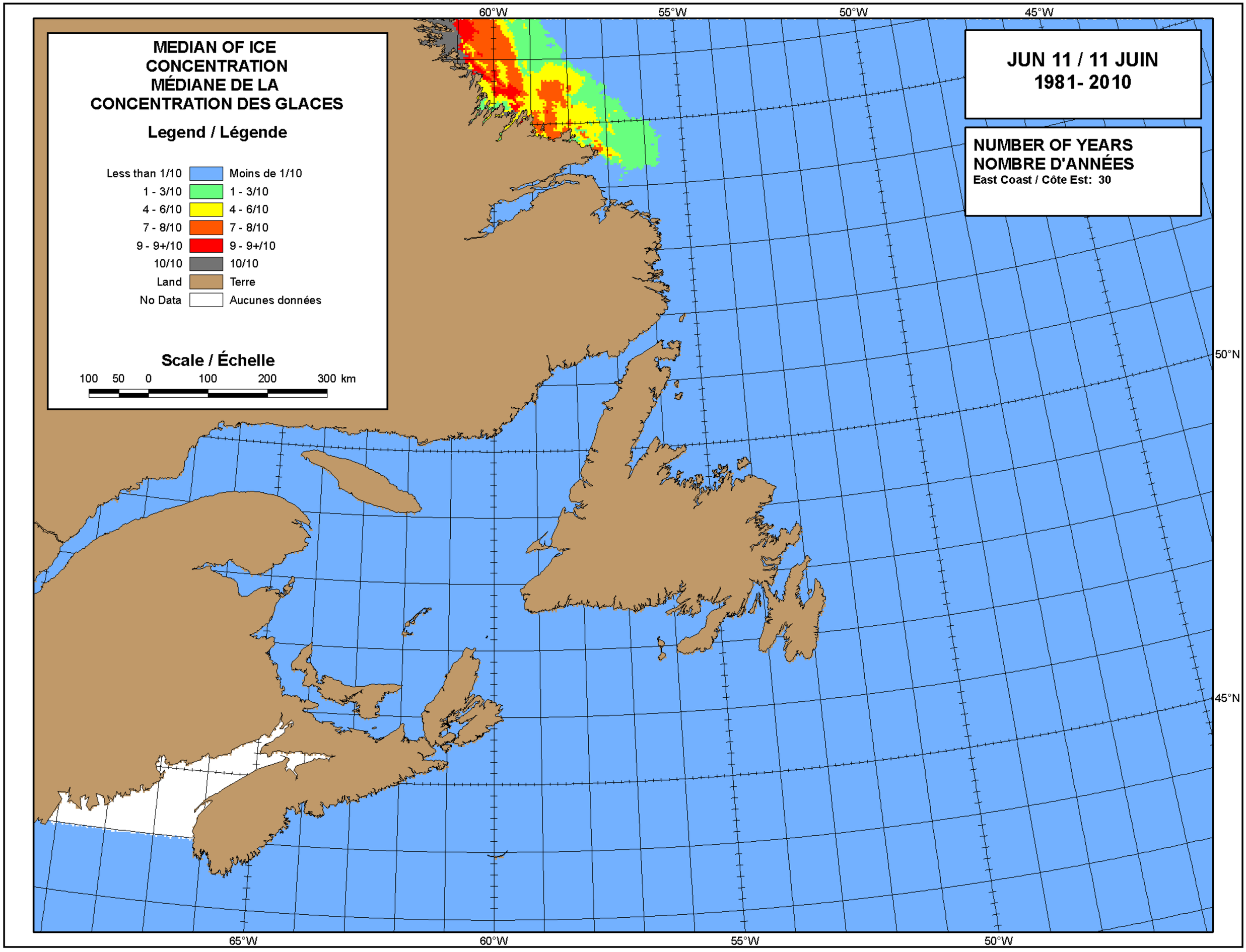
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 04 / 04 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 11 / 11 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
50°W
45°W
50°N
45°N
65°W
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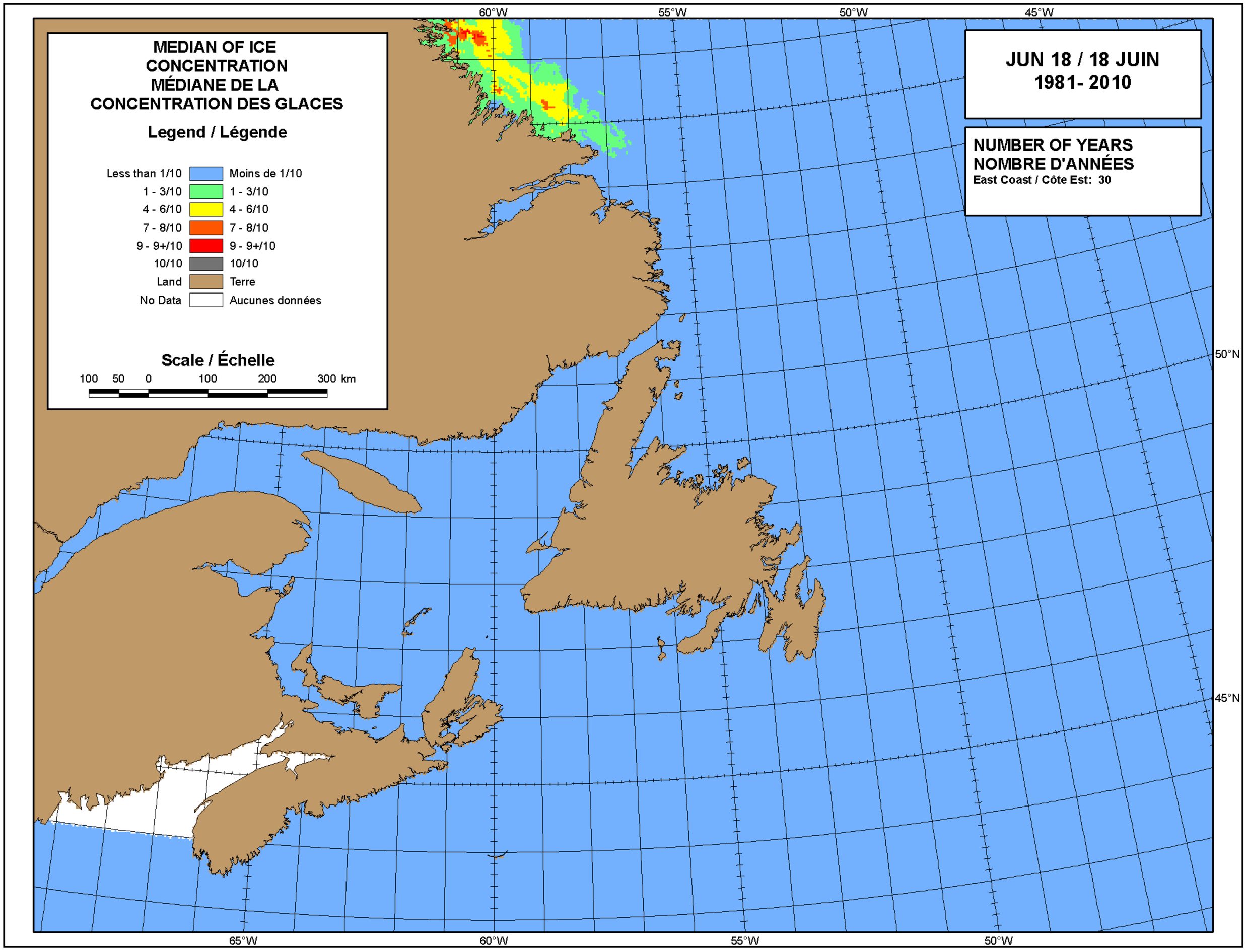
MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 18 / 18 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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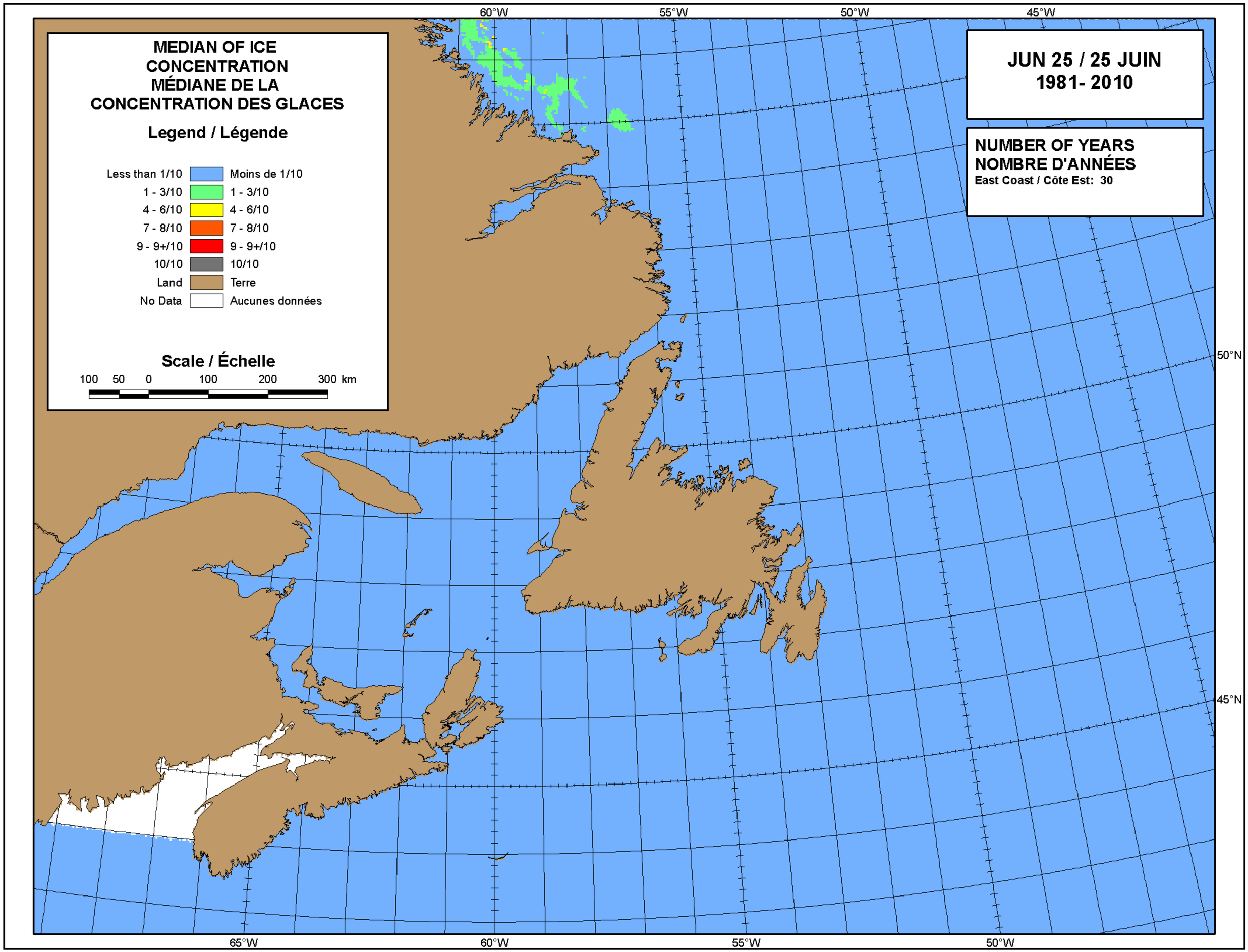
MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 25 / 25 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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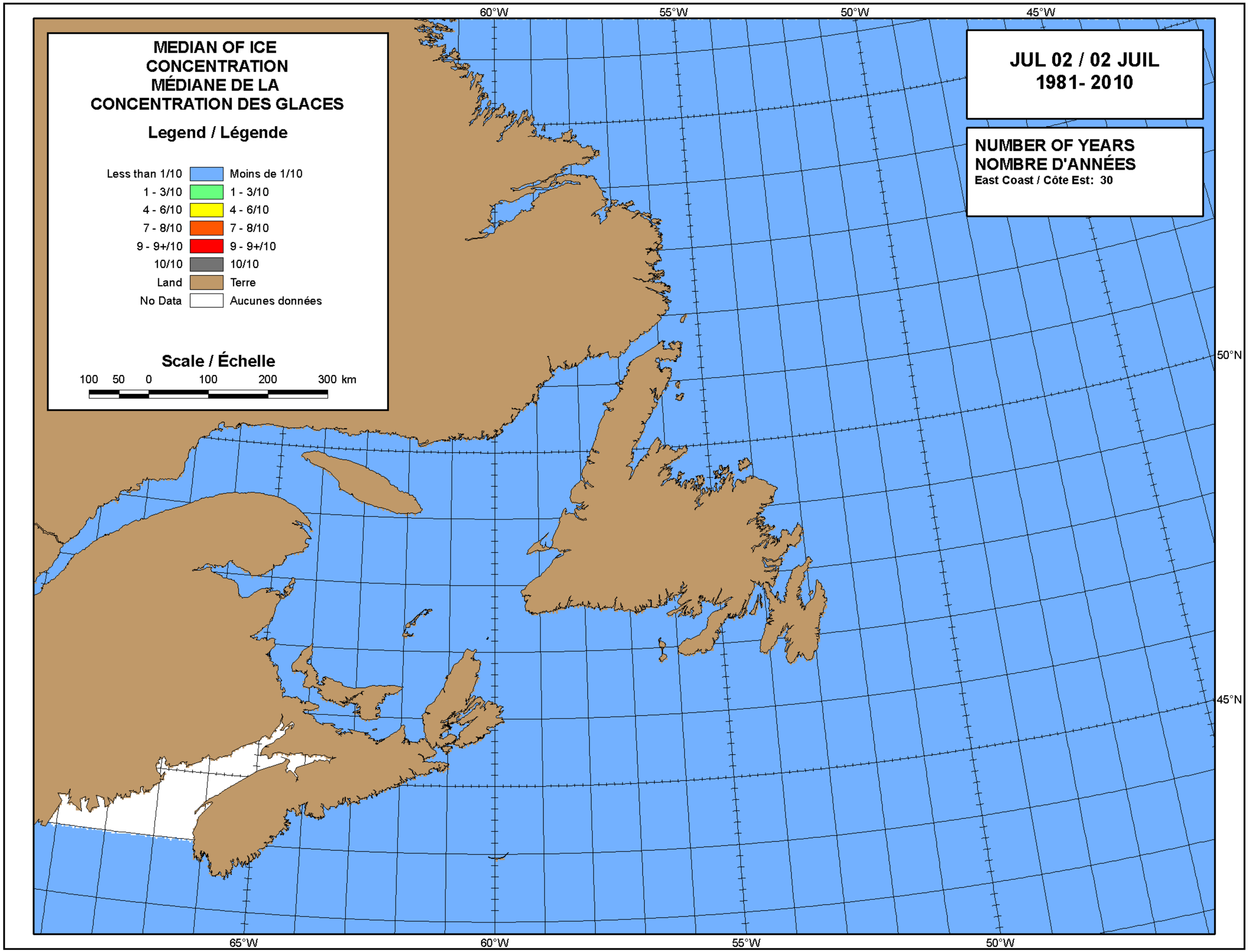
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 02 / 02 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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50°N
45°N
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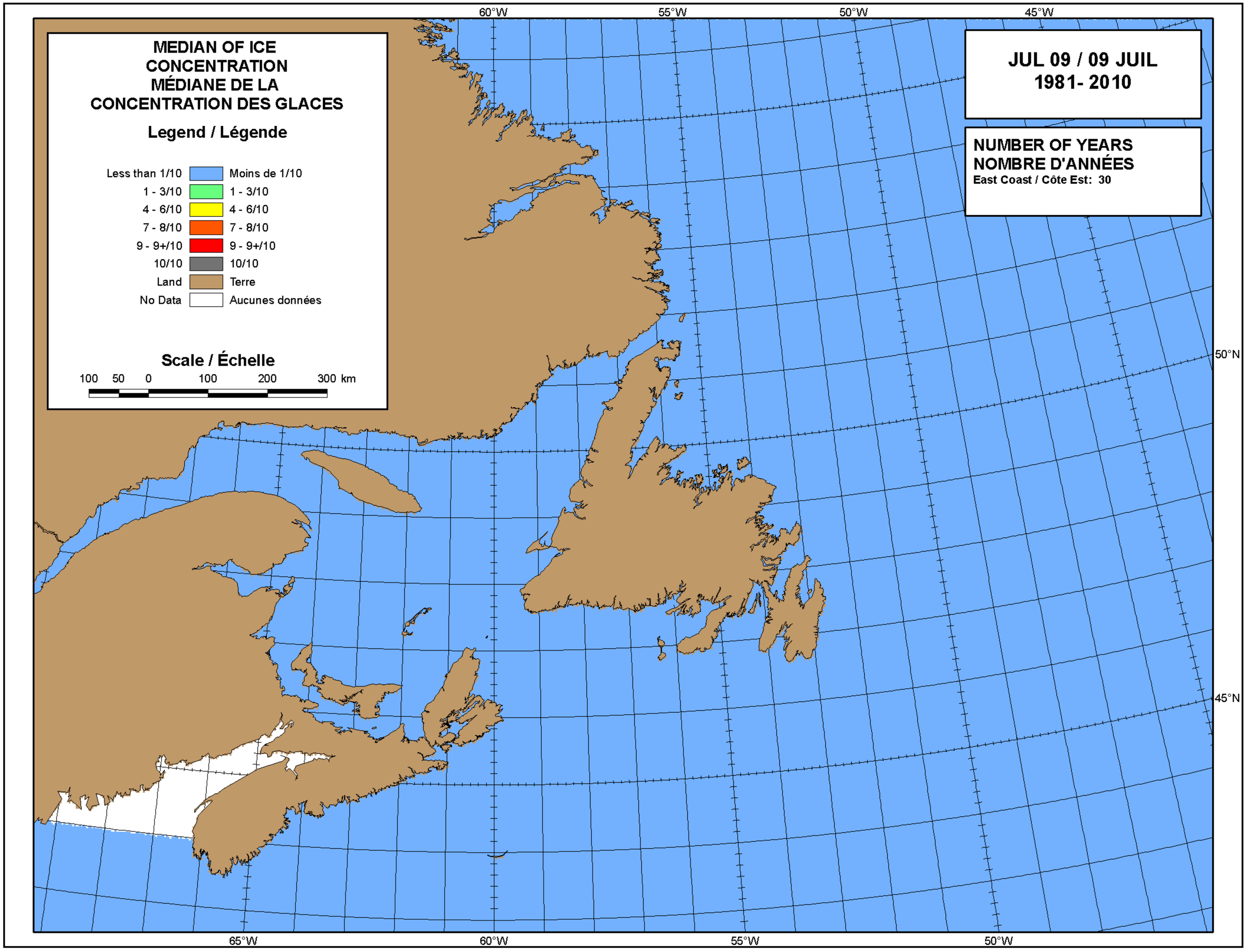
MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 09 / 09 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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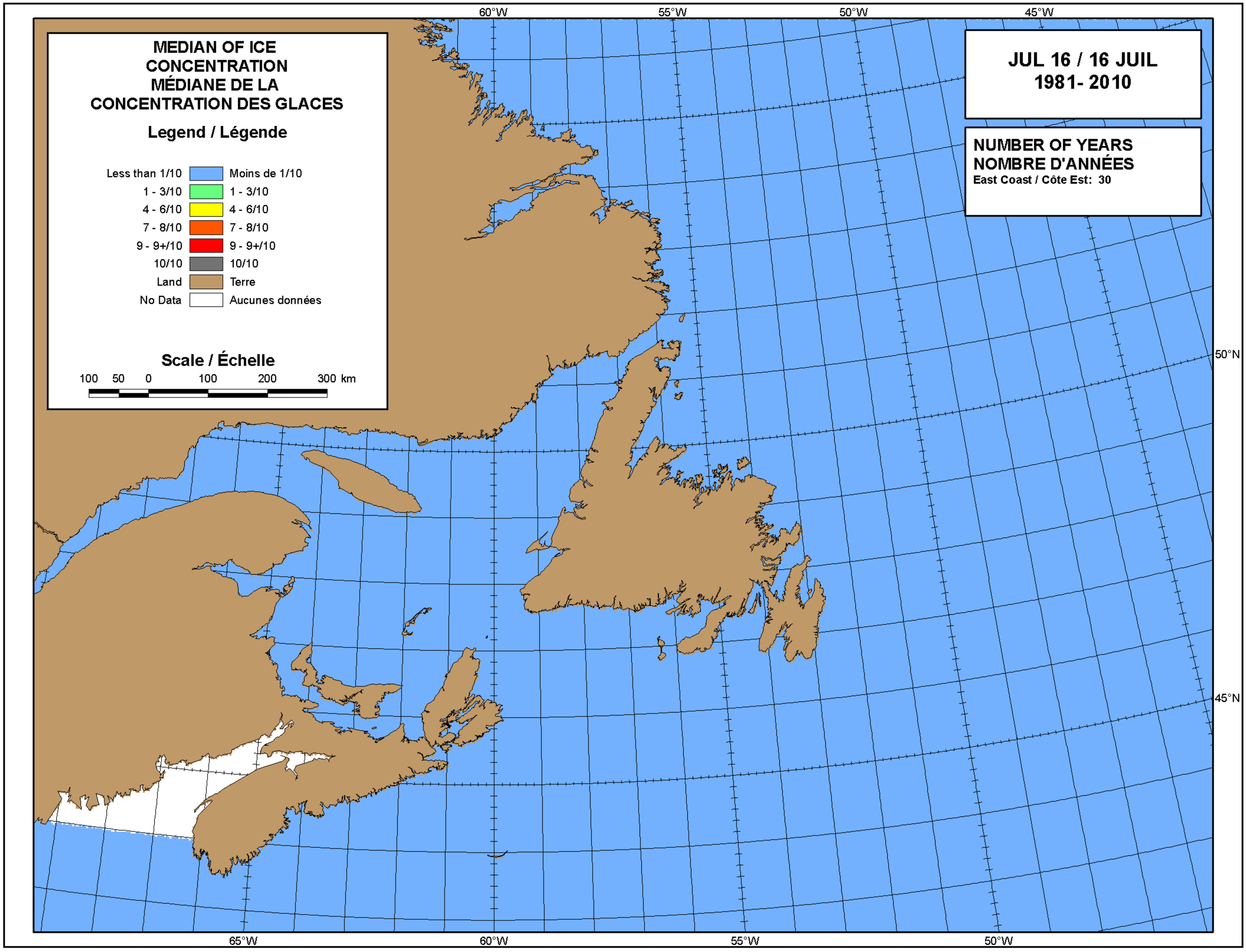
MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 16 / 16 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
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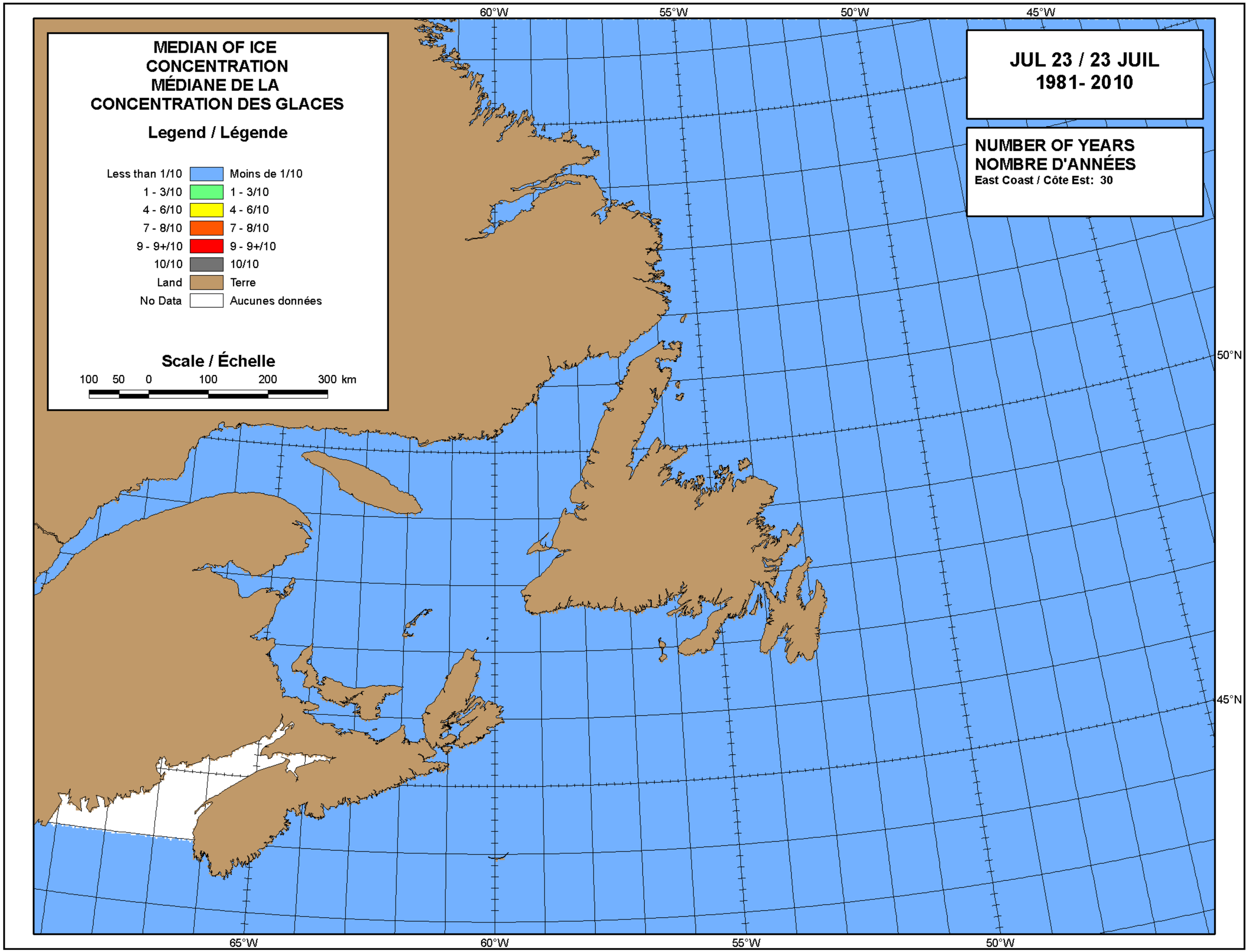
MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 23 / 23 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
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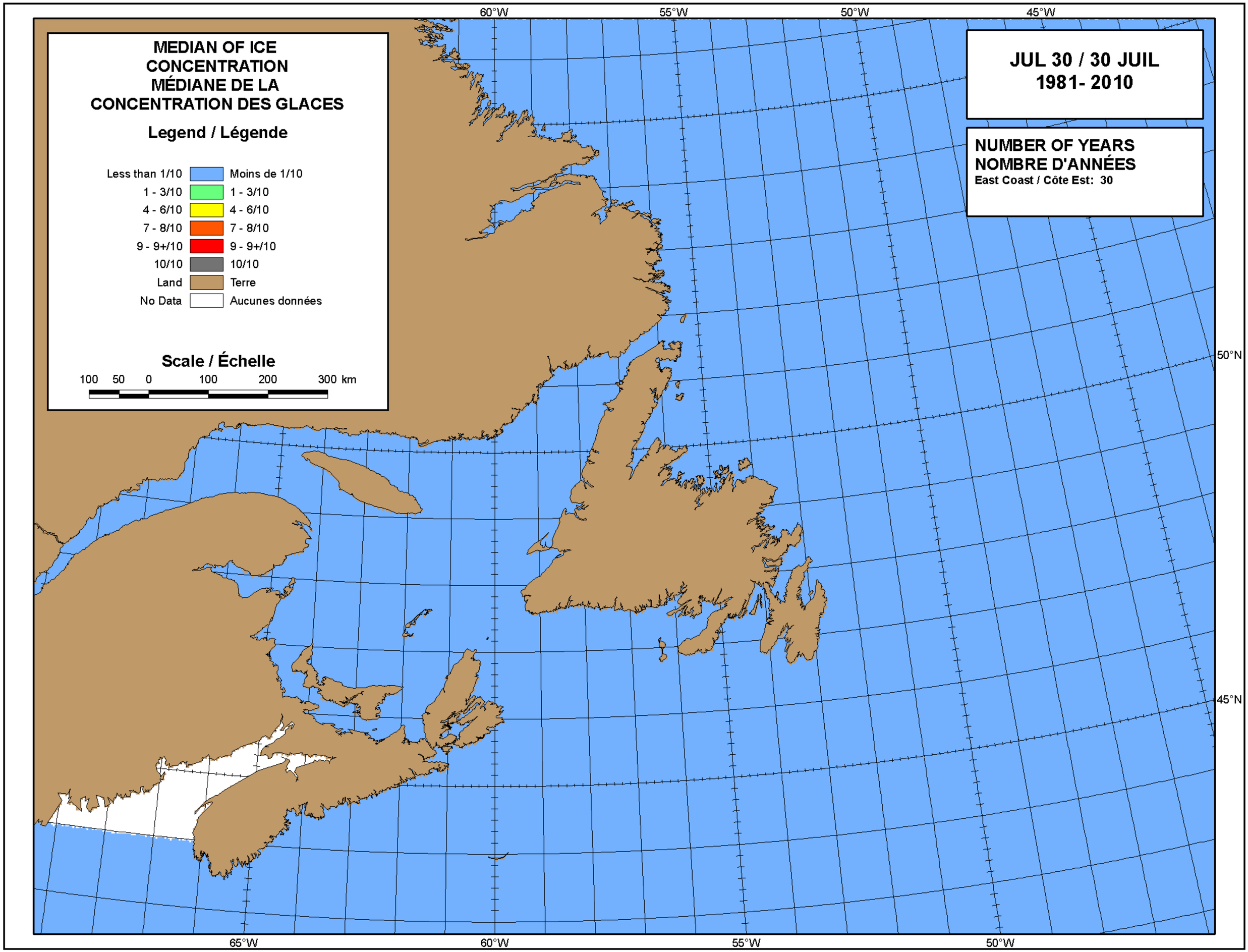
MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 30 / 30 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
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45°N
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55°W
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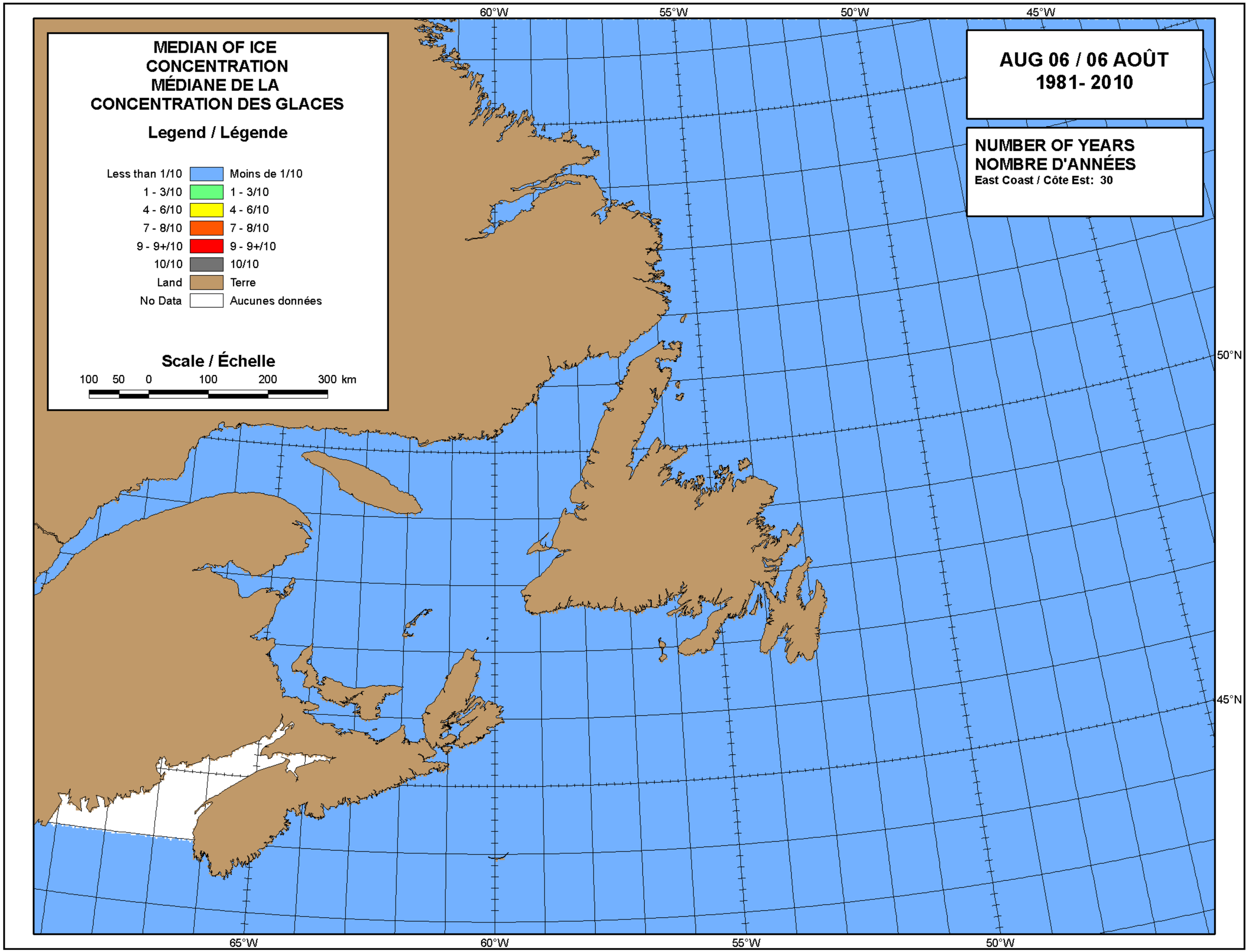
MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 06 / 06 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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45°W
50°N
45°N
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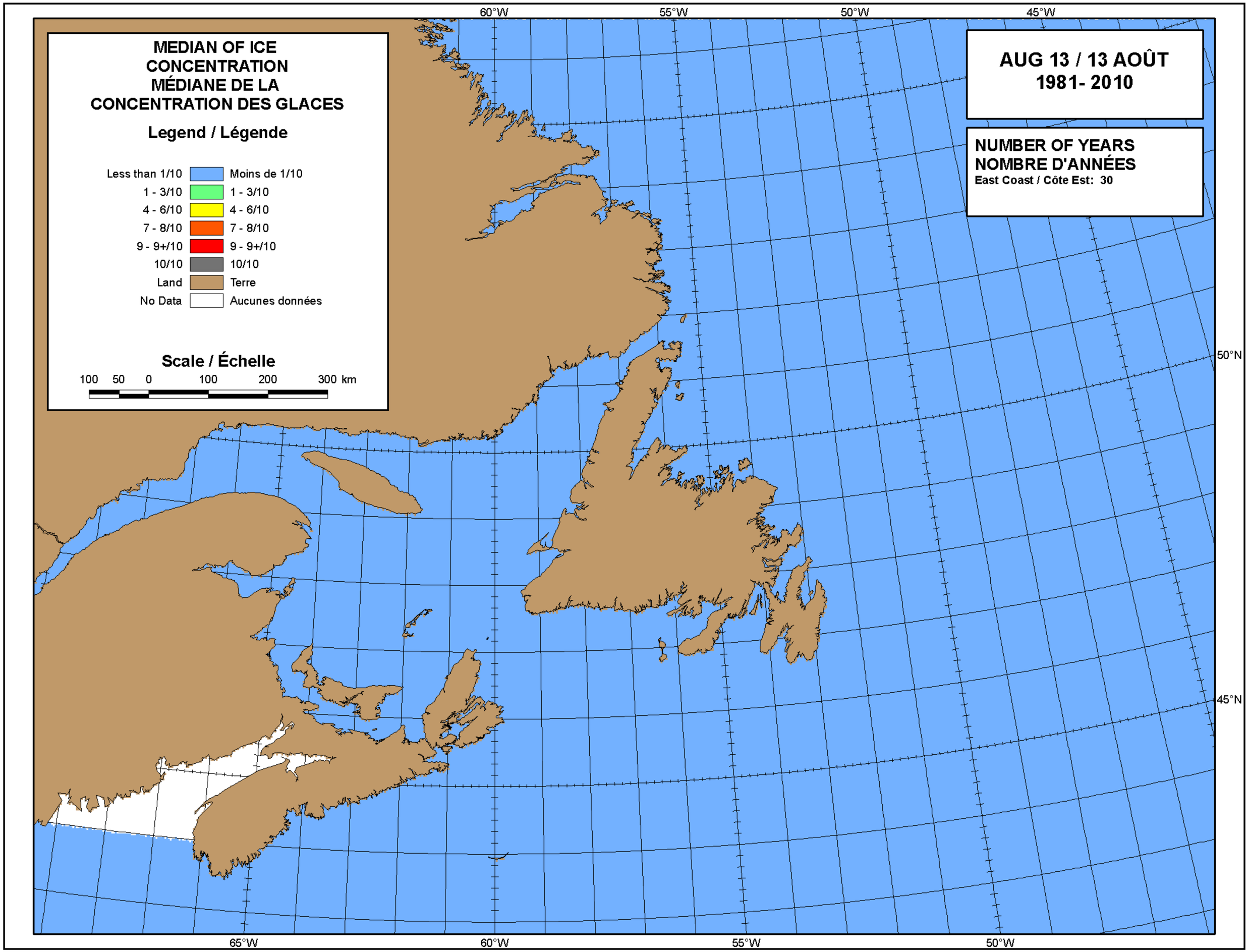
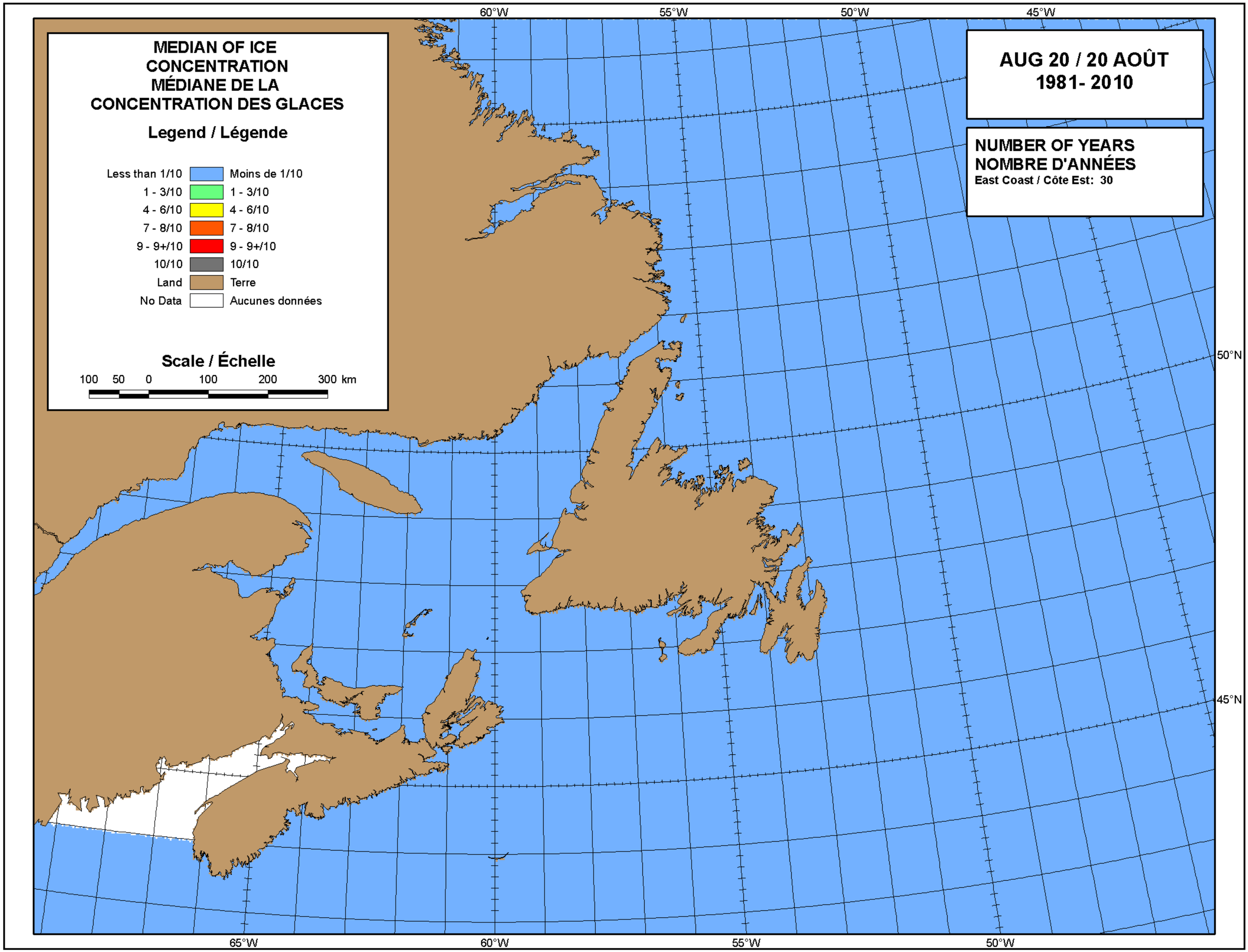

MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 13 / 13 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 20 / 20 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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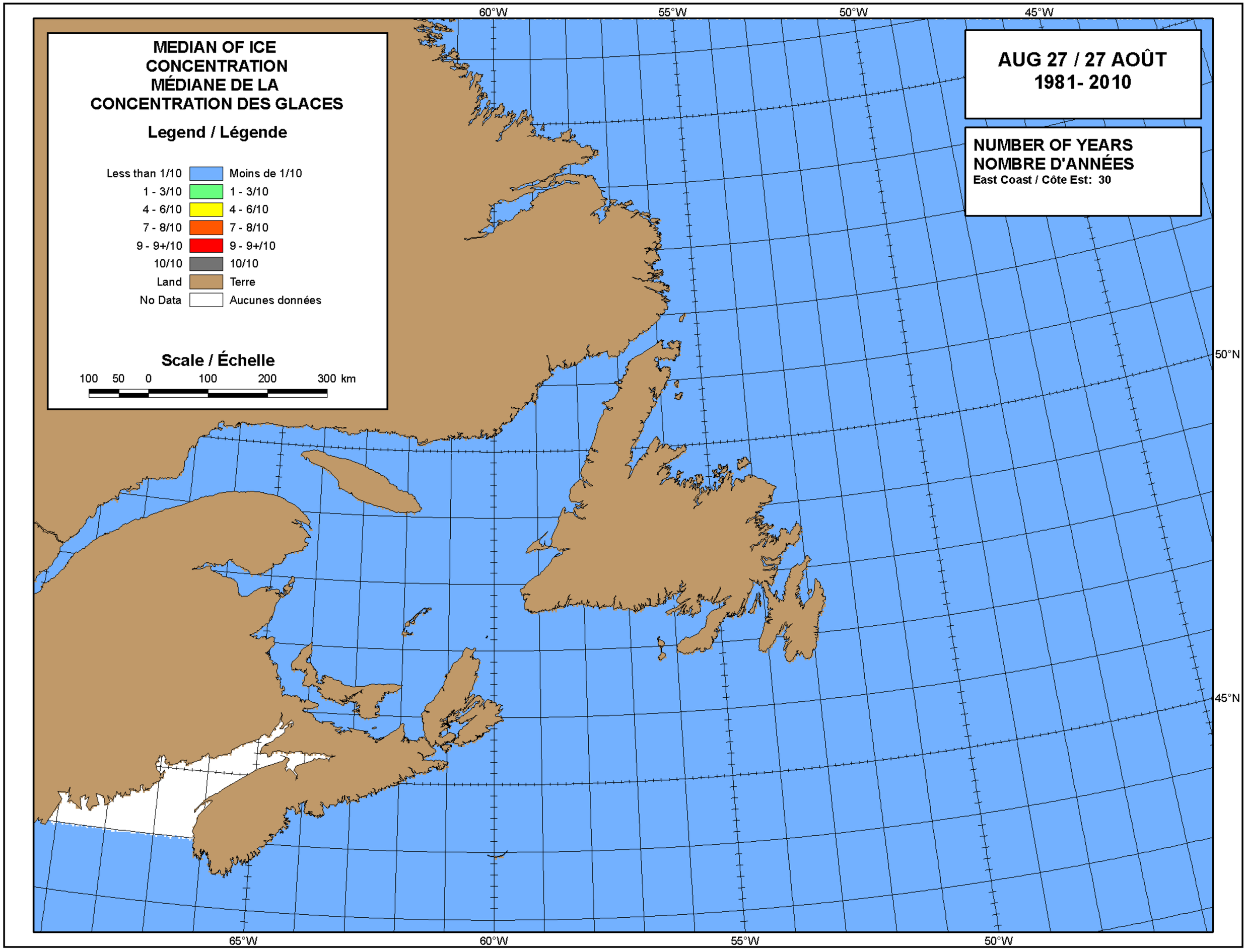
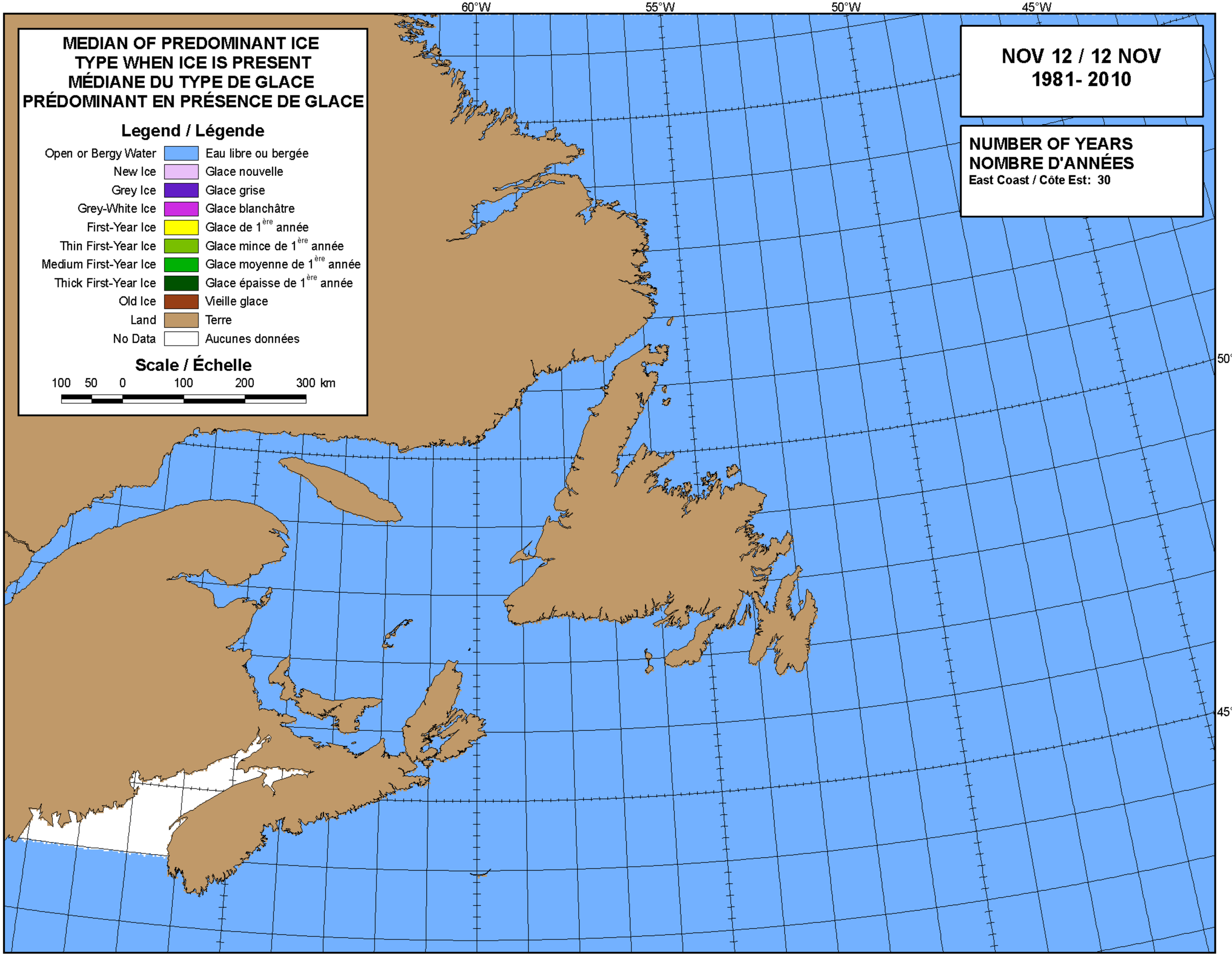
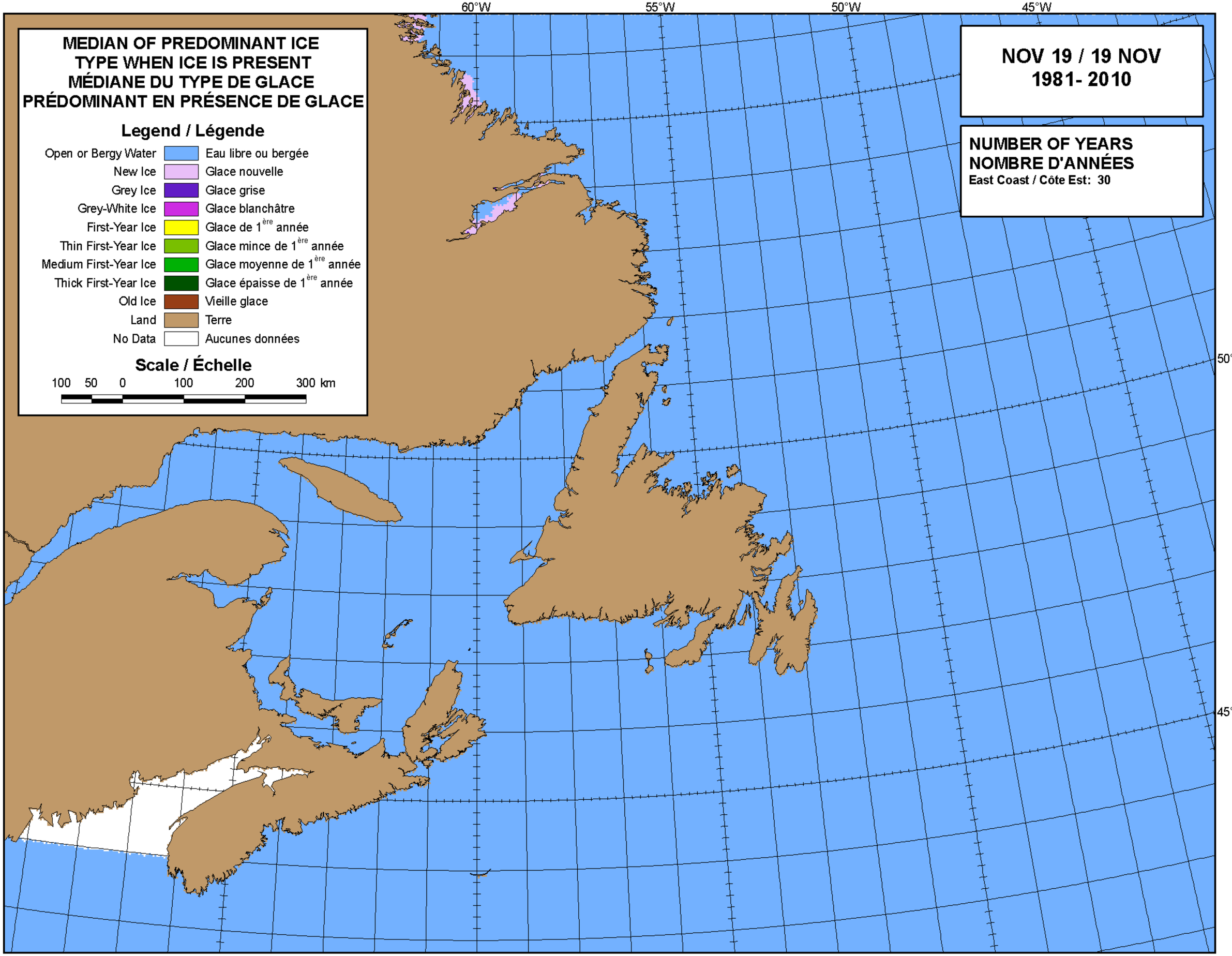
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
MÉDIANE DE LA CONCENTRATION DES GLACES
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 27 / 27 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

30-Year Median of Predominant Ice Type When Ice is Present Charts


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
NOV 12 / 12 NOV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
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Glace blanchâtre
First-Year Ice
Glace de 1ère année
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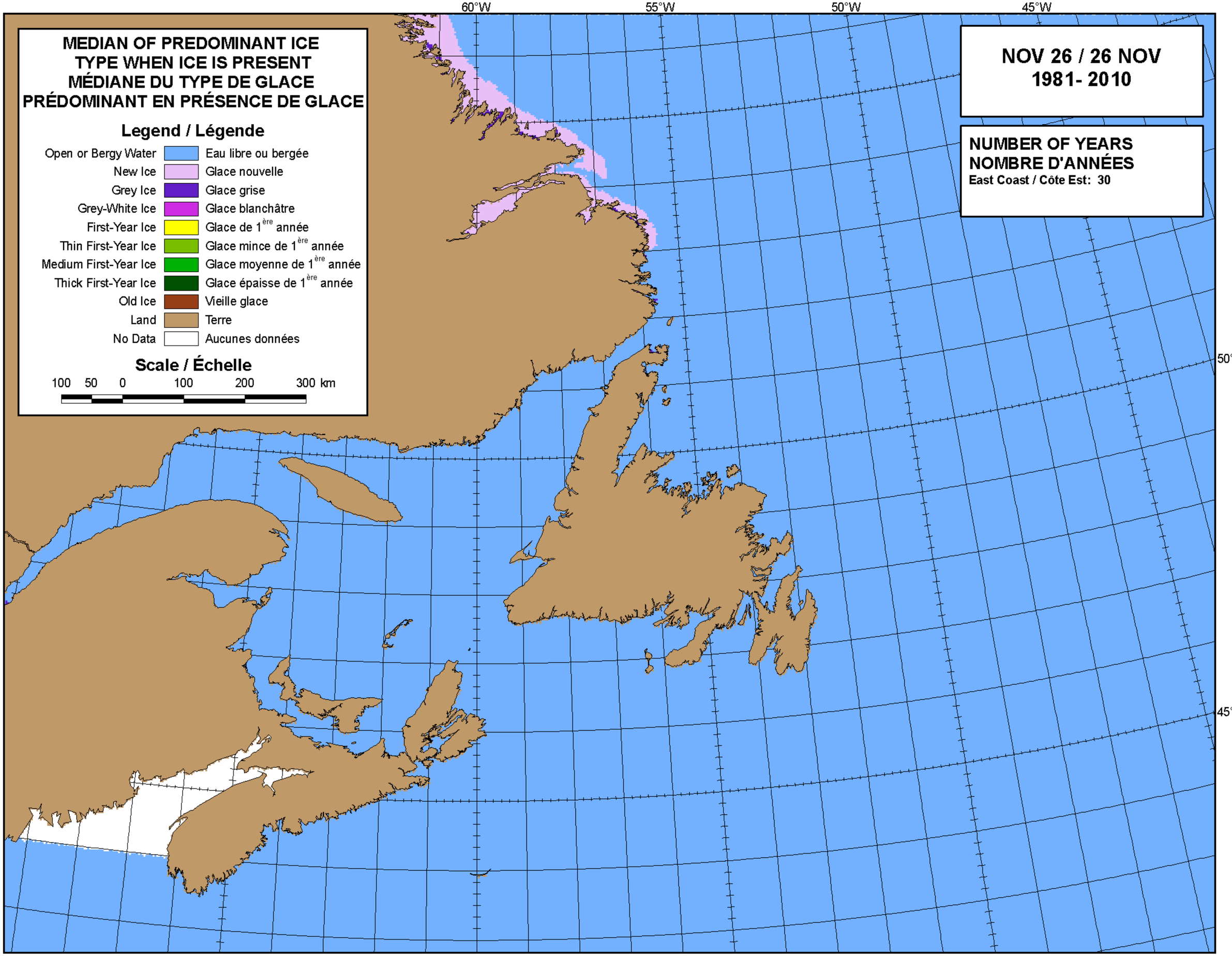
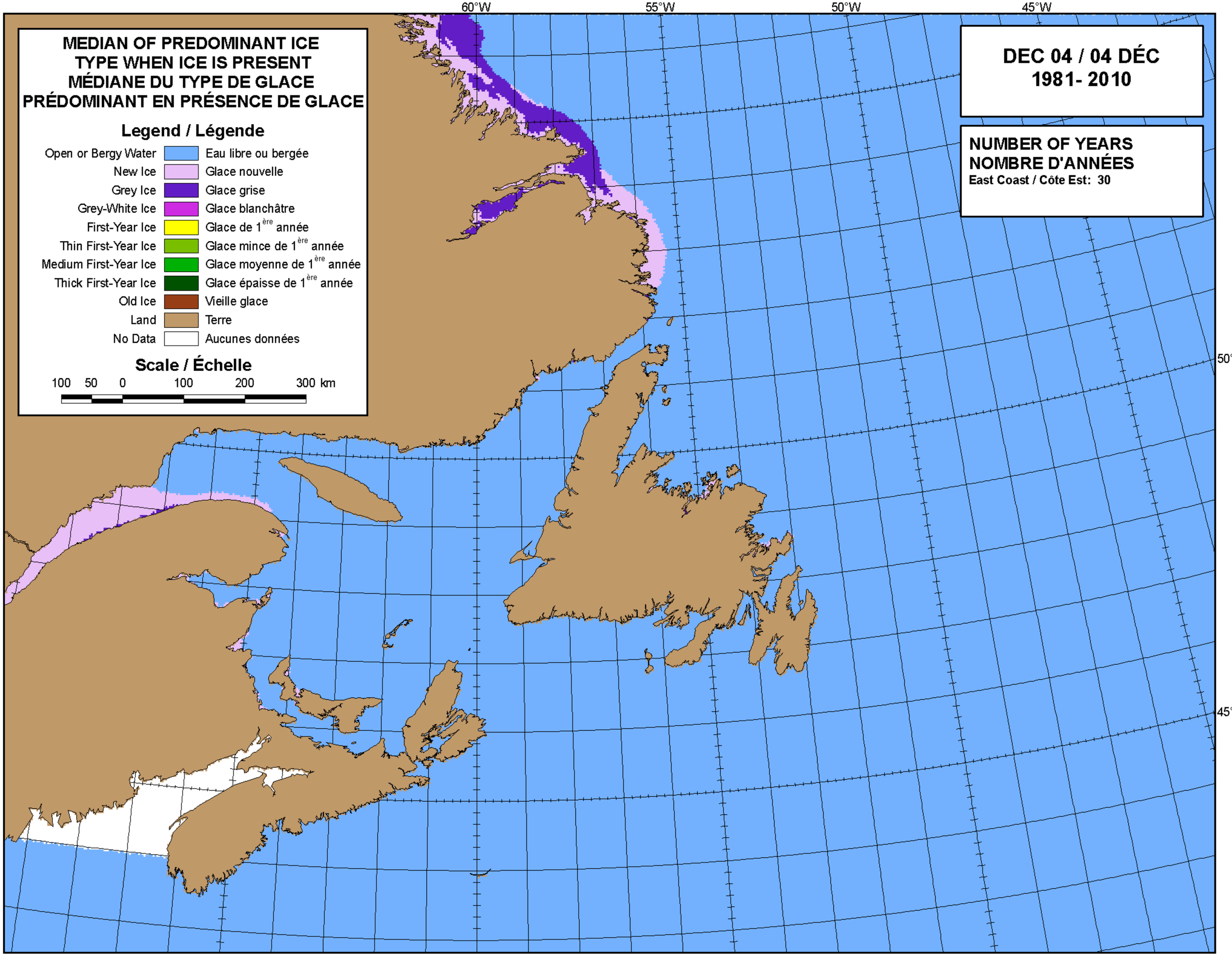
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
NOV 19 / 19 NOV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
NOV 26 / 26 NOV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 04 / 04 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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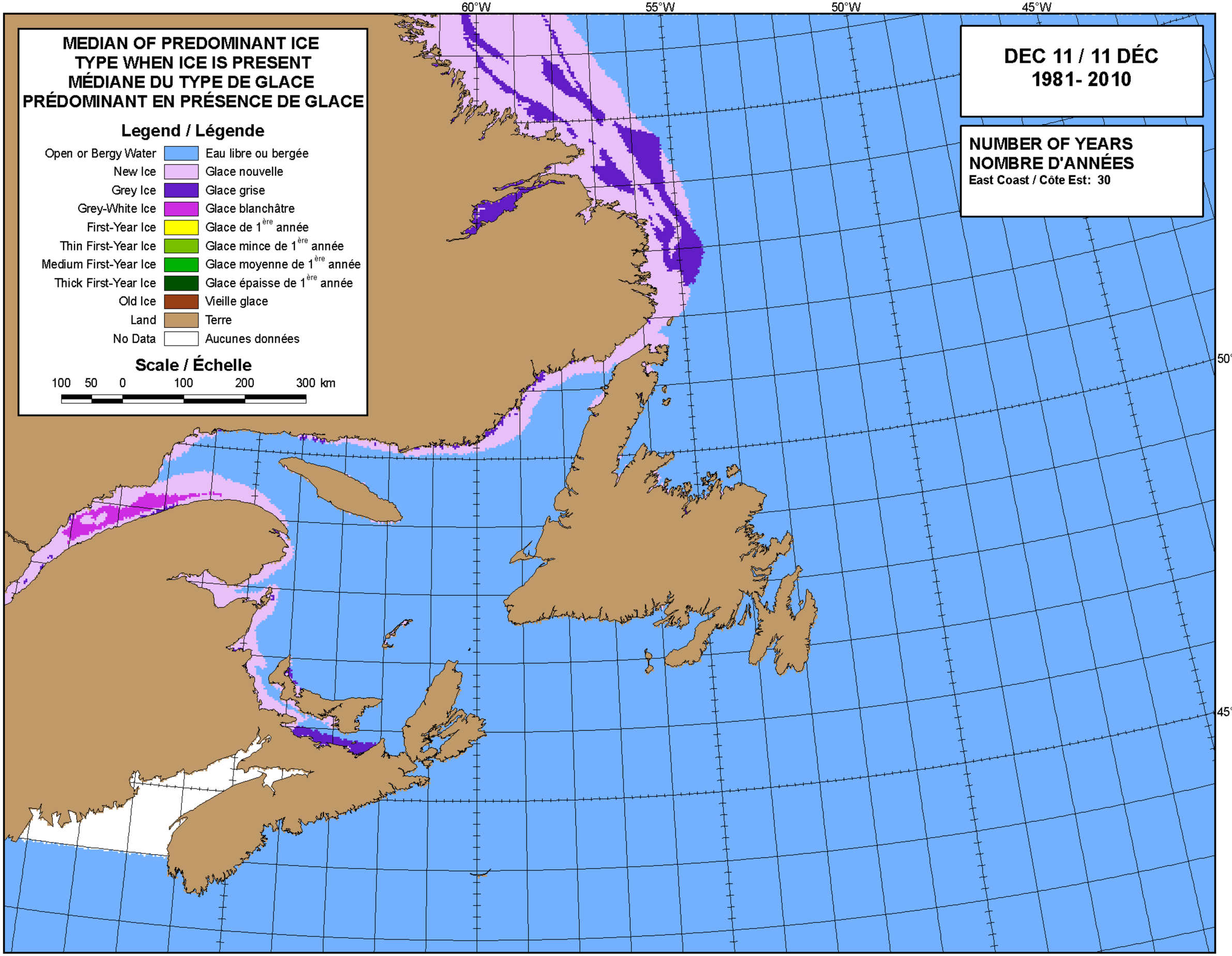
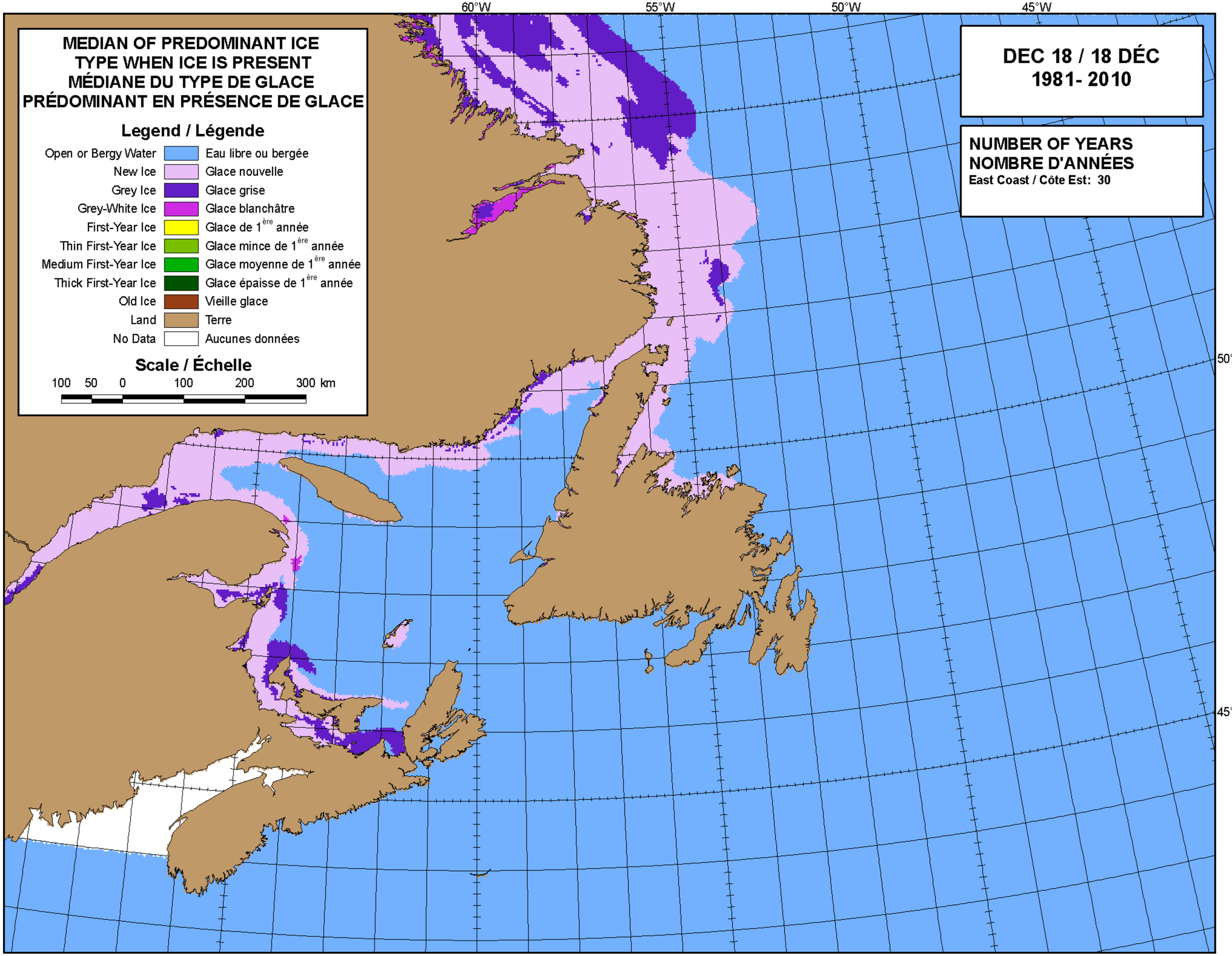
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 11 / 11 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 18 / 18 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
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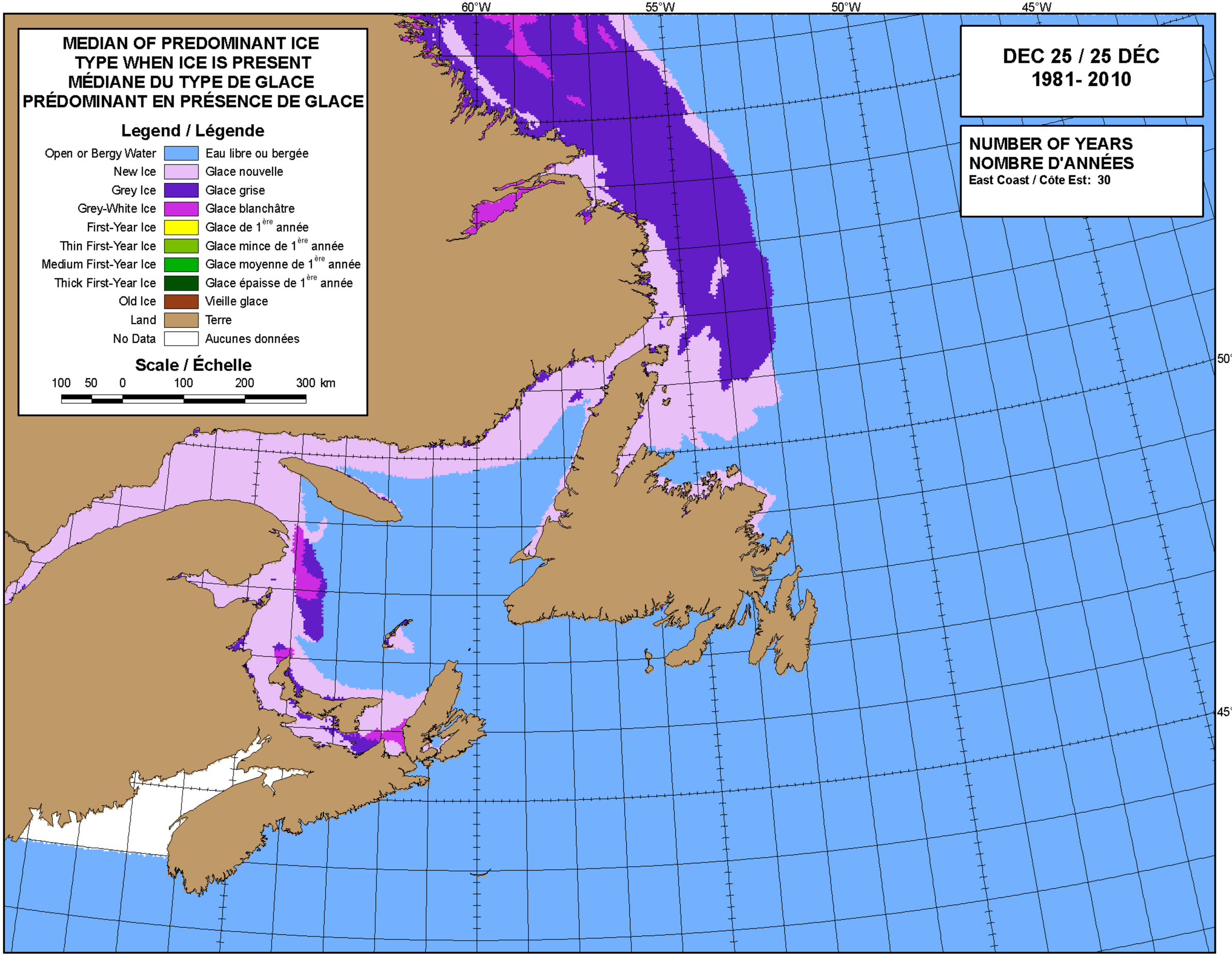
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 25 / 25 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
50°W
45°W
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45°N
65°W
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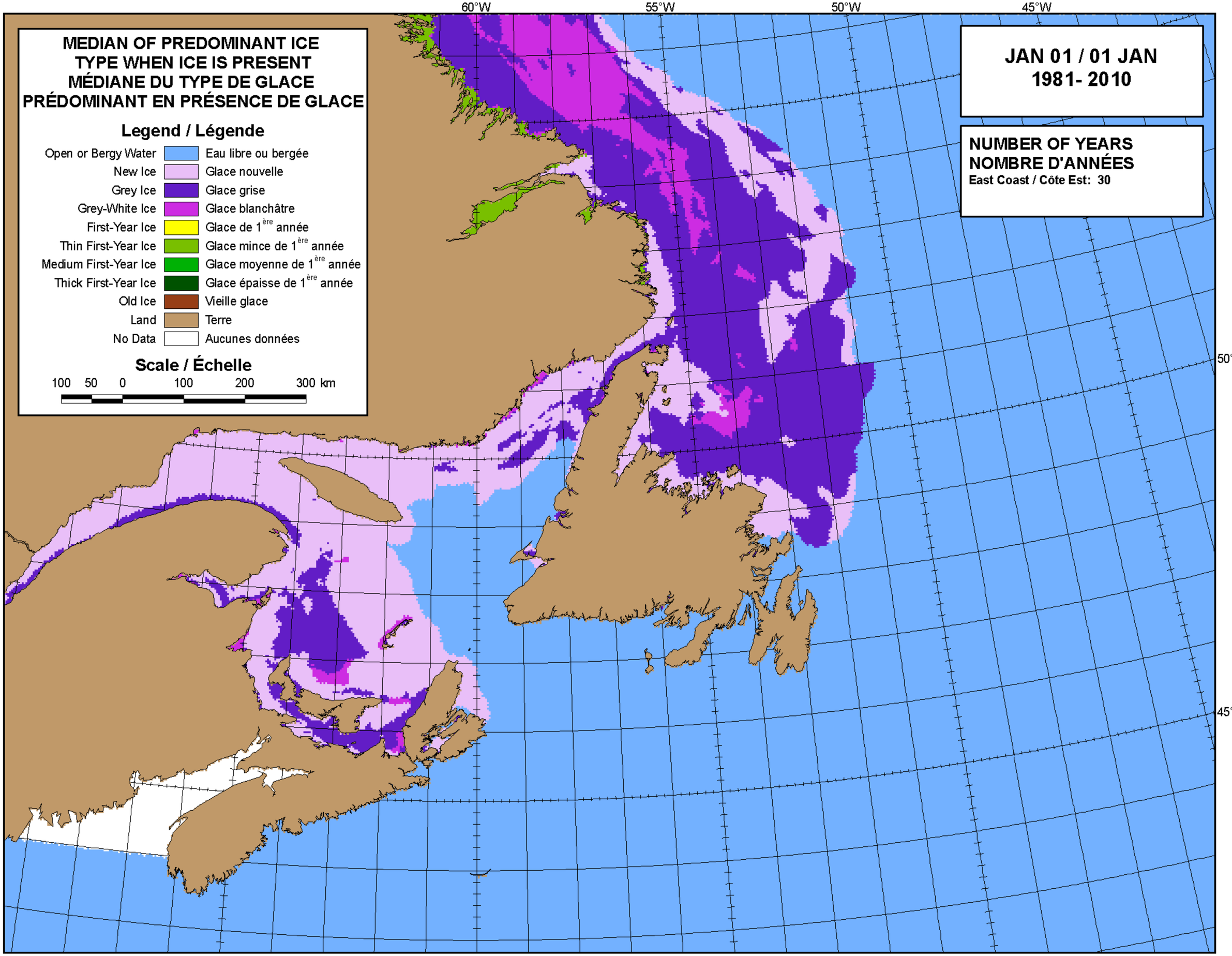
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 01 / 01 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
50°W
45°W
50°N
45°N
65°W
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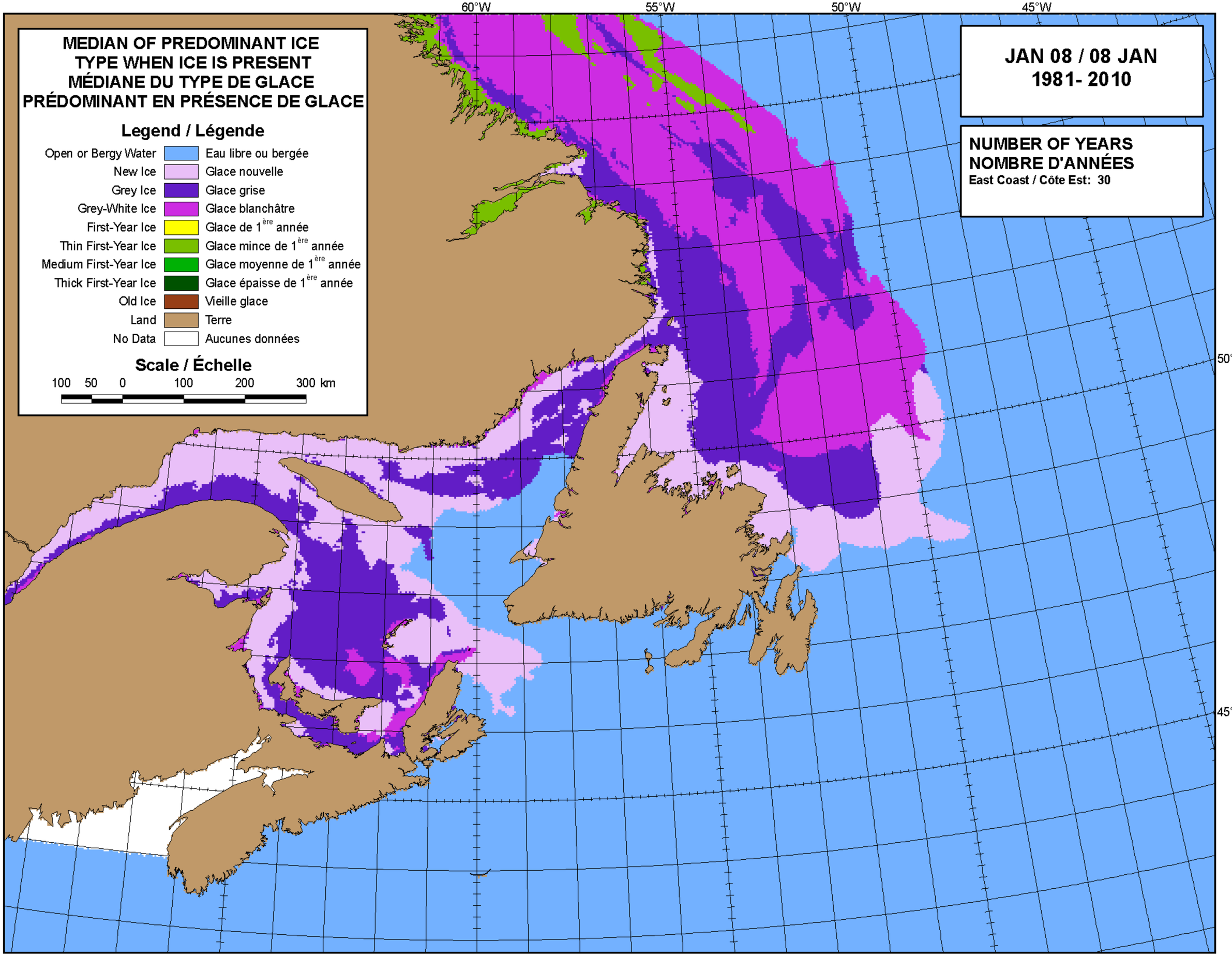
55°W
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 08 / 08 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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45°N
65°W
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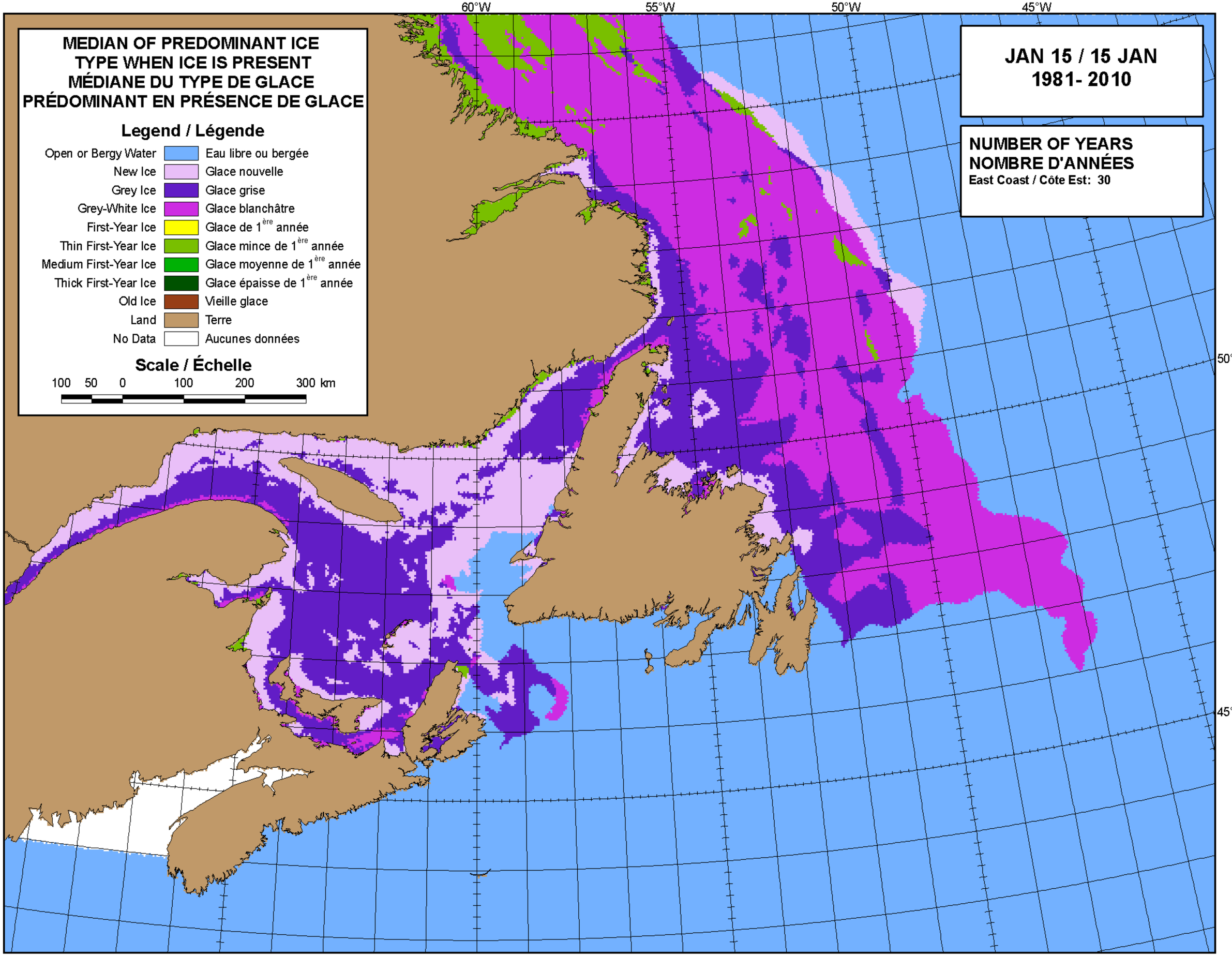
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 15 / 15 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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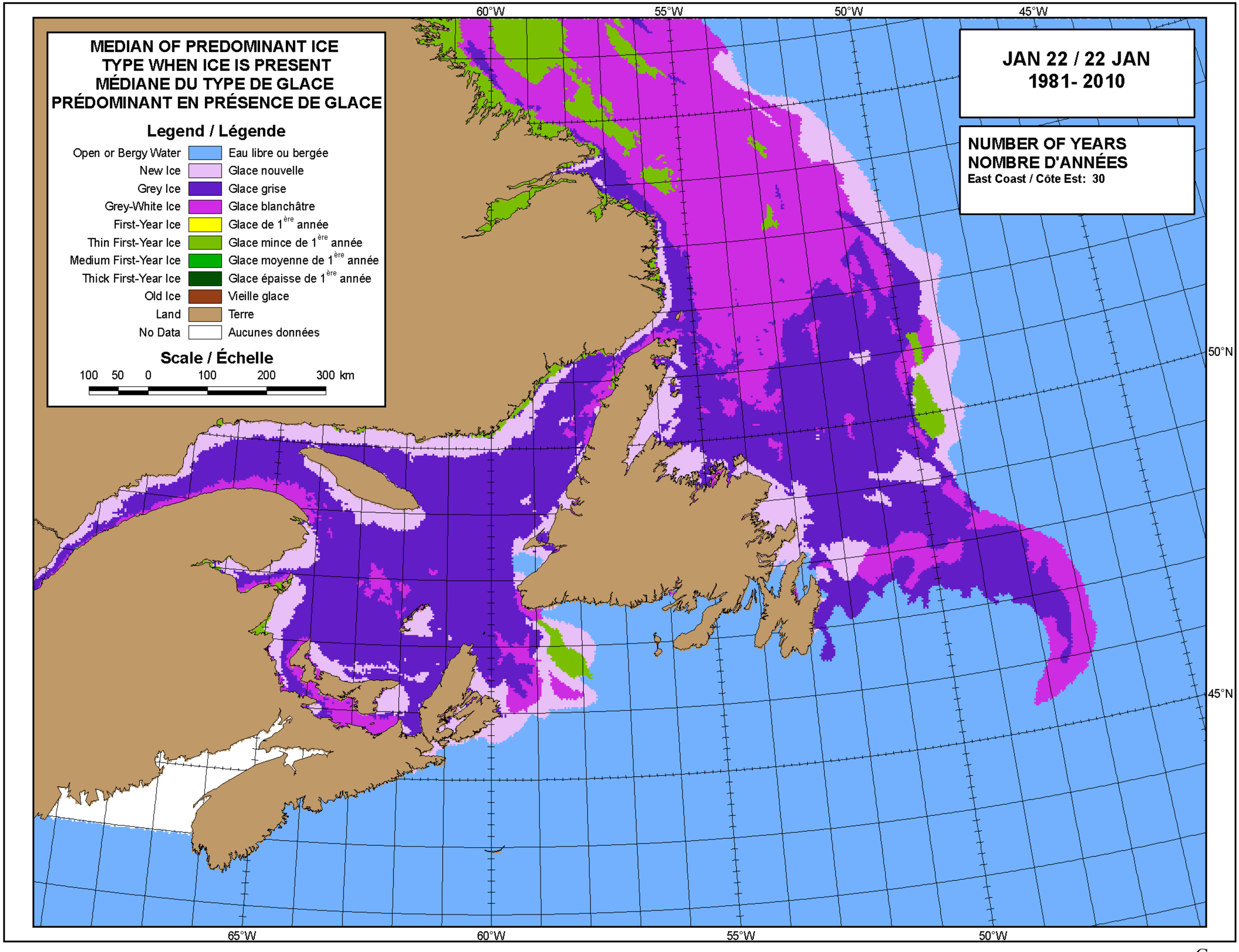
MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 22 / 22 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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45°N
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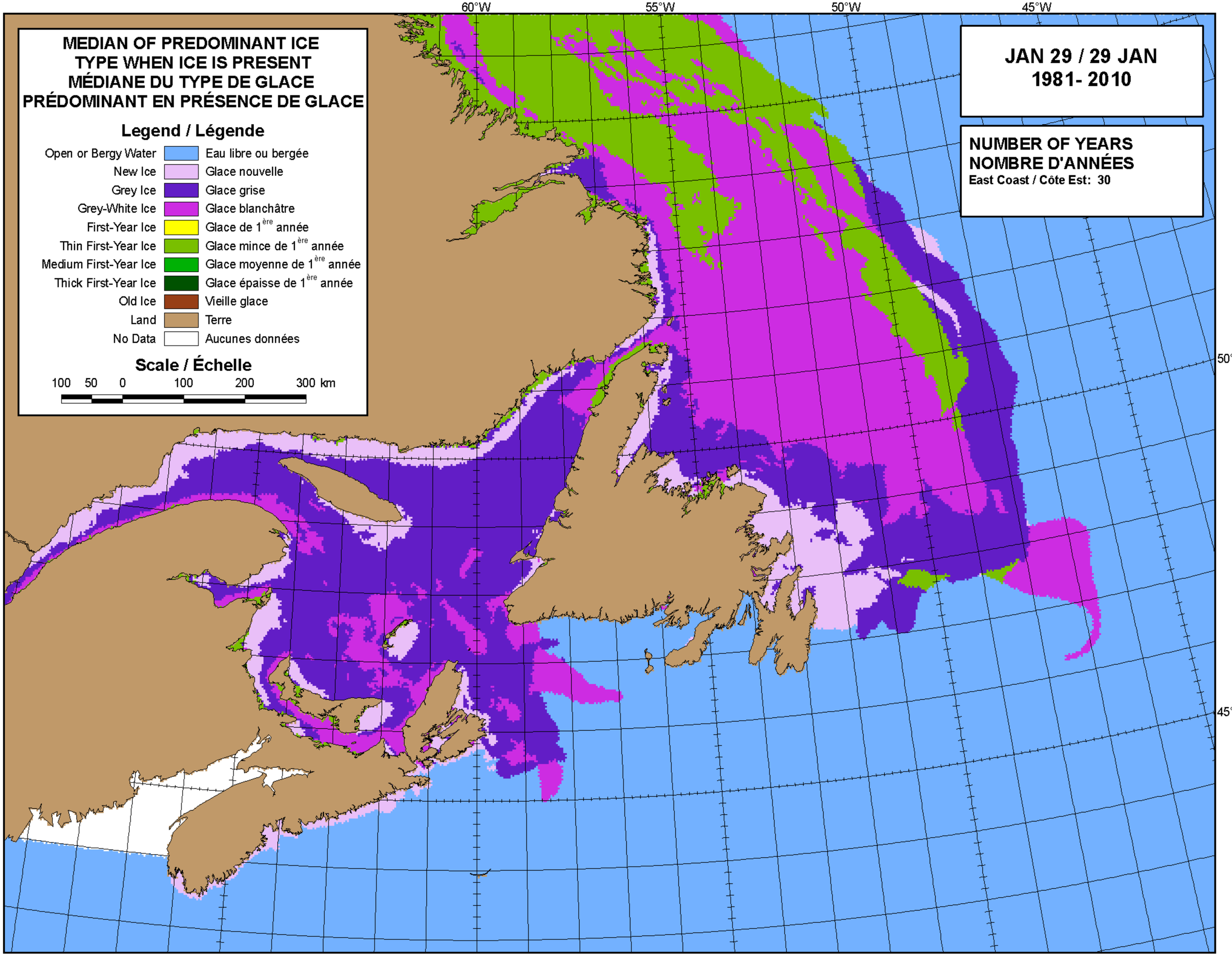
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 29 / 29 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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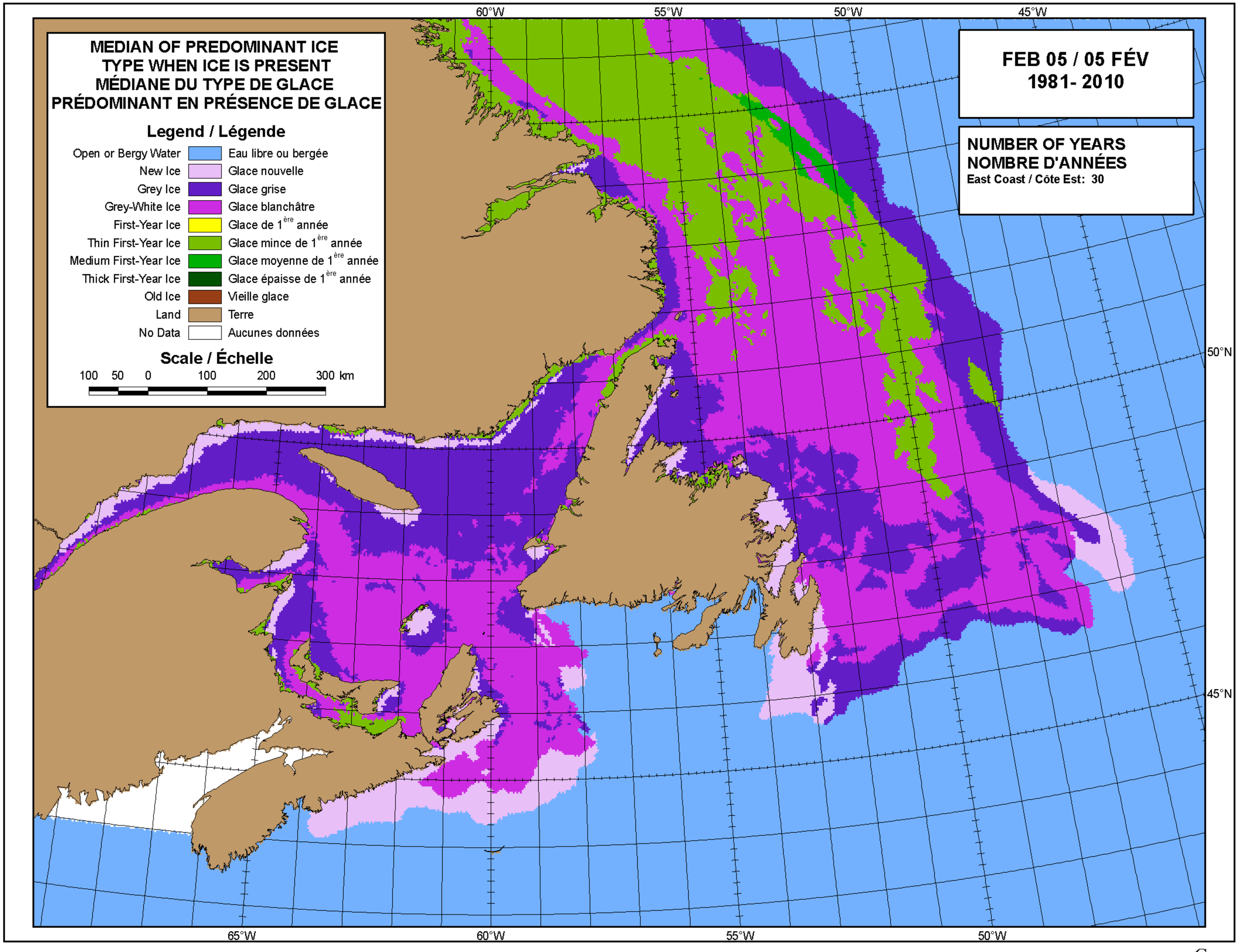
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 05 / 05 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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50°W
45°W
50°N
45°N
65°W
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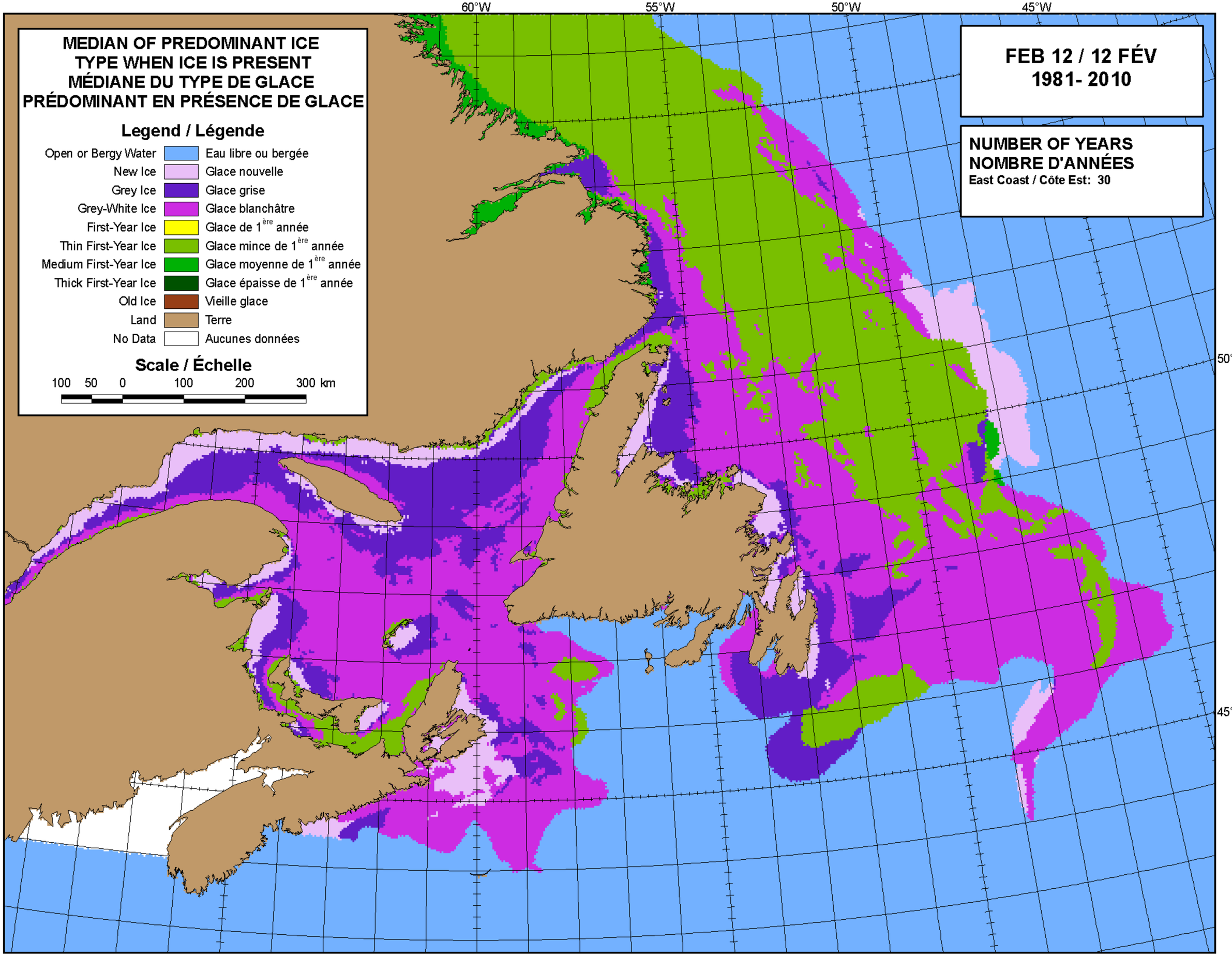
55°W
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
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Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 12 / 12 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
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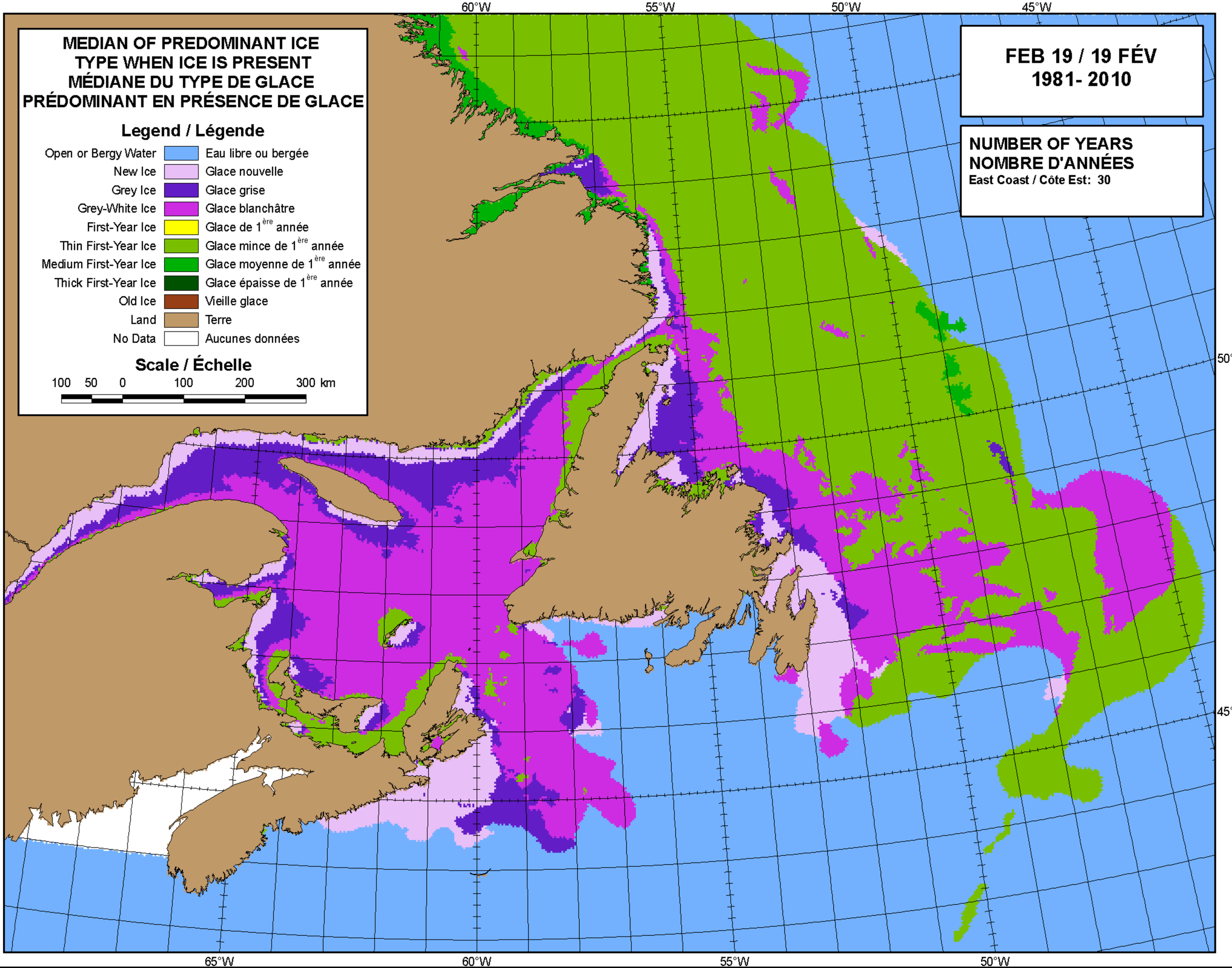
50°W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MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
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Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 19 / 19 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
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45°N
65°W
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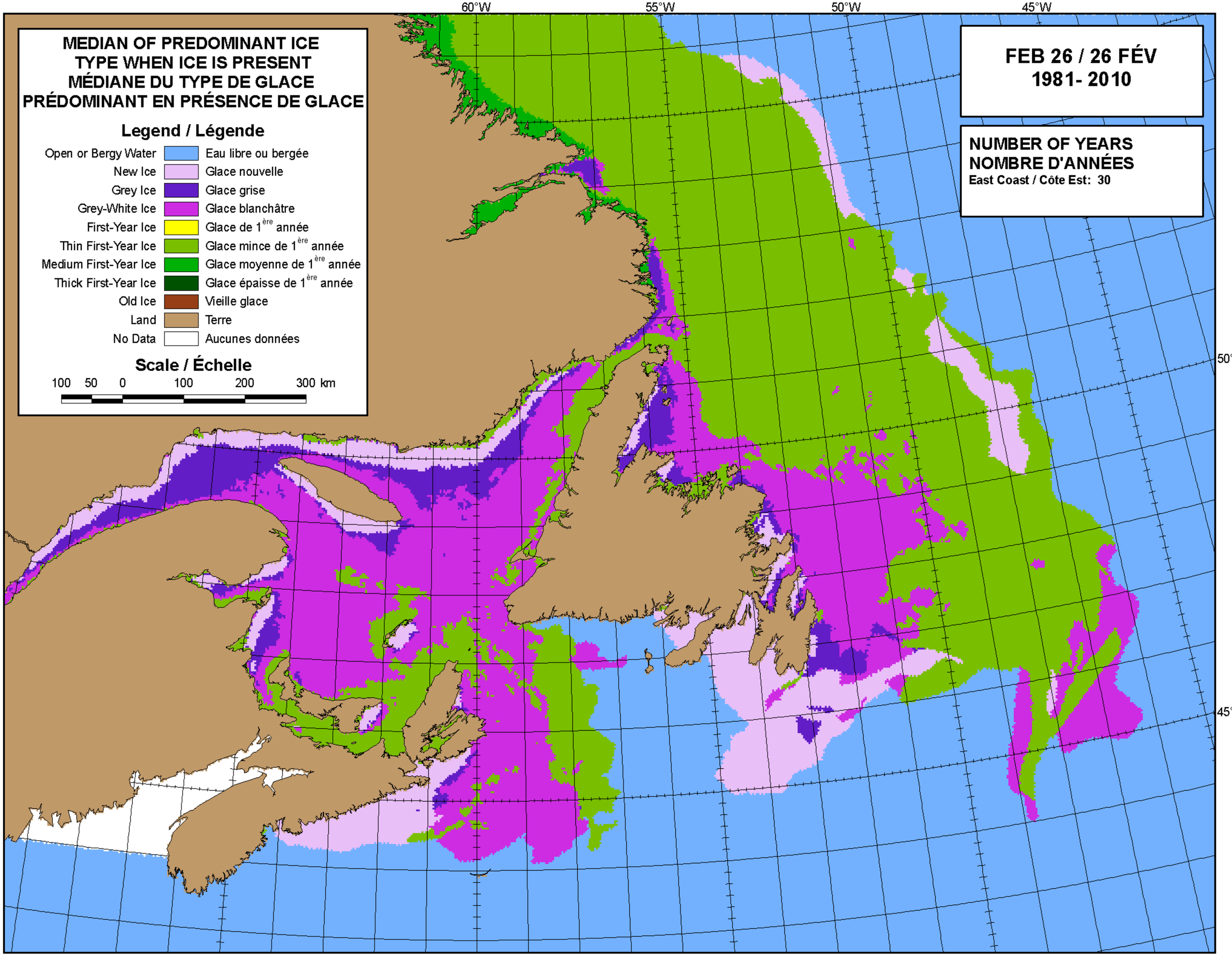
50°W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MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
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Grey-White Ice Glace blanchâtre
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Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 26 / 26 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
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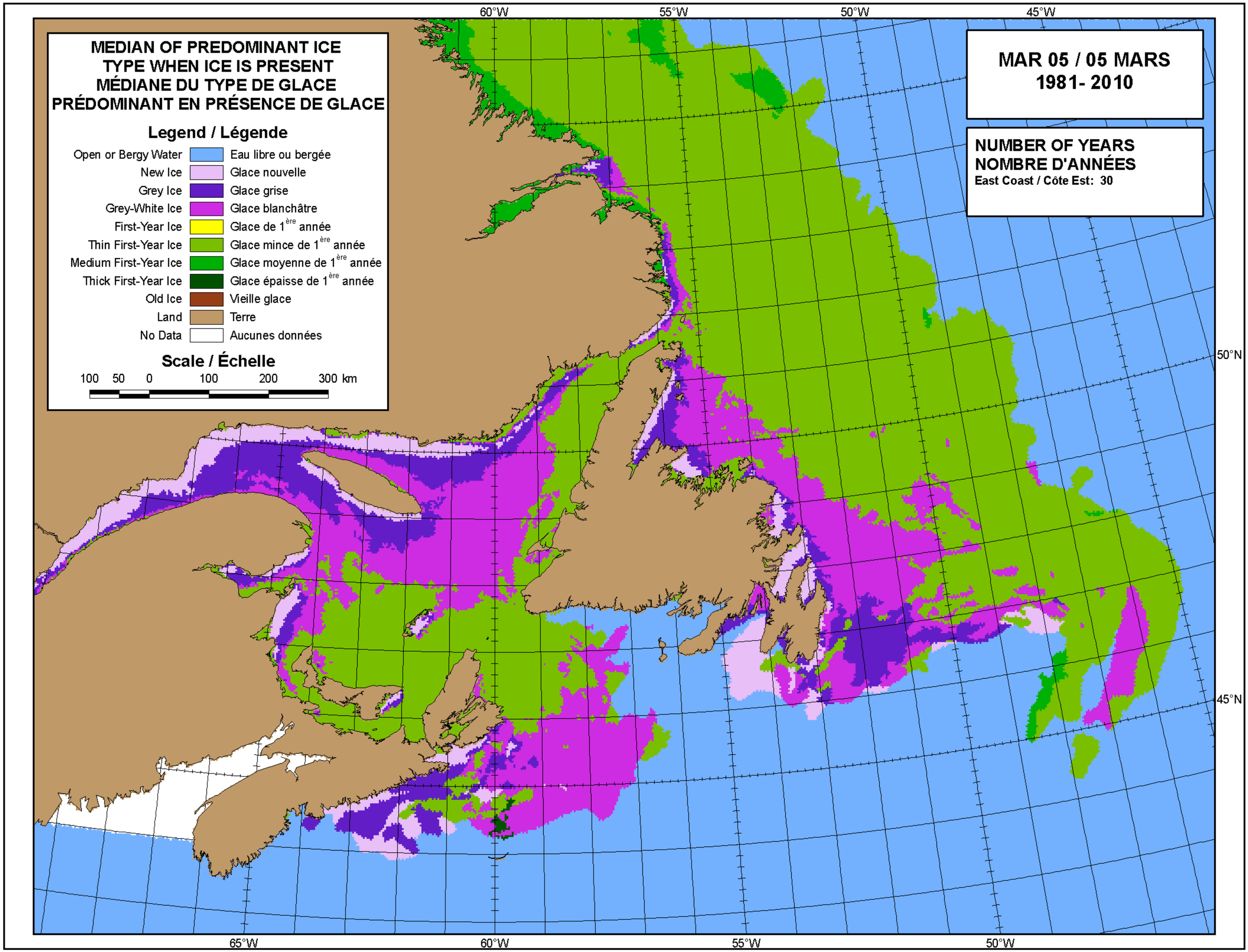
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 05 / 05 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
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50°W
45°W
50°N
45°N
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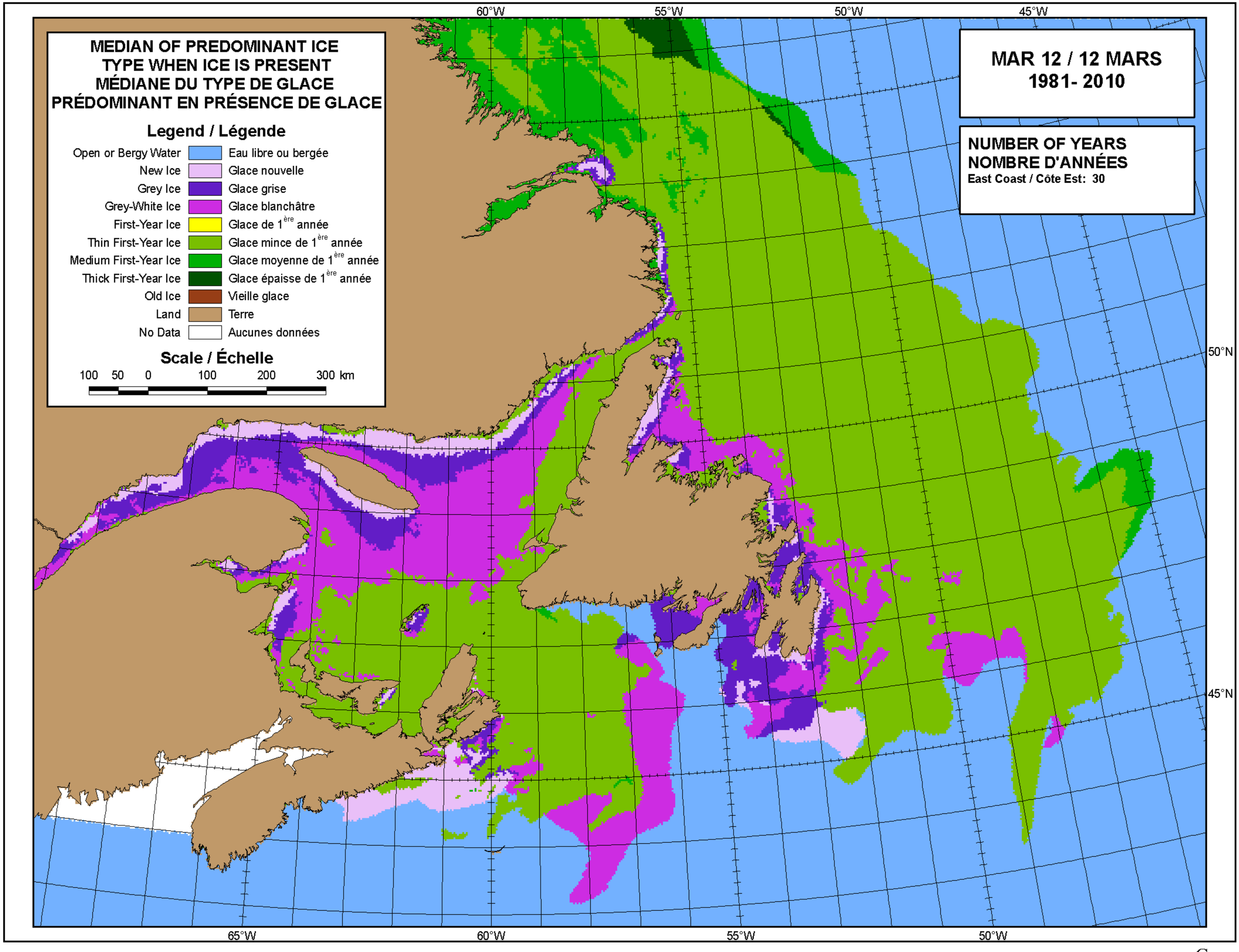
60°W
55°W
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 12 / 12 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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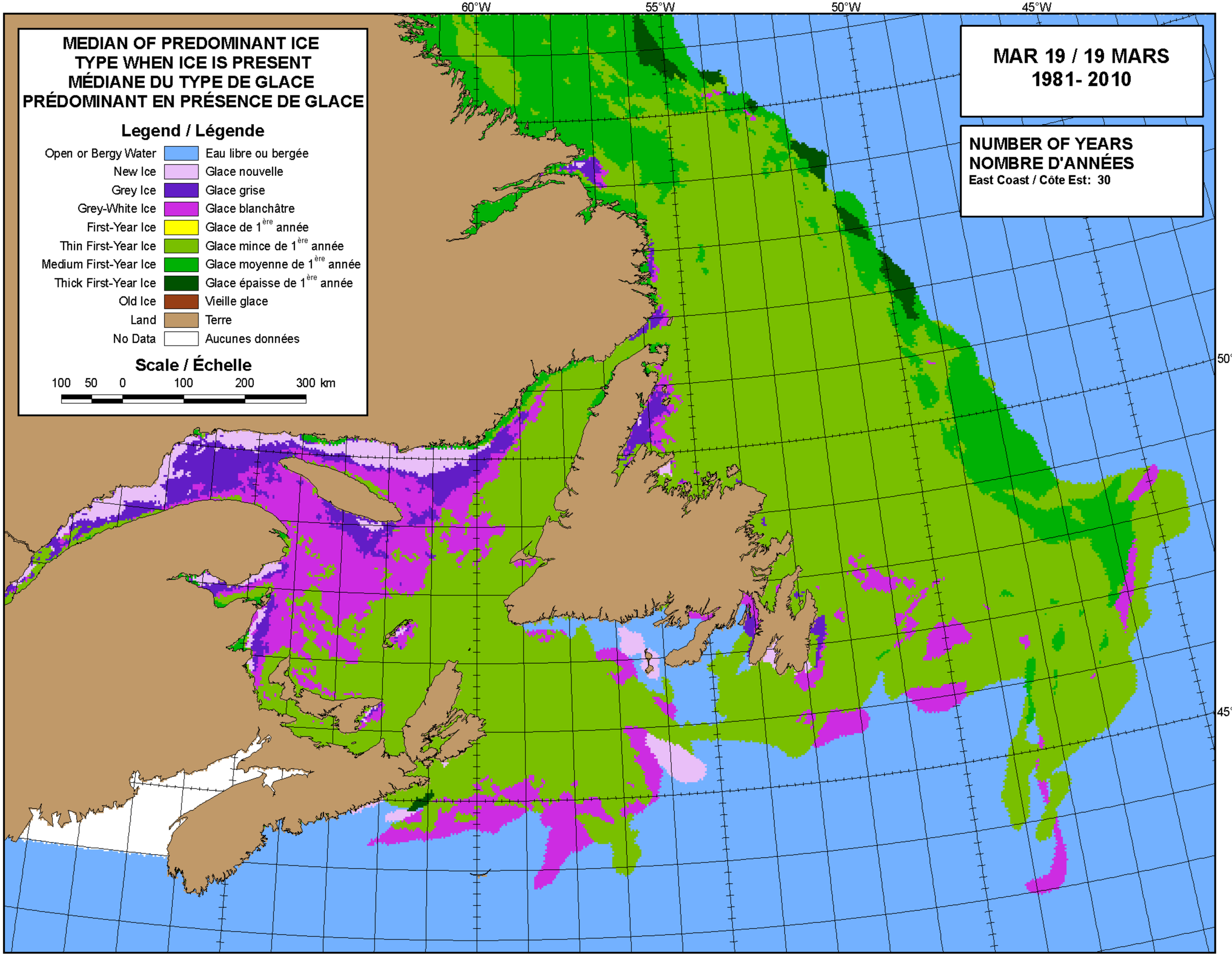
MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 19 / 19 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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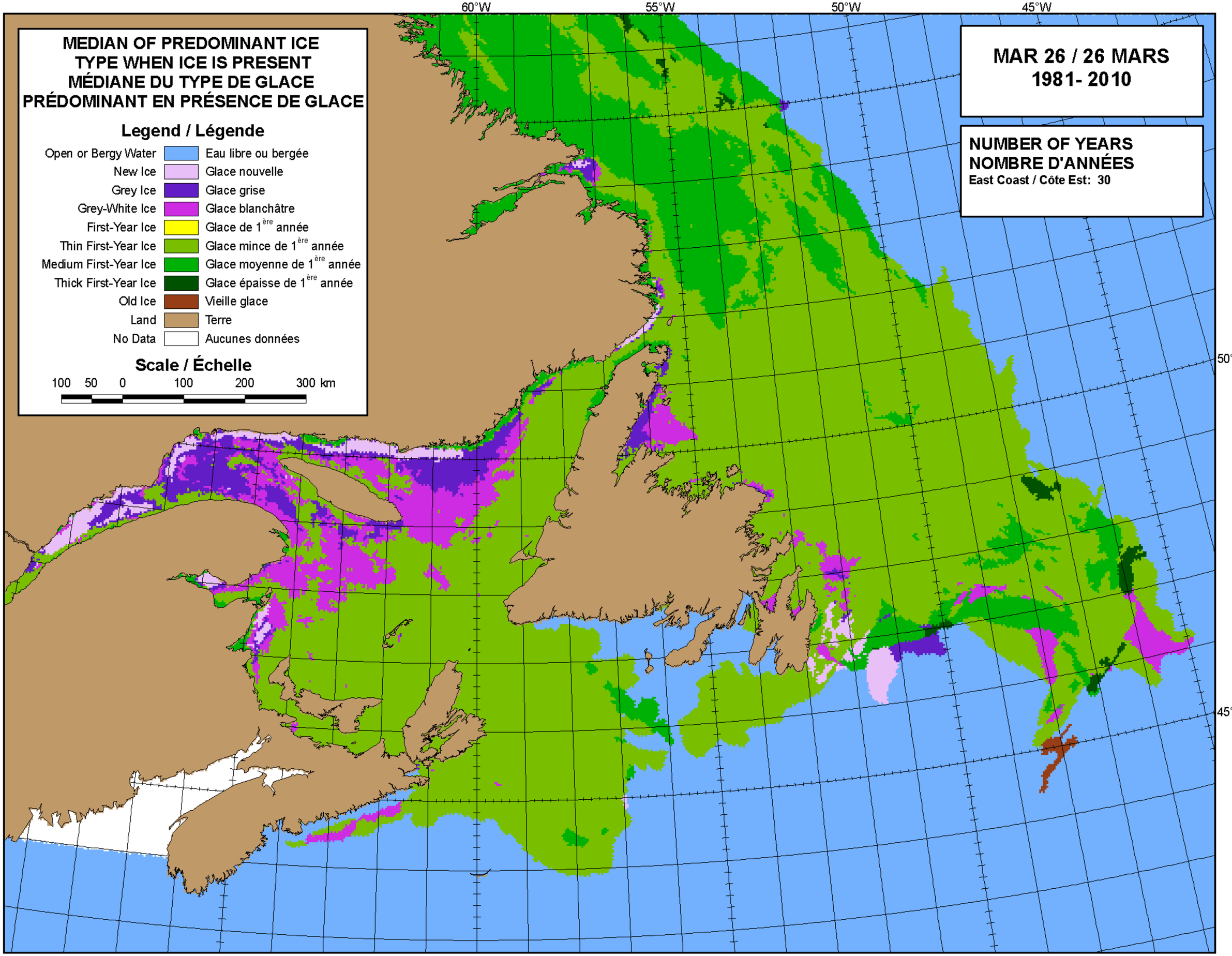
MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 26 / 26 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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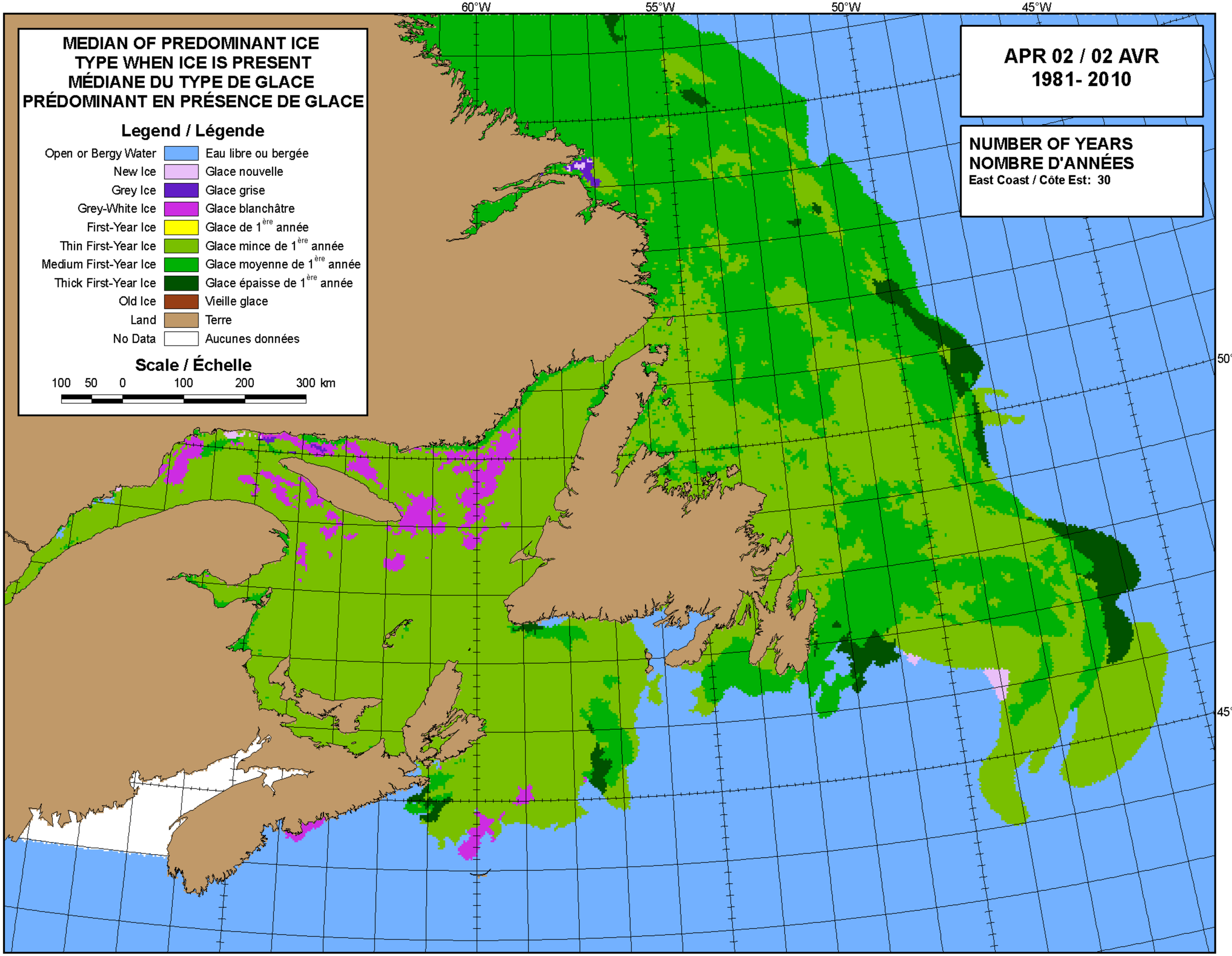
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 02 / 02 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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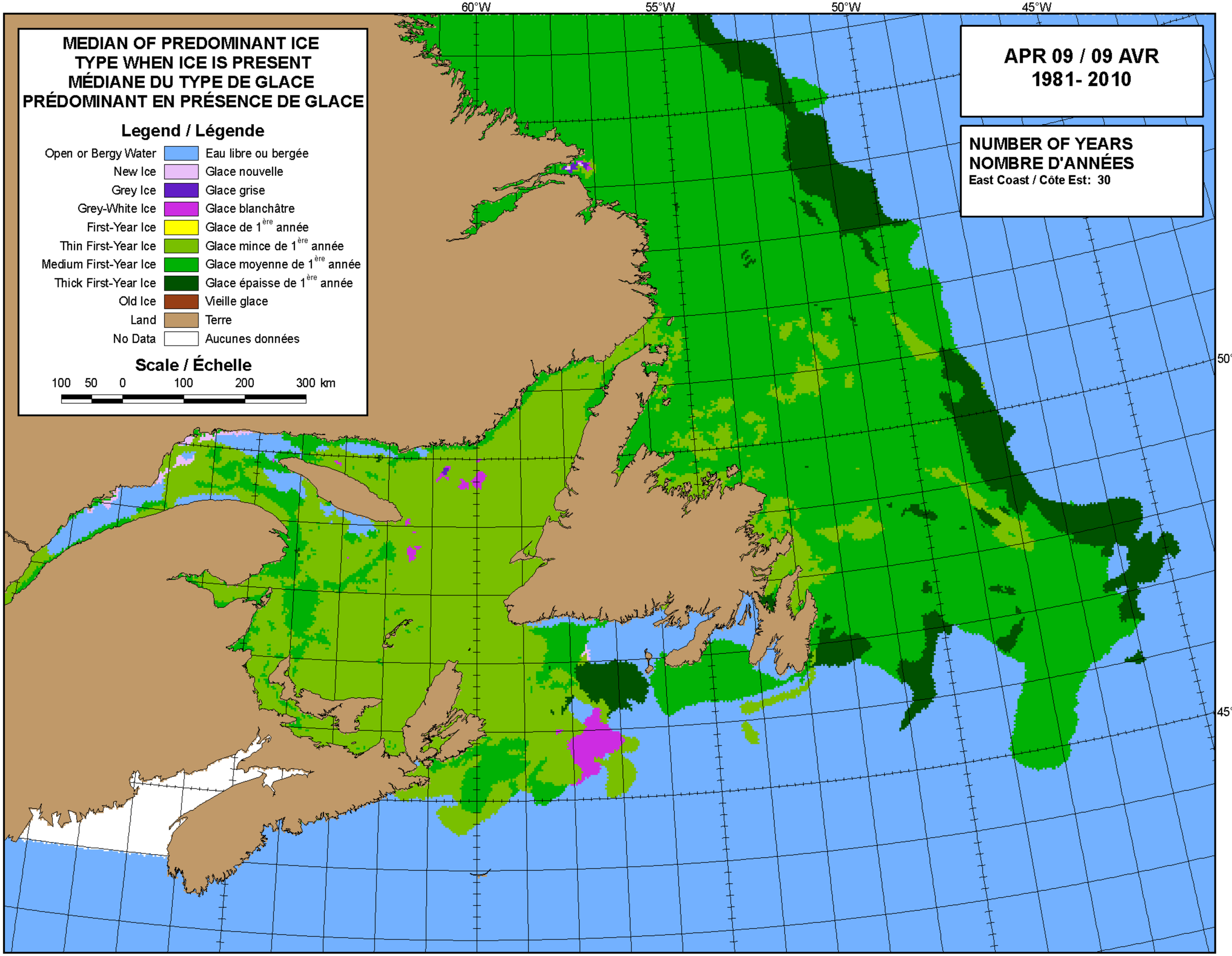
MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
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Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 09 / 09 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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55°W
50°W
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50°N
45°N
65°W
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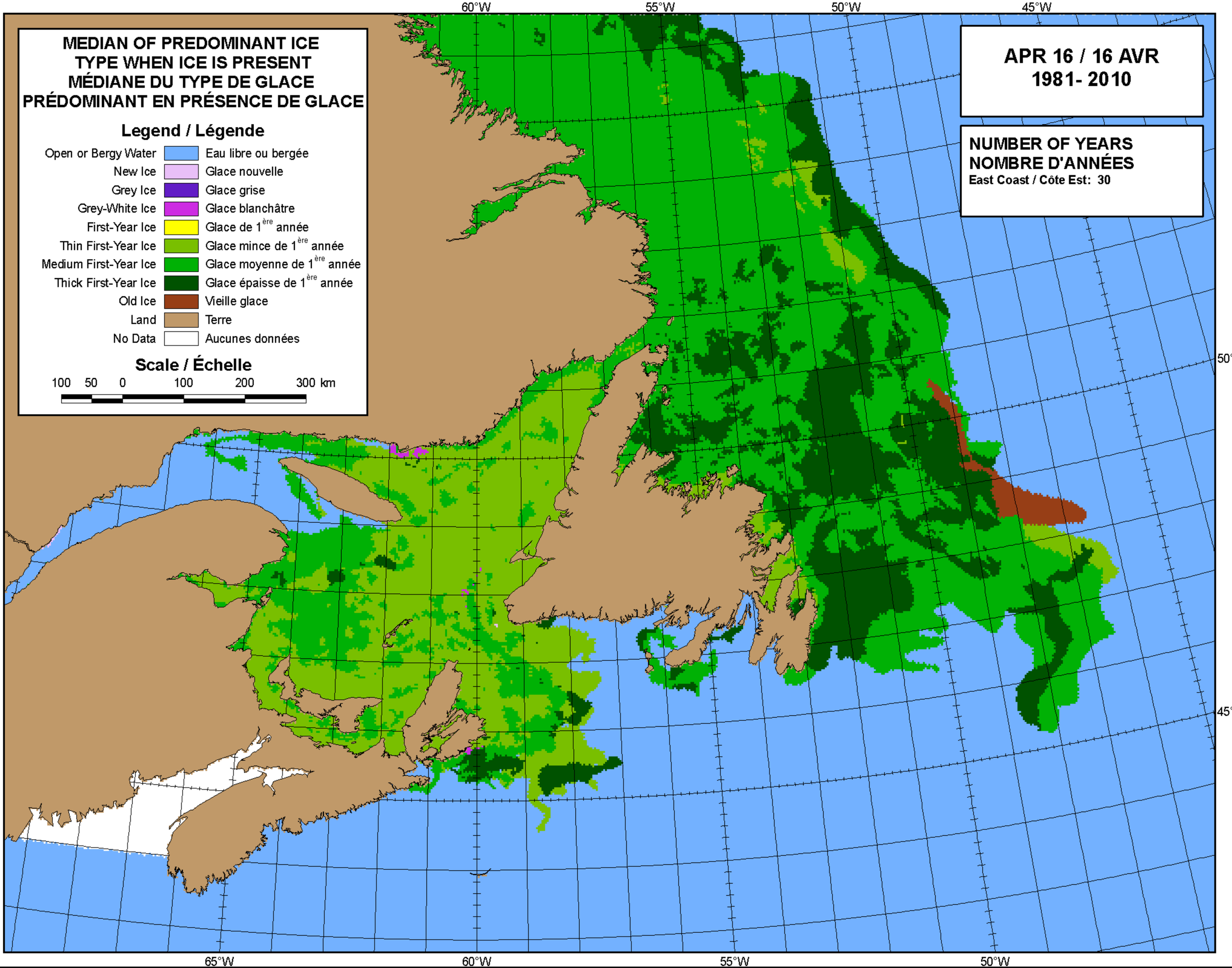
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 16 / 16 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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65°W
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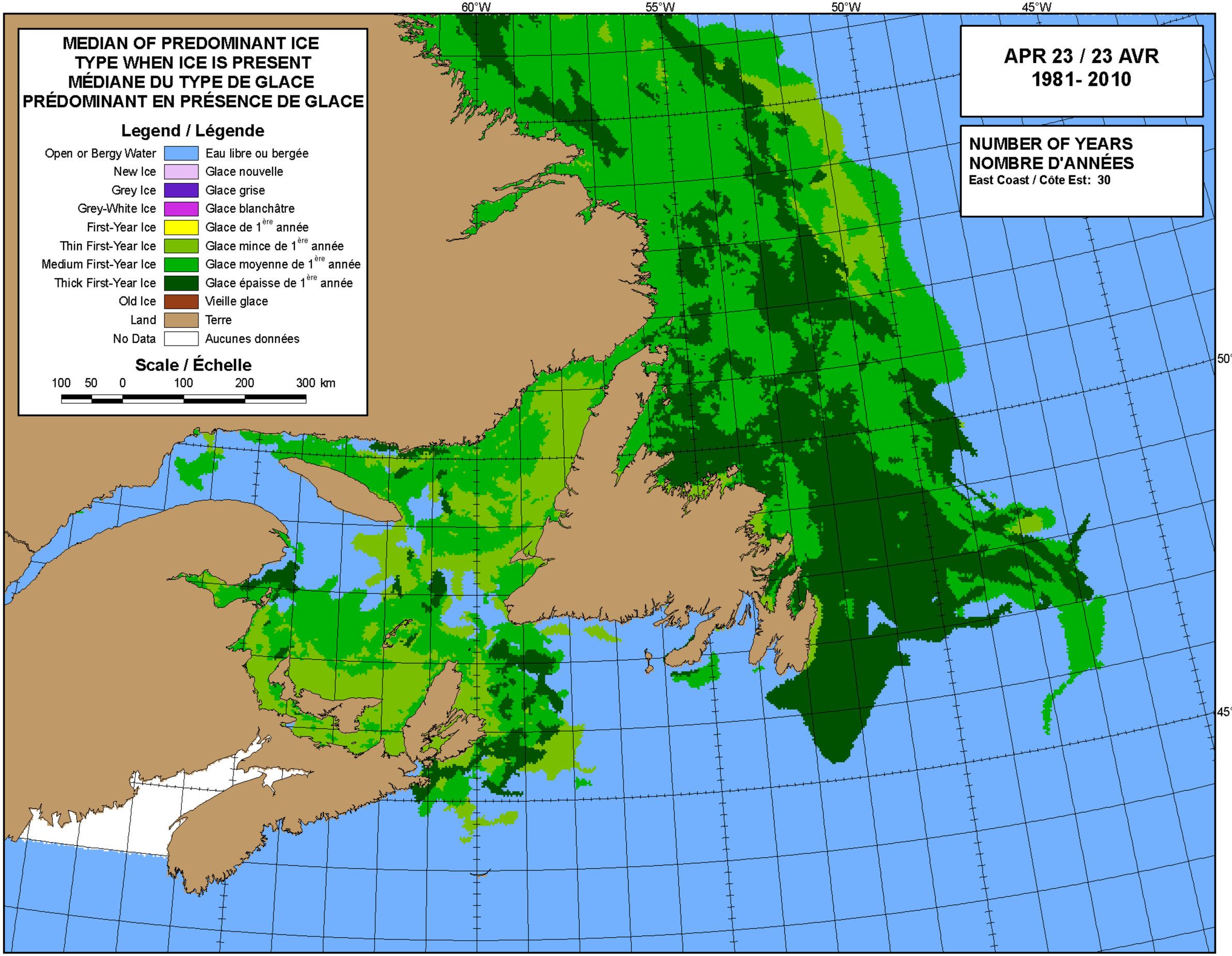
MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 23 / 23 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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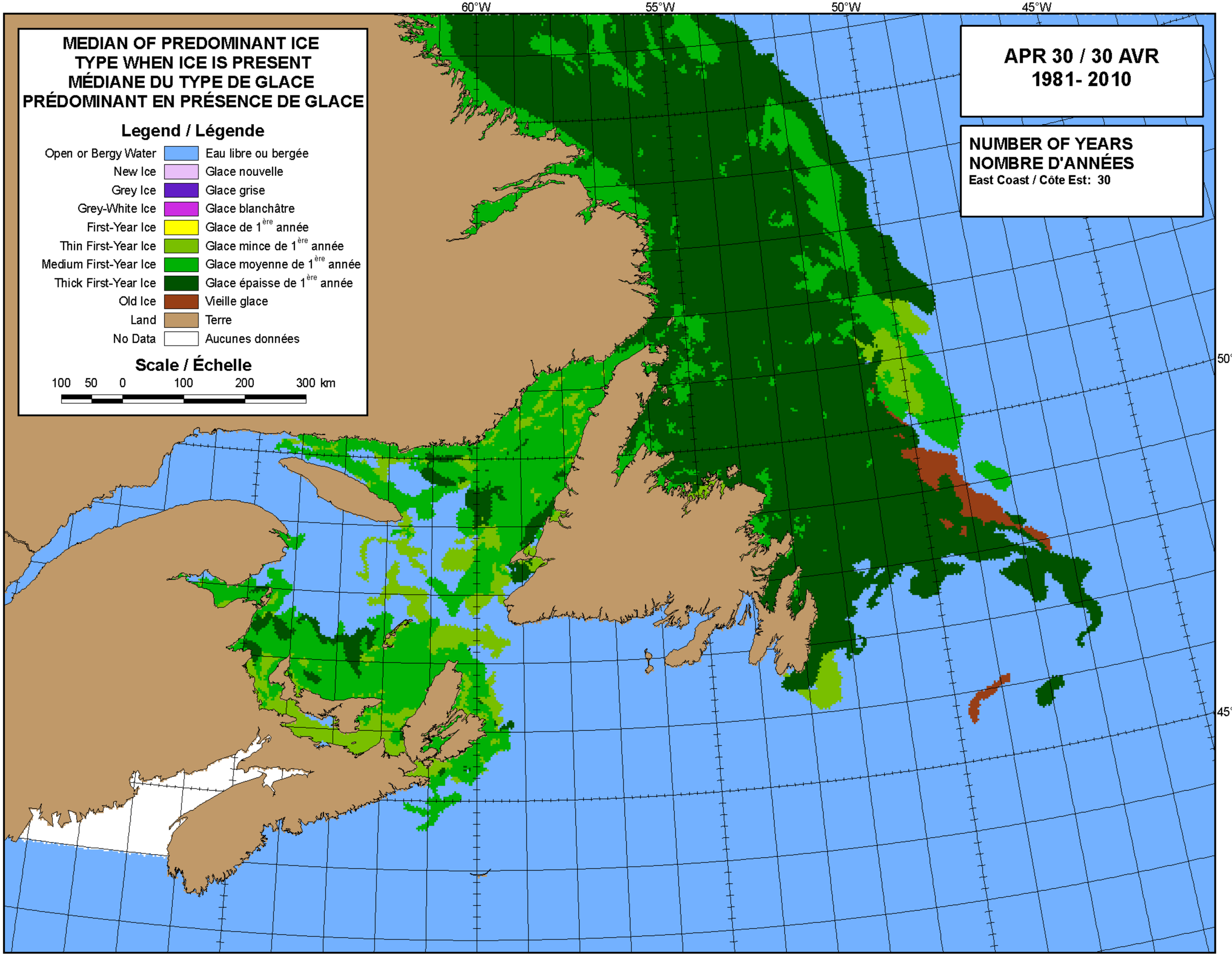
MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 30 / 30 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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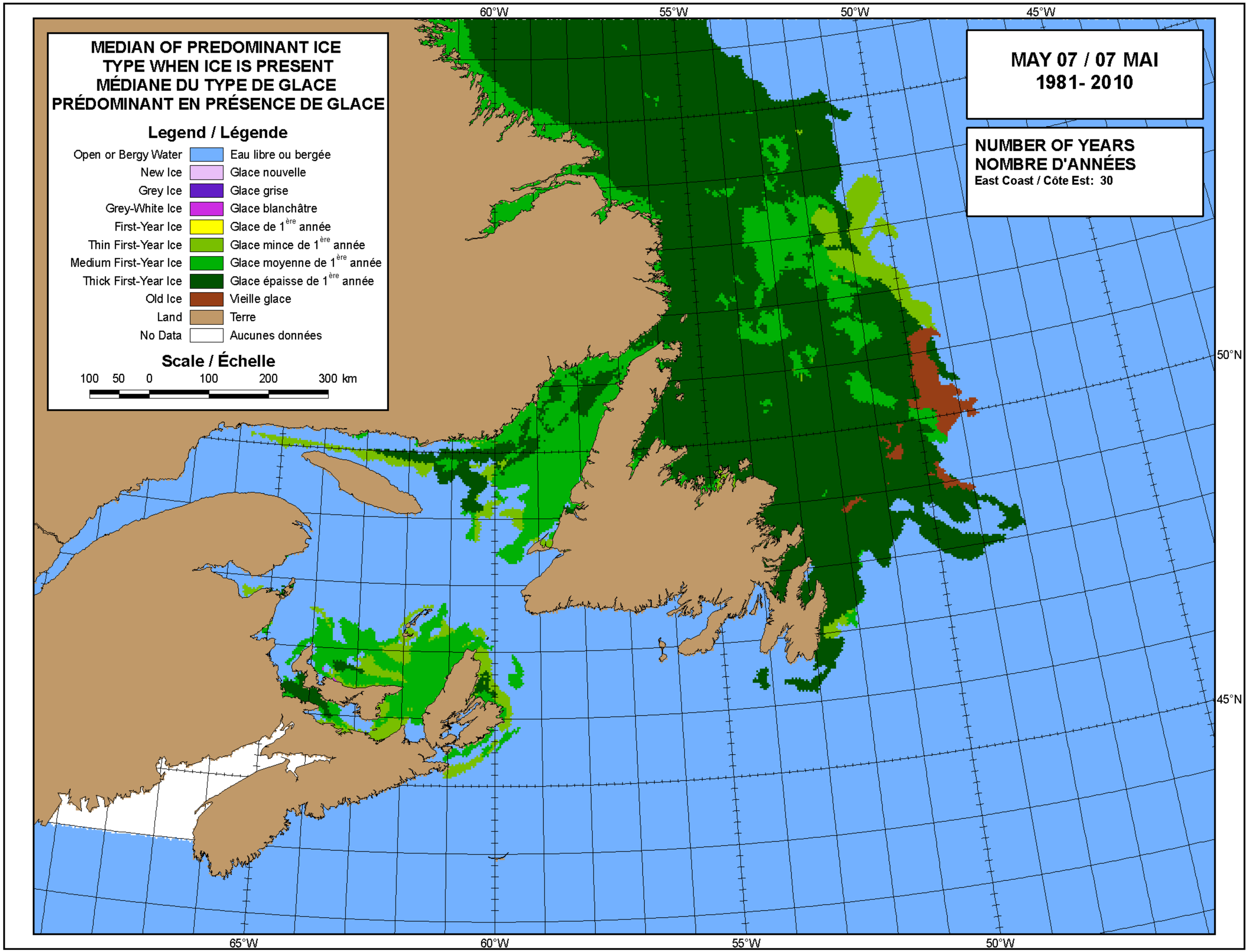
MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 07 / 07 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
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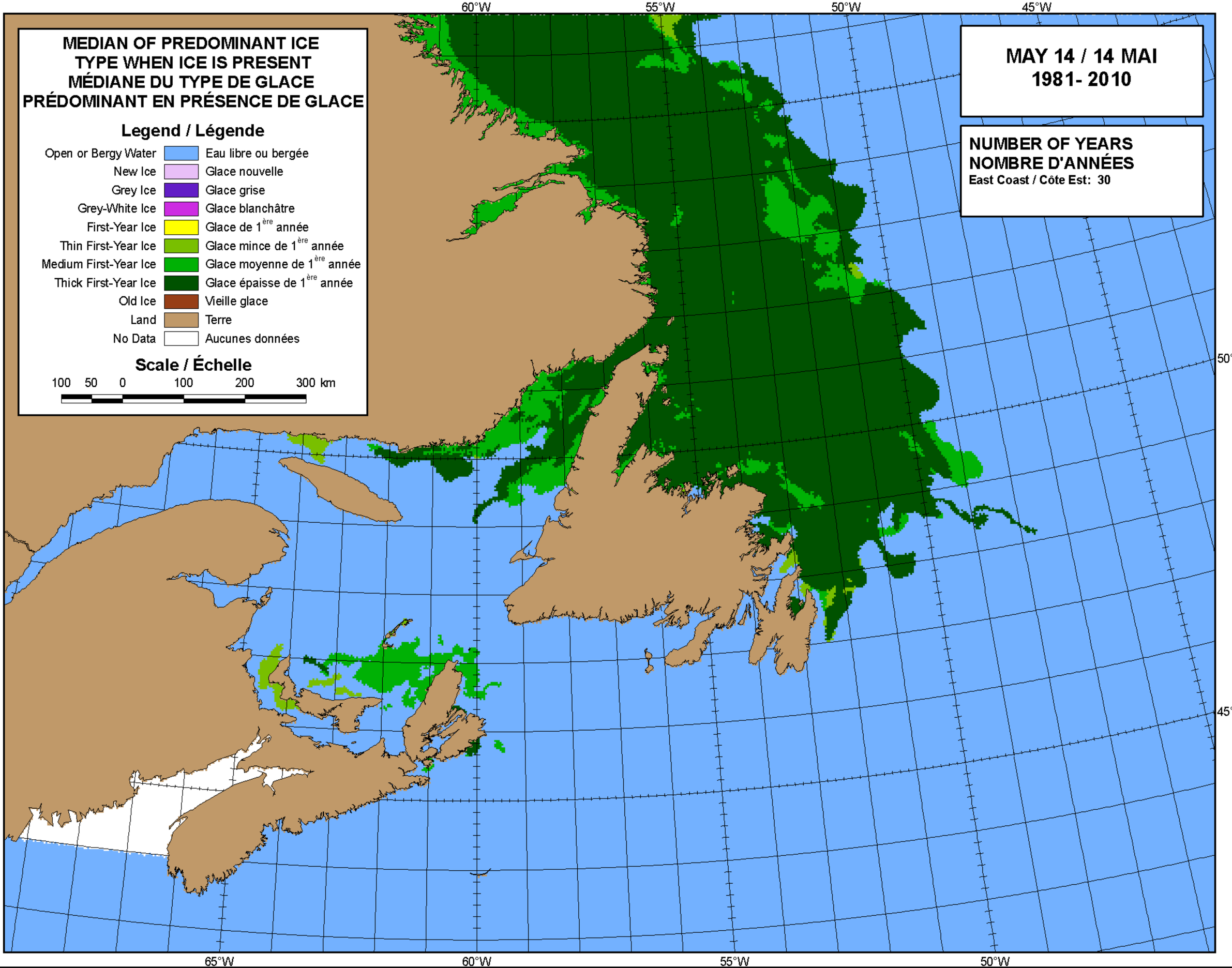
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 14 / 14 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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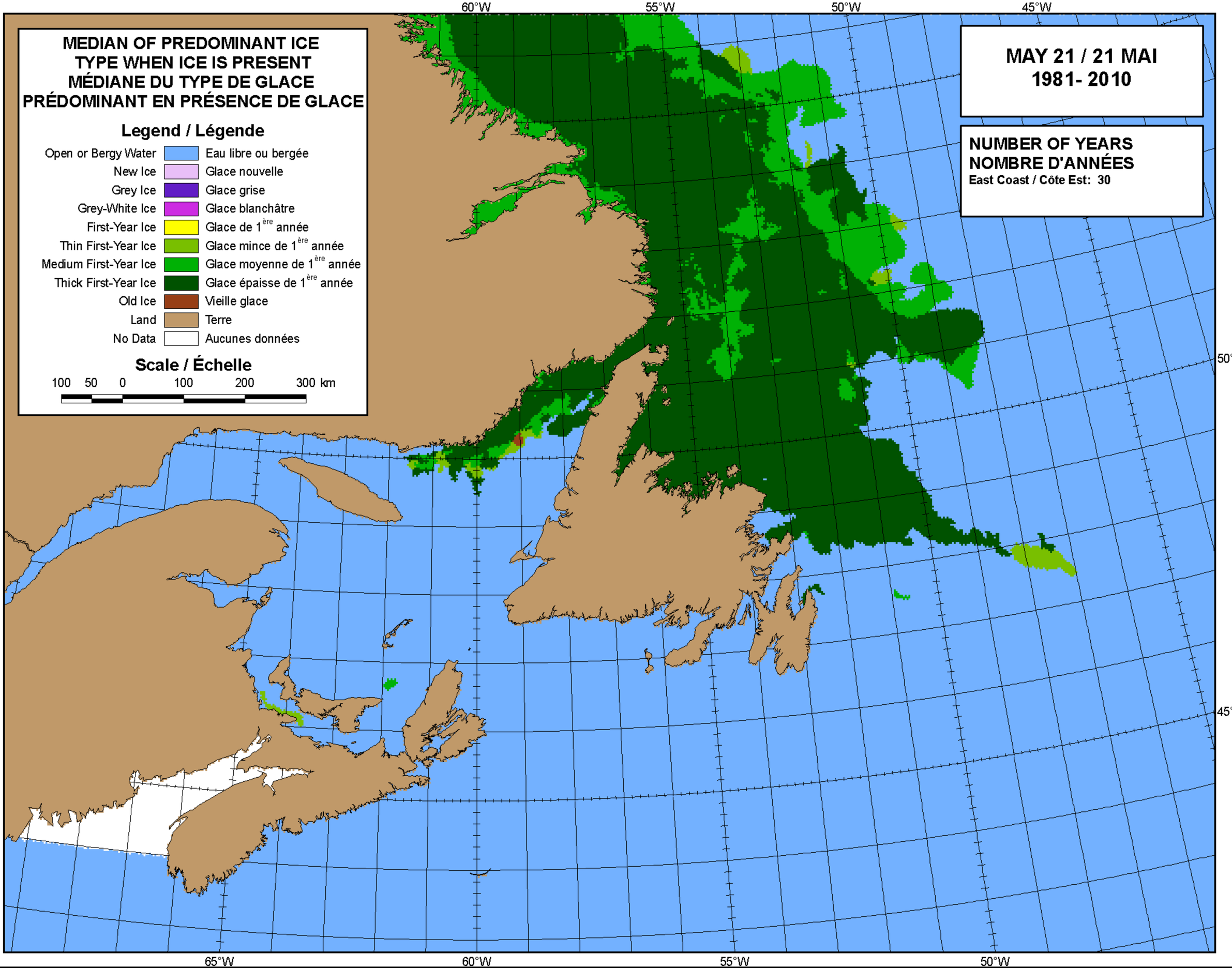
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 21 / 21 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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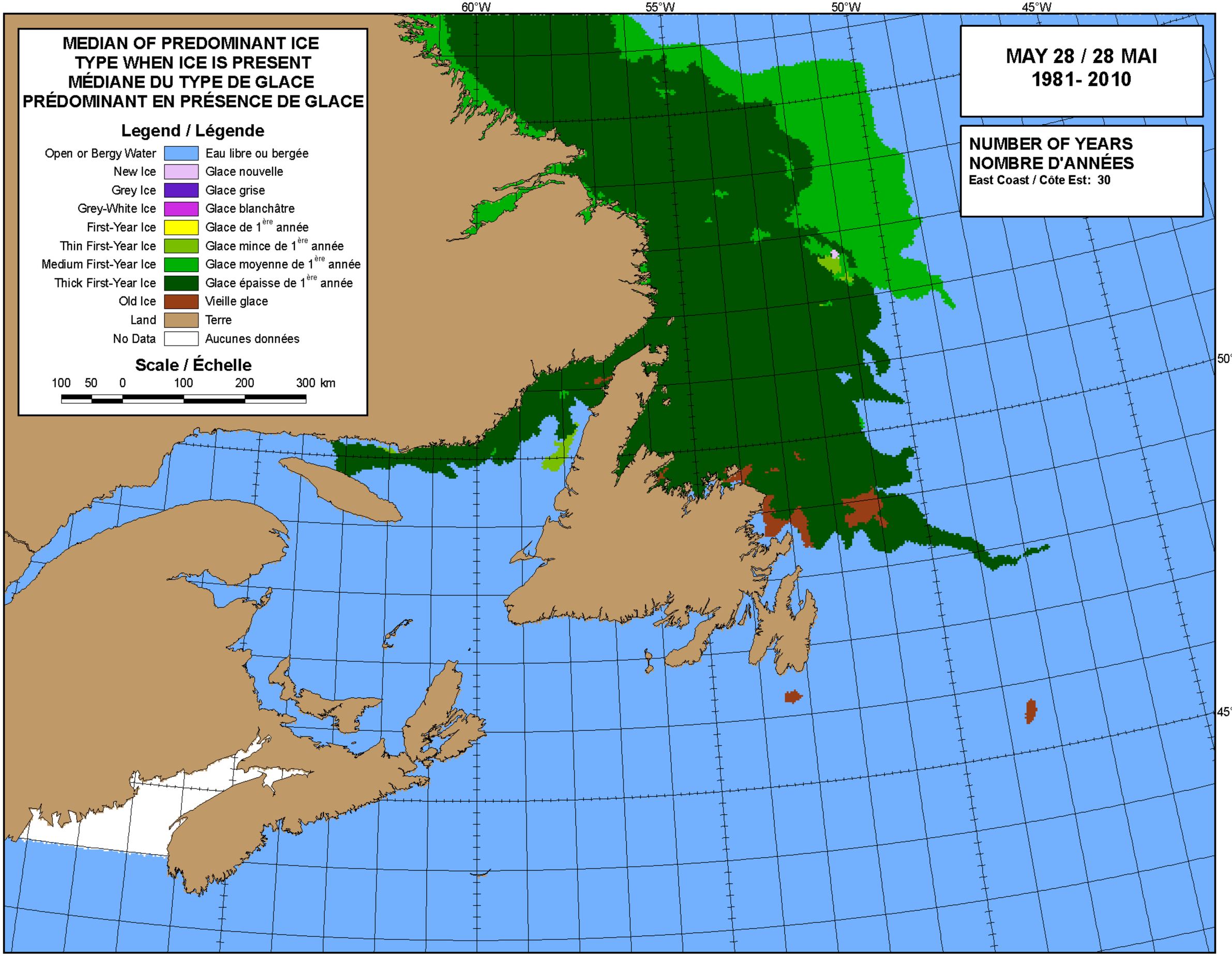
MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 28 / 28 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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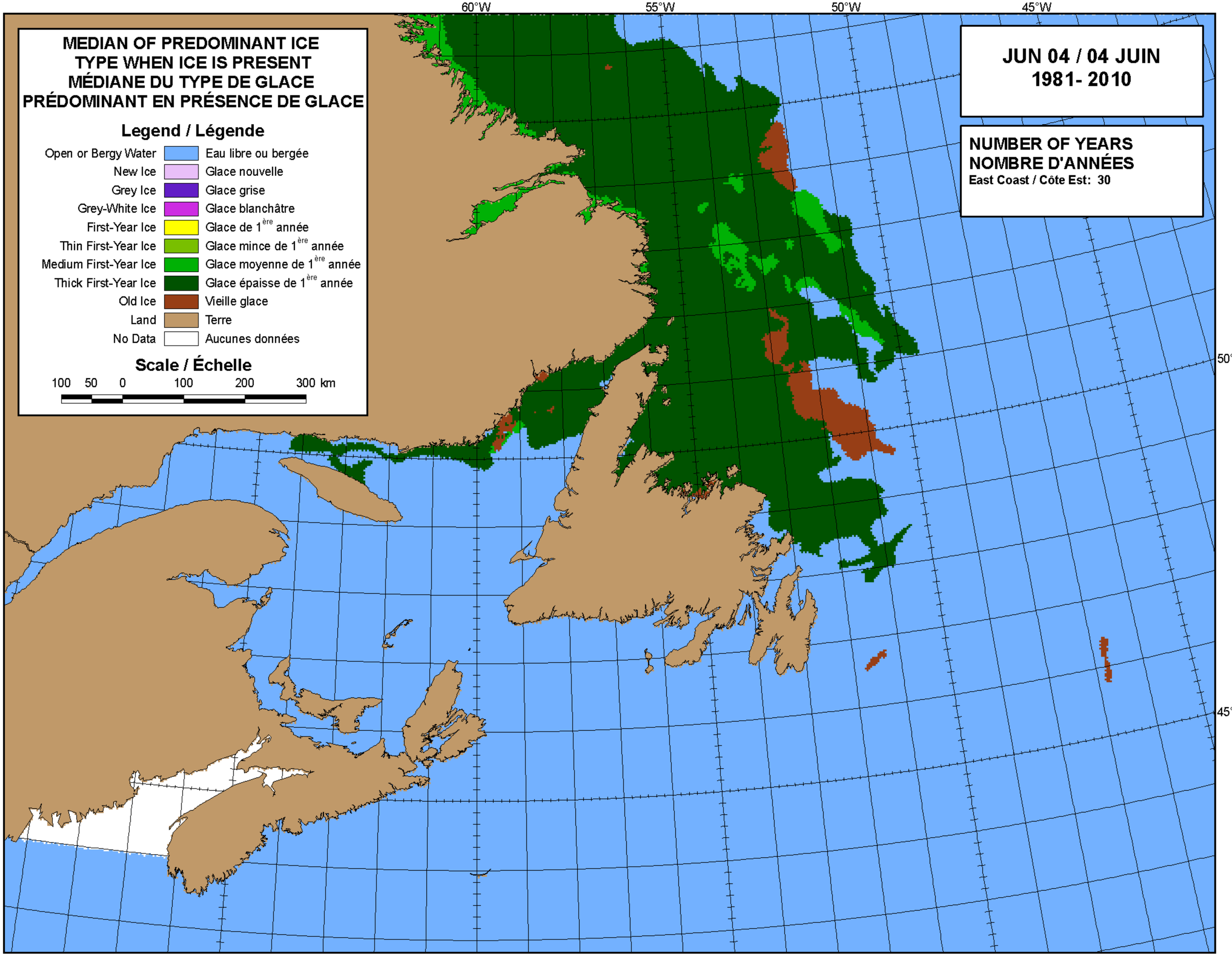
MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 04 / 04 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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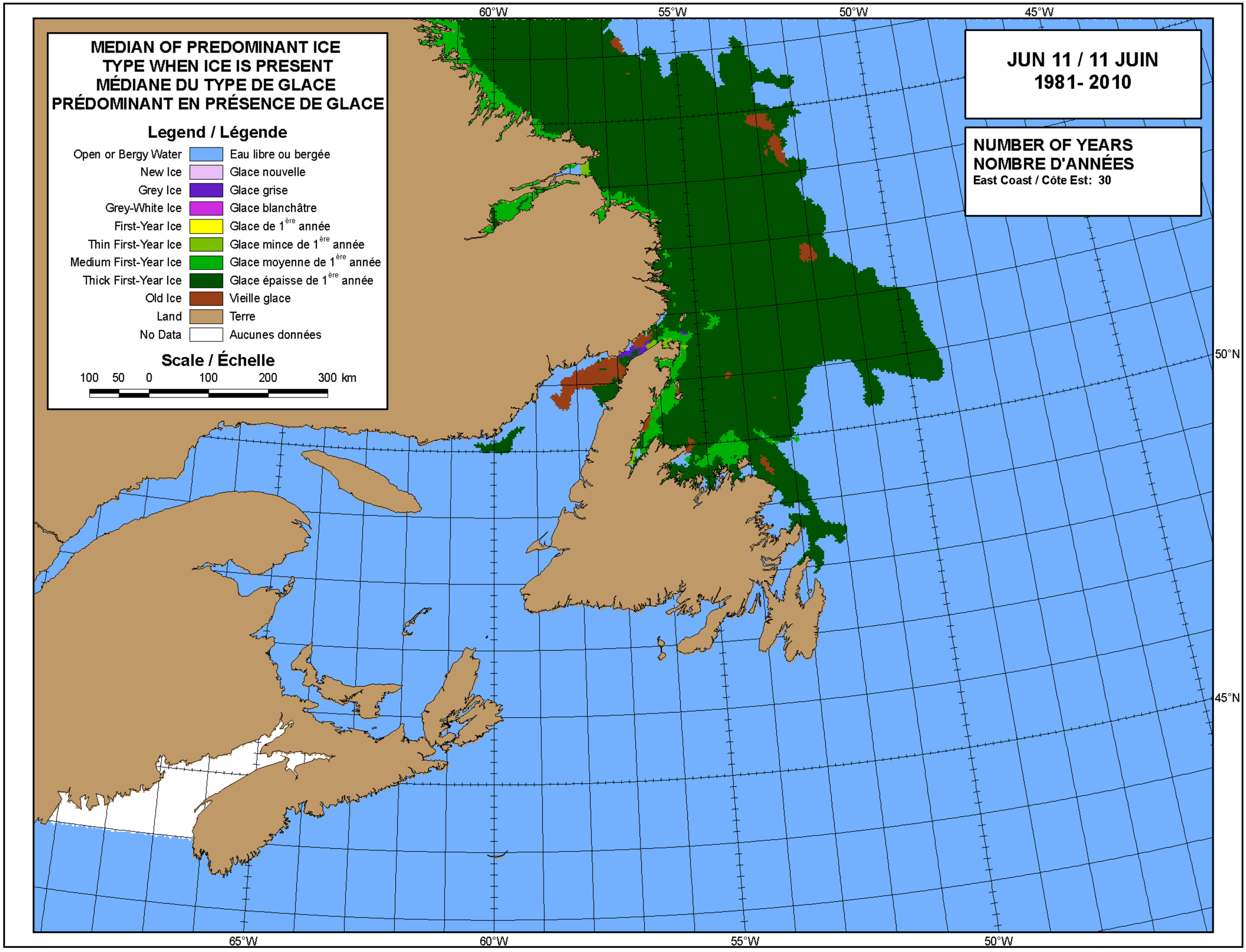
MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
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Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 11 / 11 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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50°N
45°N
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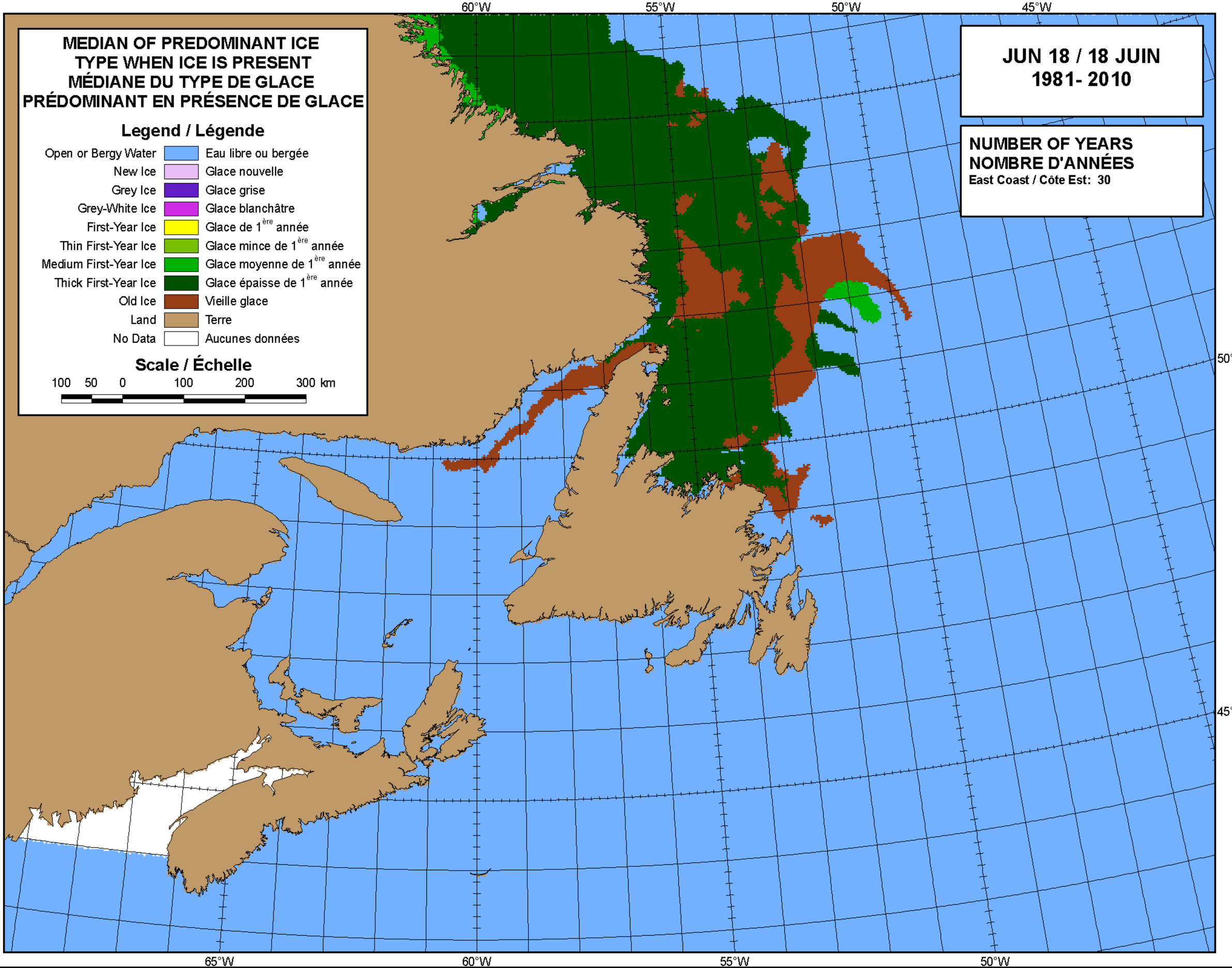
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 18 / 18 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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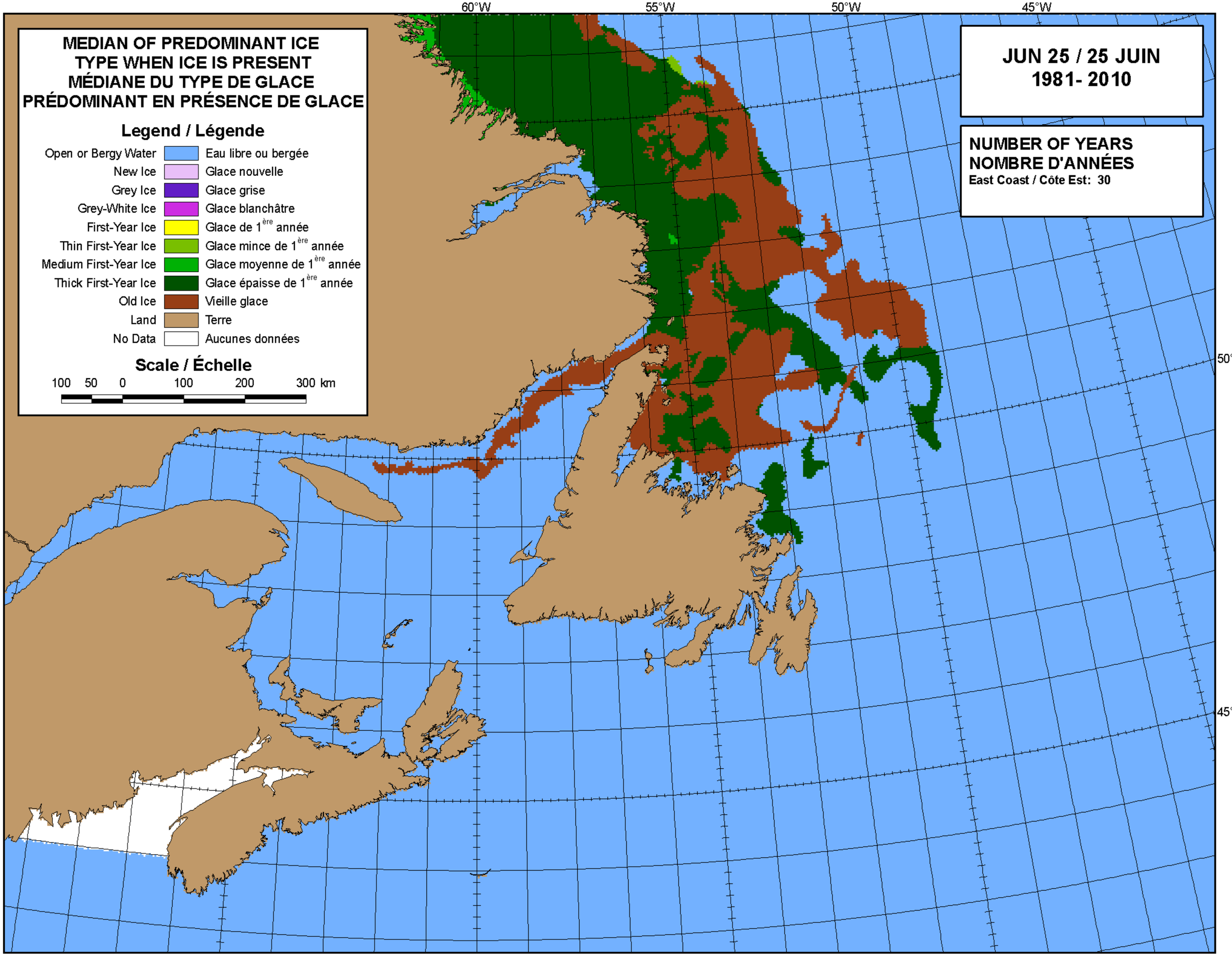
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 25 / 25 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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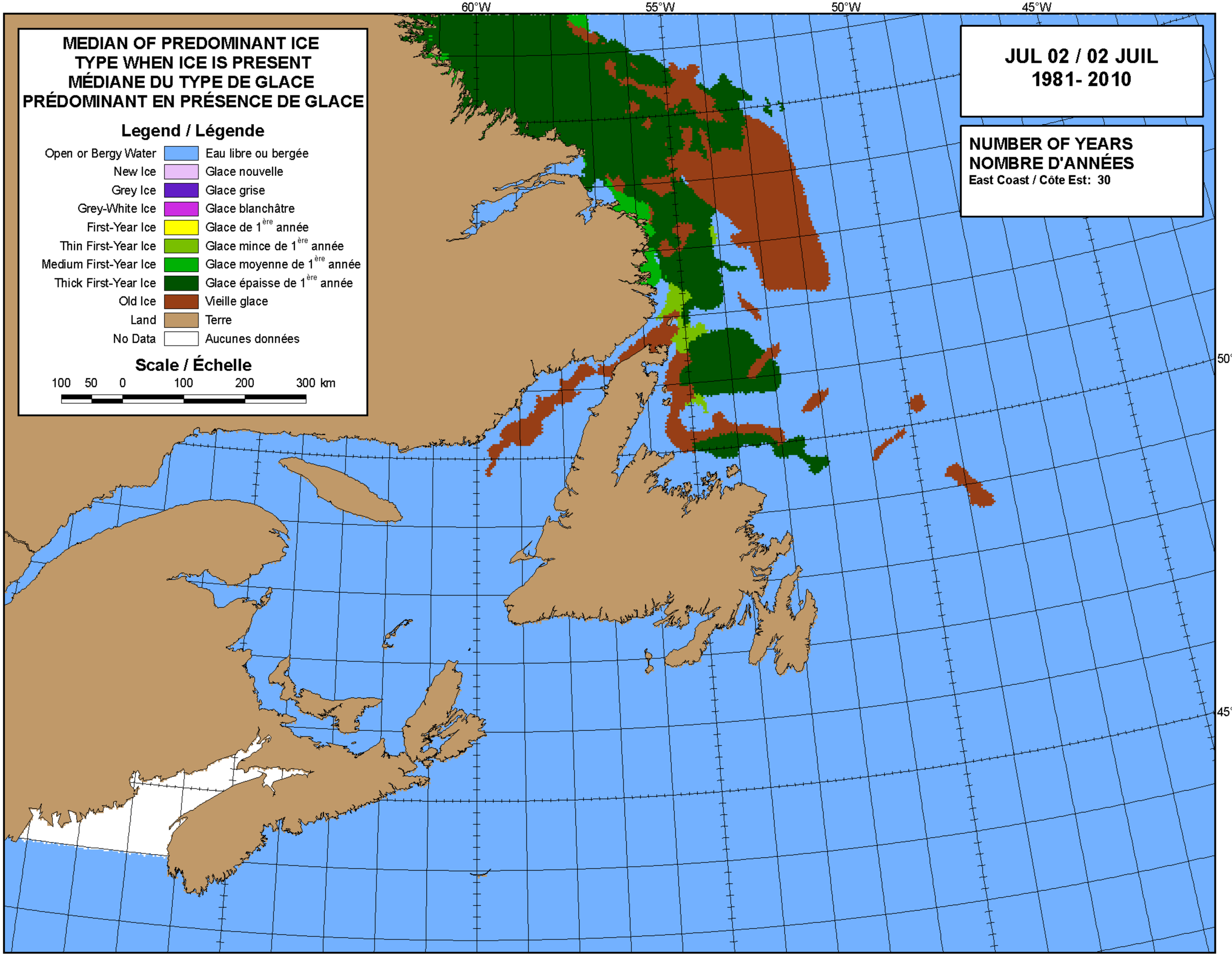
MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
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Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 02 / 02 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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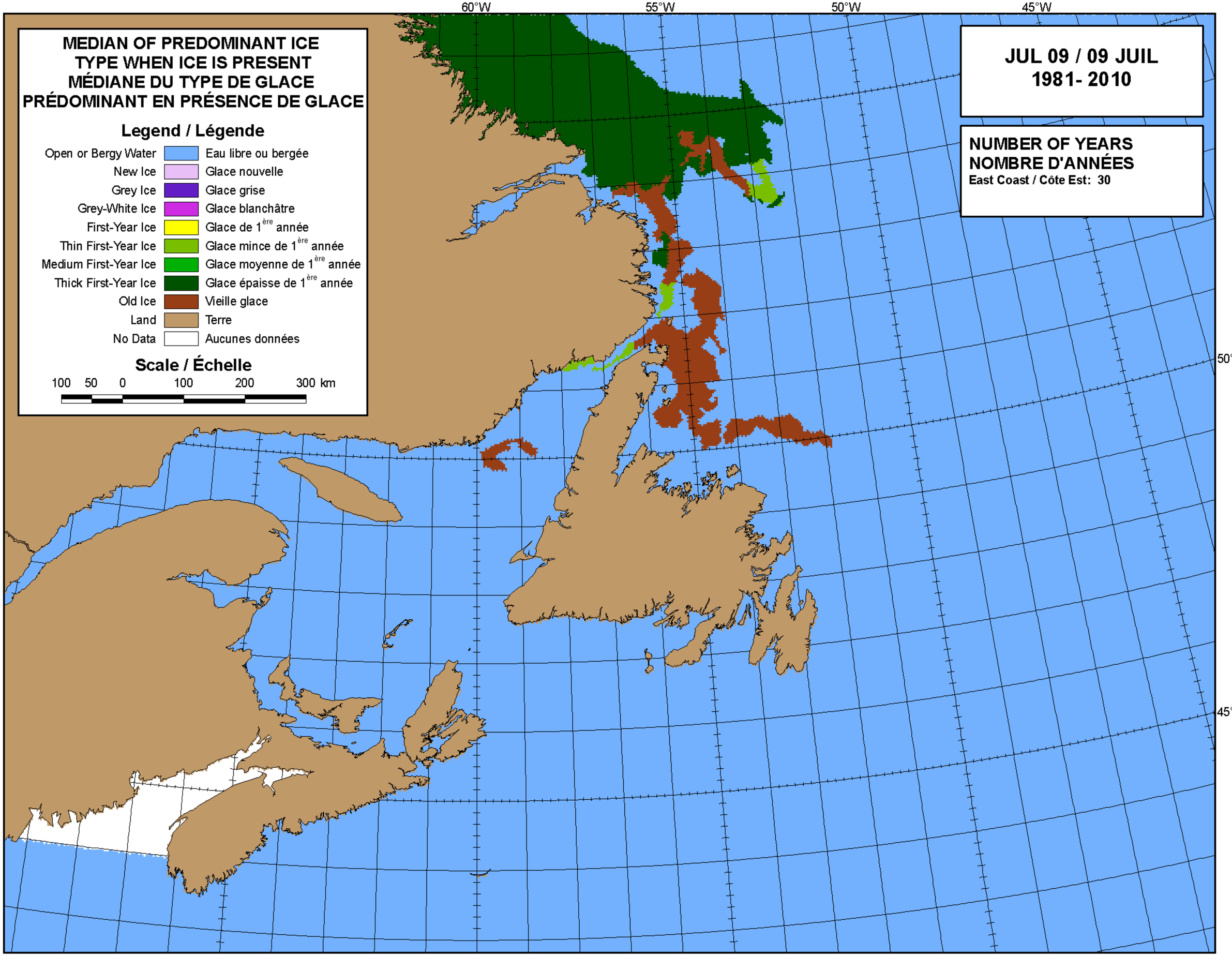
MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
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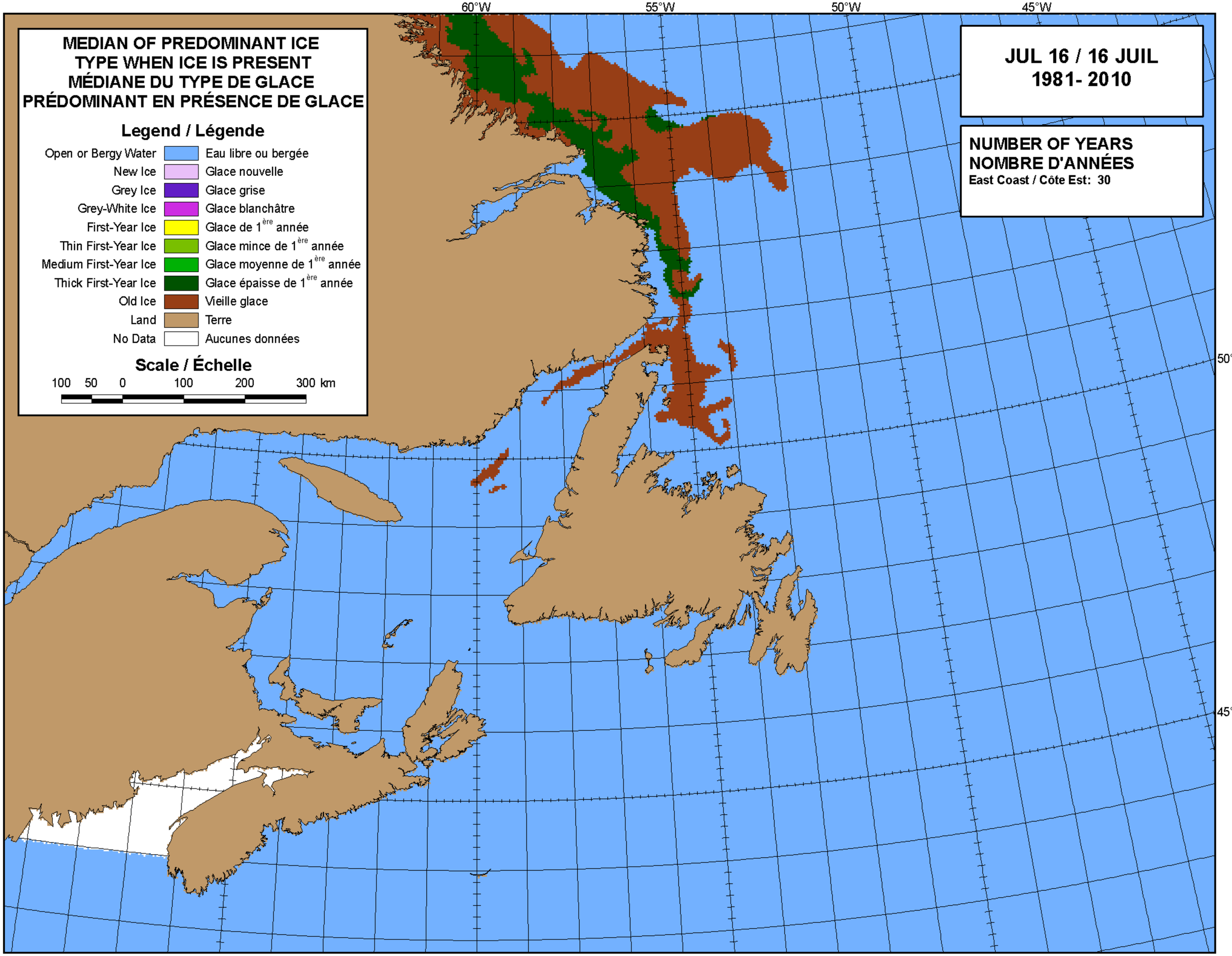
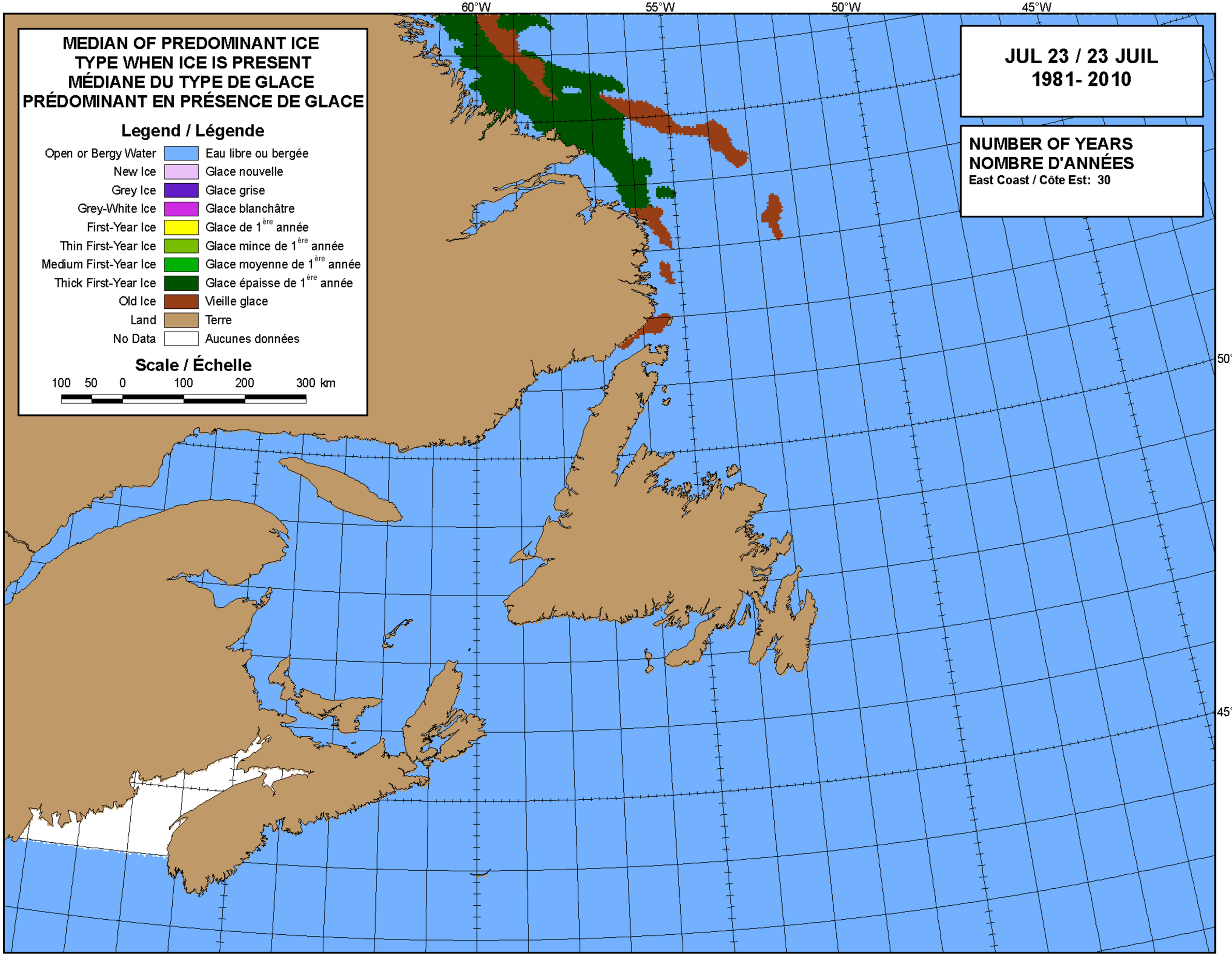
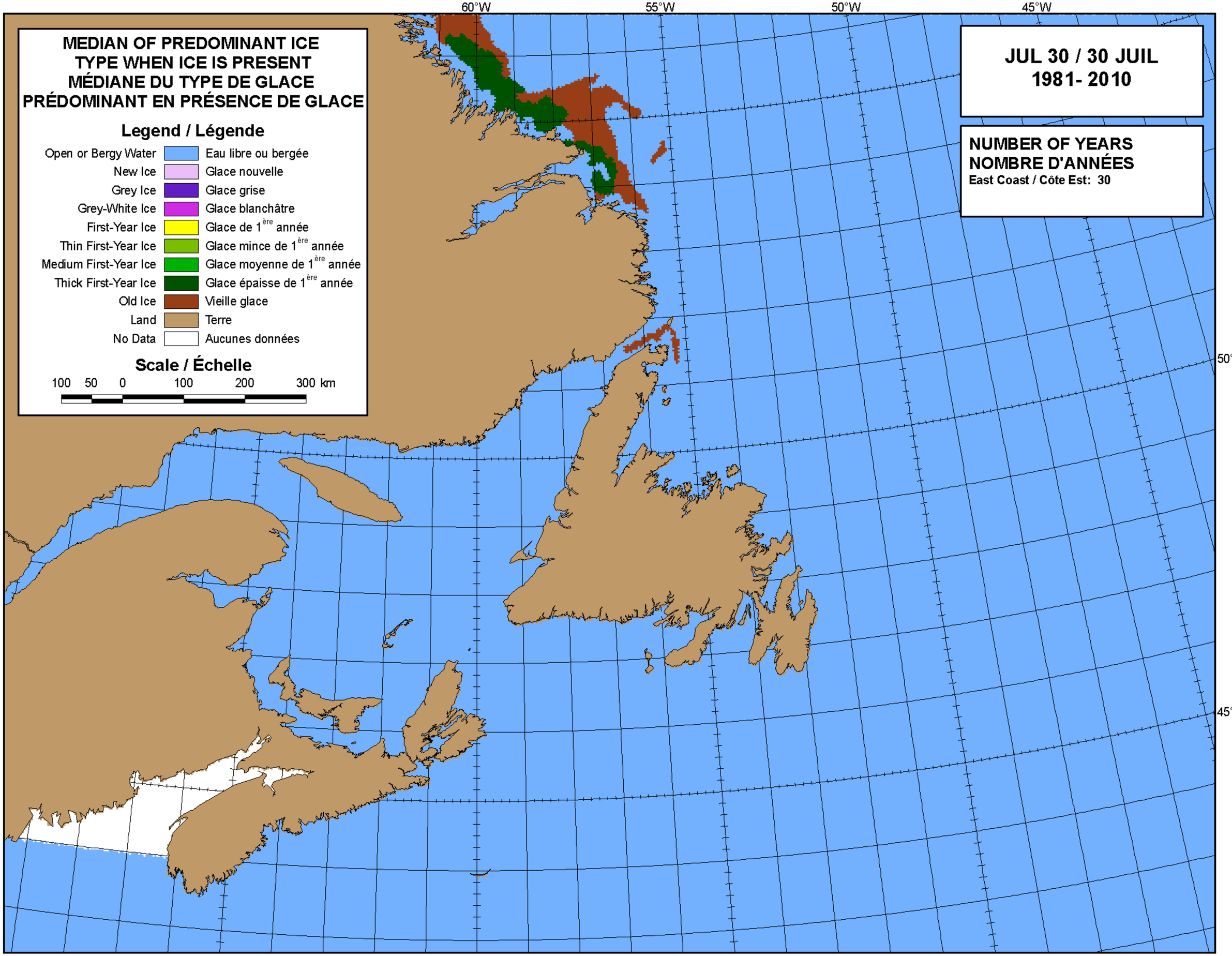
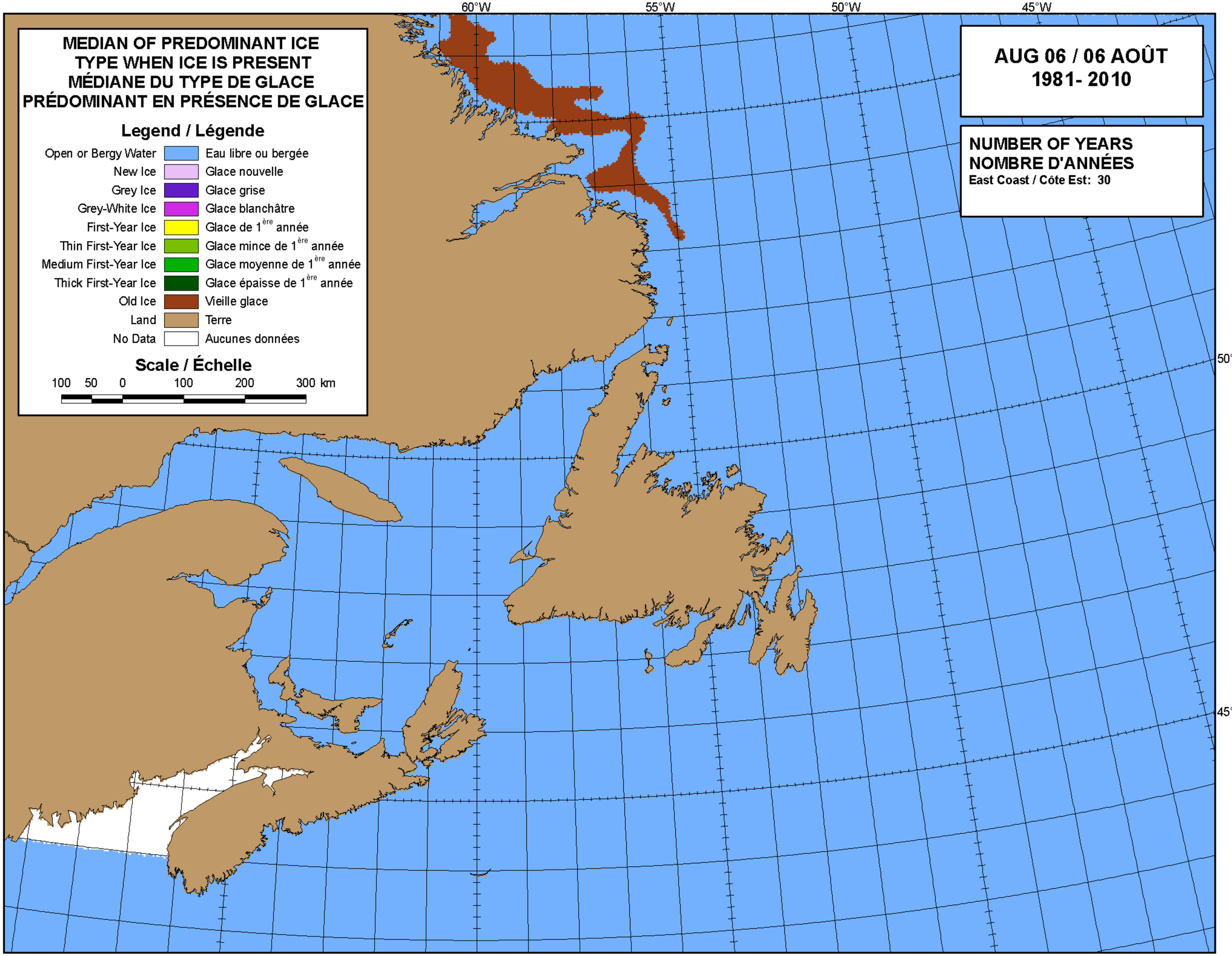
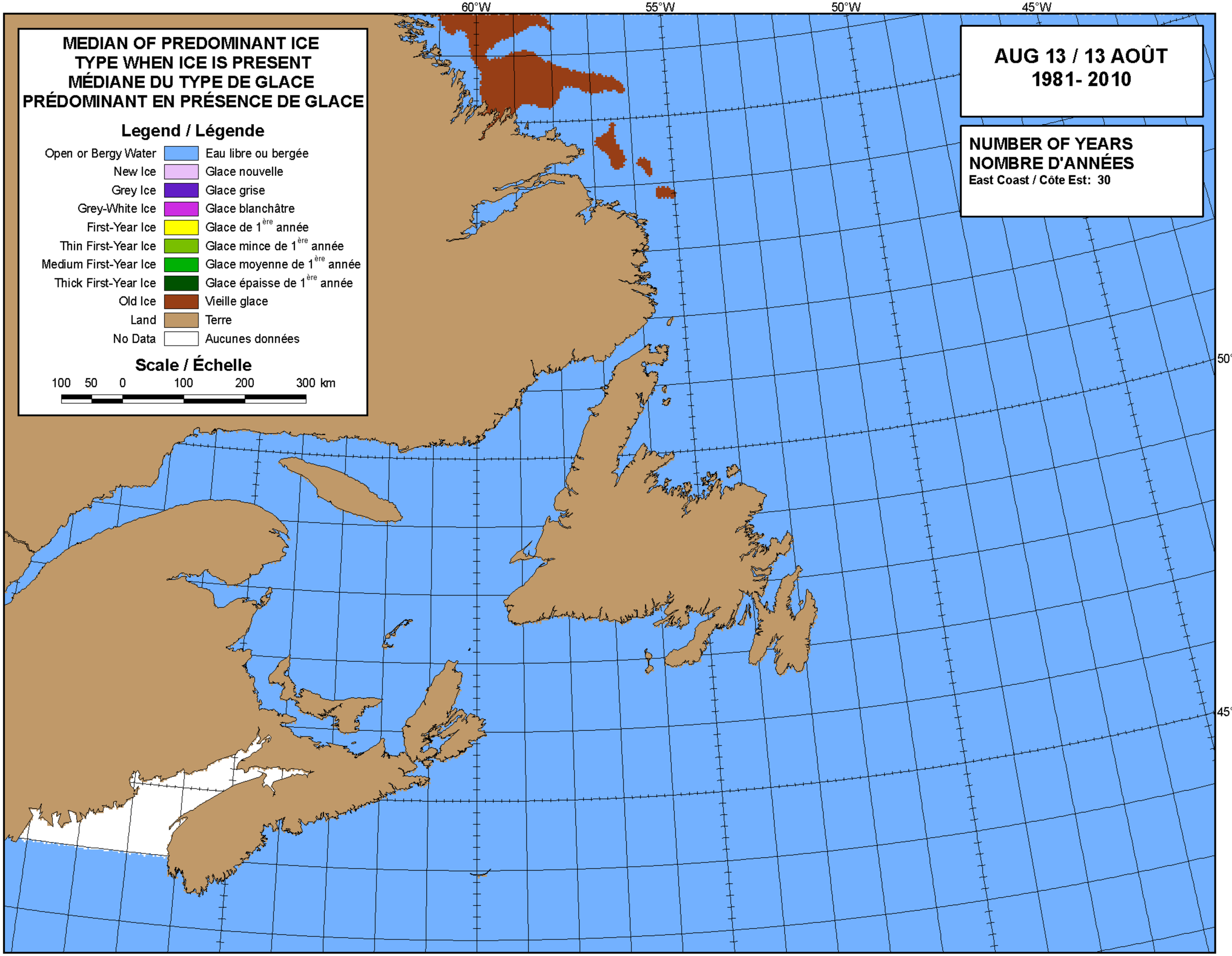
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 09 / 09 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

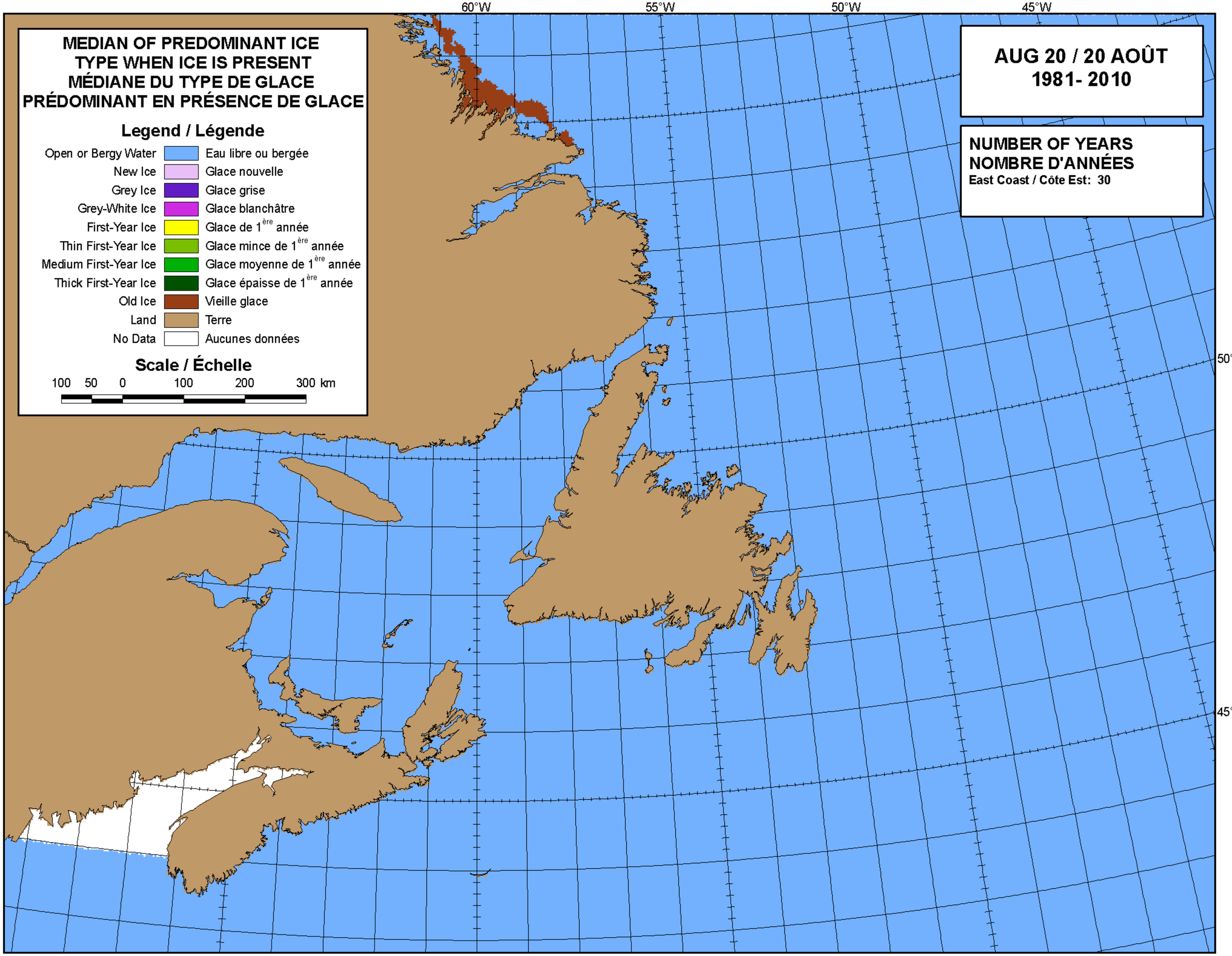

MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 16 / 16 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

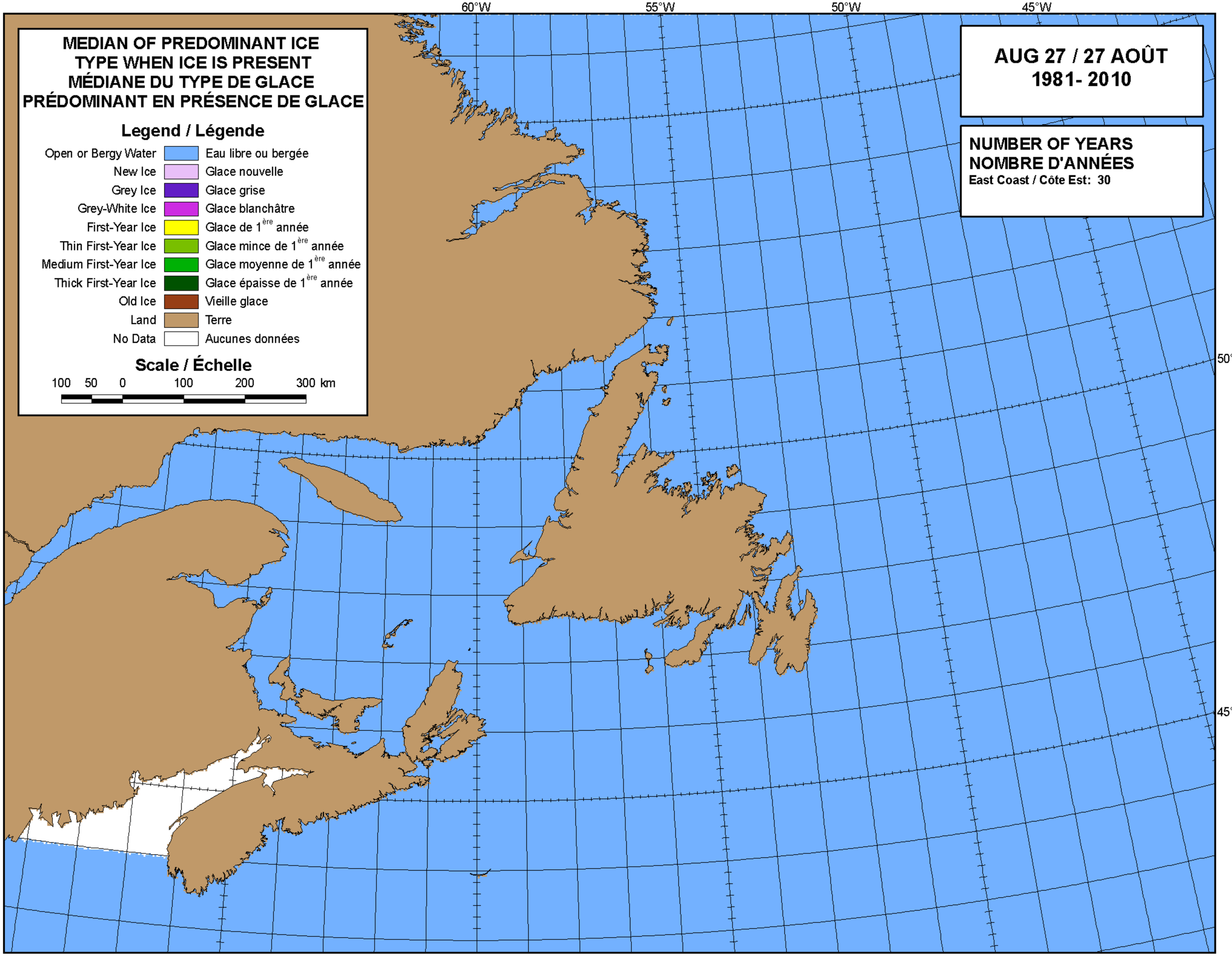

MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 23 / 23 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 30 / 30 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

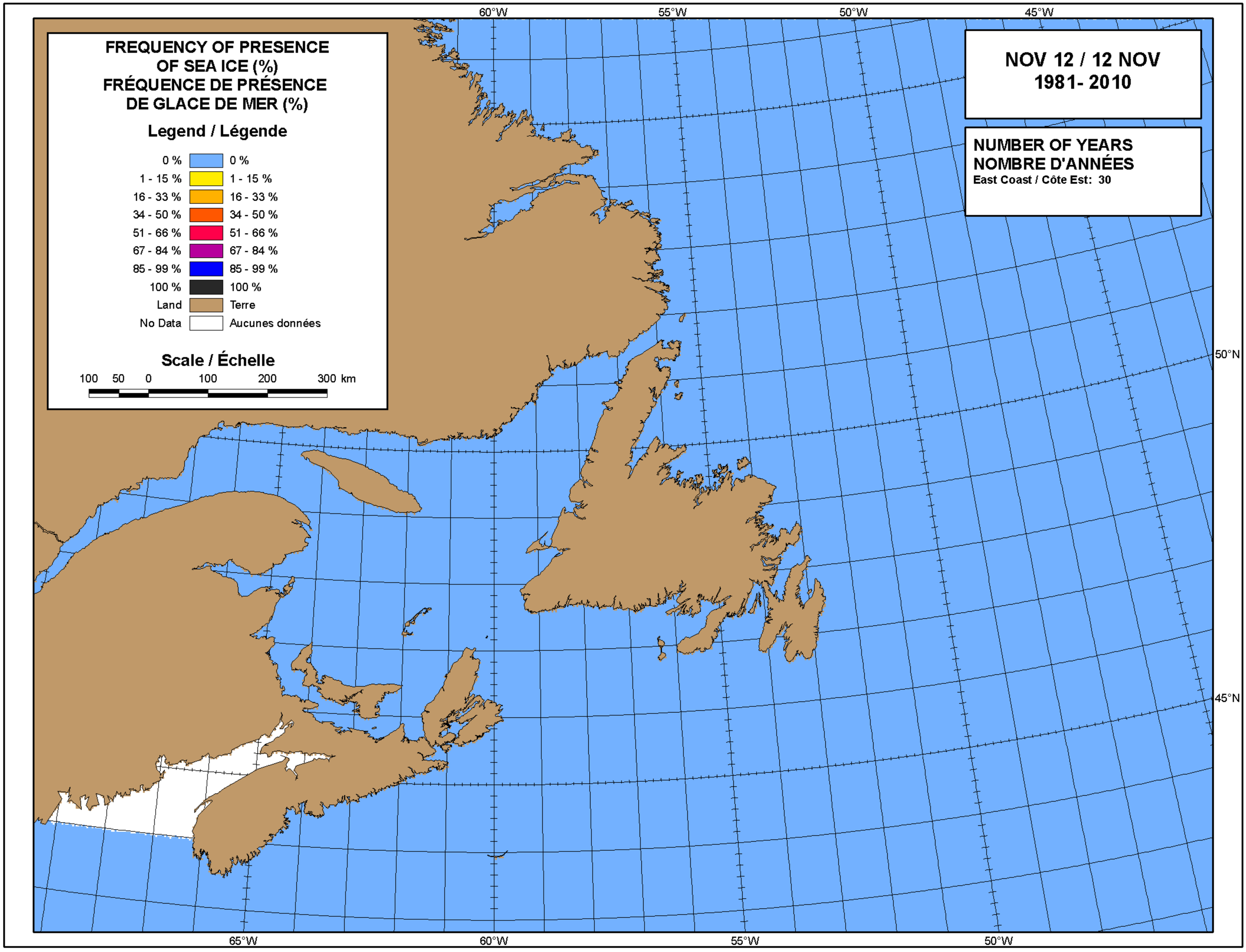

MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 06 / 06 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

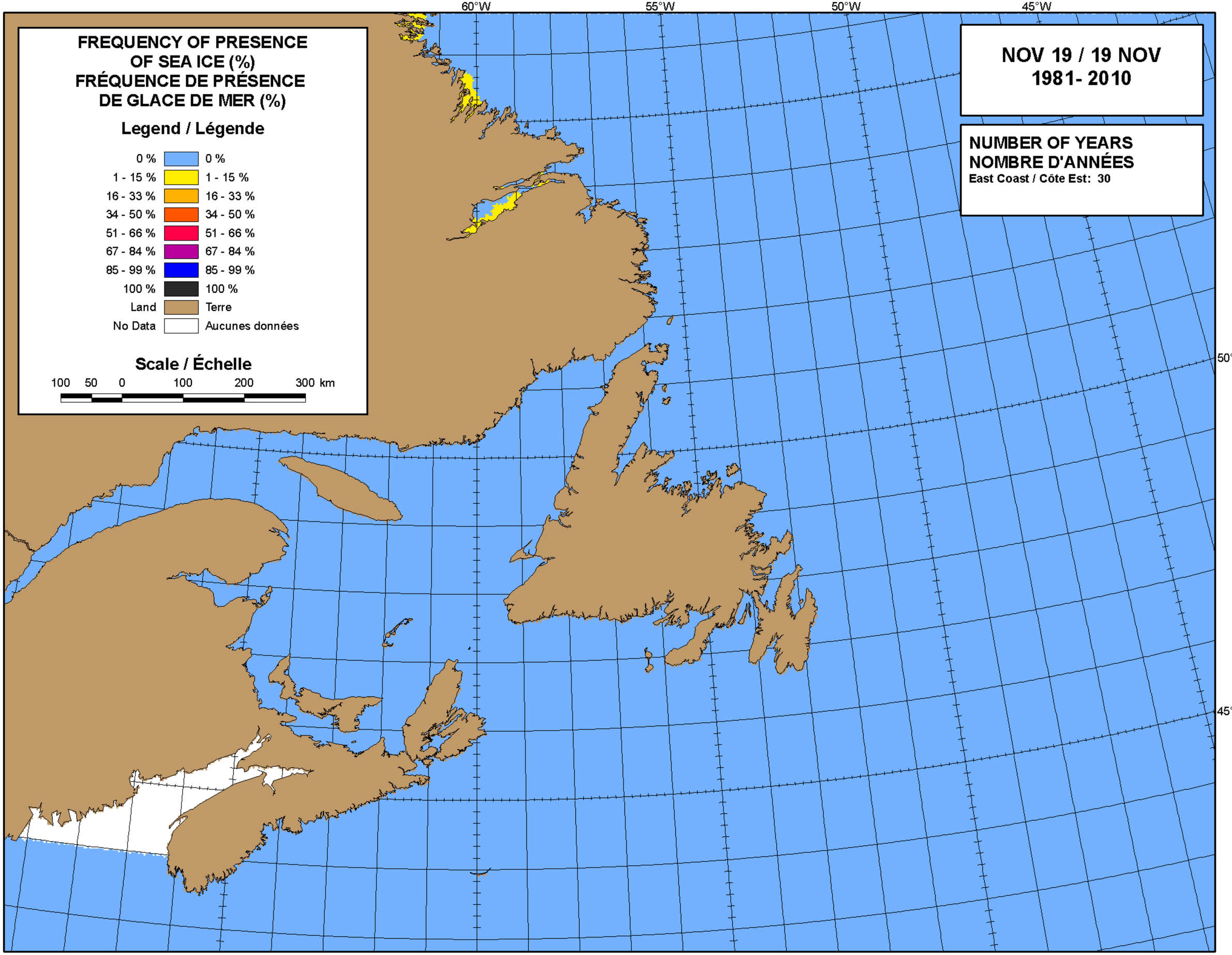

MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 13 / 13 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

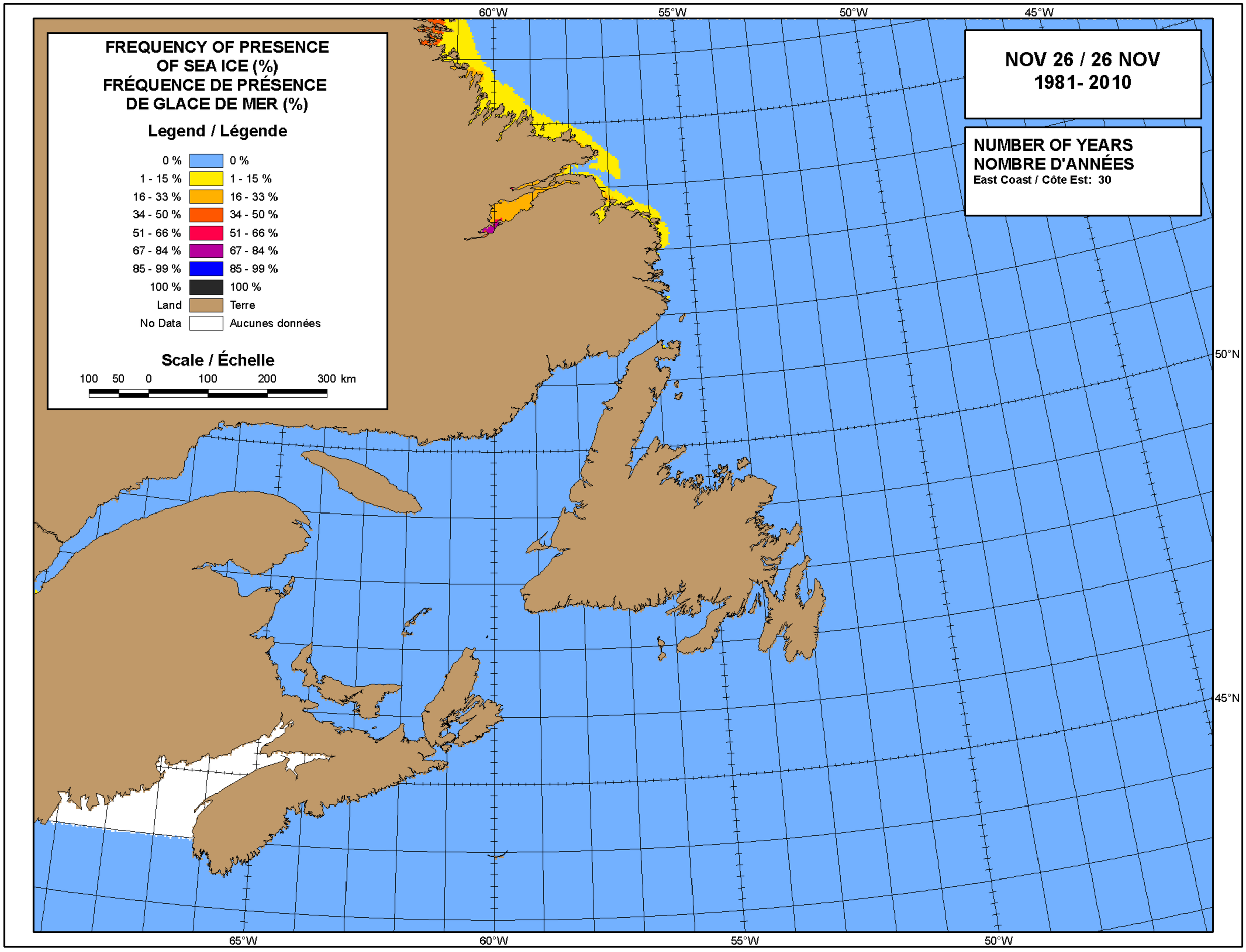

MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water Eau libre ou bergée
New Ice Glace nouvelle
Grey Ice Glace grise
Grey-White Ice Glace blanchâtre
First-Year Ice Glace de 1ère année
Thin First-Year Ice Glace mince de 1ère année
Medium First-Year Ice Glace moyenne de 1ère année
Thick First-Year Ice Glace épaisse de 1ère année
Old Ice Vieille glace
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 20 / 20 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

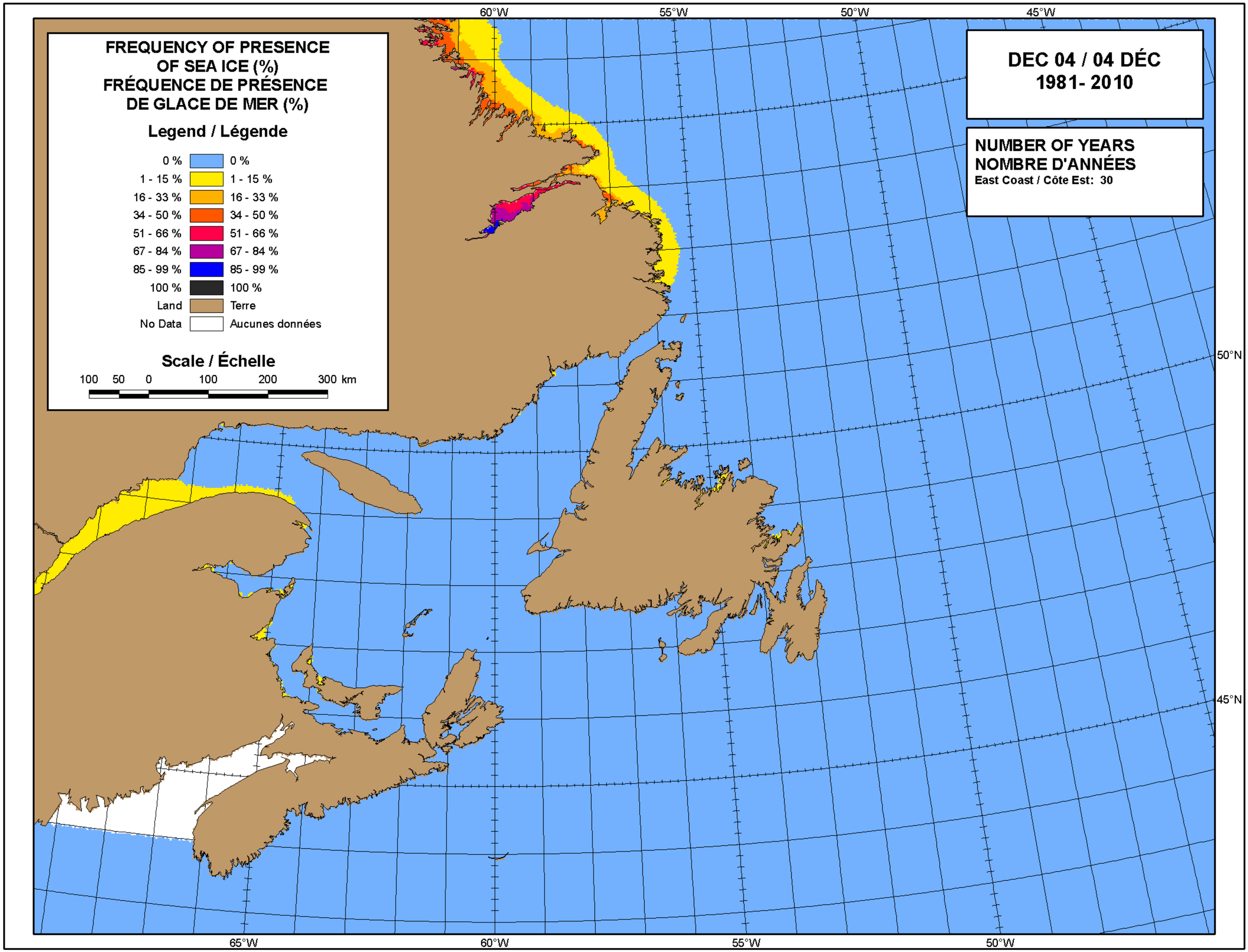

MEDIAN OF PREDOMINANT ICE TYPE WHEN ICE IS PRESENT
MÉDIANE DU TYPE DE GLACE PRÉDOMINANT EN PRÉSENCE DE GLACE
Legend / Légende
Open or Bergy Water
Eau libre ou bergée
New Ice
Glace nouvelle
Grey Ice
Glace grise
Grey-White Ice
Glace blanchâtre
First-Year Ice
Glace de 1ère année
Thin First-Year Ice
Glace mince de 1ère année
Medium First-Year Ice
Glace moyenne de 1ère année
Thick First-Year Ice
Glace épaisse de 1ère année
Old Ice
Vieille glace
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 27 / 27 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

30-Year Frequency of Presence of Sea Ice (%) Charts


FREQUENCY OF PRESENCE
OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE
DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
NOV 12 / 12 NOV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE
DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
NOV 19 / 19 NOV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE
DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
NOV 26 / 26 NOV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 04 / 04 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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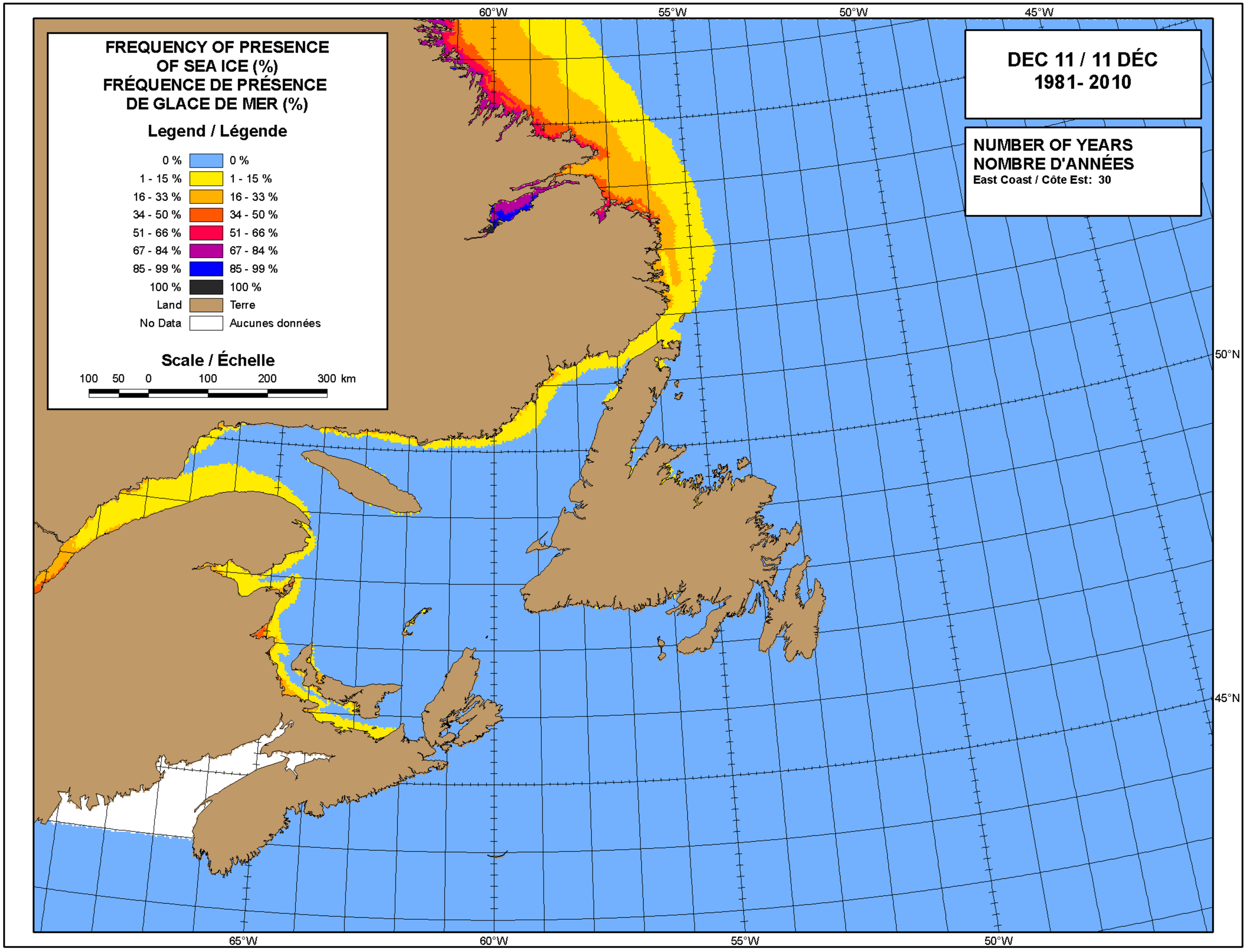
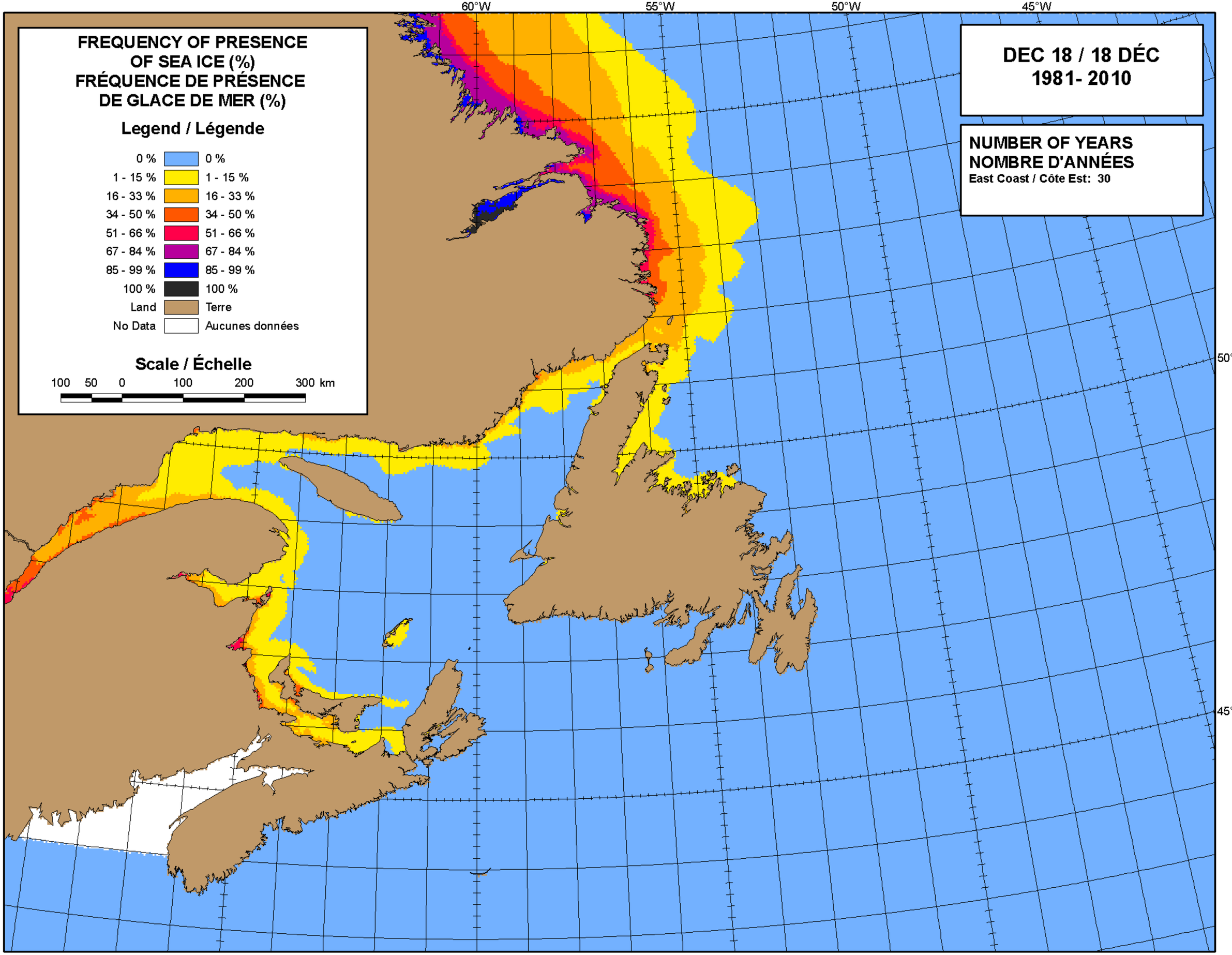
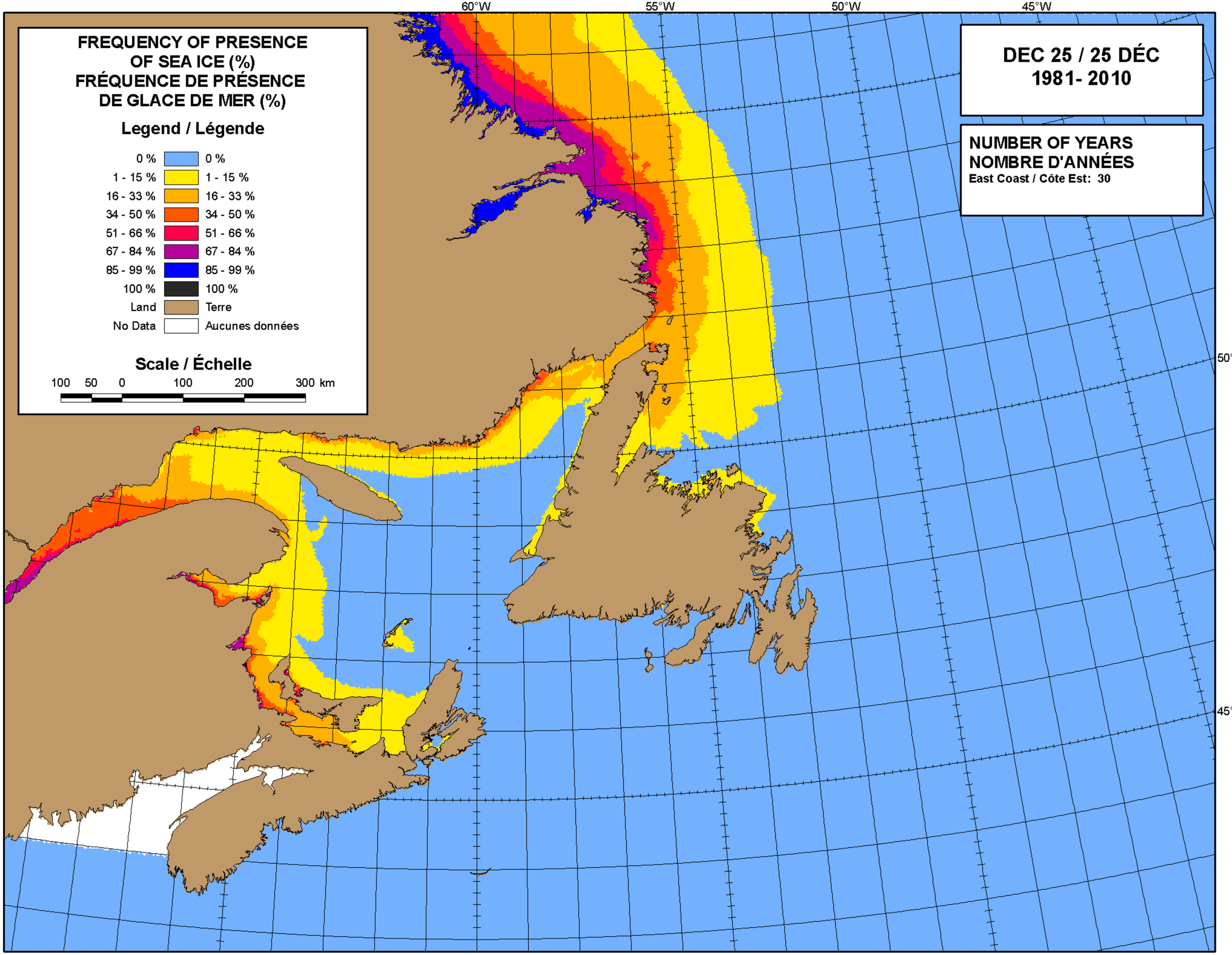
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 11 / 11 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 18 / 18 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 25 / 25 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
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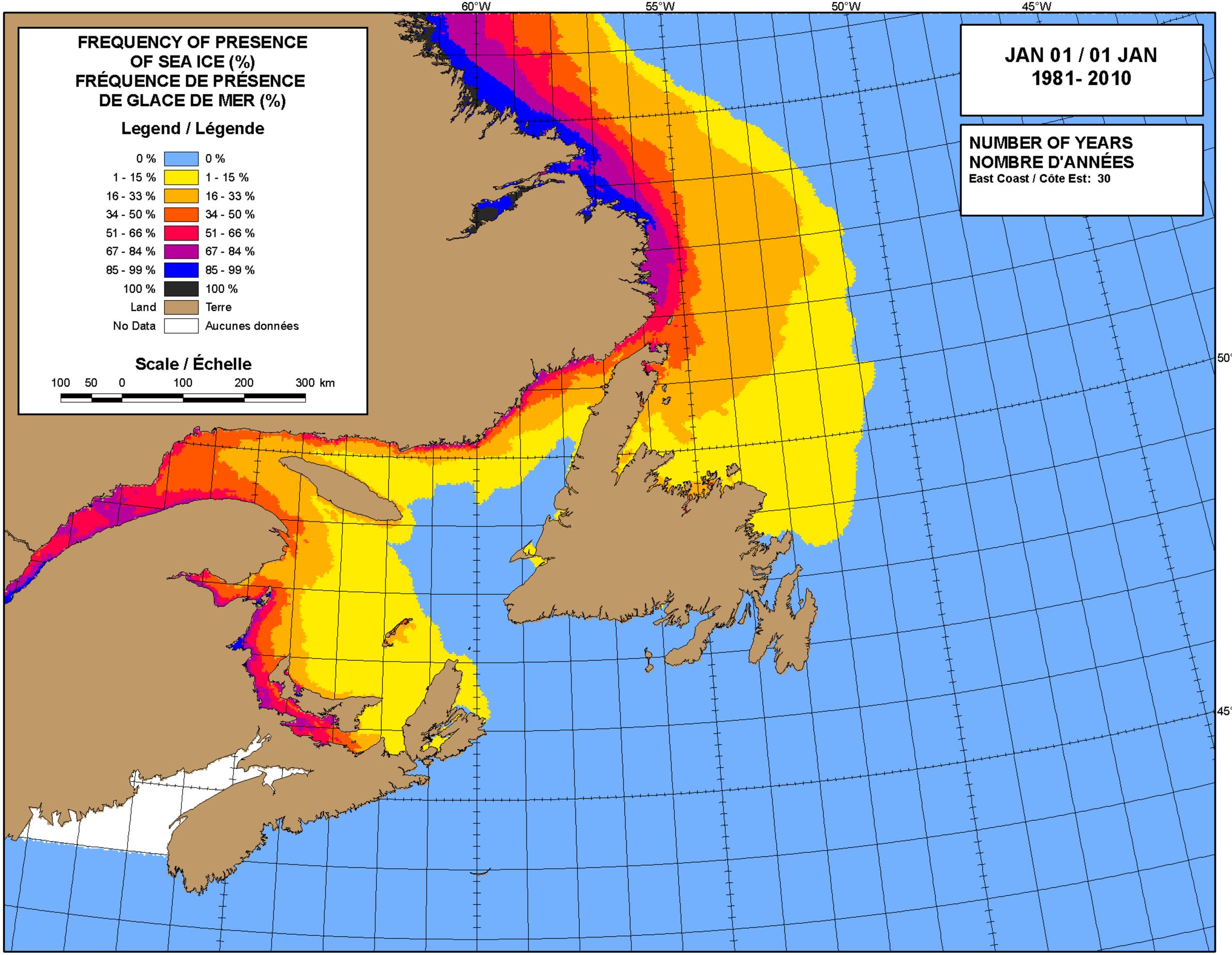
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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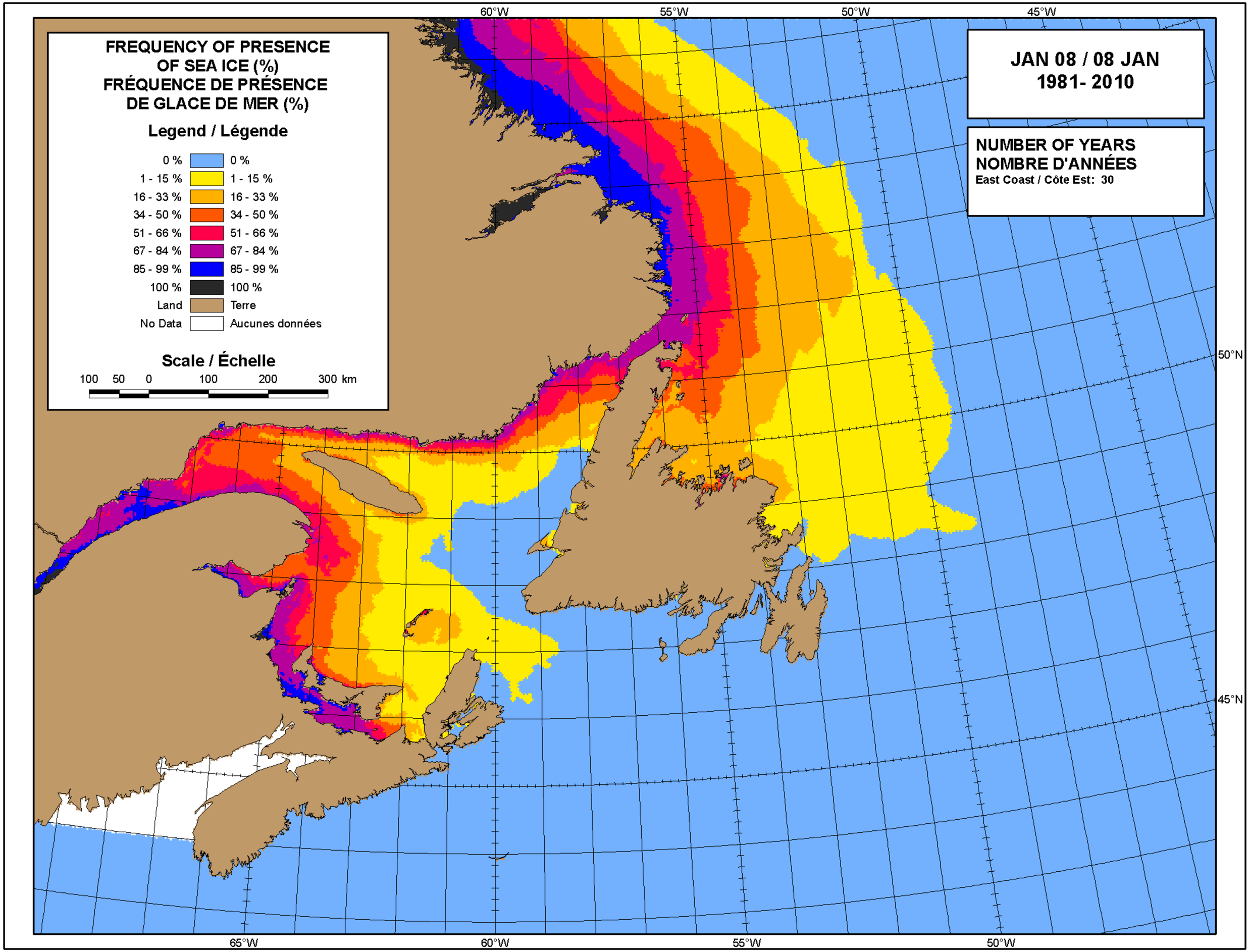
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 01 / 01 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 08 / 08 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
50°W
45°W
50°N
45°N
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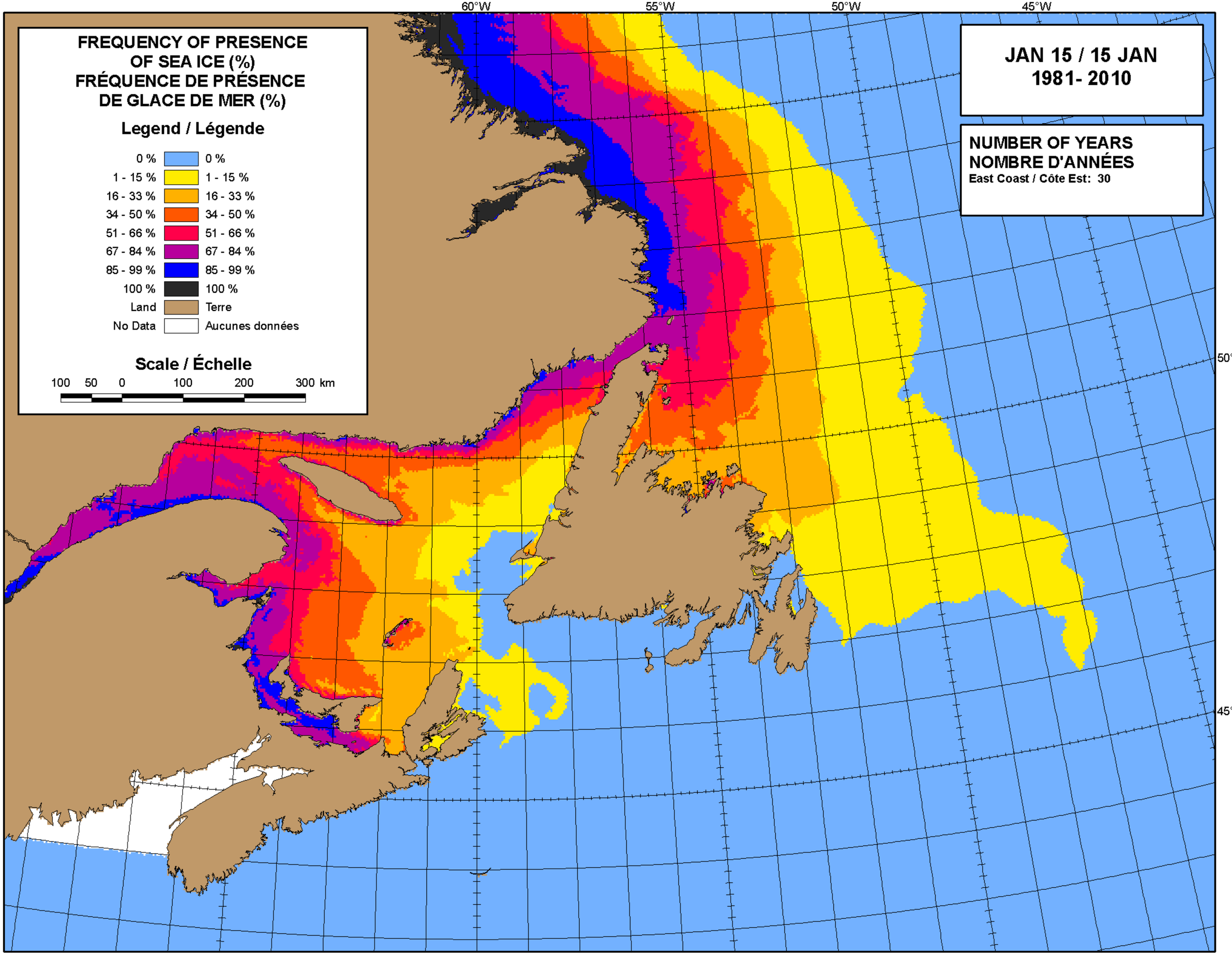
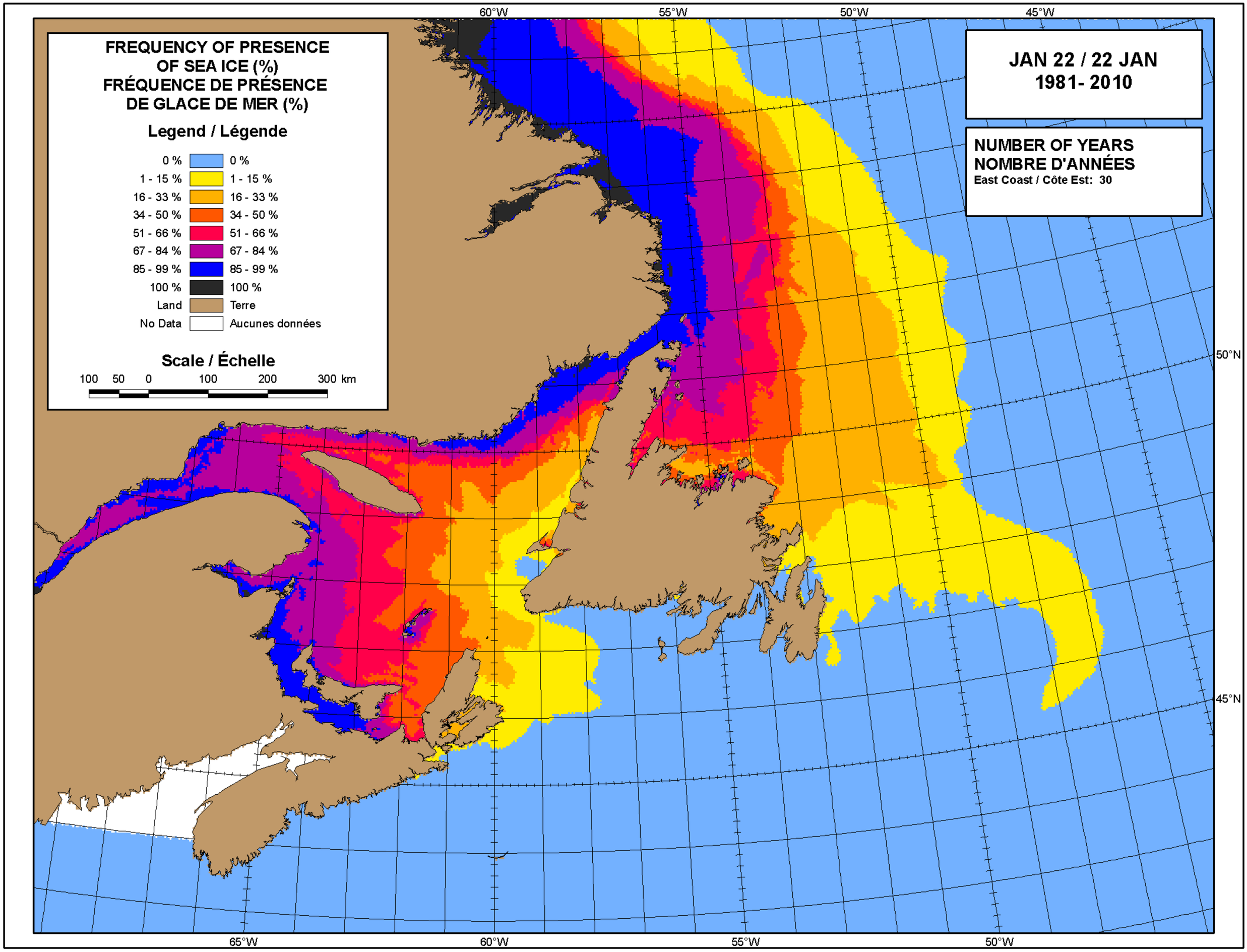
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 15 / 15 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 22 / 22 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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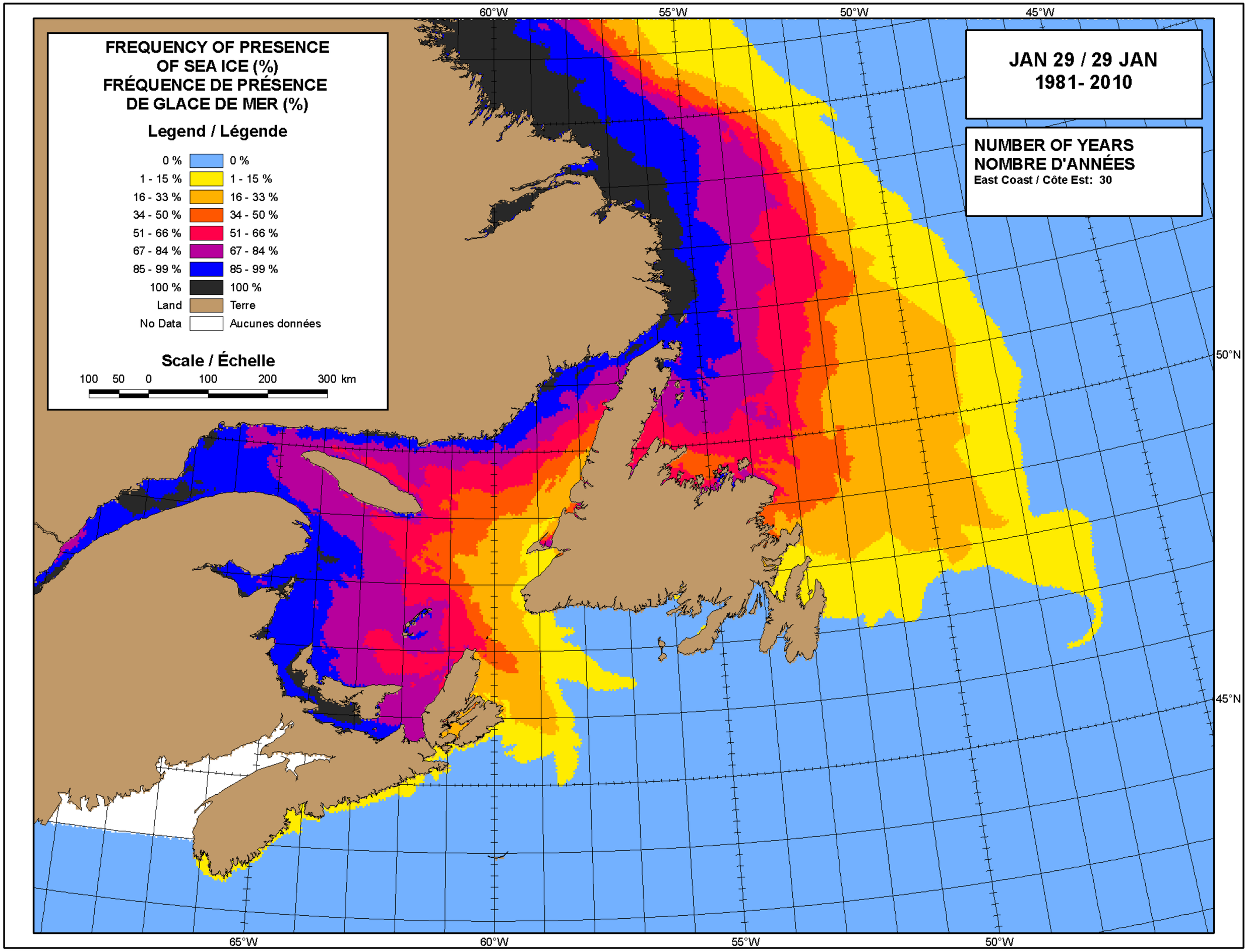
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 29 / 29 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
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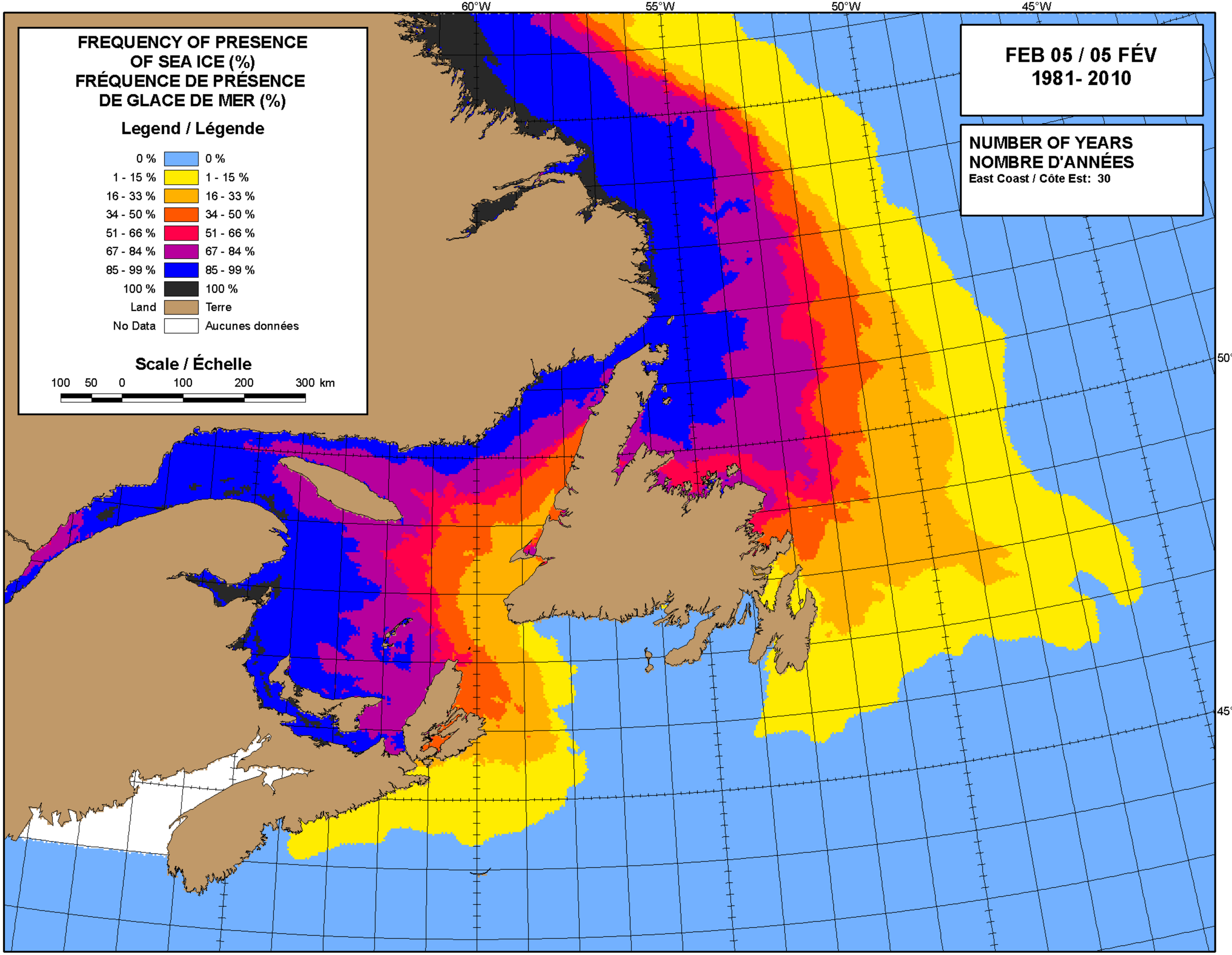
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 05 / 05 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
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45°W
50°N
45°N
65°W
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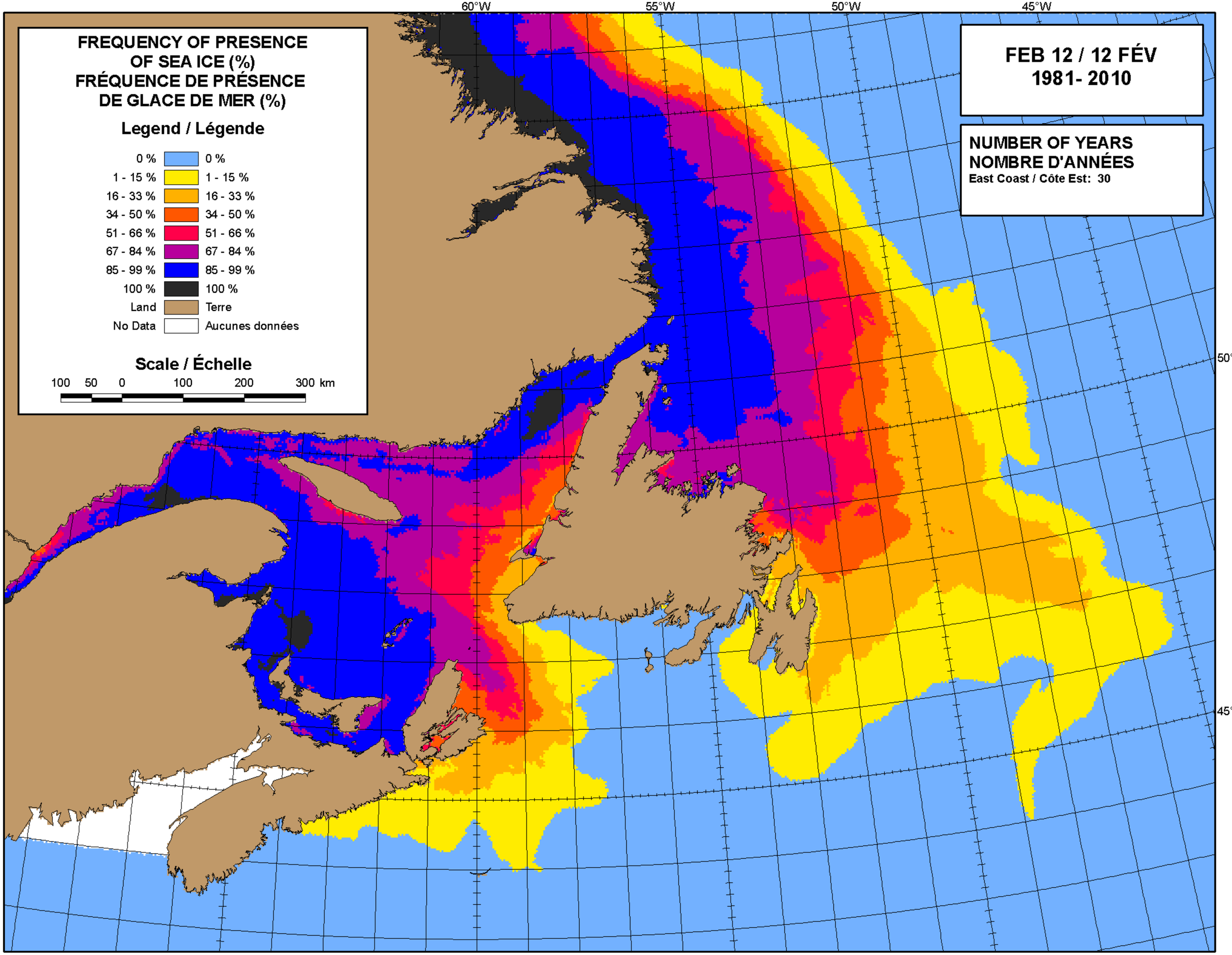
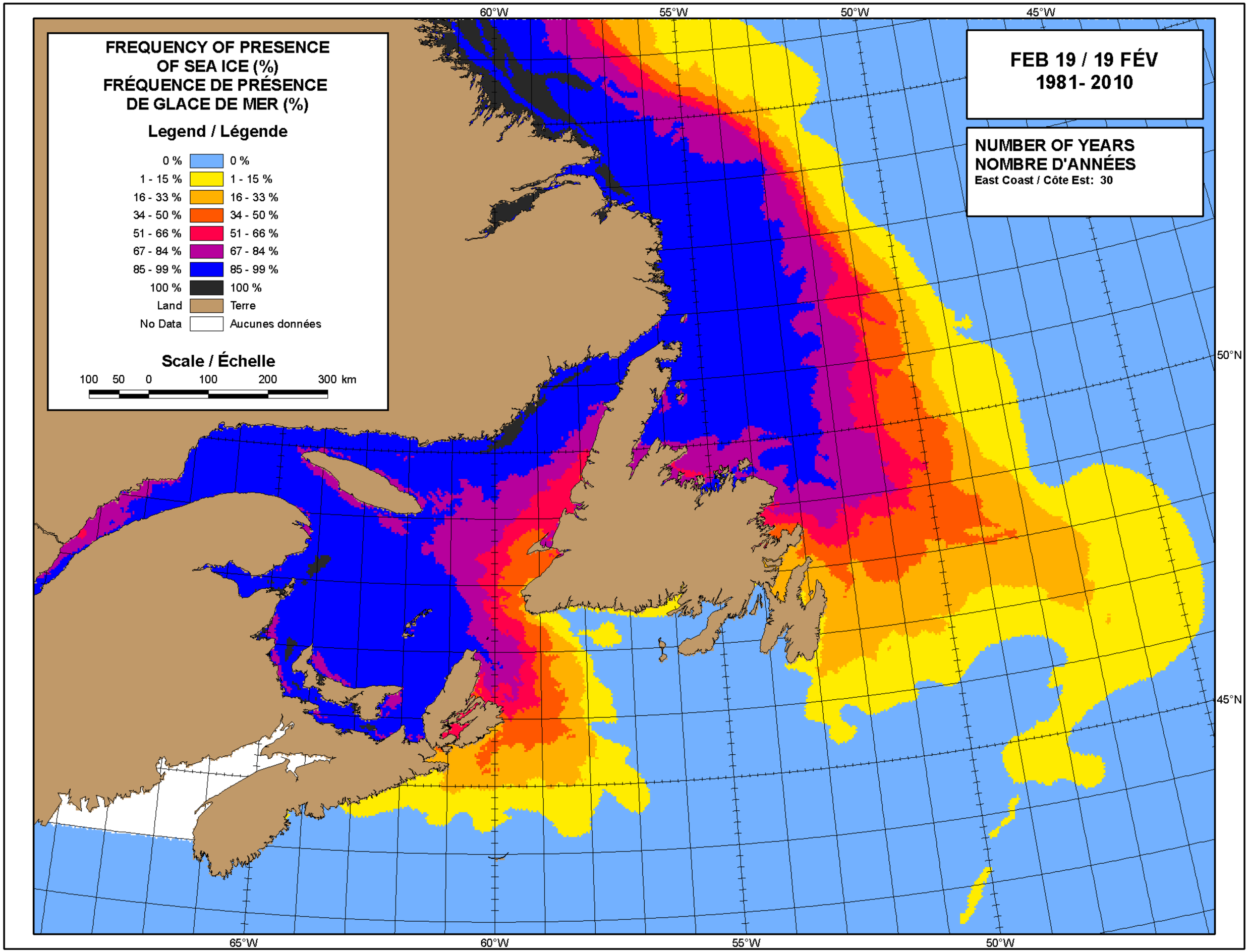

FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 12 / 12 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 19 / 19 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
50°W
45°W
50°N
45°N
65°W
60°W
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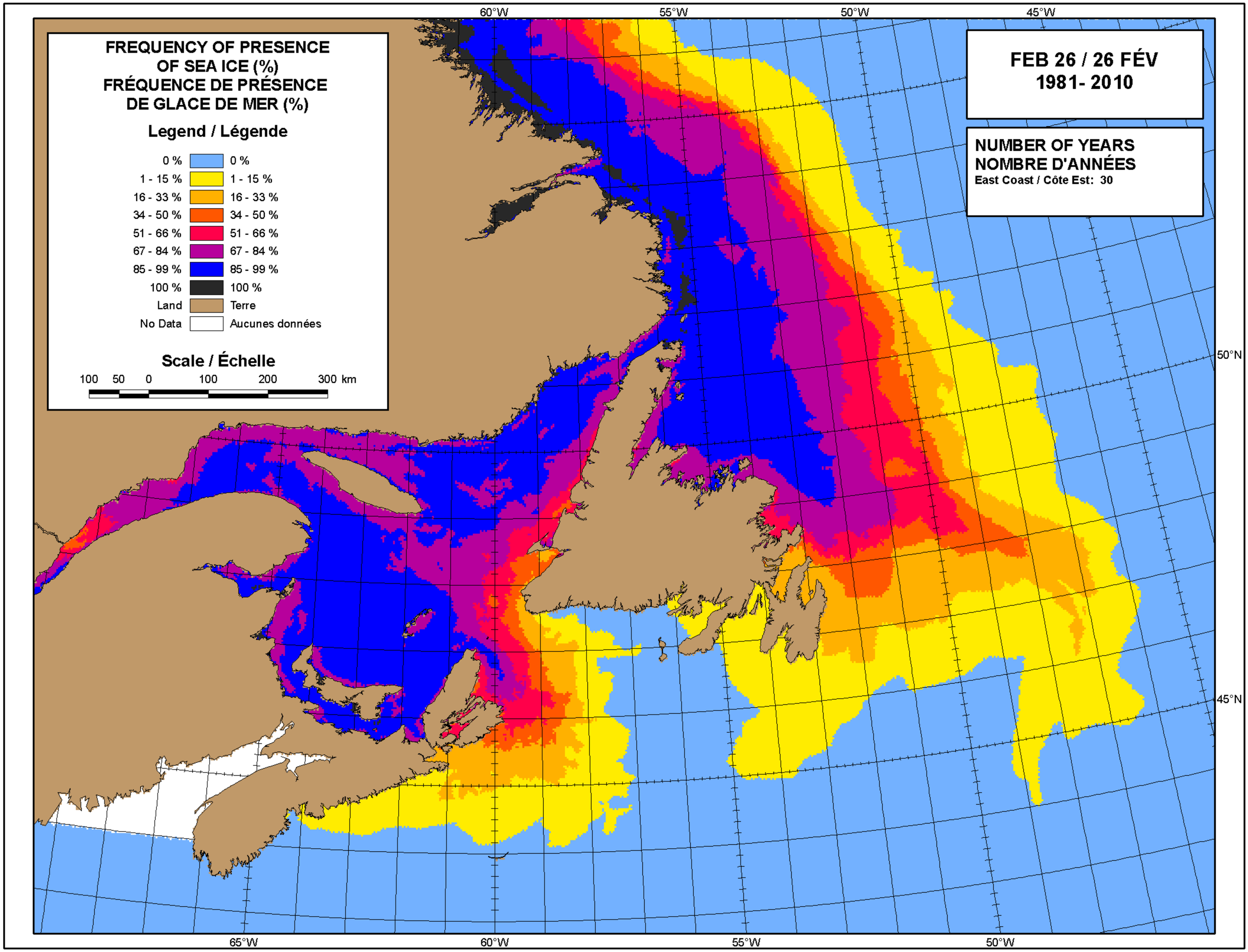
FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 26 / 26 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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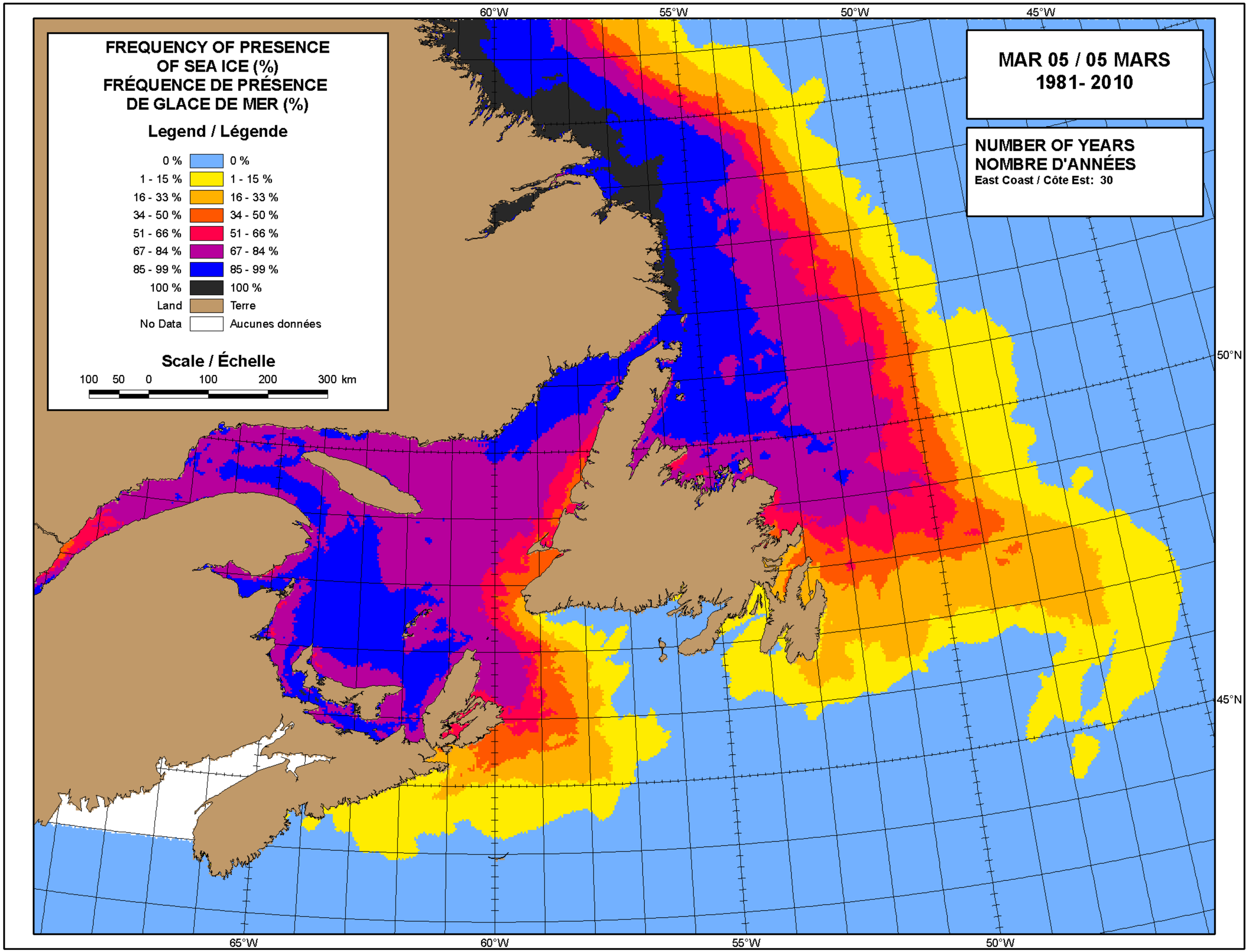
45°W
50°N
45°N
65°W
60°W
55°W
50°W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FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 05 / 05 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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50°W
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50°N
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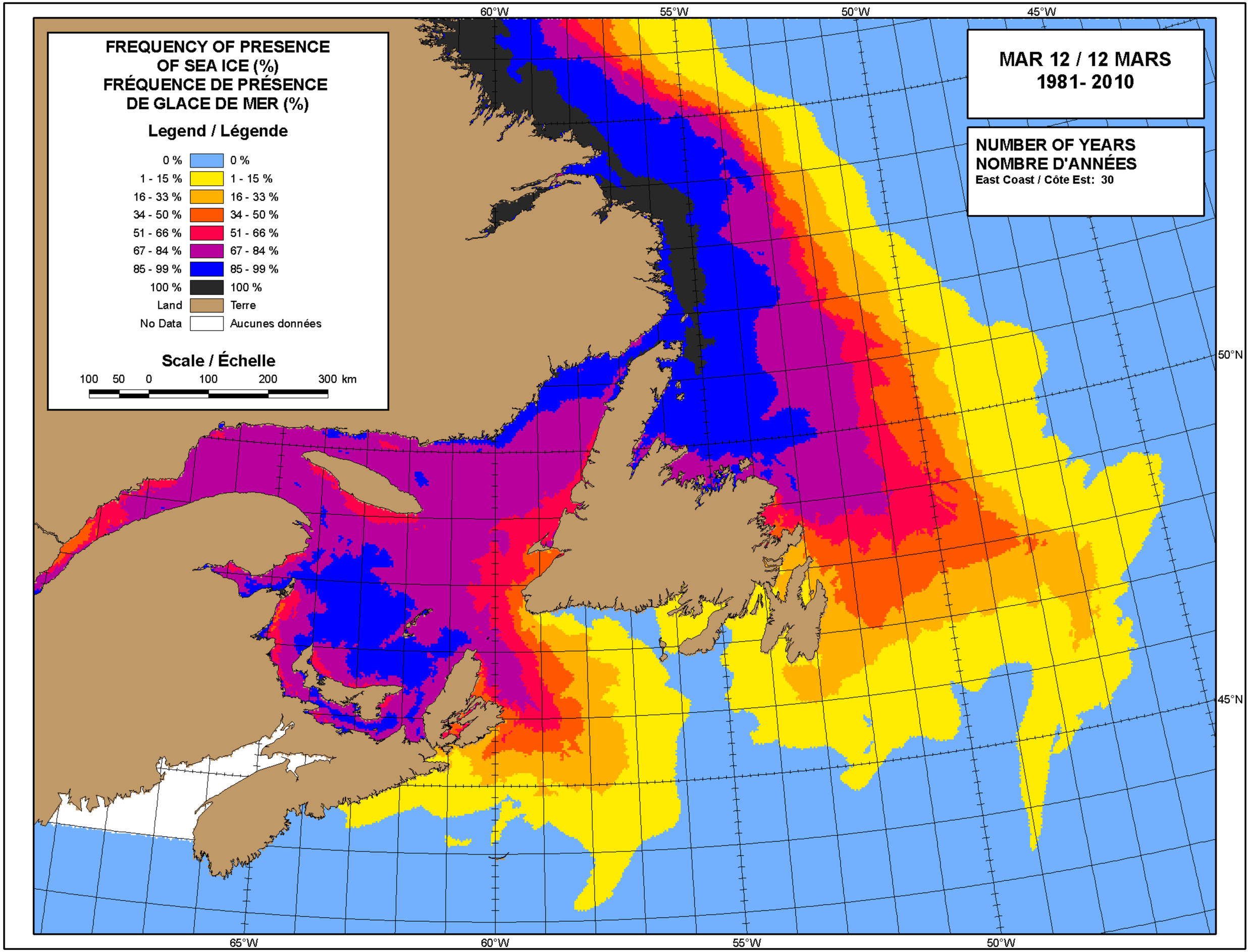
50°W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FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 12 / 12 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
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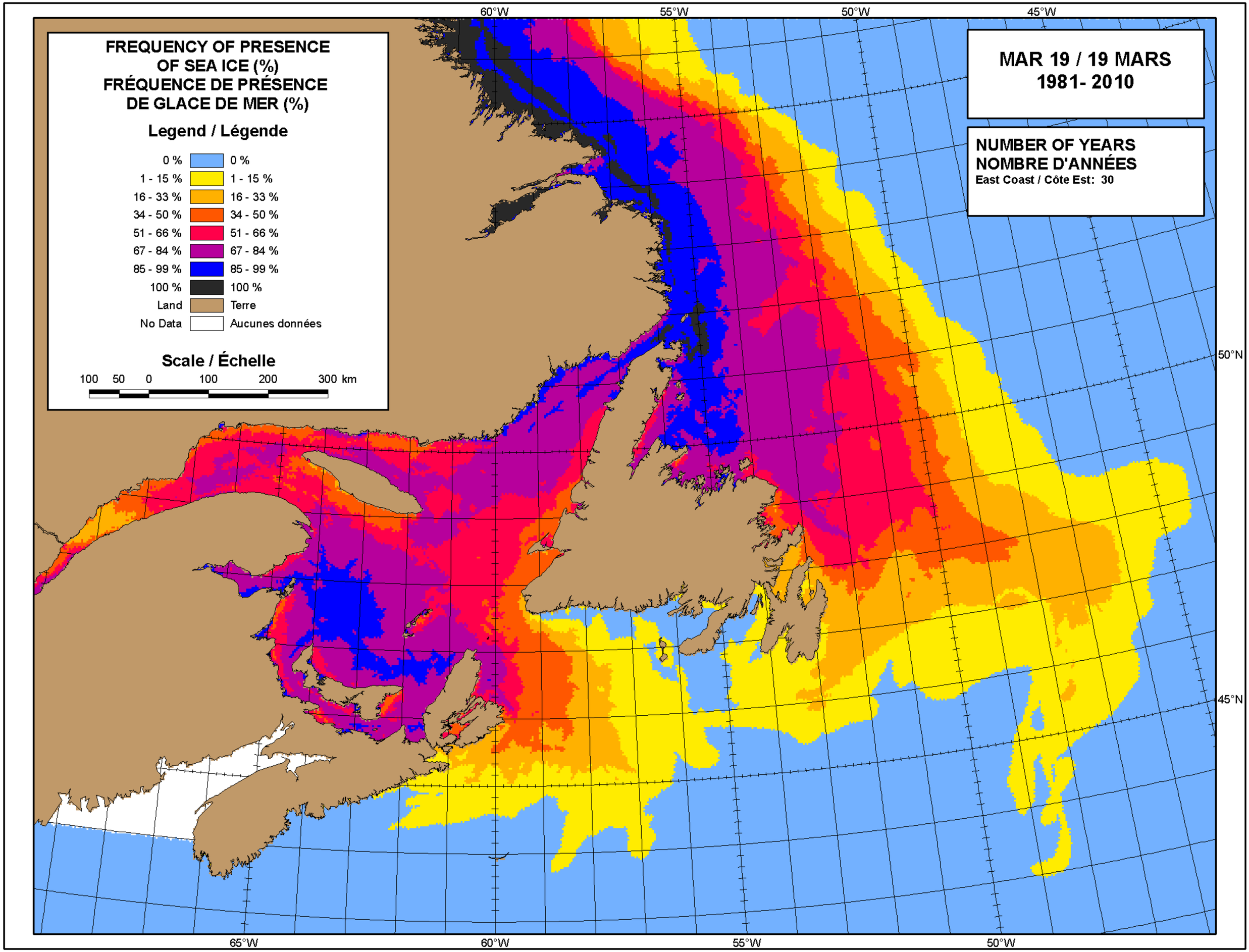
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 19 / 19 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
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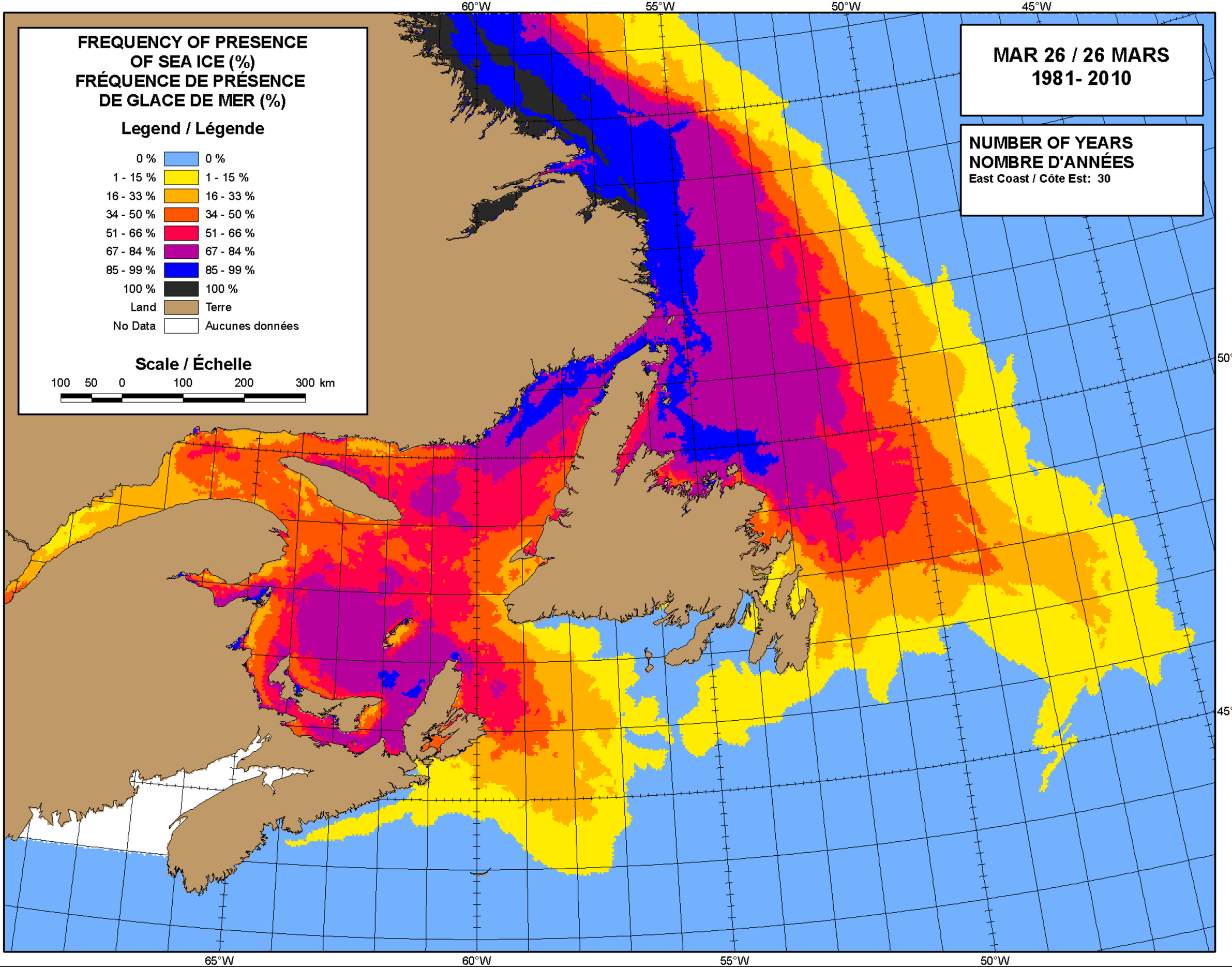
50°N
45°N
65°W
60°W
55°W
50°W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FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 26 / 26 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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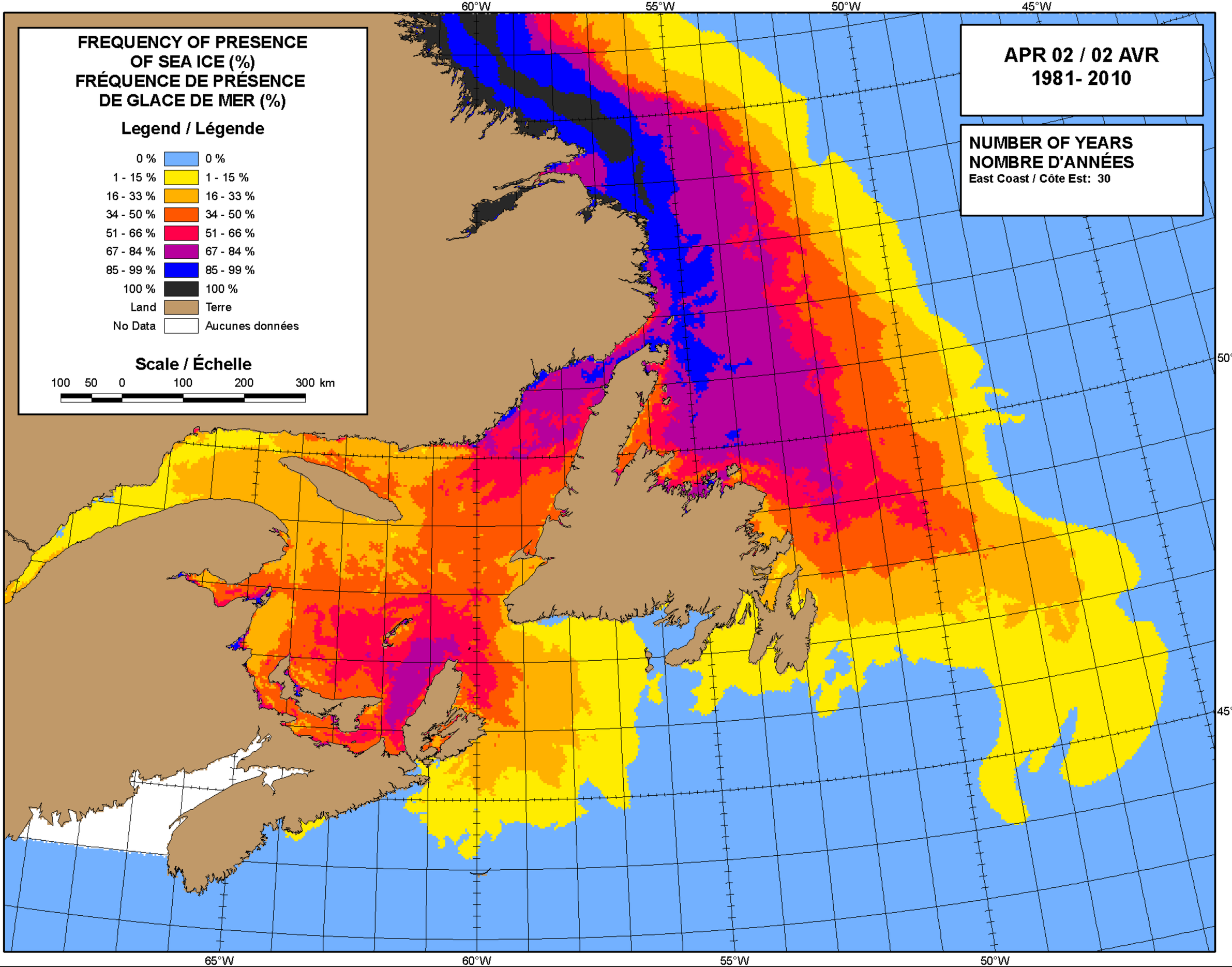
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W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FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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1 - 15 % 1 - 15 %
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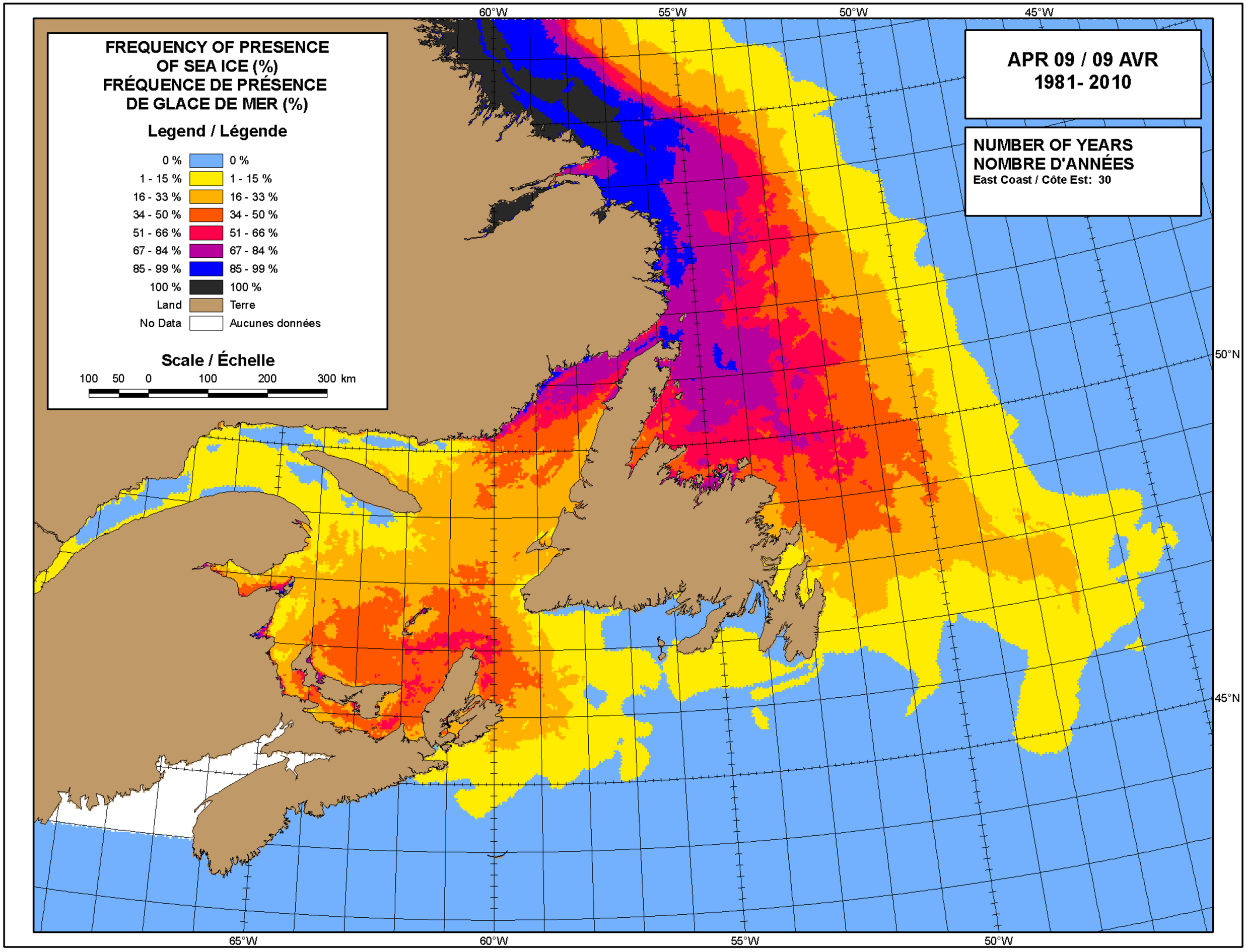
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 02 / 02 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 09 / 09 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
50°W
45°W
50°N
45°N
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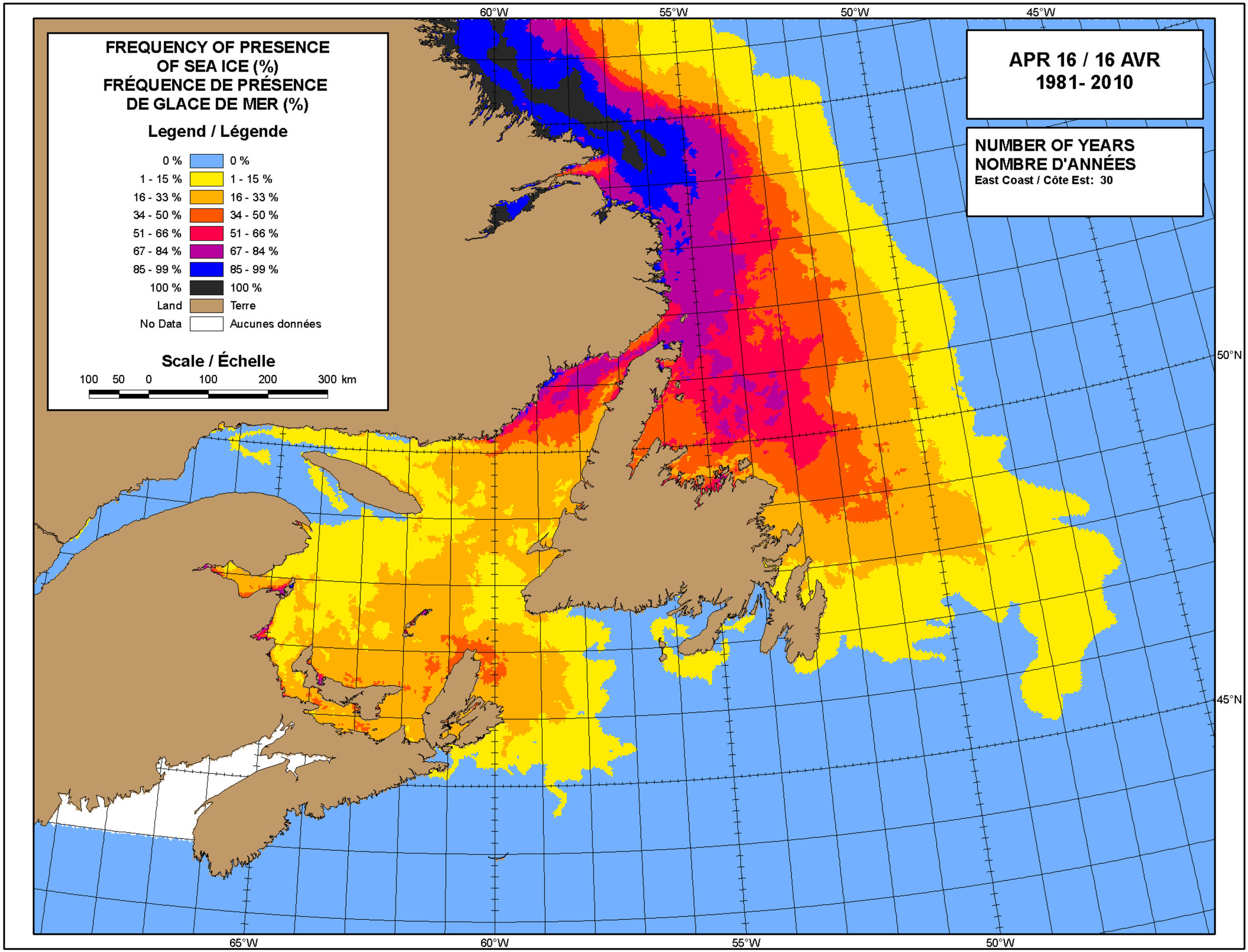
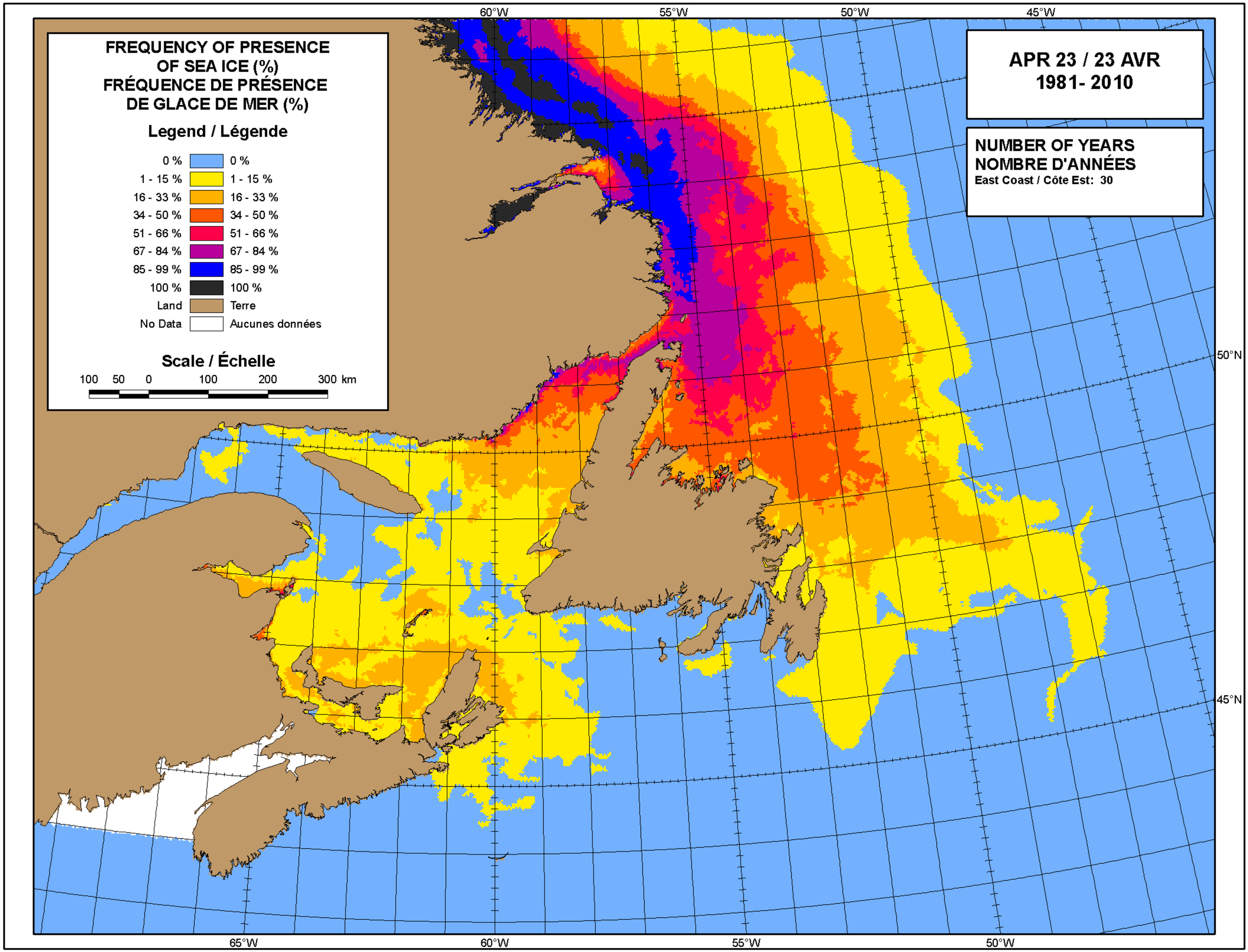

FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 16 / 16 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 23 / 23 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
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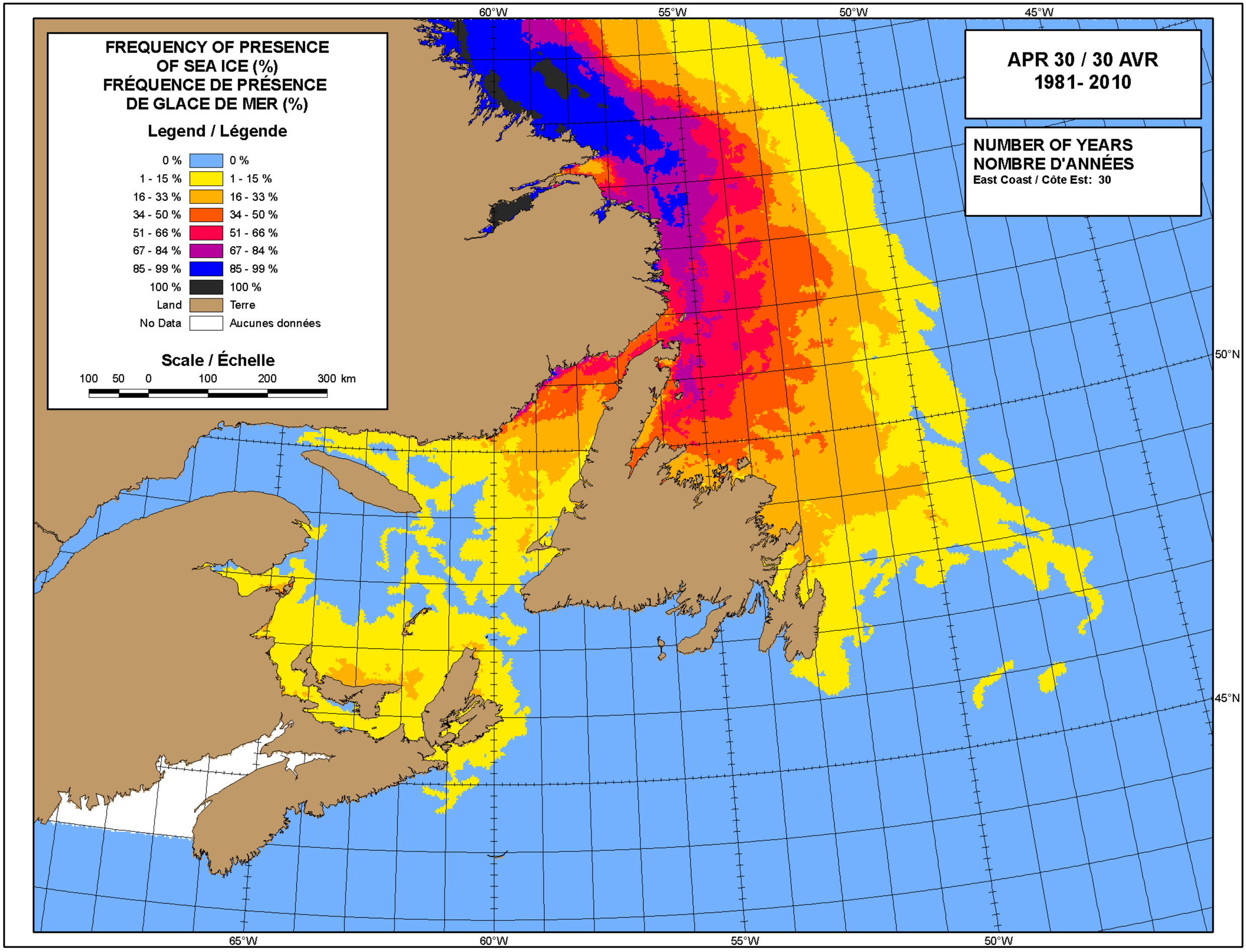
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 30 / 30 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
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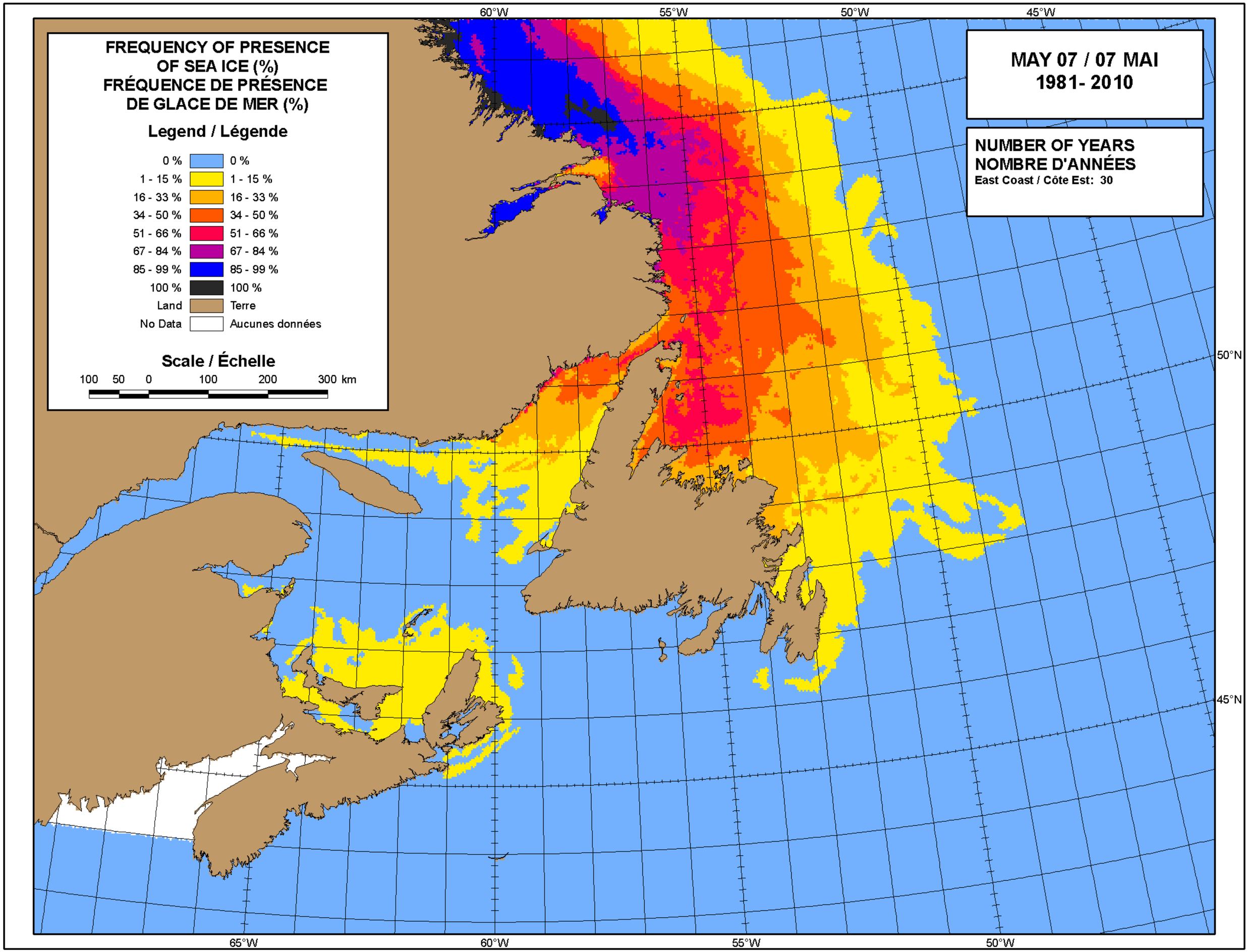
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 07 / 07 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
50°W
45°W
50°N
45°N
65°W
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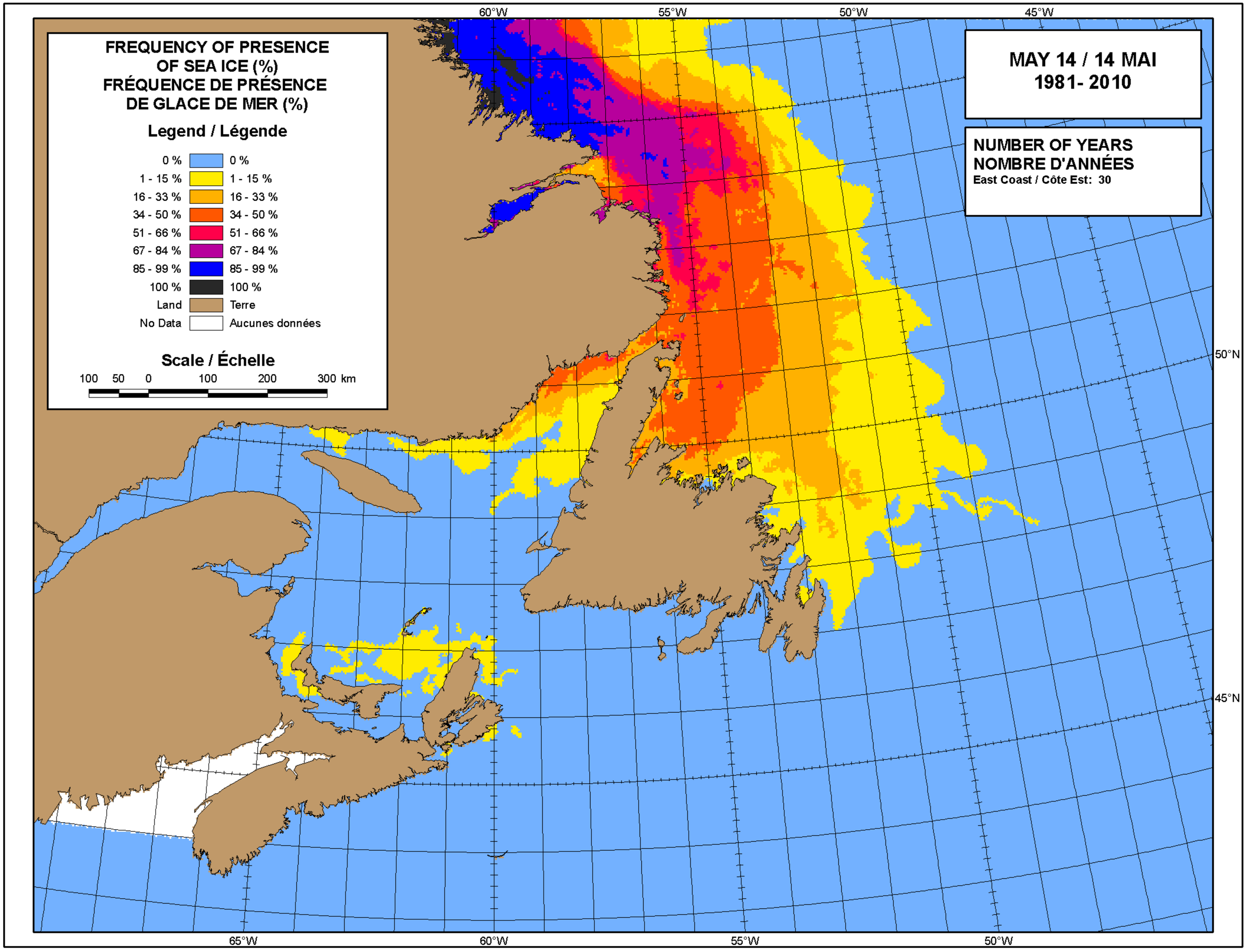
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 14 / 14 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
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55°W
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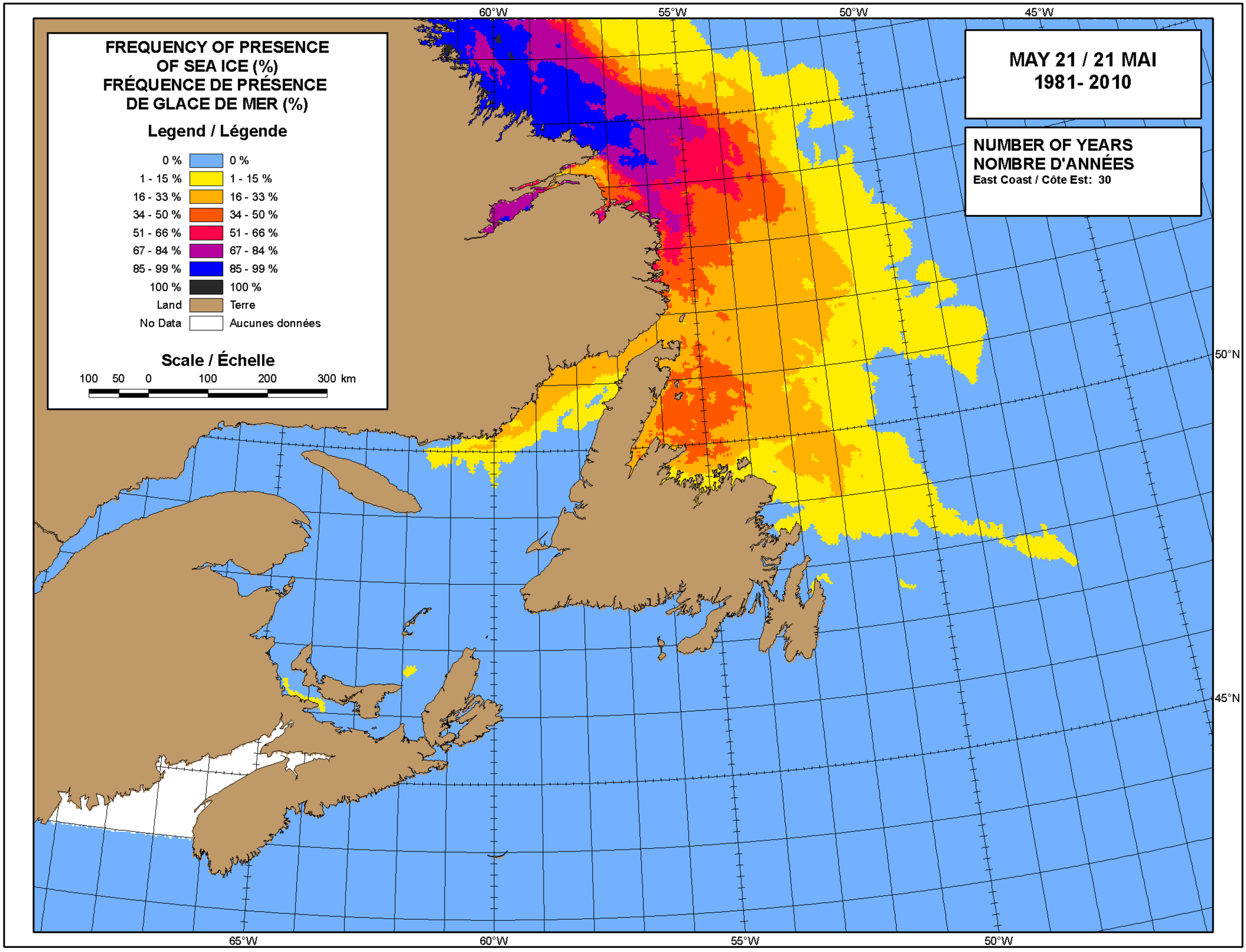
FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 21 / 21 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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45°W
50°N
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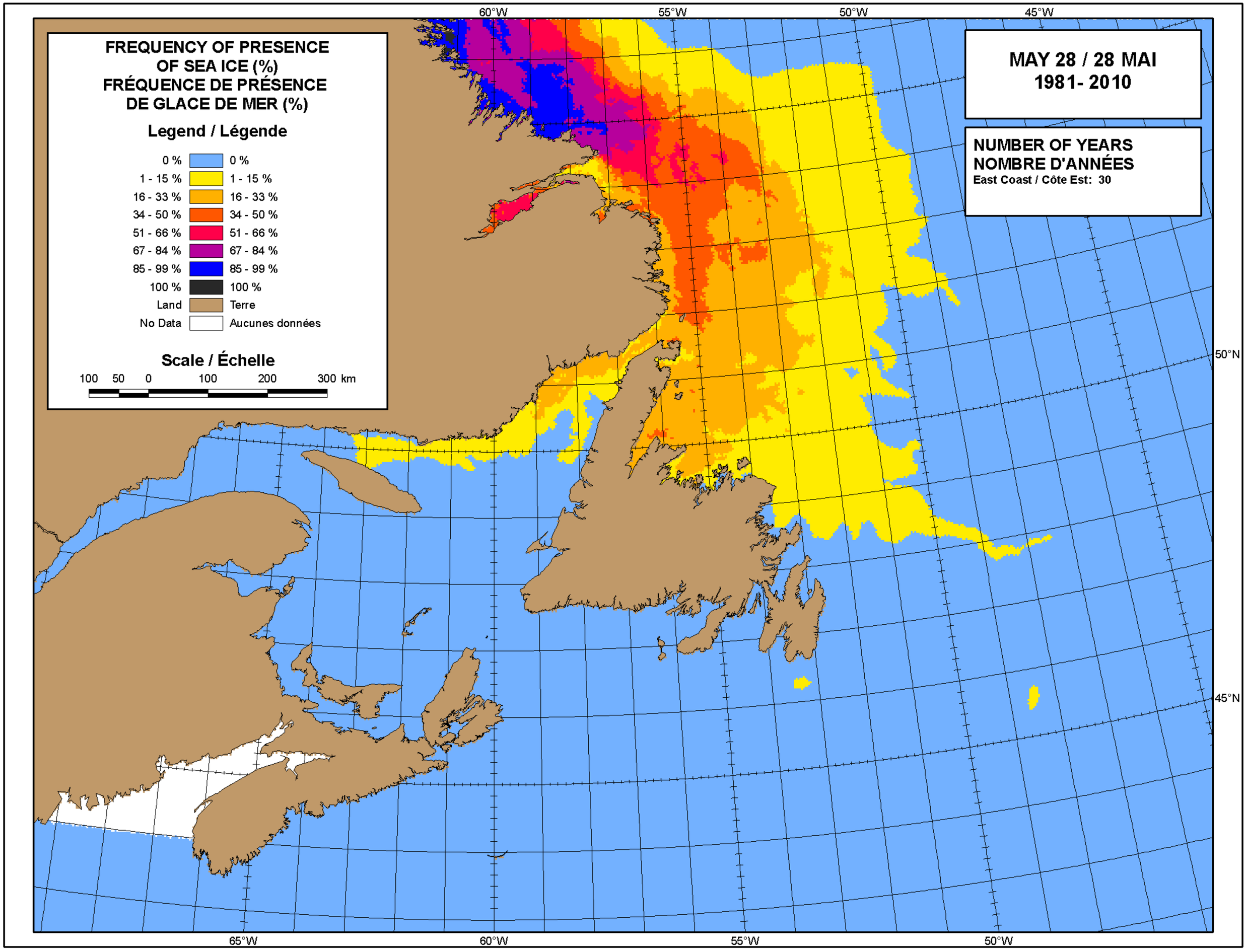
FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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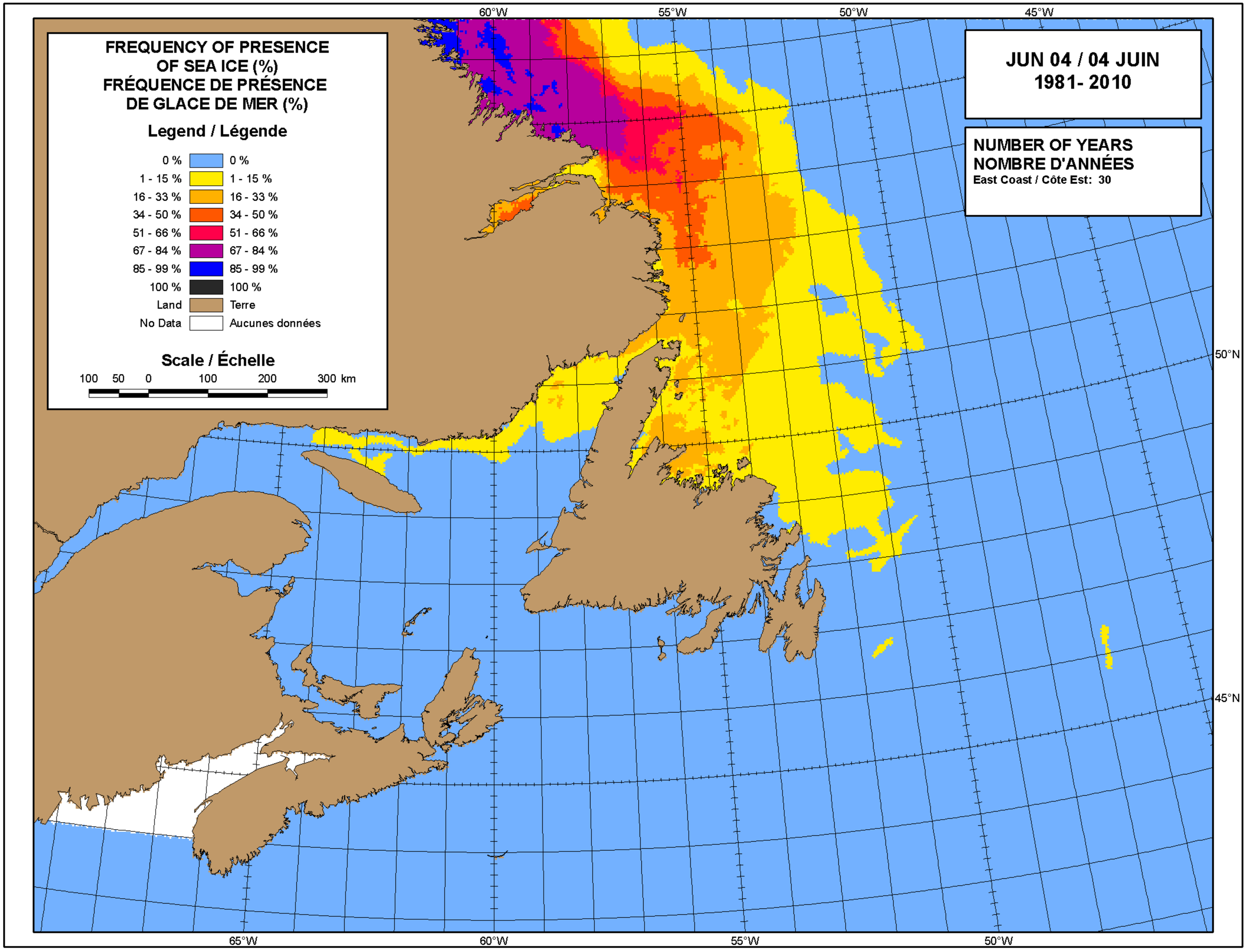
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 28 / 28 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 04 / 04 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
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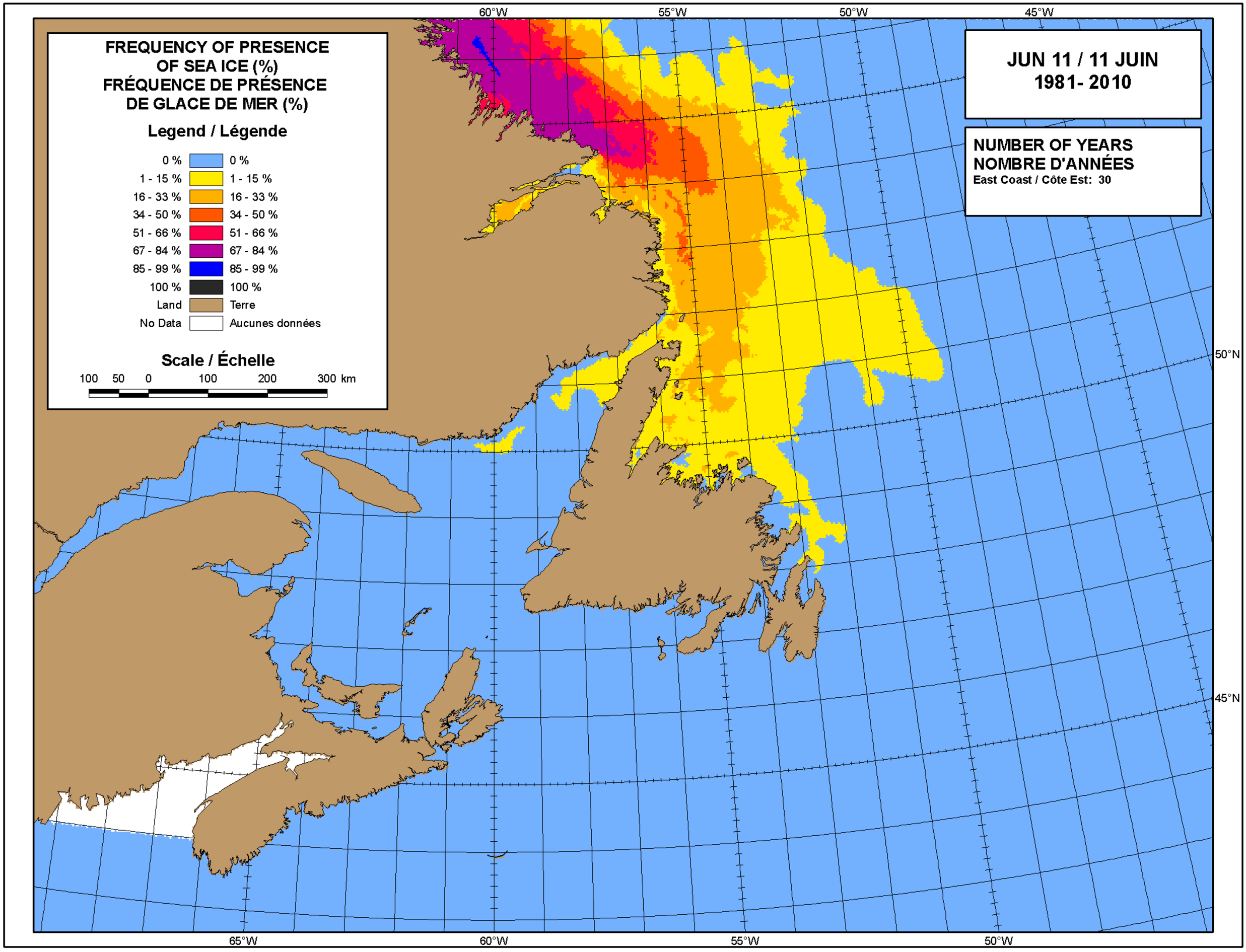
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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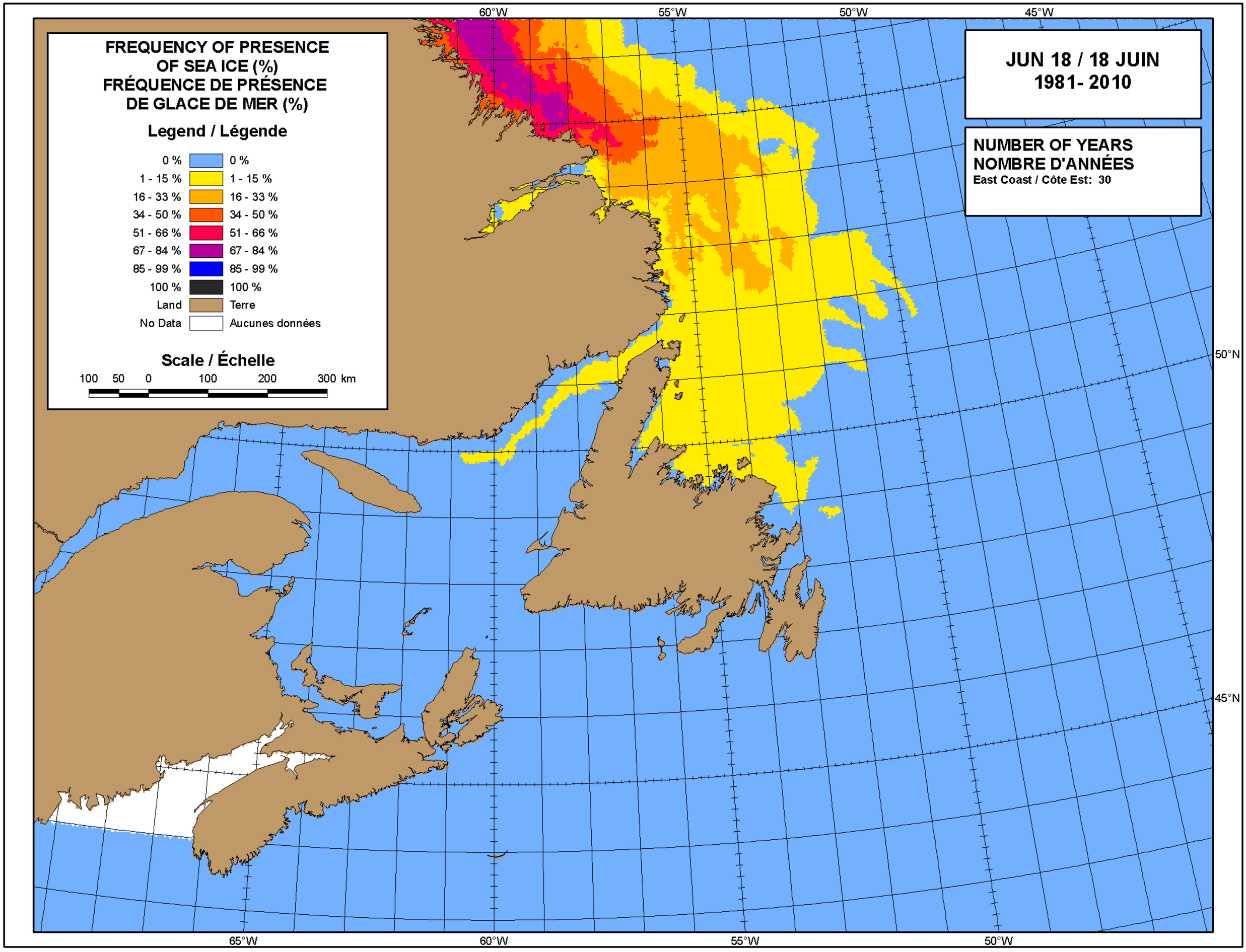
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 11 / 11 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 18 / 18 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
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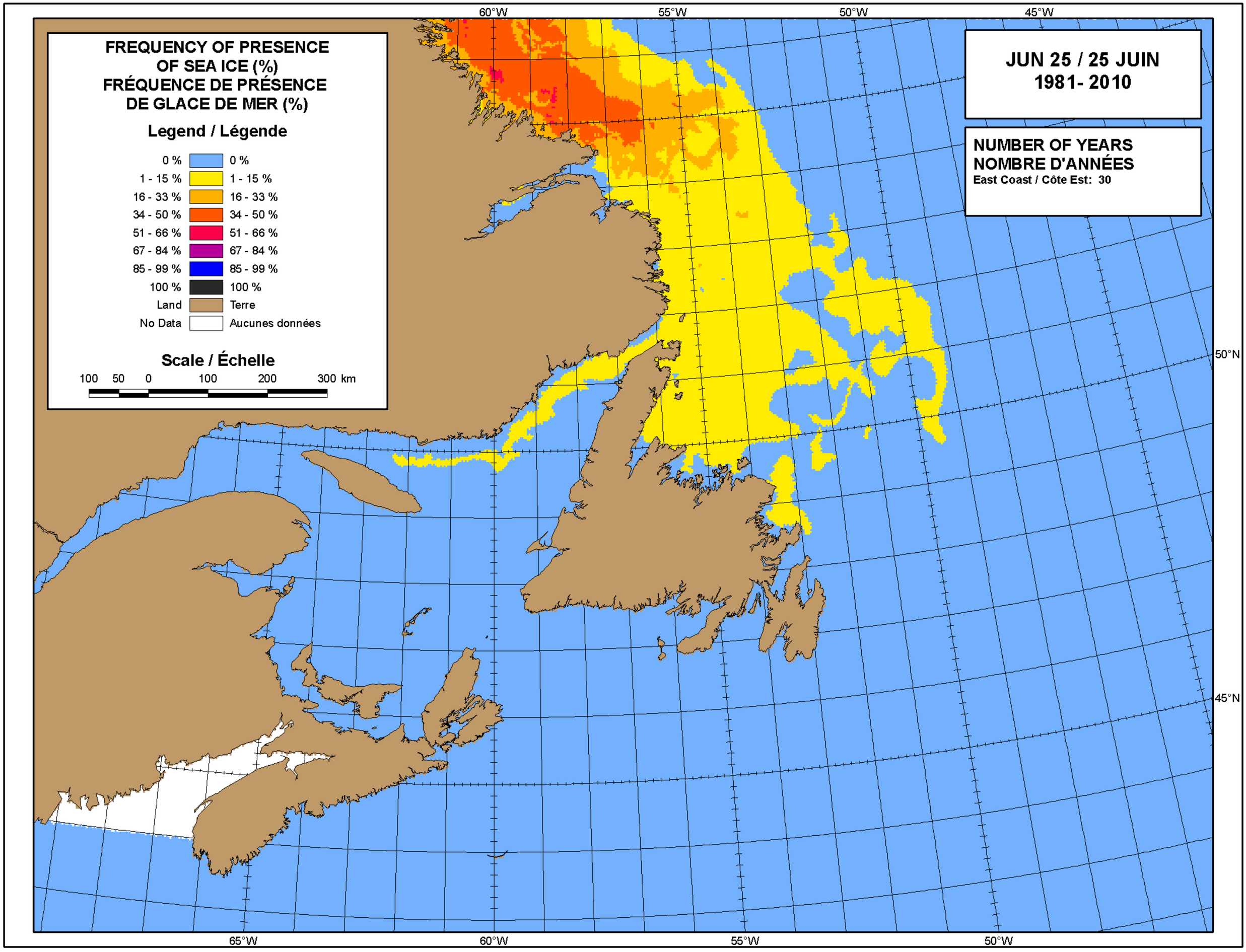
FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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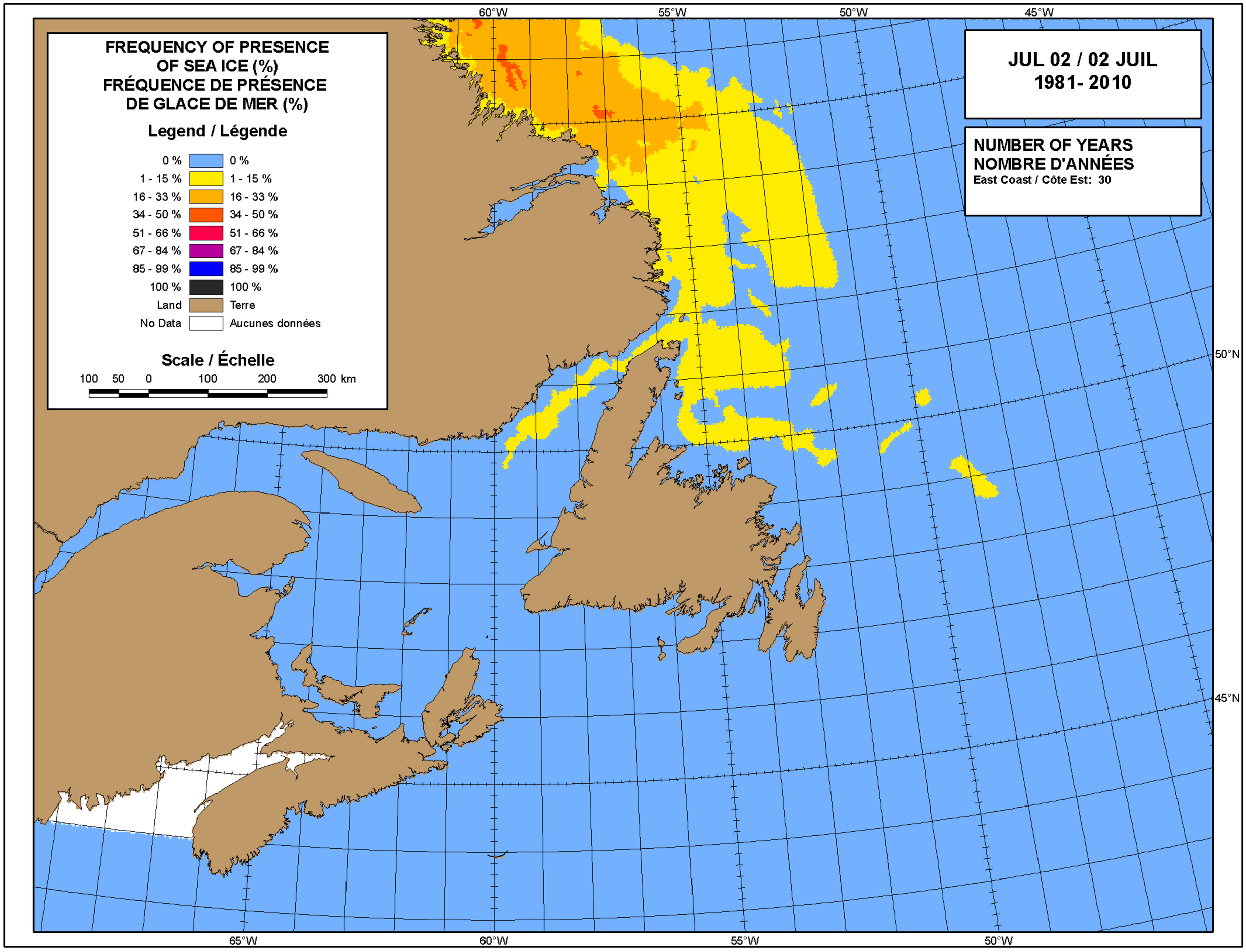
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 25 / 25 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 02 / 02 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
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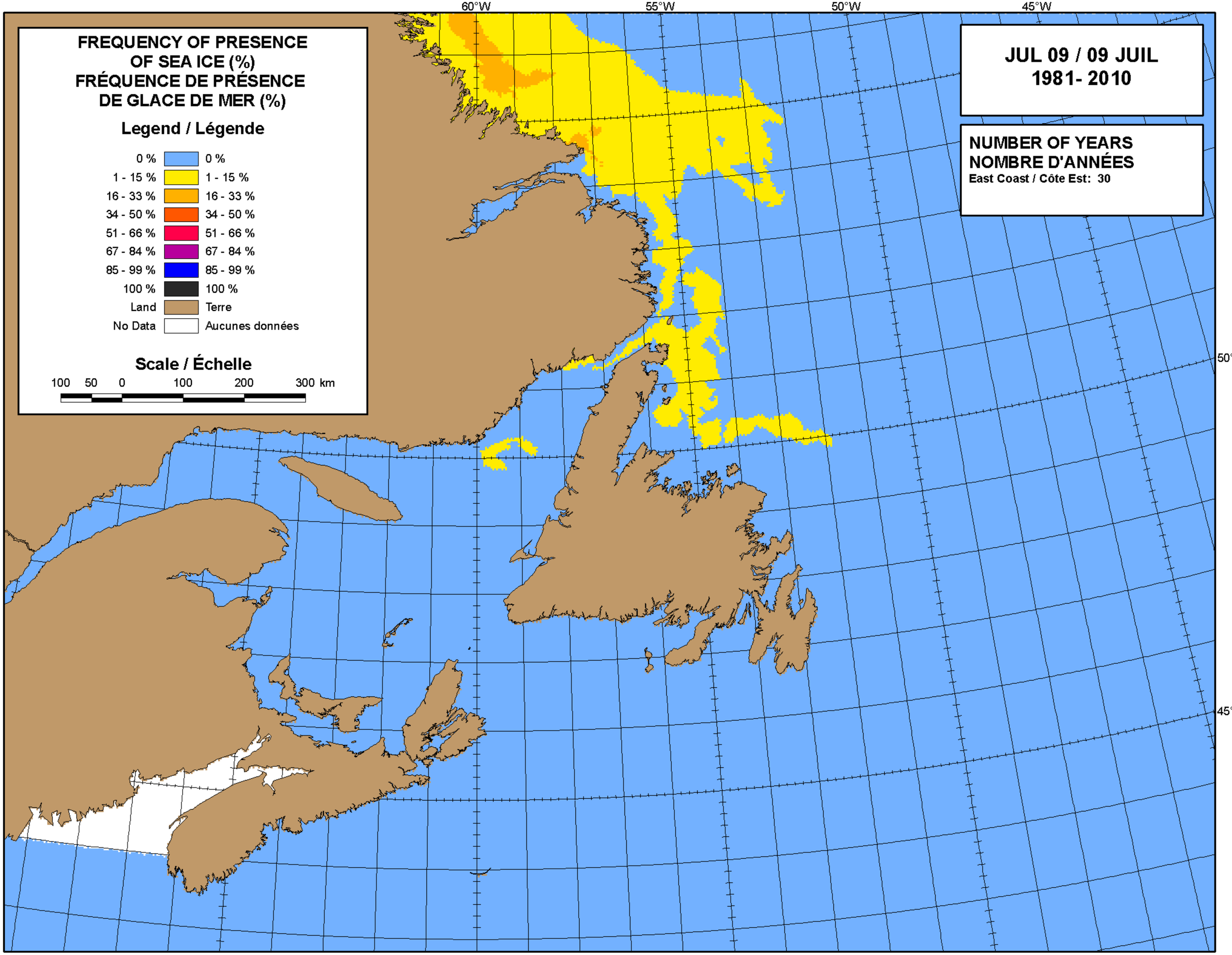
FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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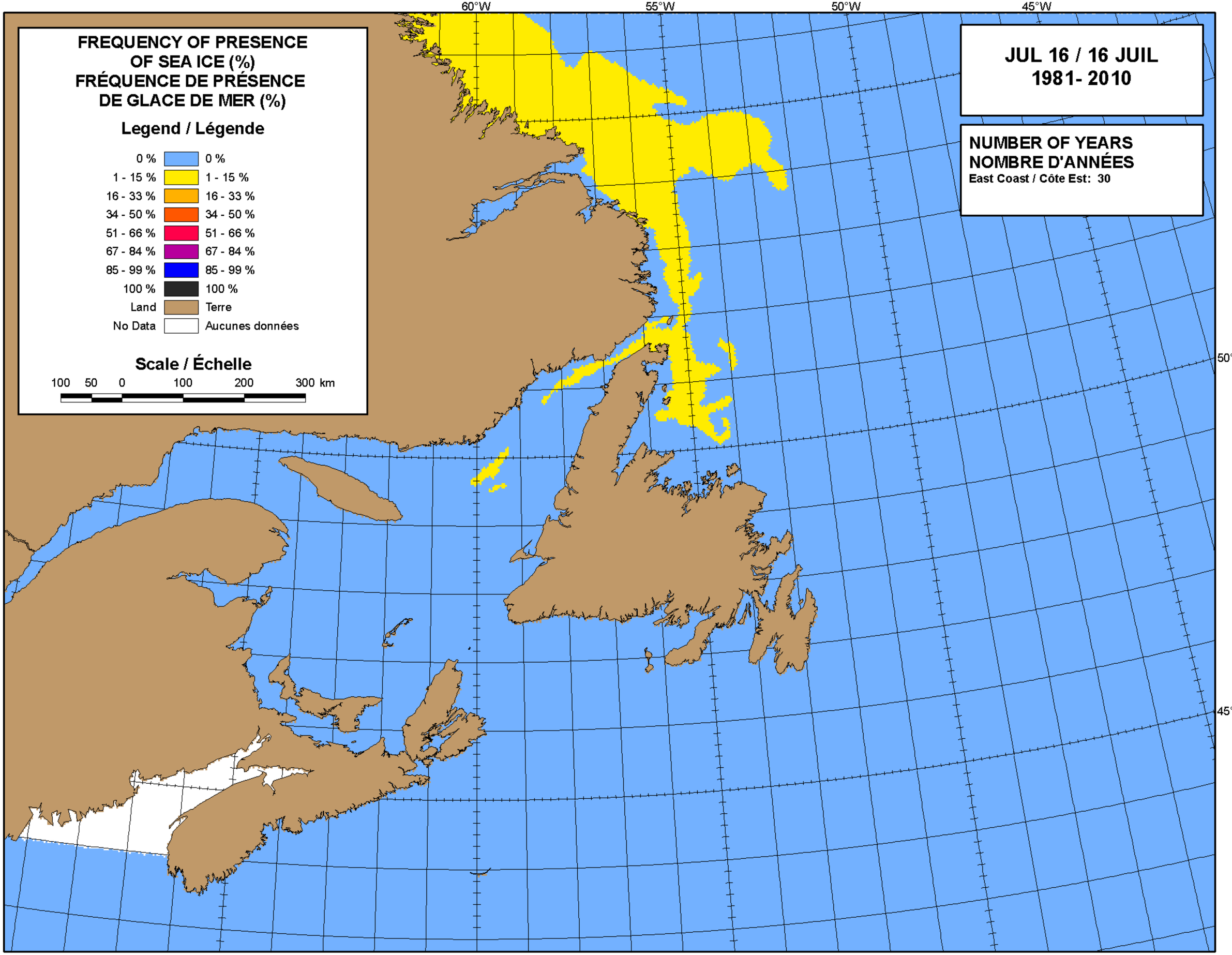
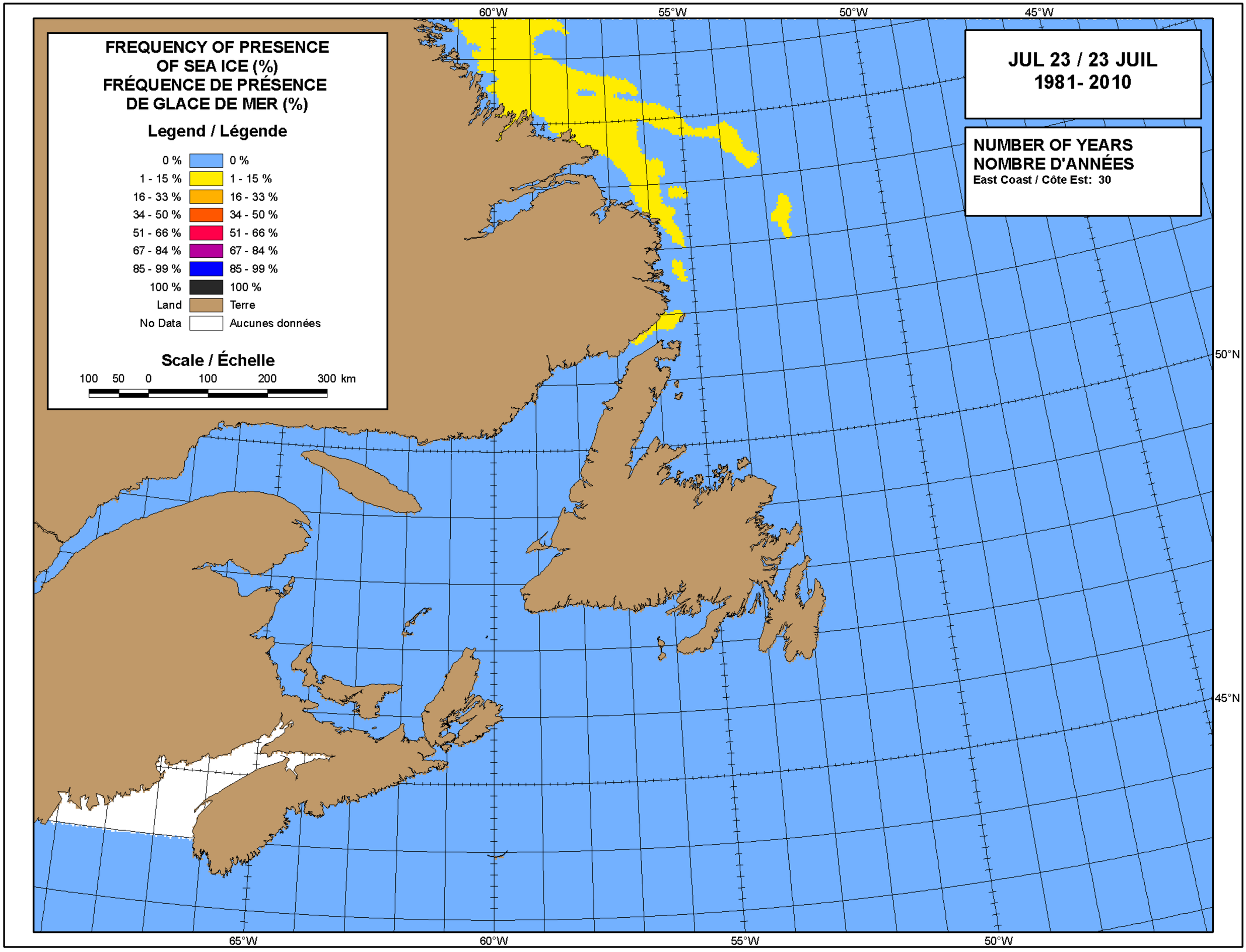
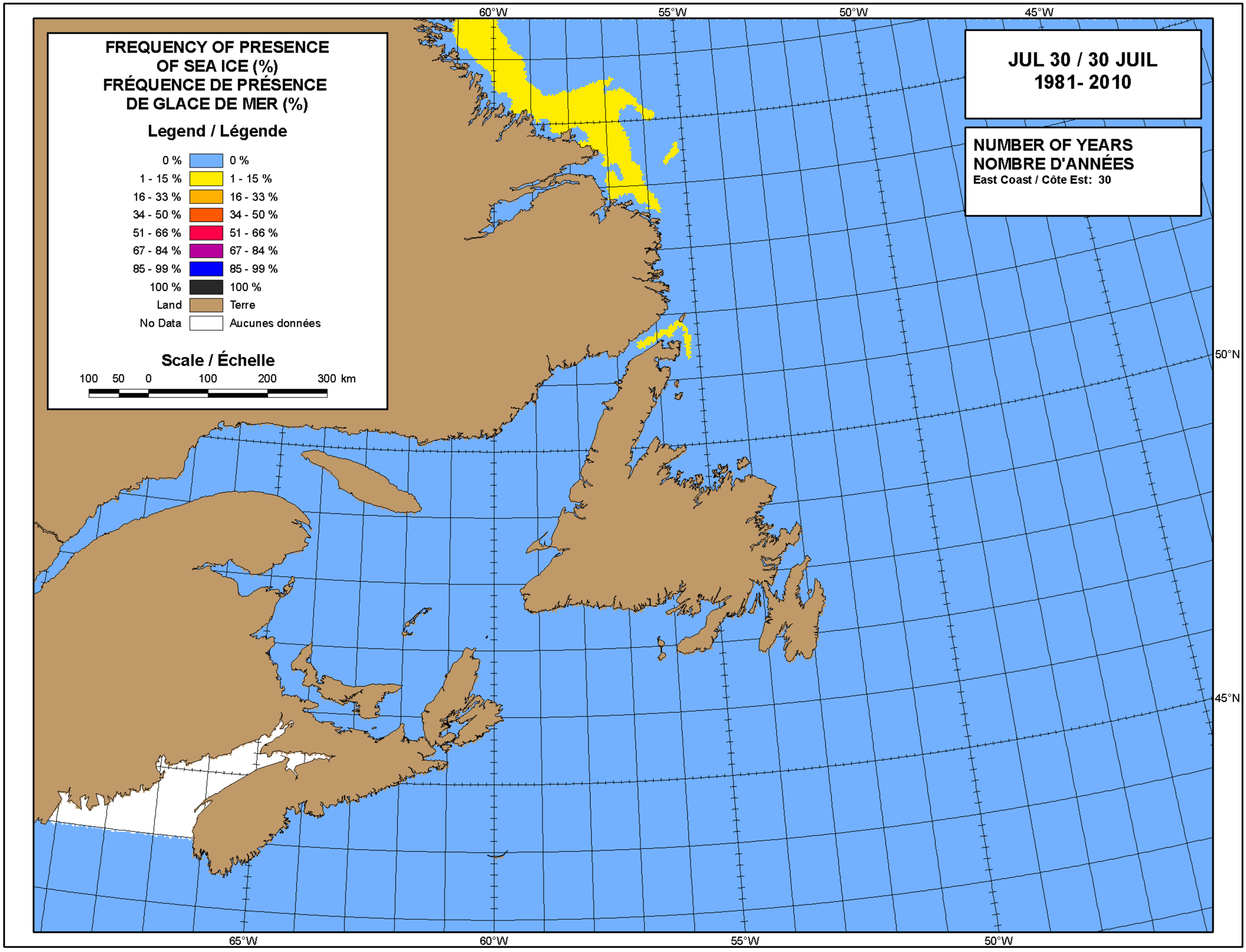
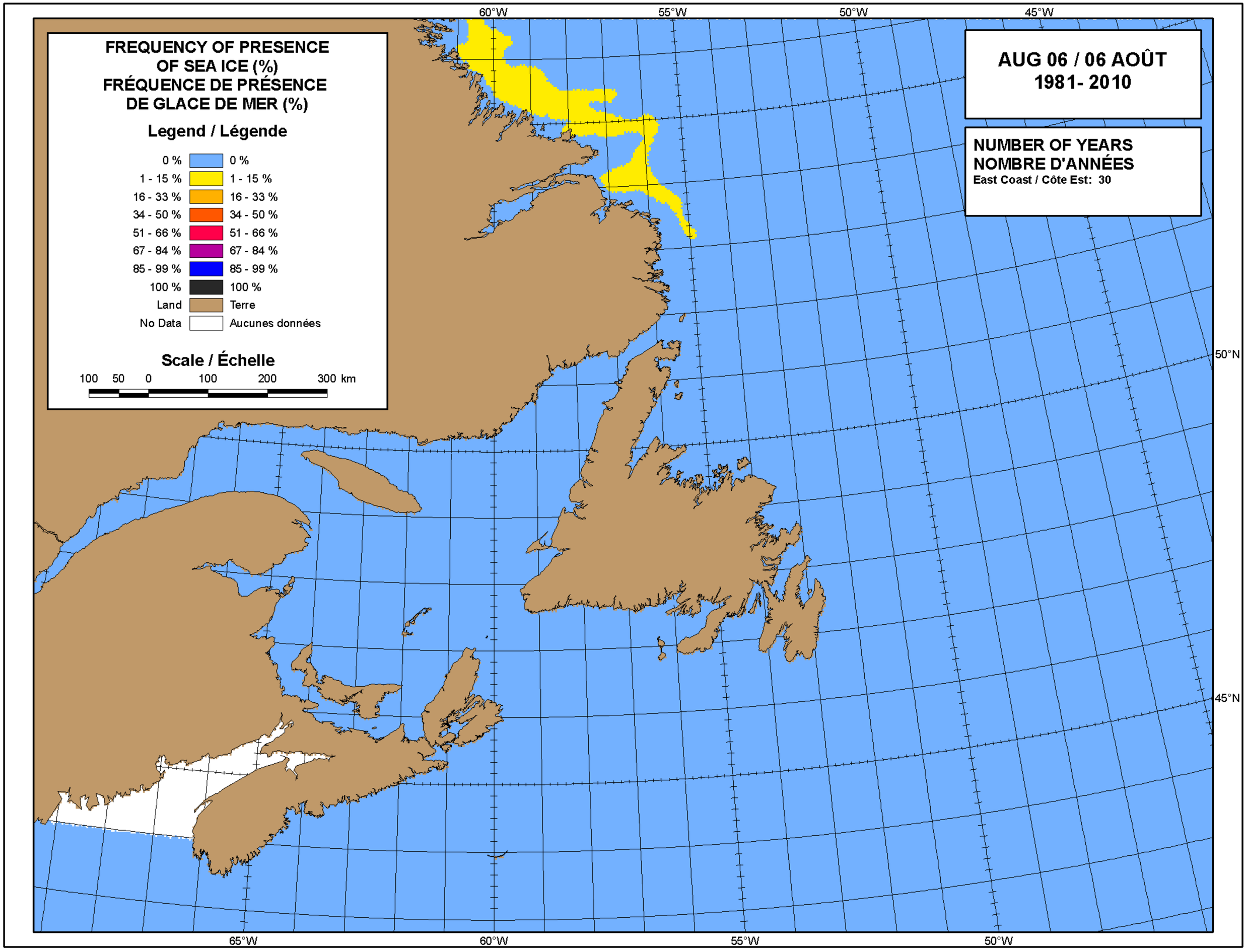
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 09 / 09 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 16 / 16 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE
DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 23 / 23 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 30 / 30 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
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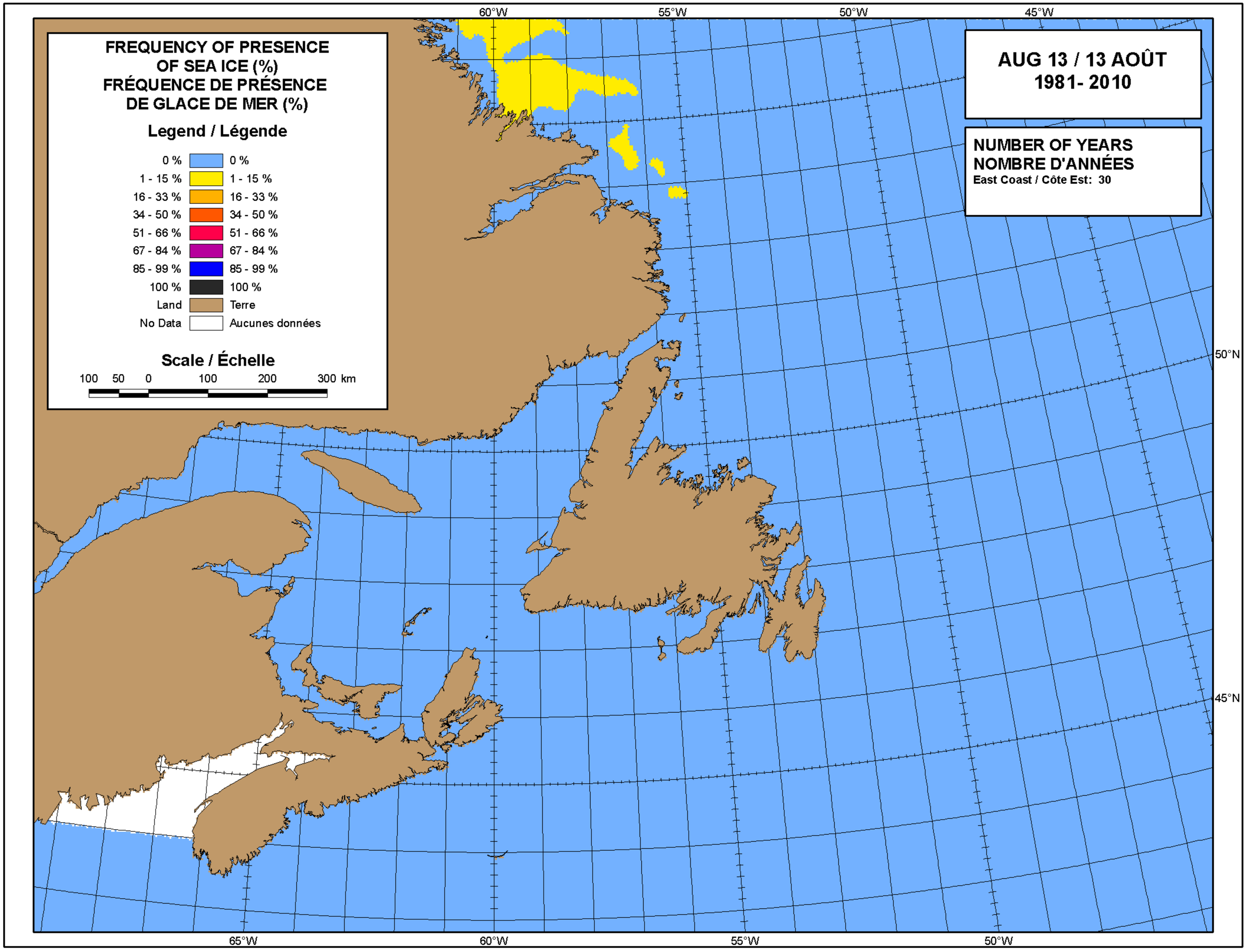
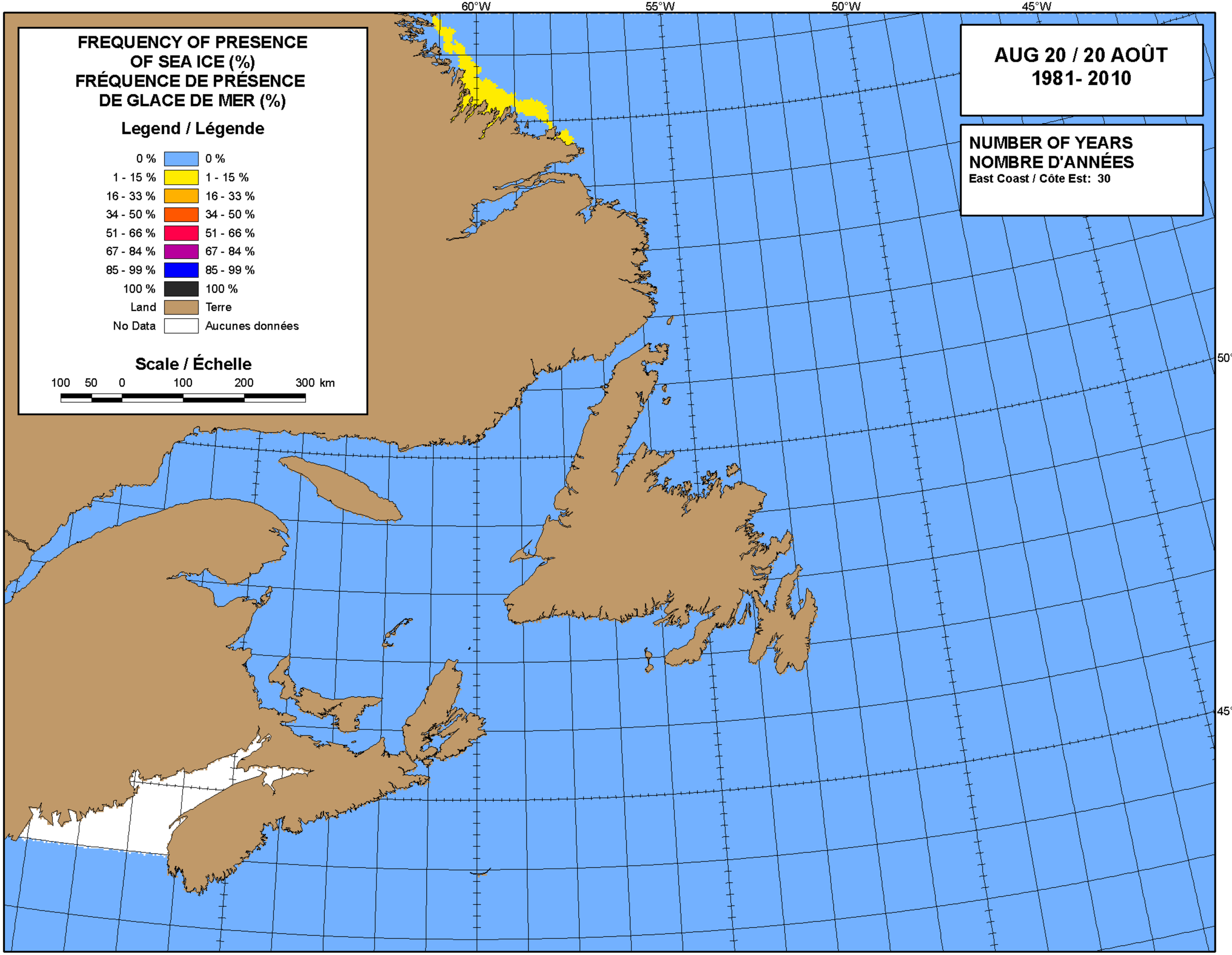
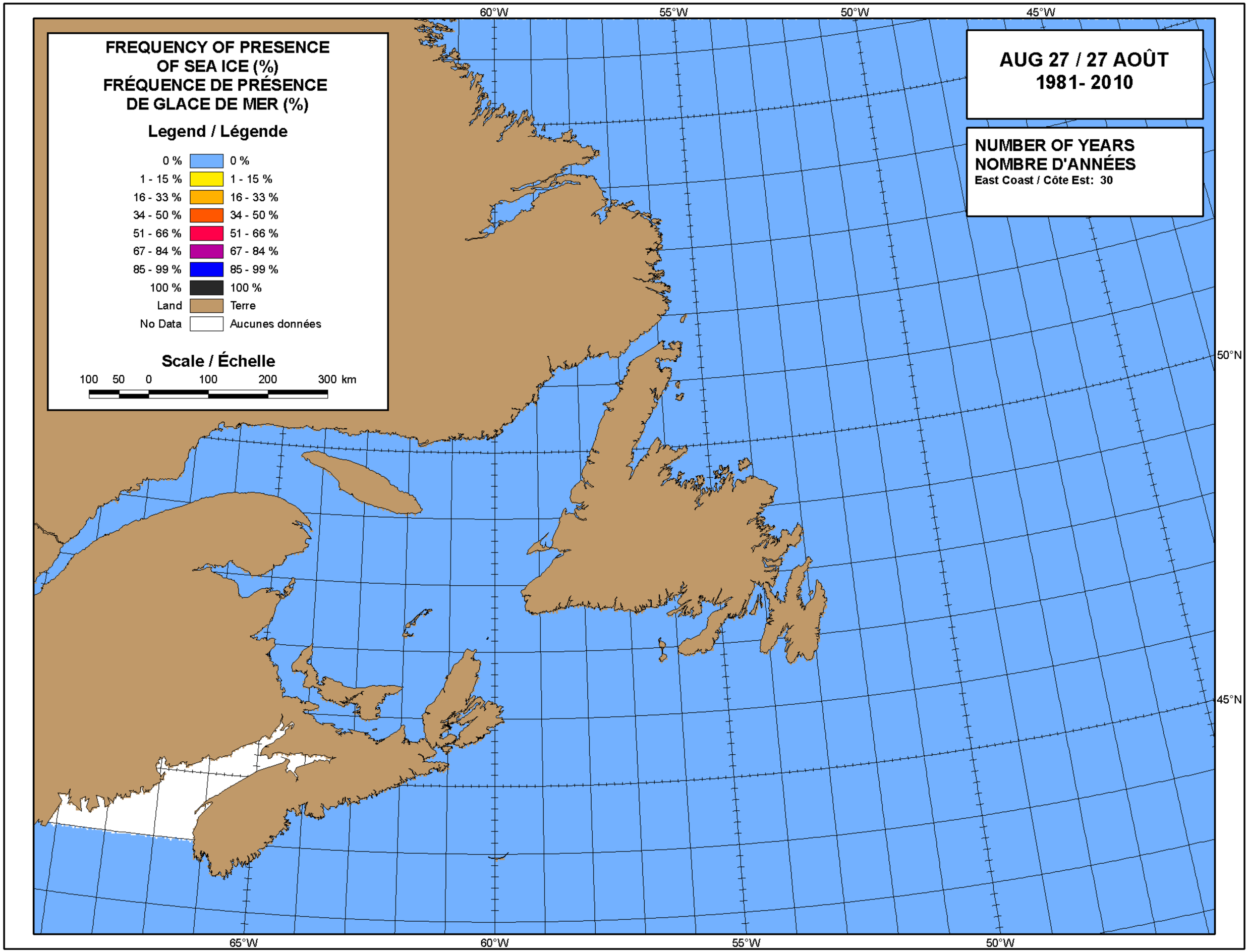
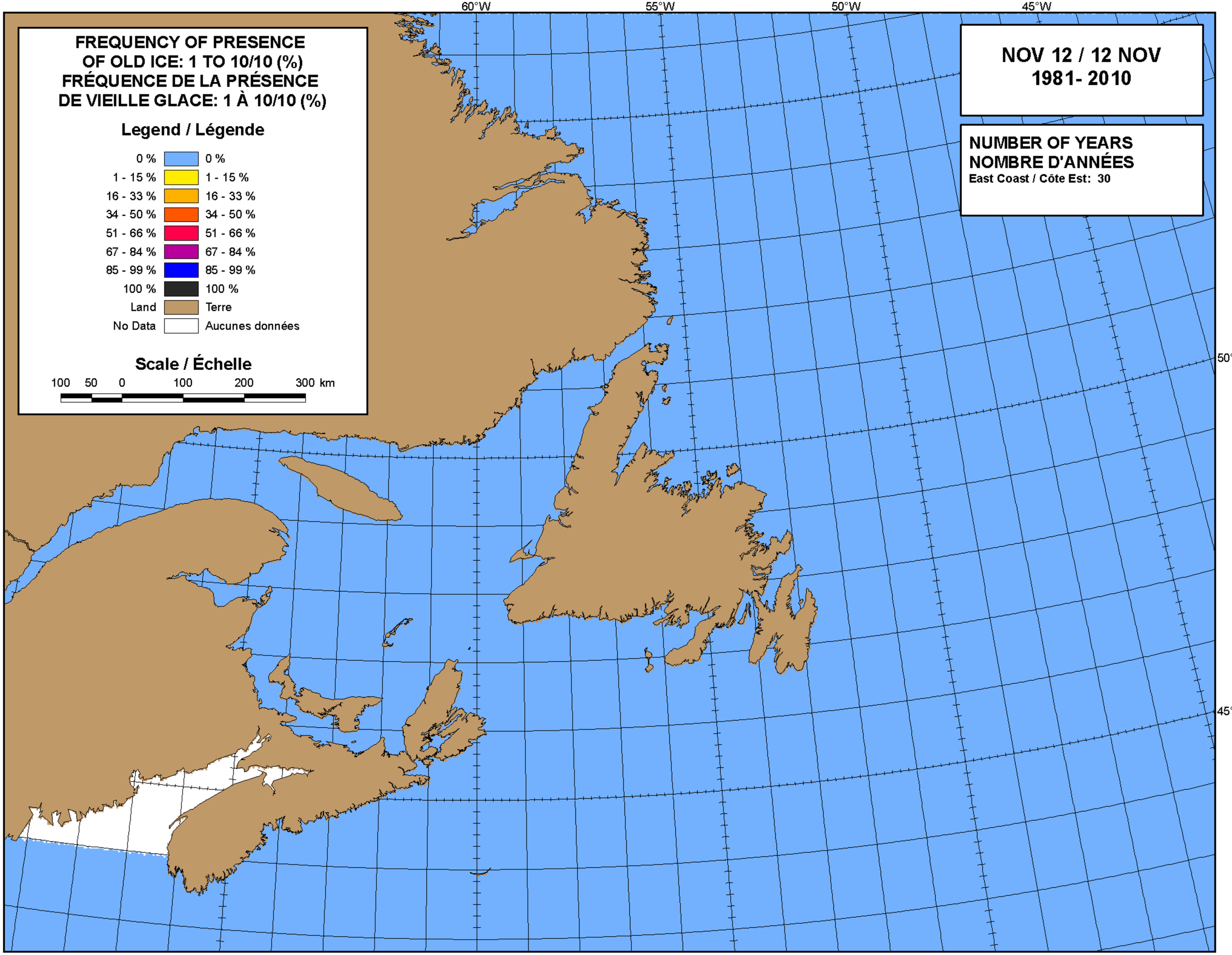
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 06 / 06 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

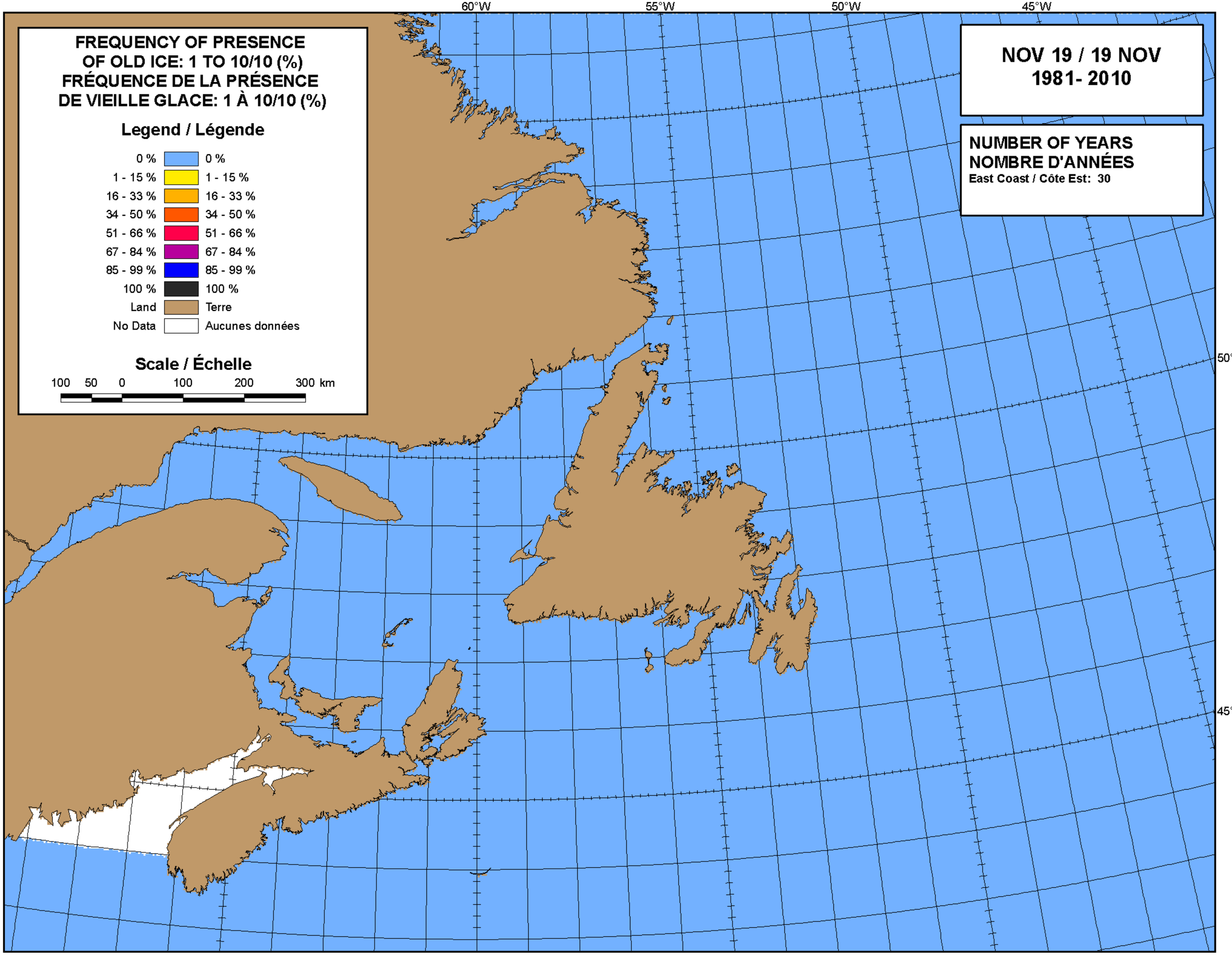

FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 13 / 13 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

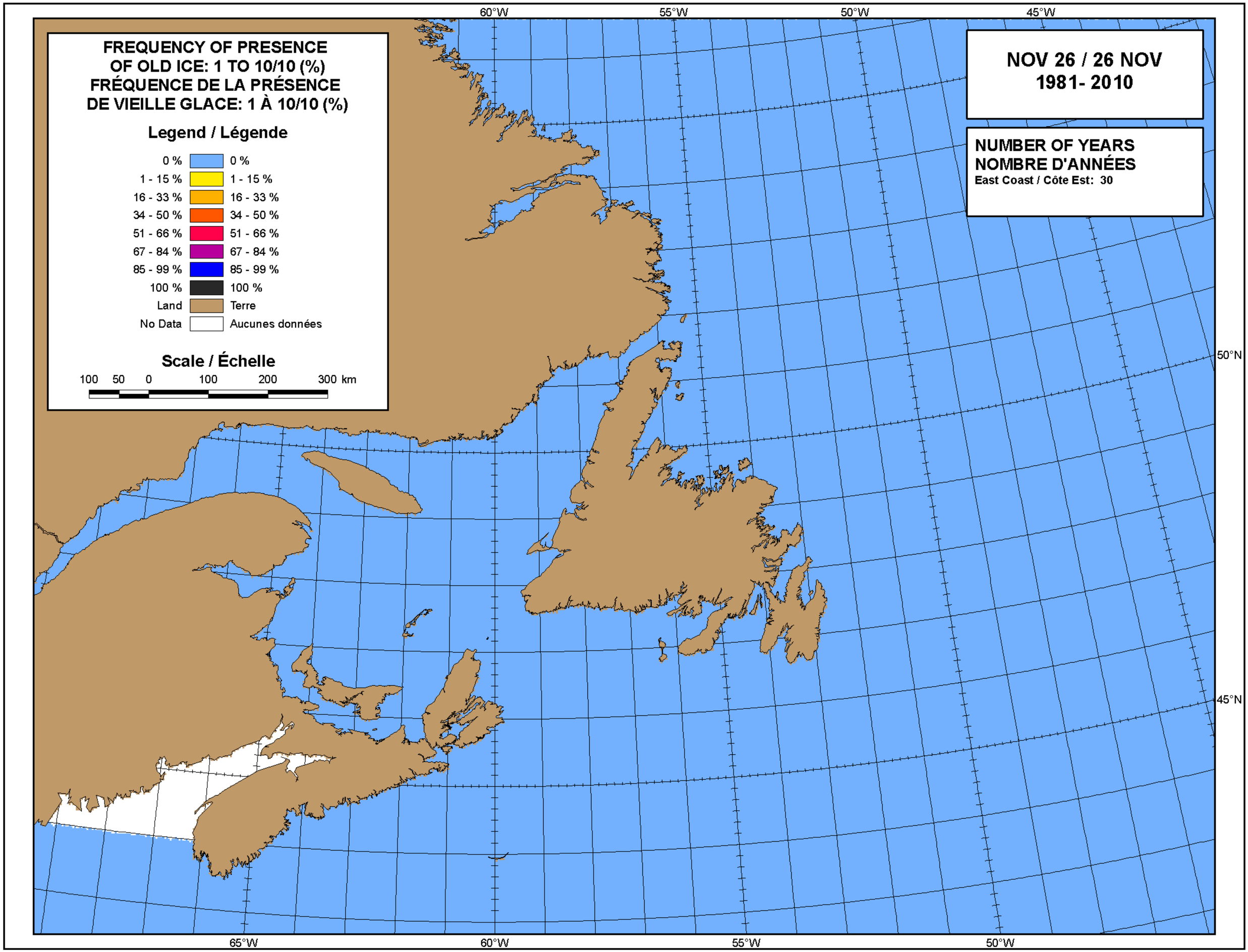

FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 20 / 20 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

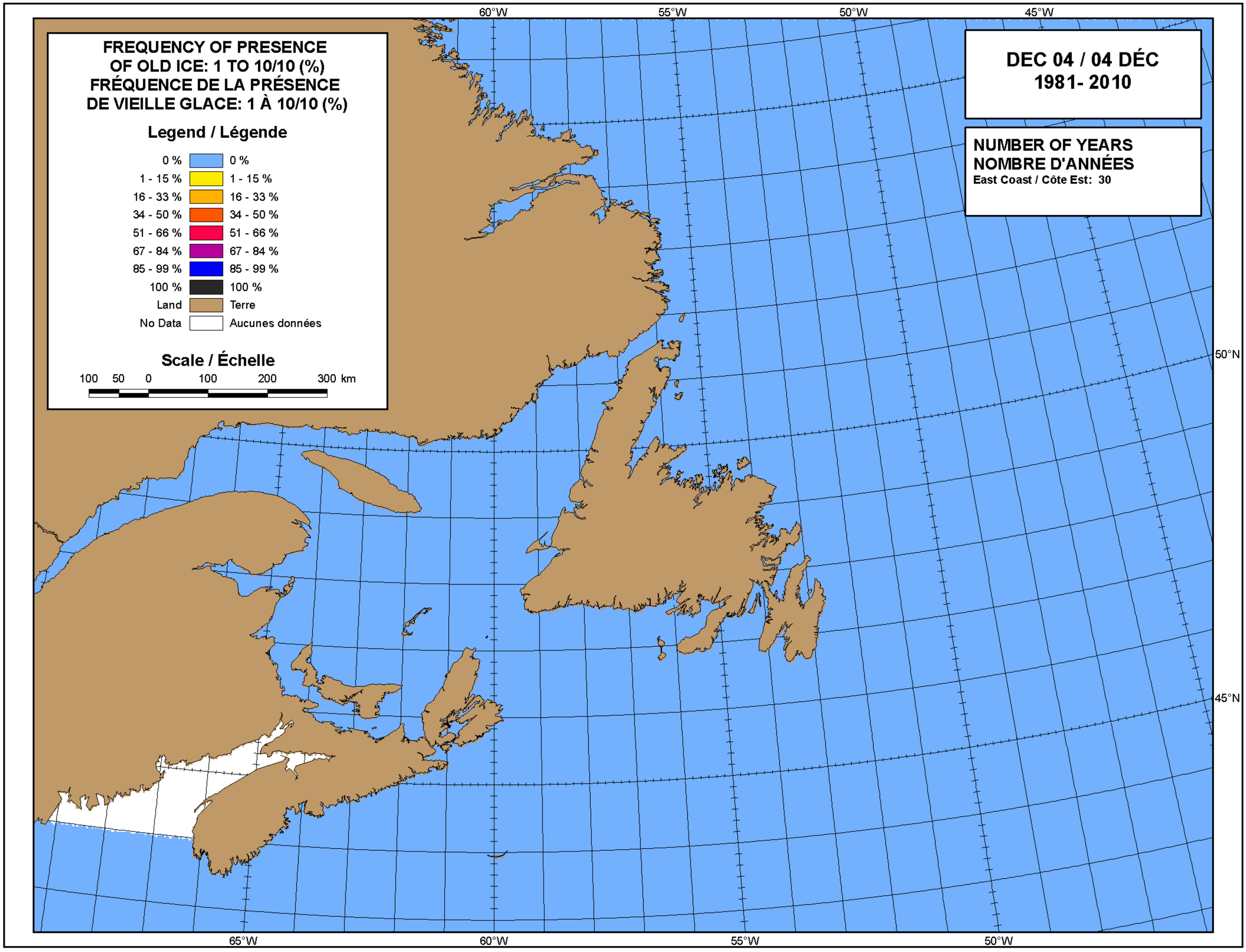

FREQUENCY OF PRESENCE OF SEA ICE (%)
FRÉQUENCE DE PRÉSENCE DE GLACE DE MER (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 27 / 27 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

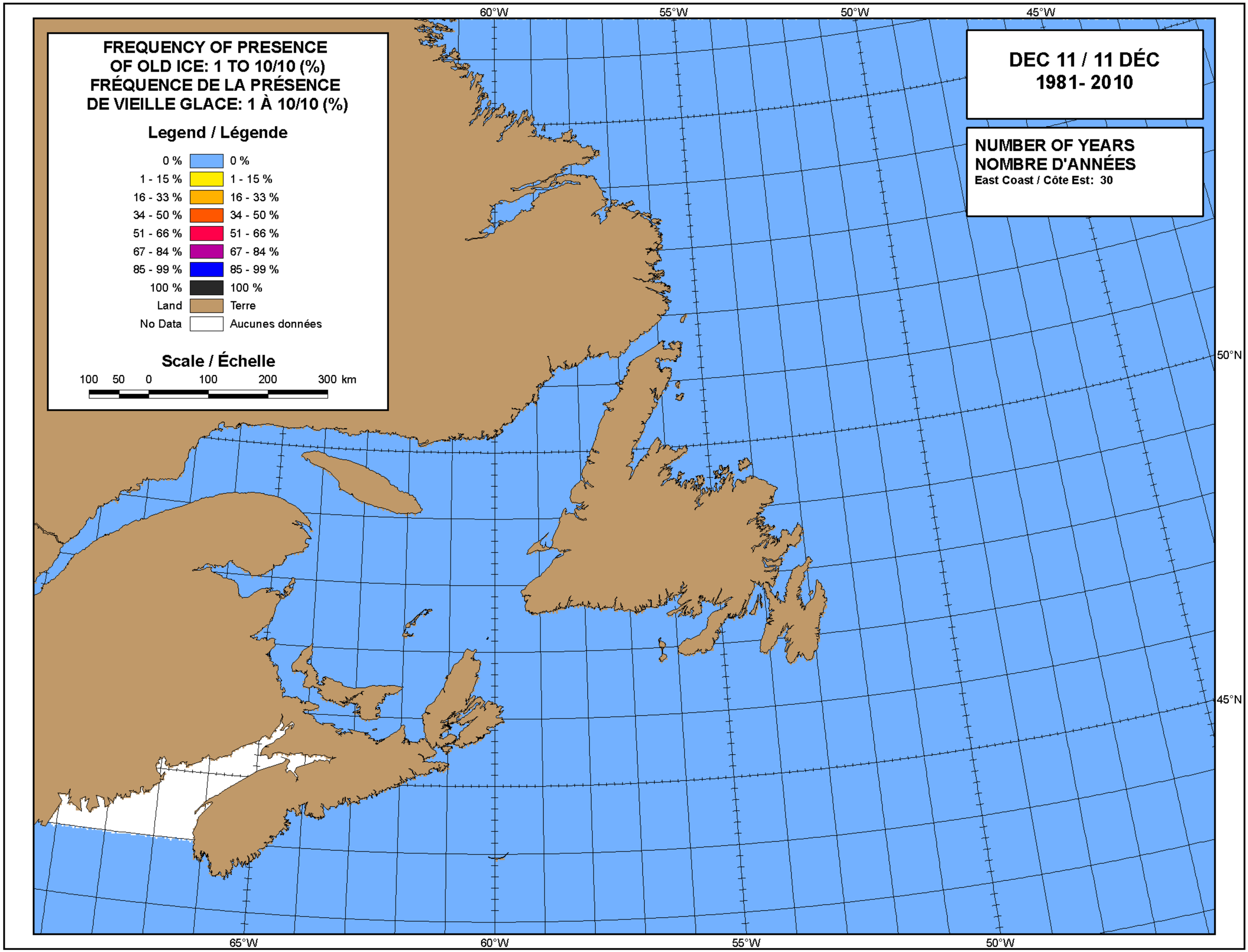
30-Year Frequency of Presence of Old Ice (%) Charts


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
NOV 12 / 12 NOV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
NOV 19 / 19 NOV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
NOV 26 / 26 NOV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 04 / 04 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 11 / 11 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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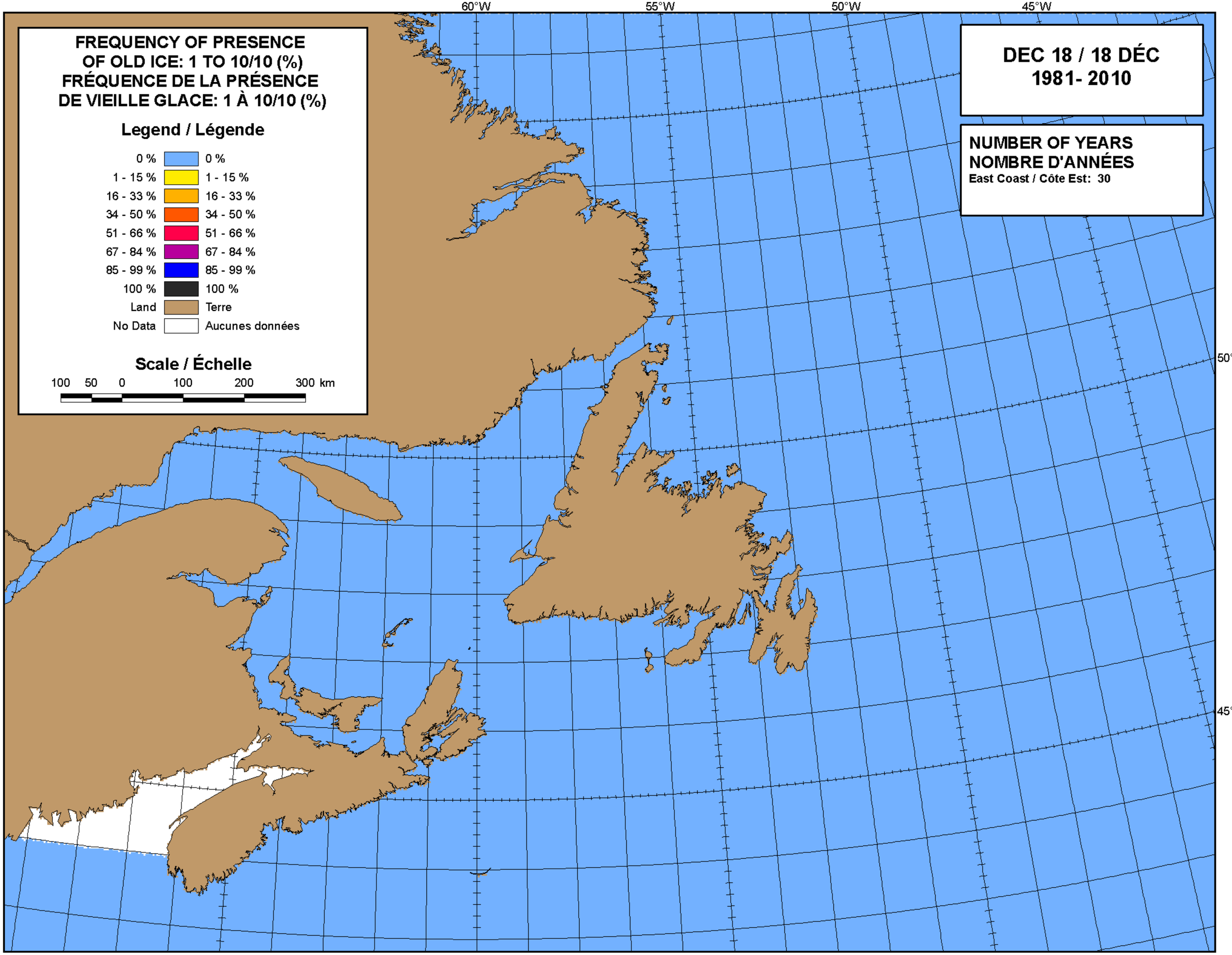
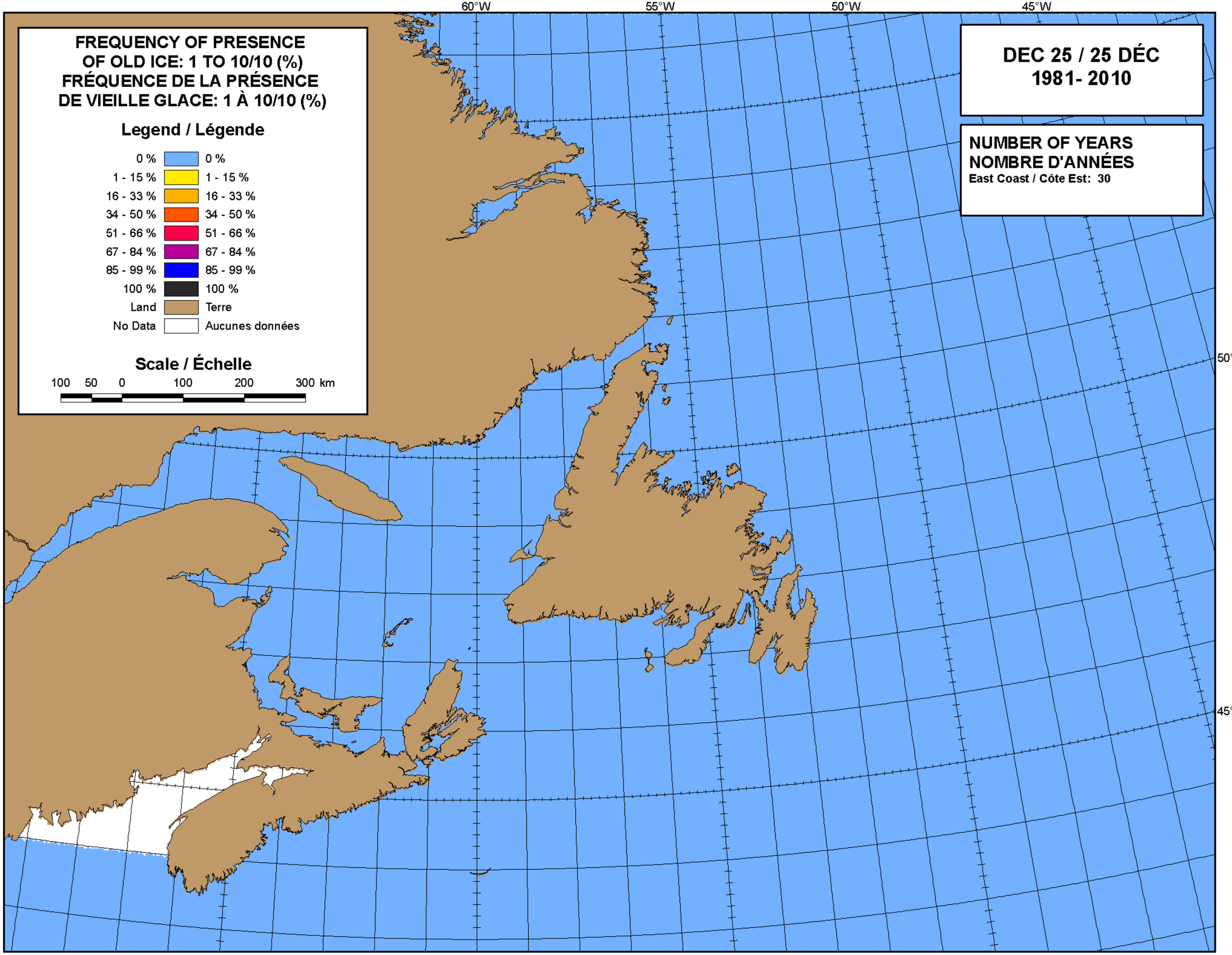
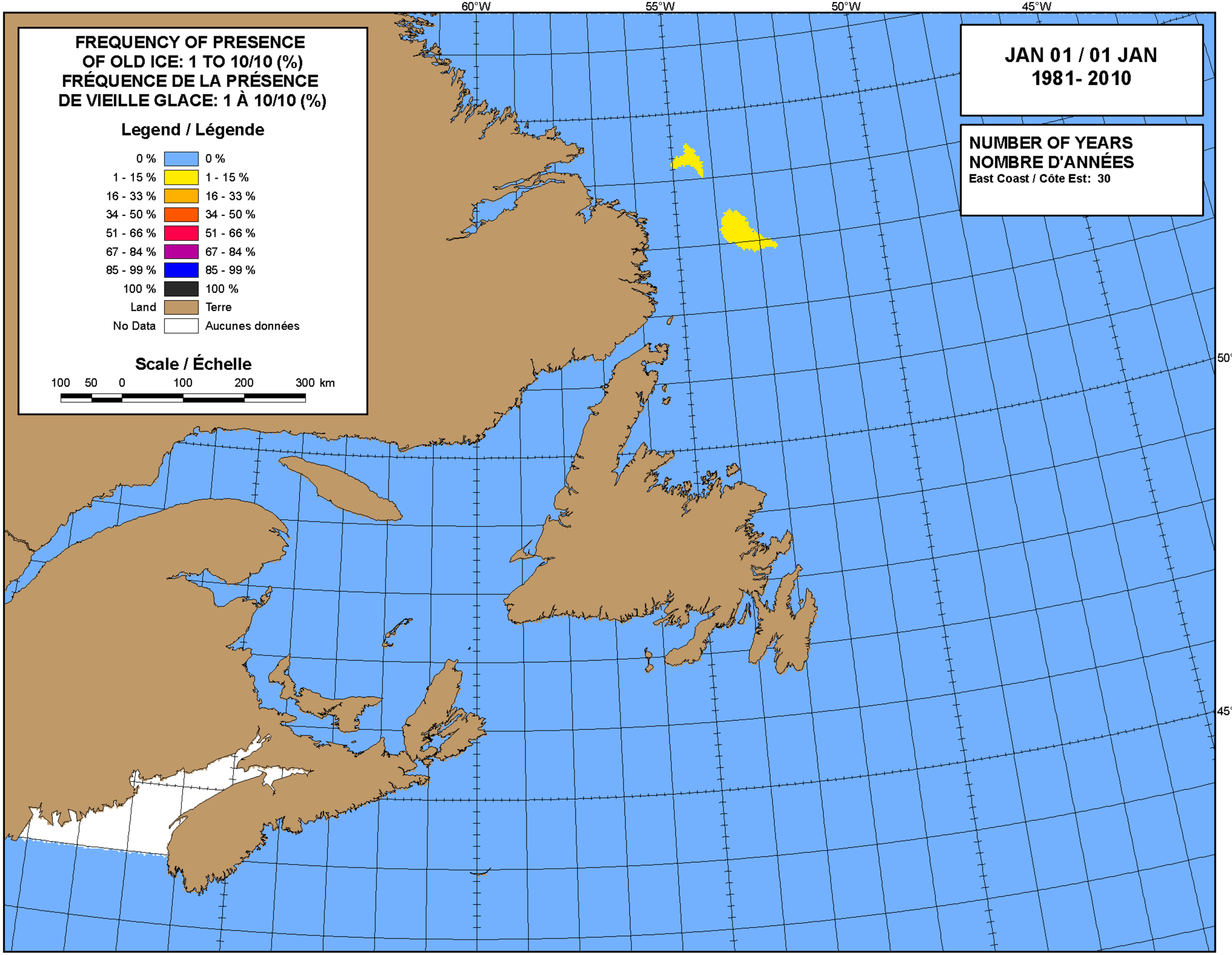
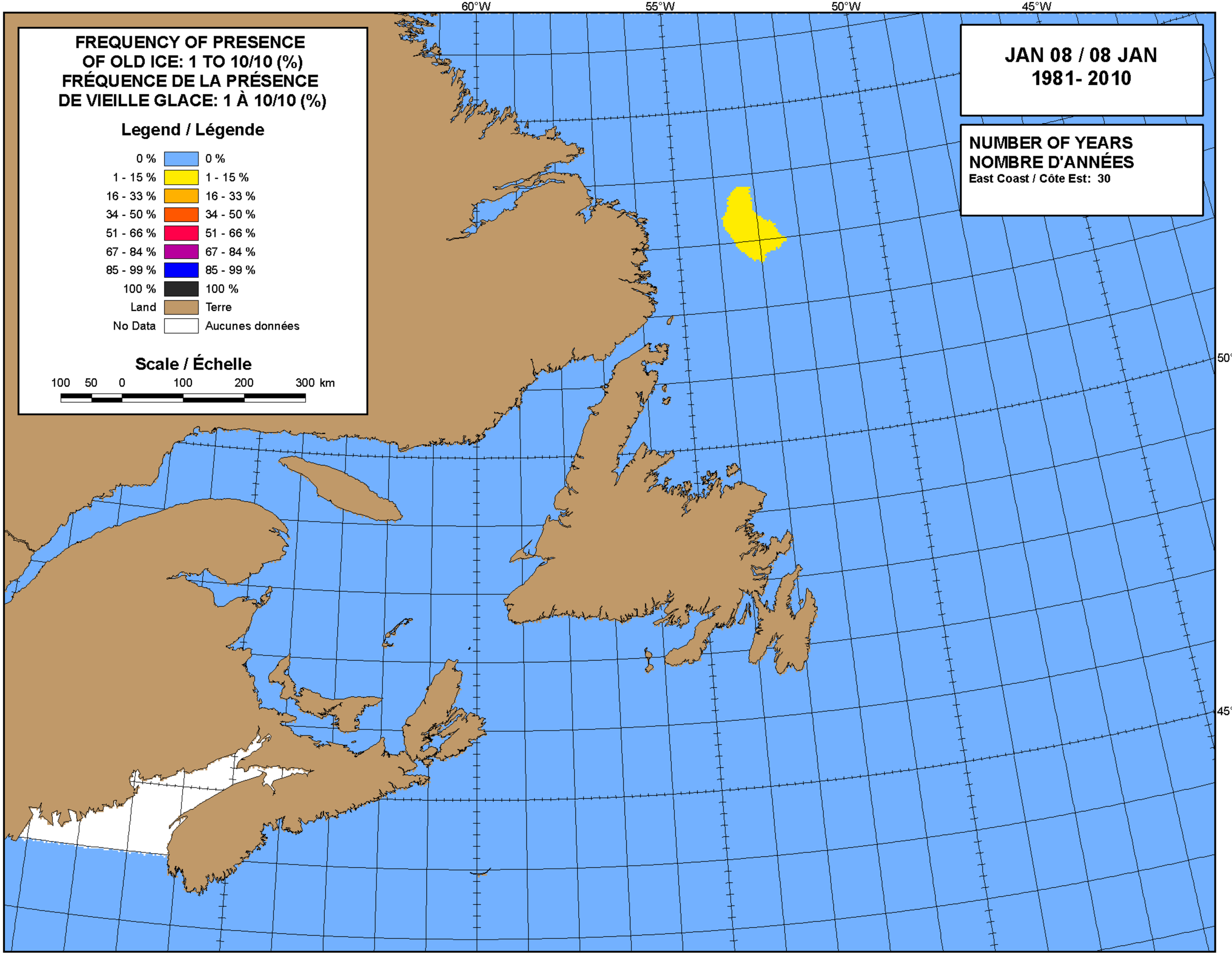
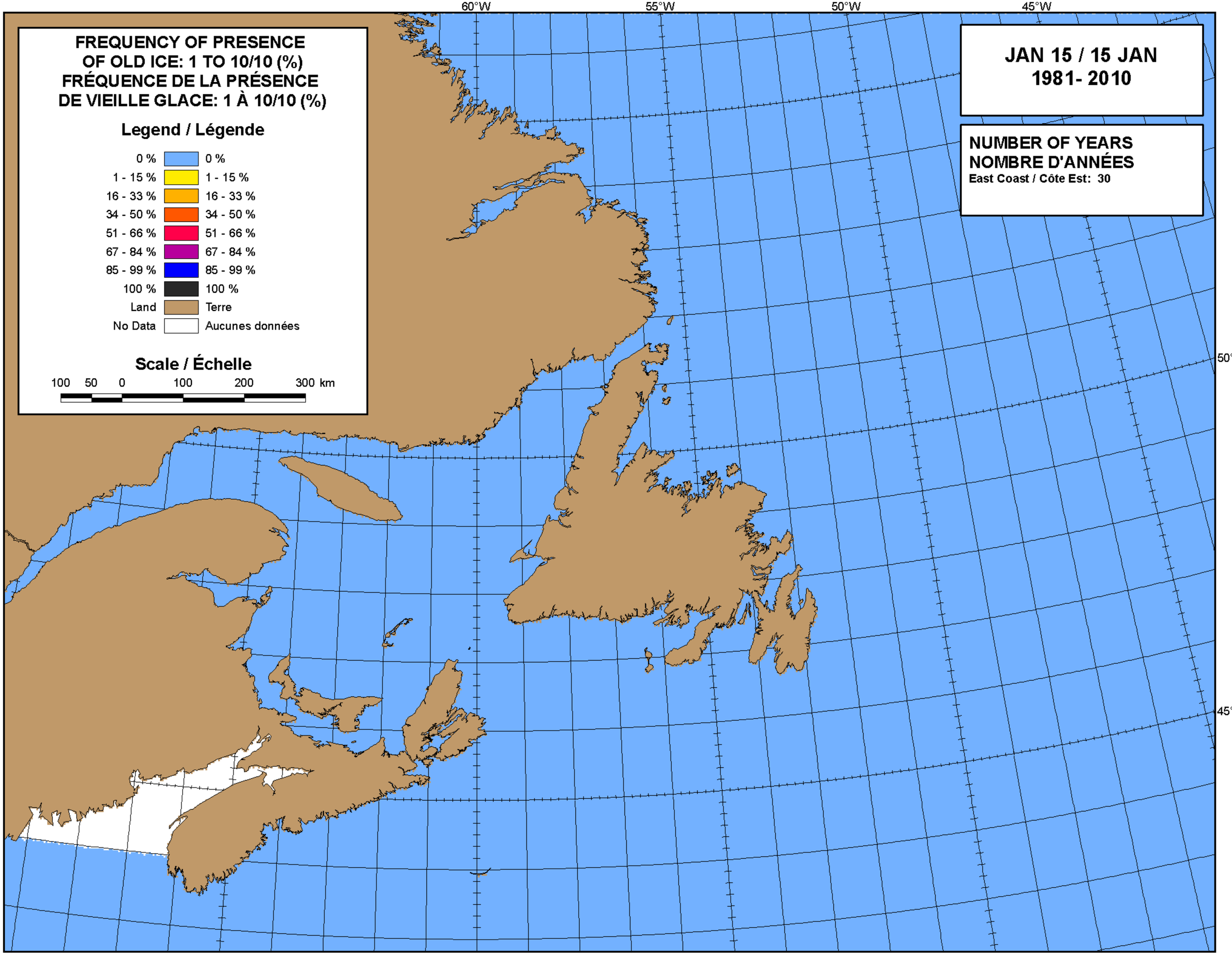
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

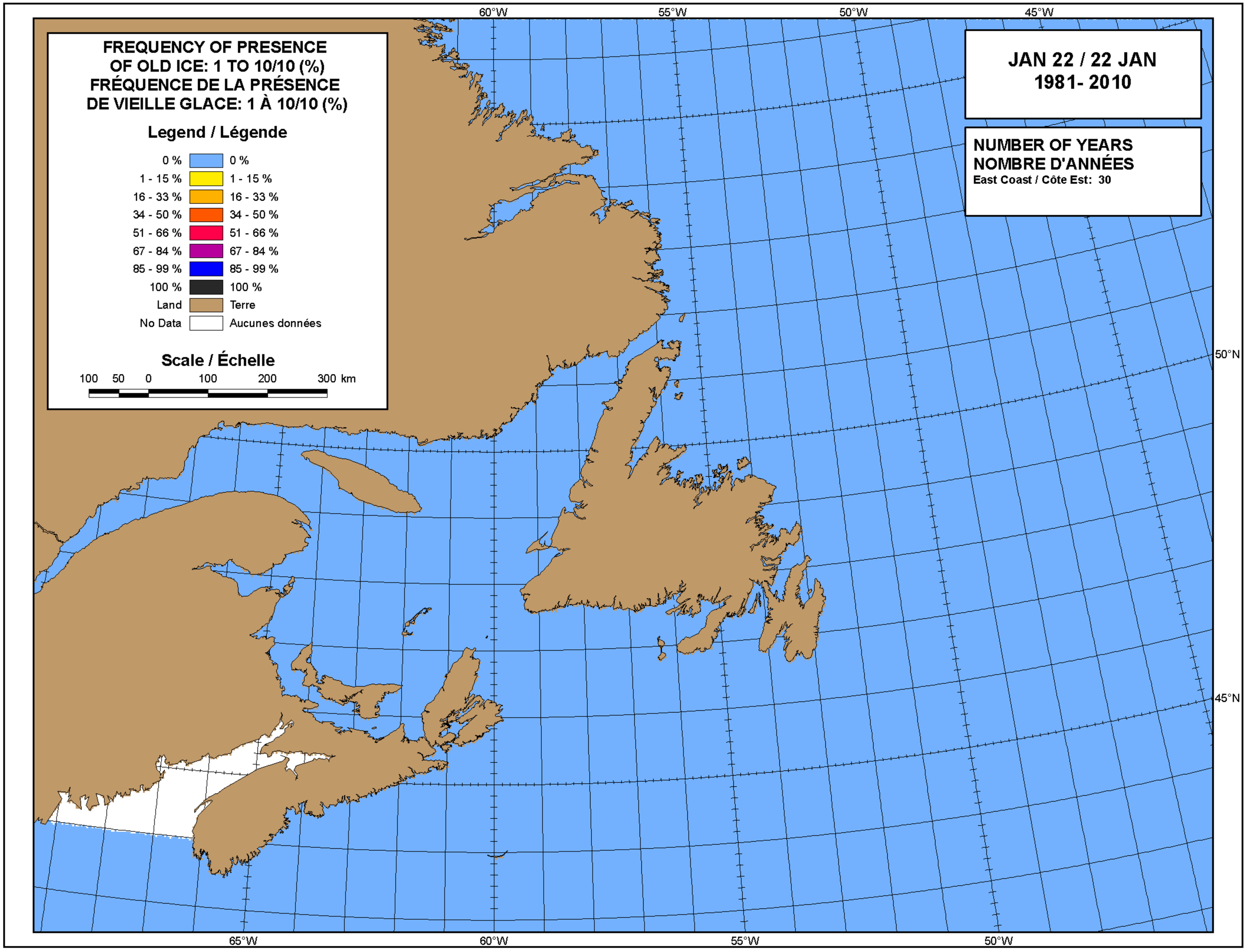

FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 18 / 18 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

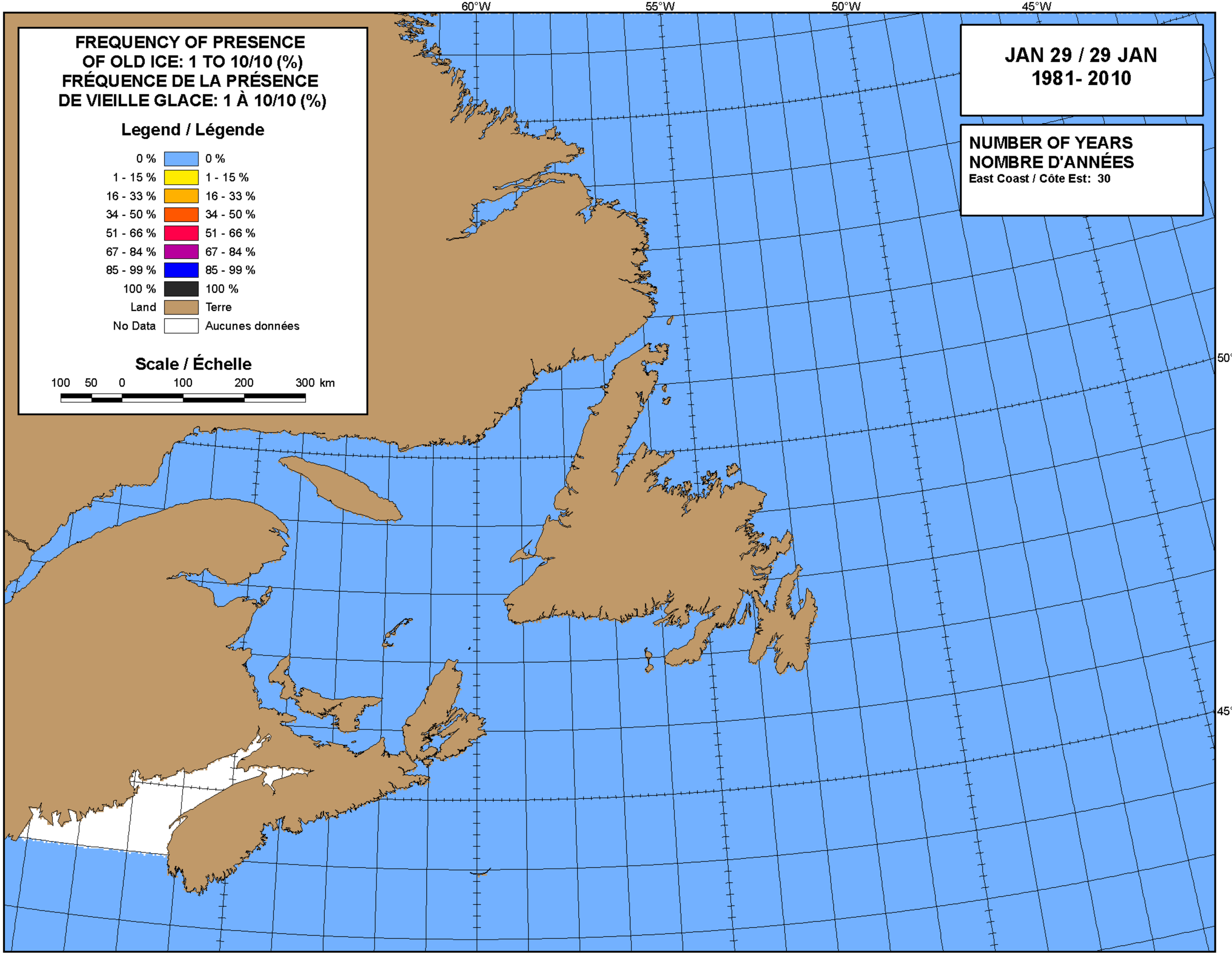

FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 25 / 25 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 01 / 01 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 08 / 08 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 15 / 15 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 22 / 22 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 29 / 29 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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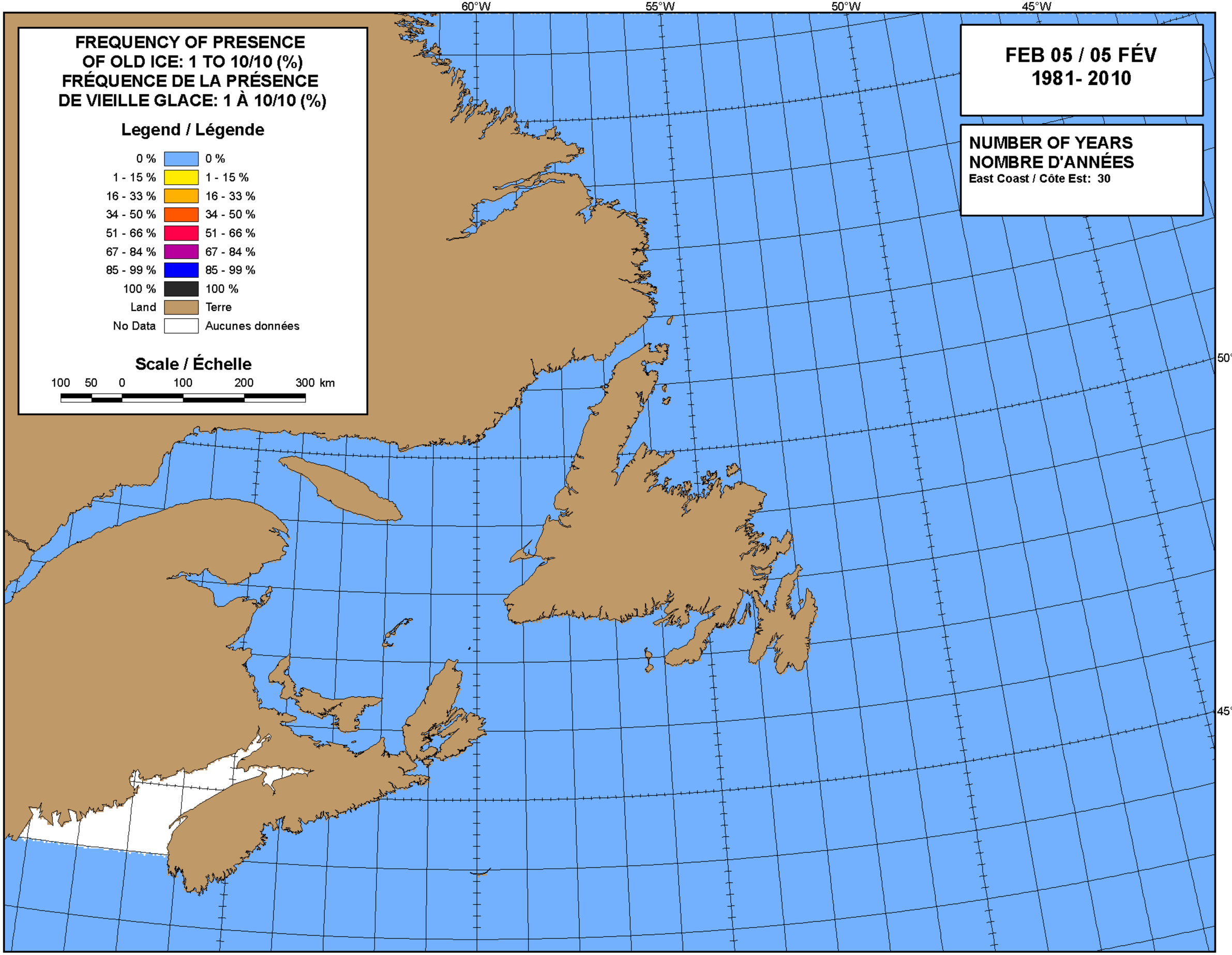
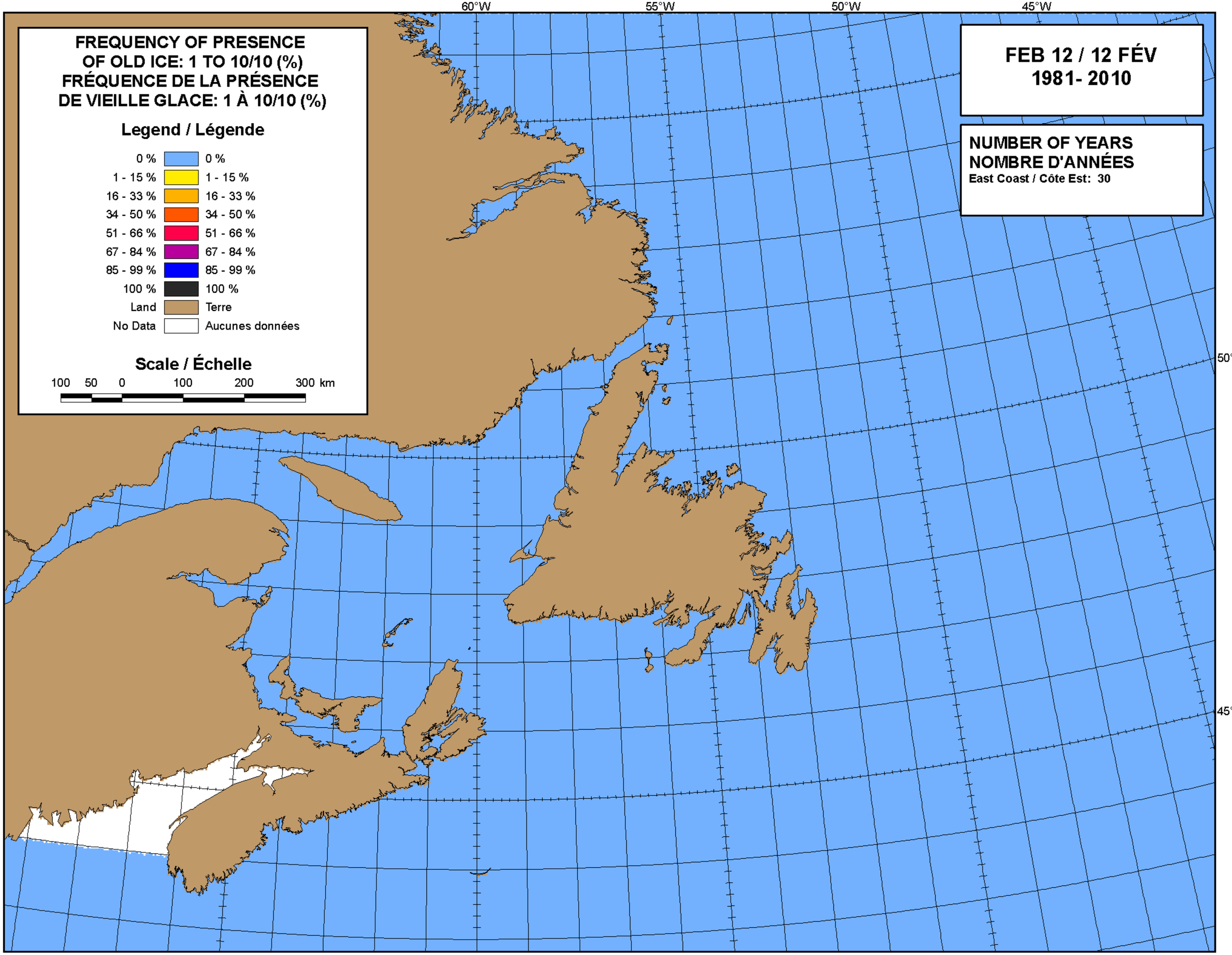
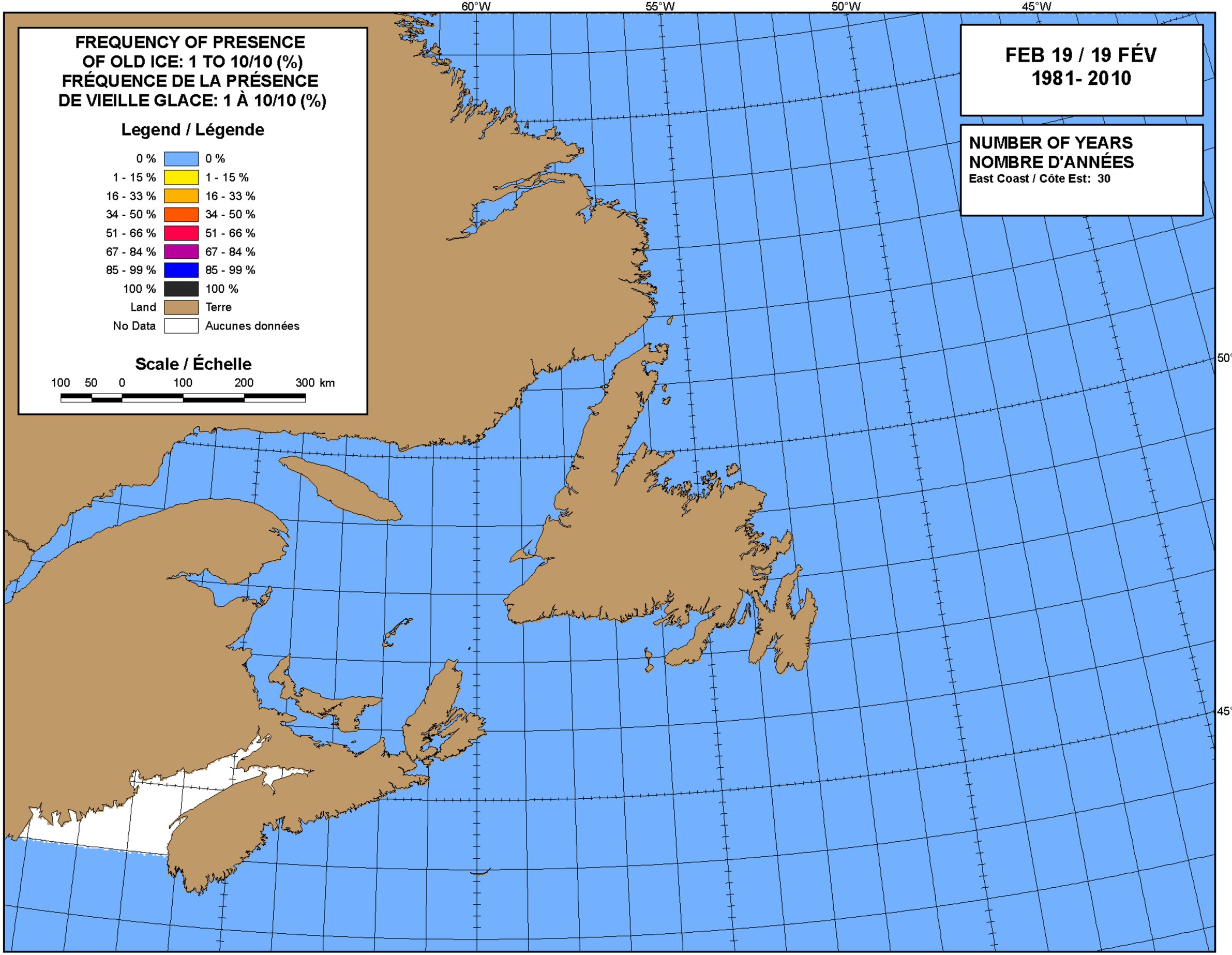
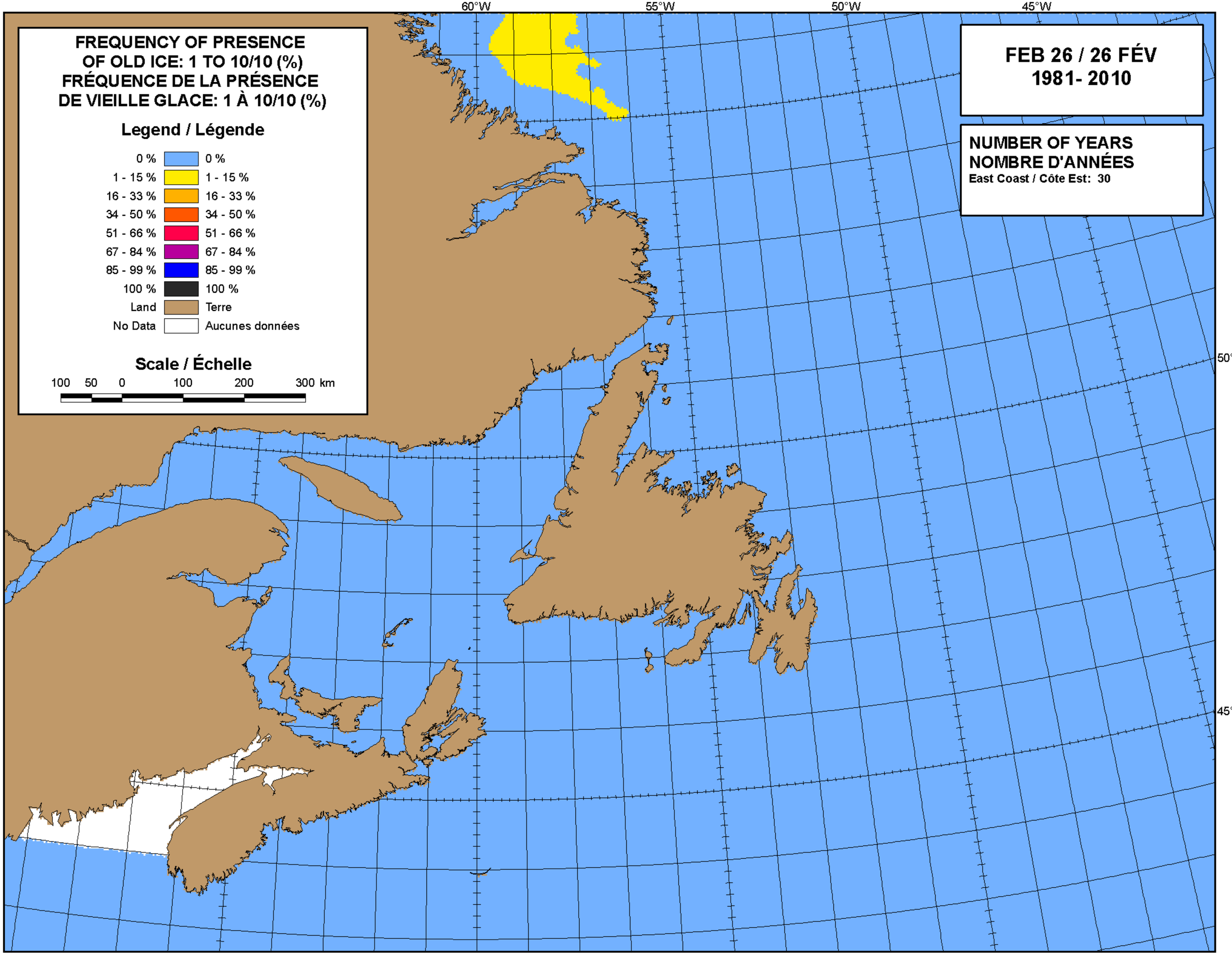
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 05 / 05 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 12 / 12 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 19 / 19 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 26 / 26 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
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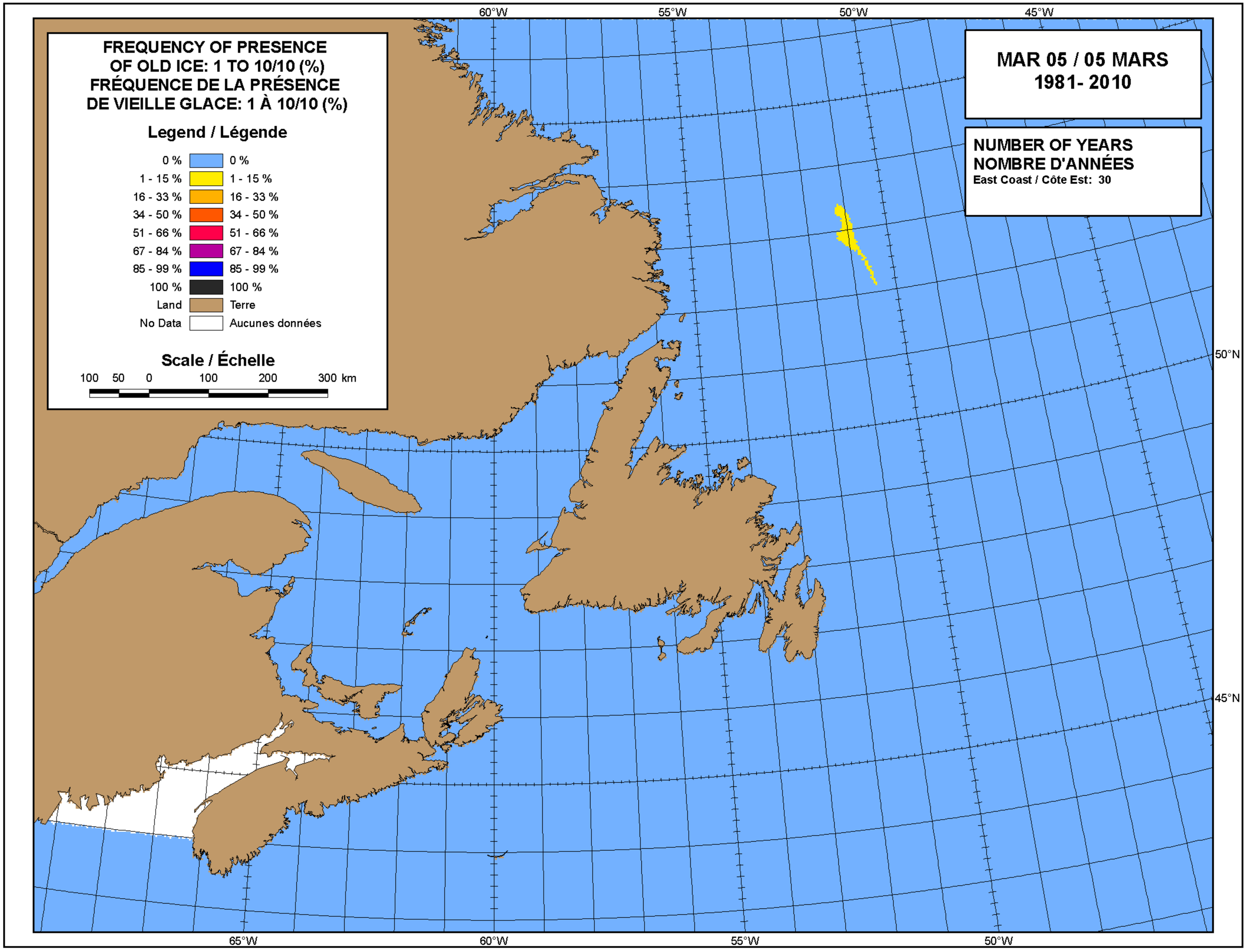
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 05 / 05 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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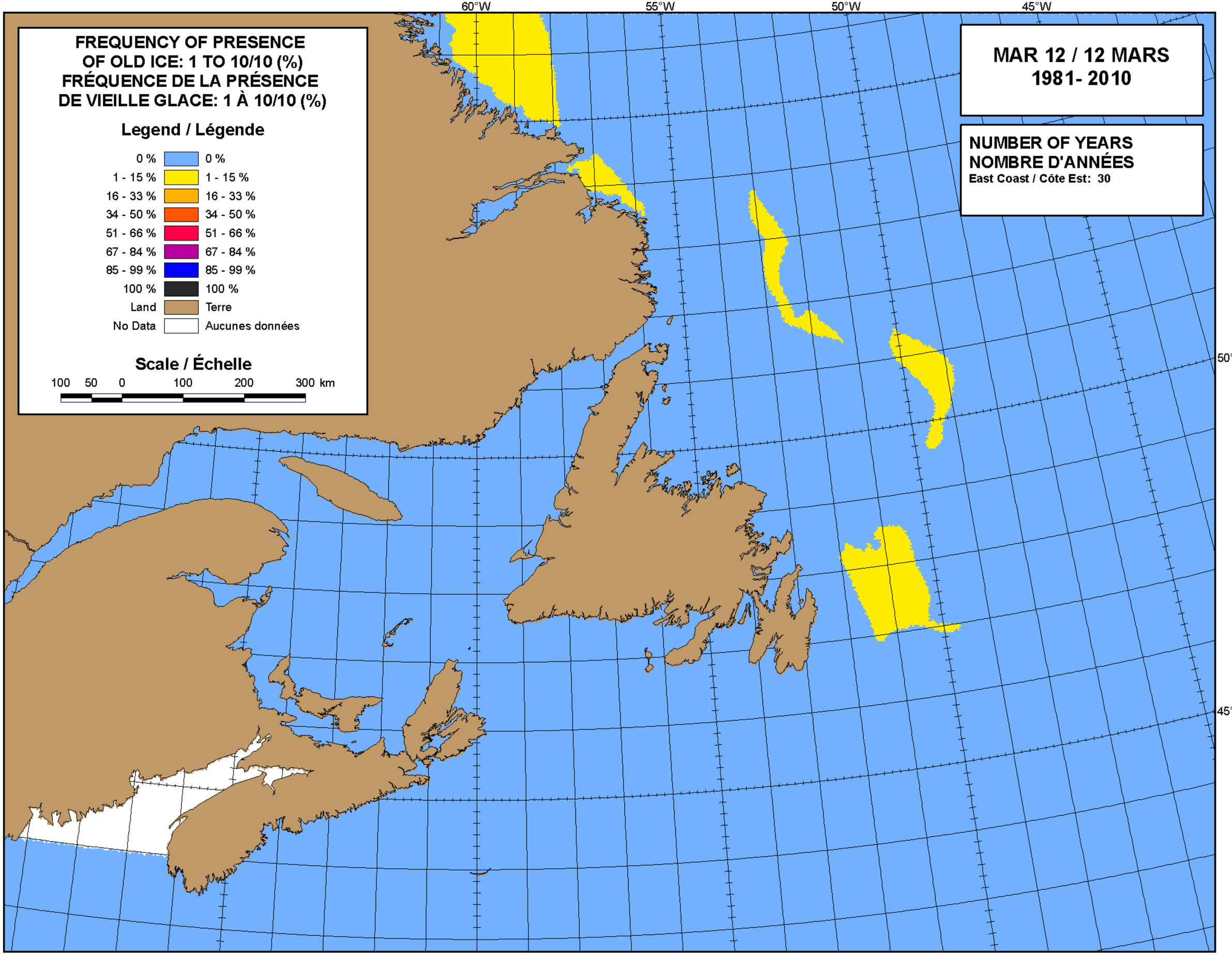
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
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1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 12 / 12 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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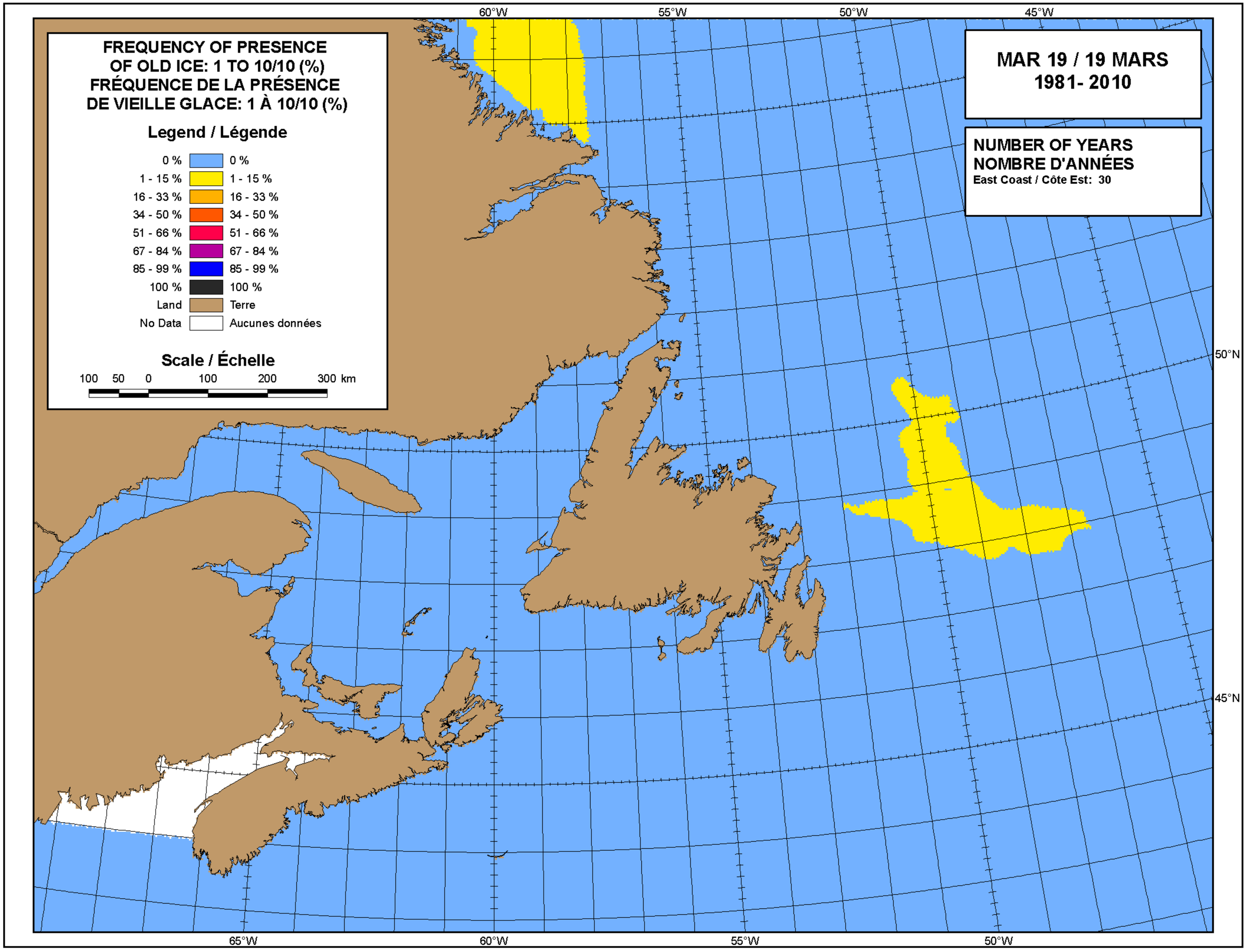
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 19 / 19 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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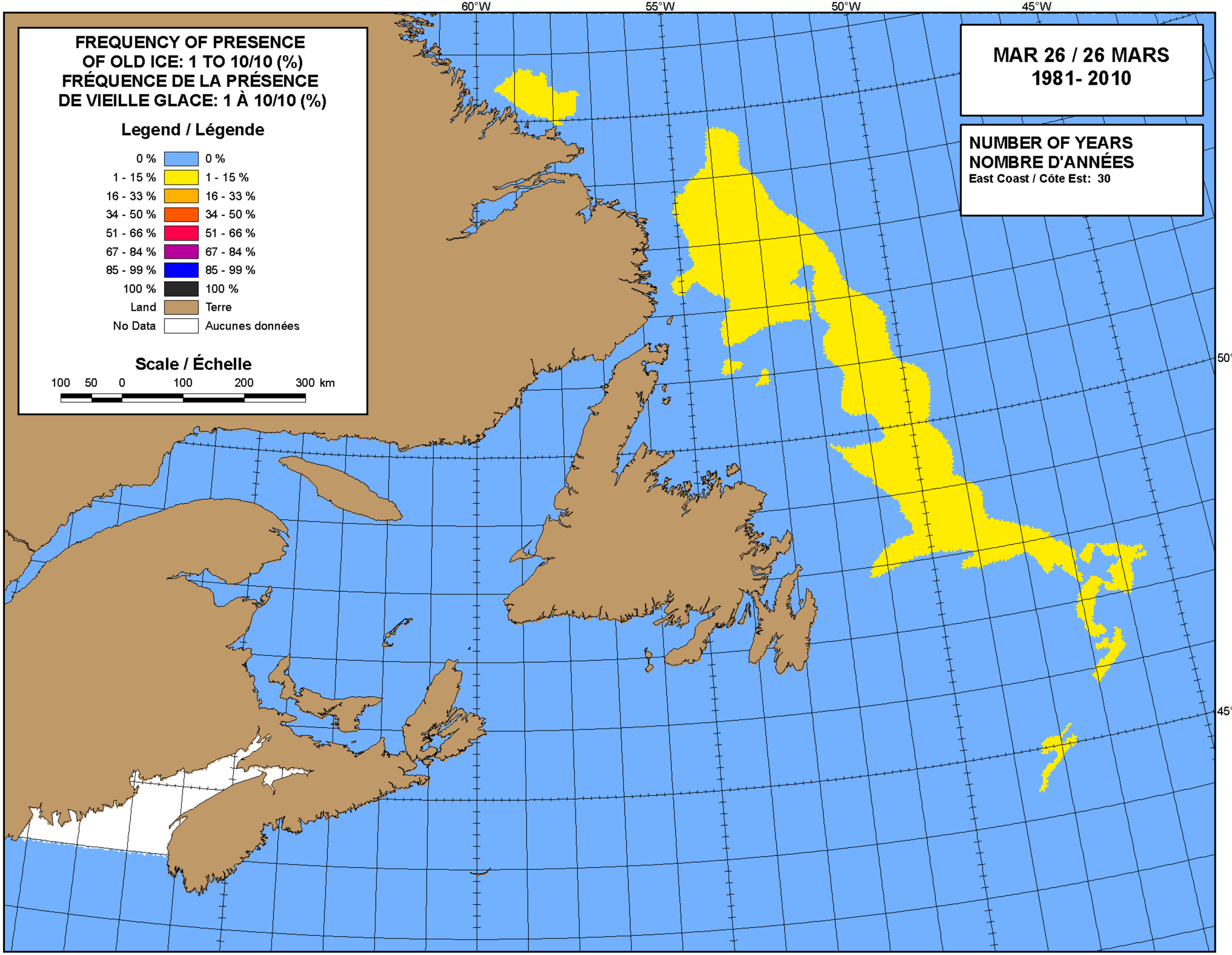
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 26 / 26 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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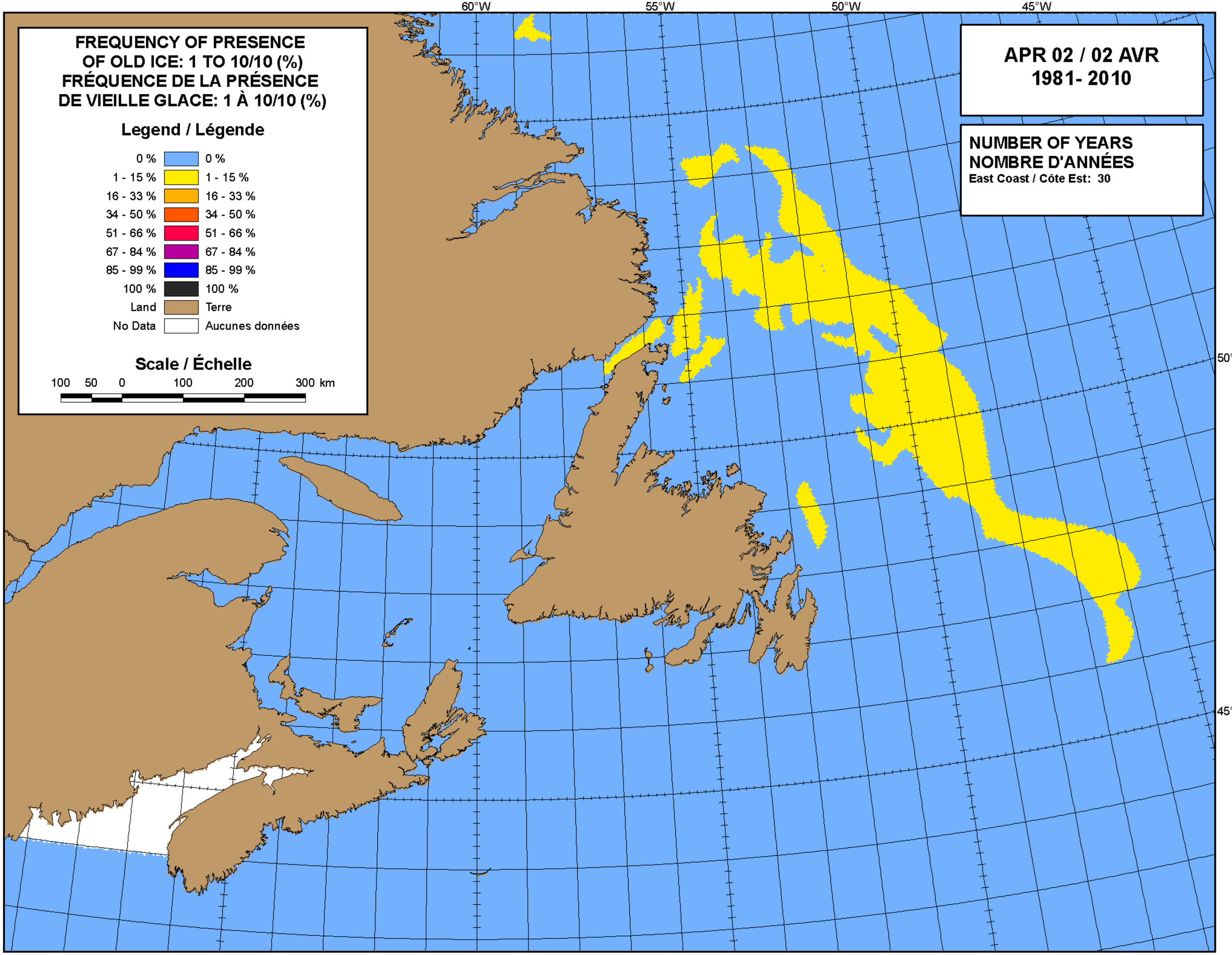
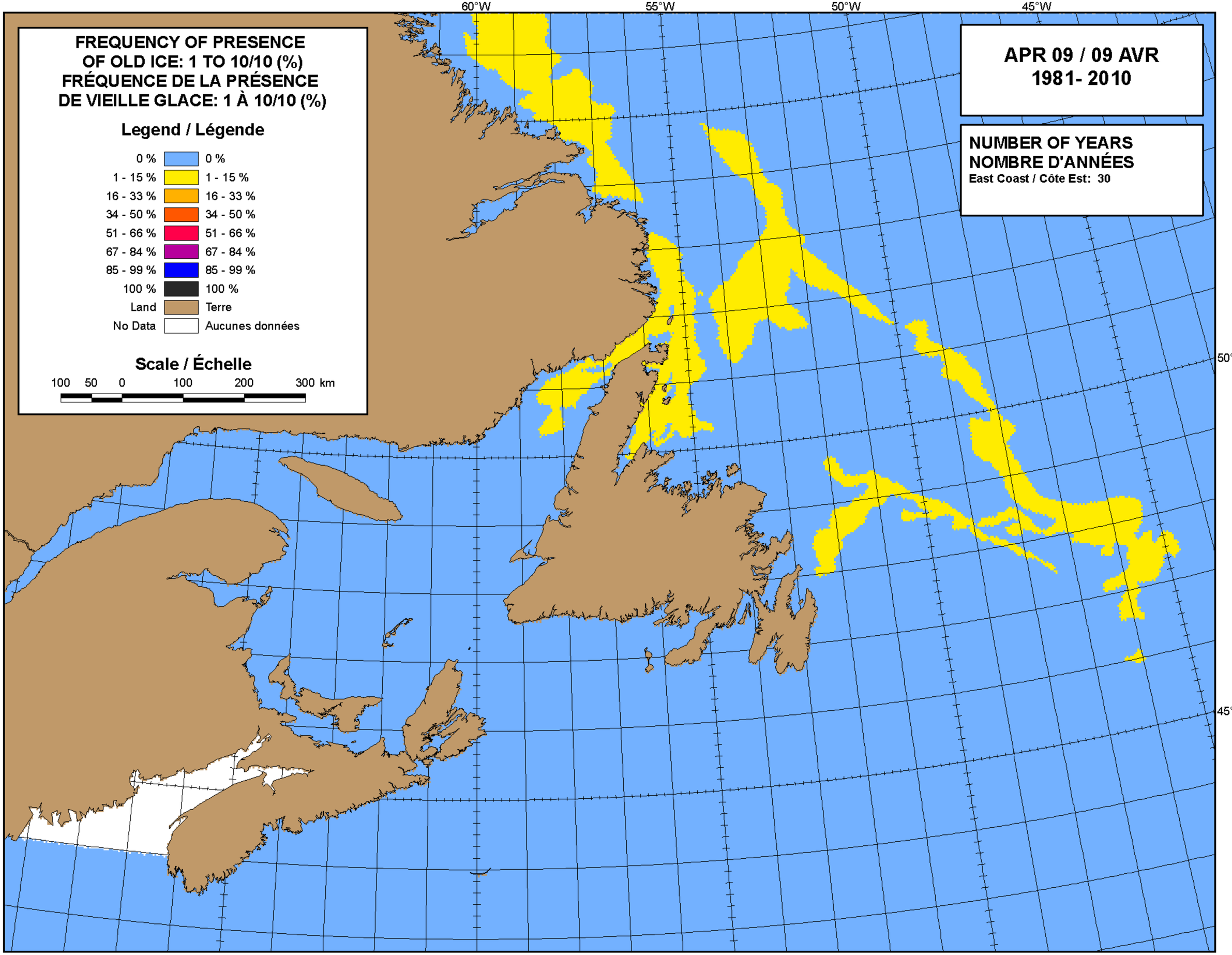
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 02 / 02 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 09 / 09 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
50°W
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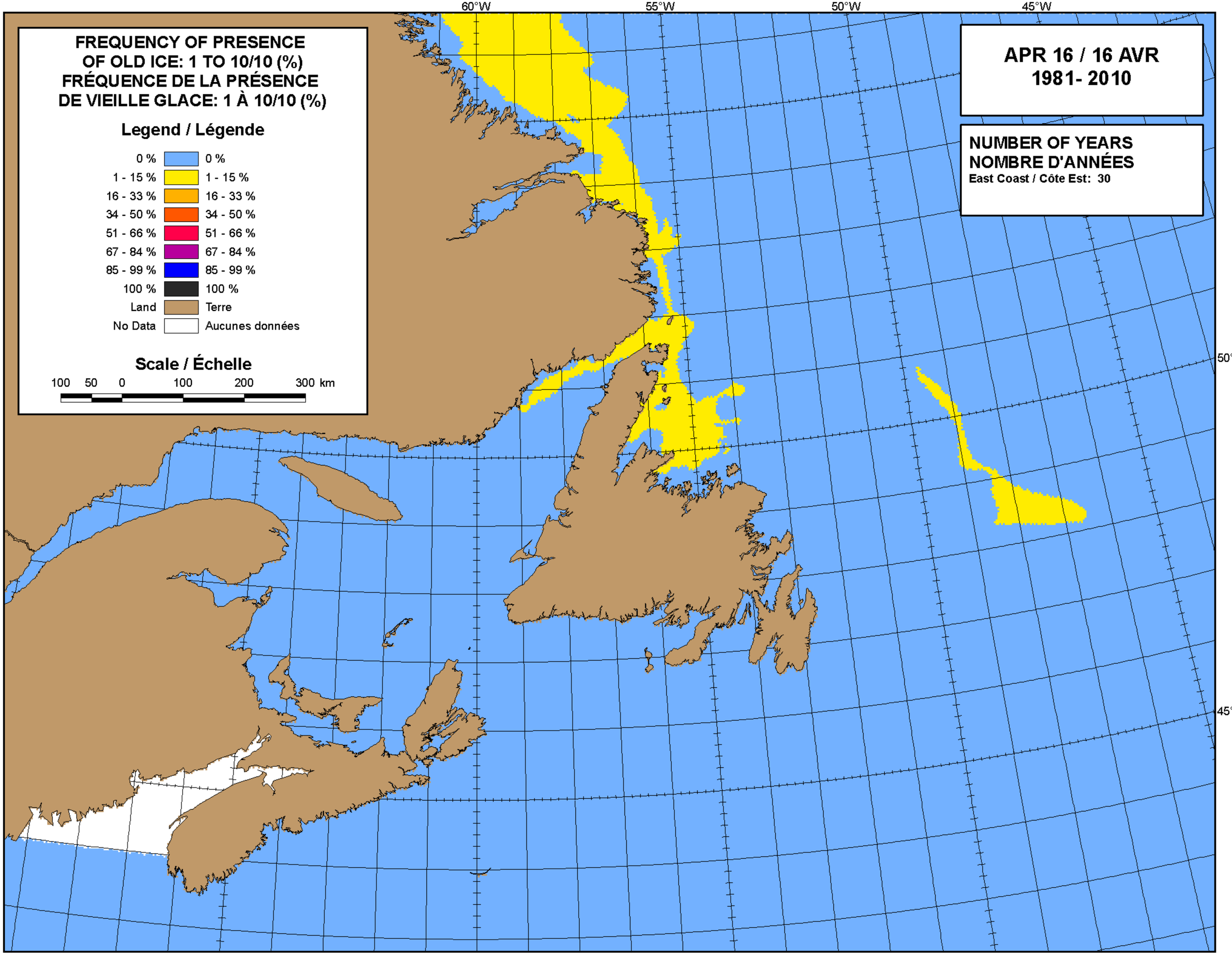
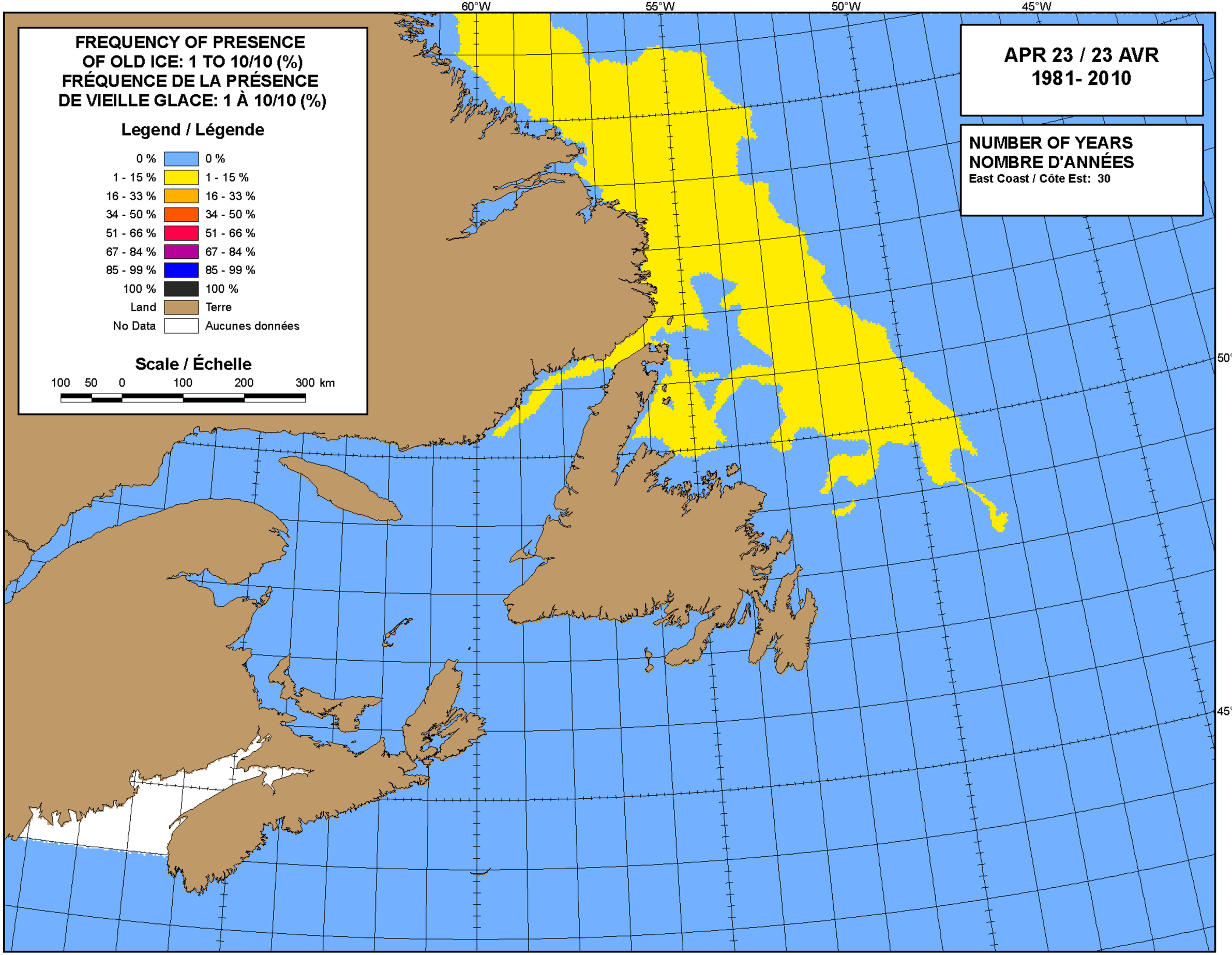
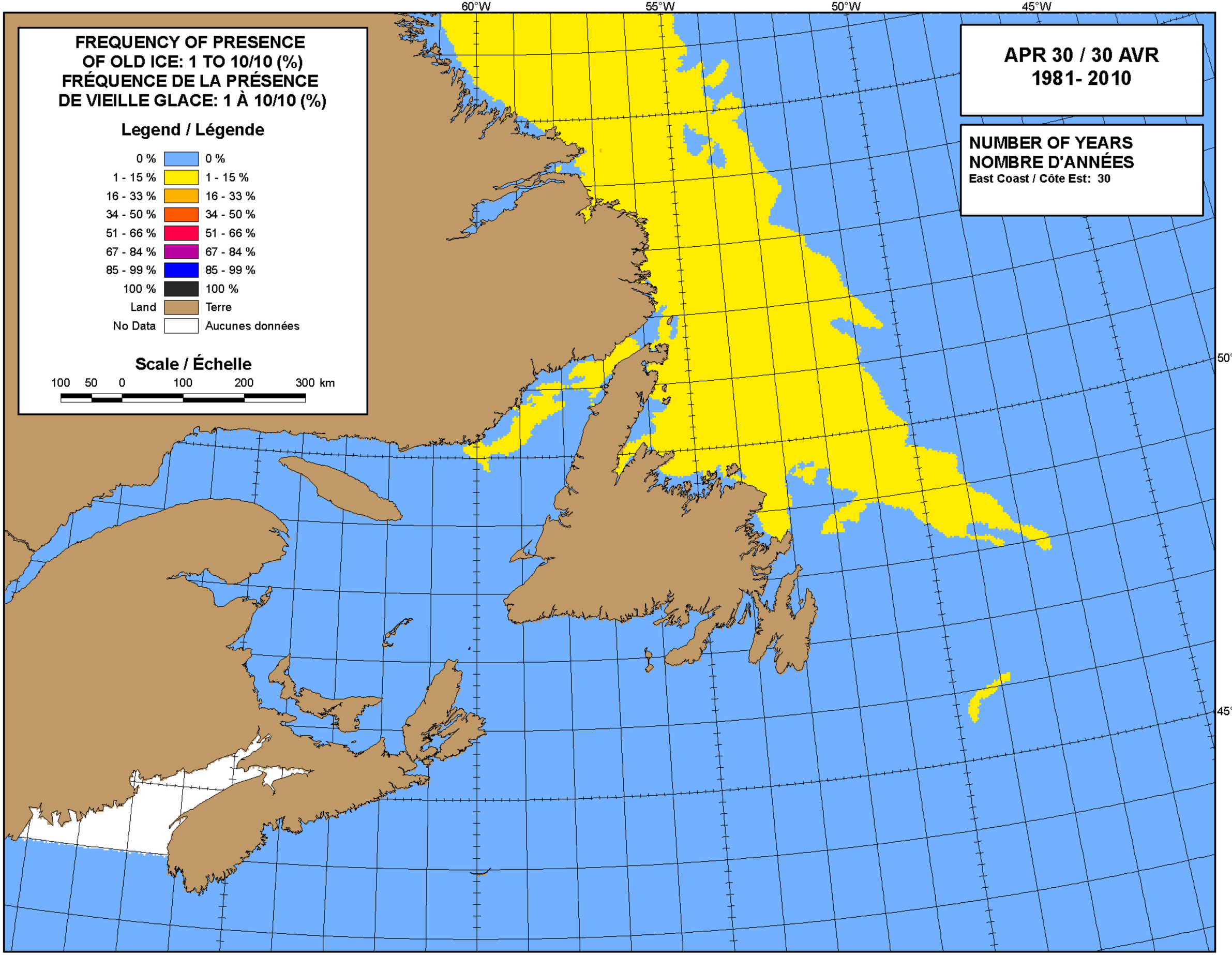
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 16 / 16 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 23 / 23 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 30 / 30 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
50°W
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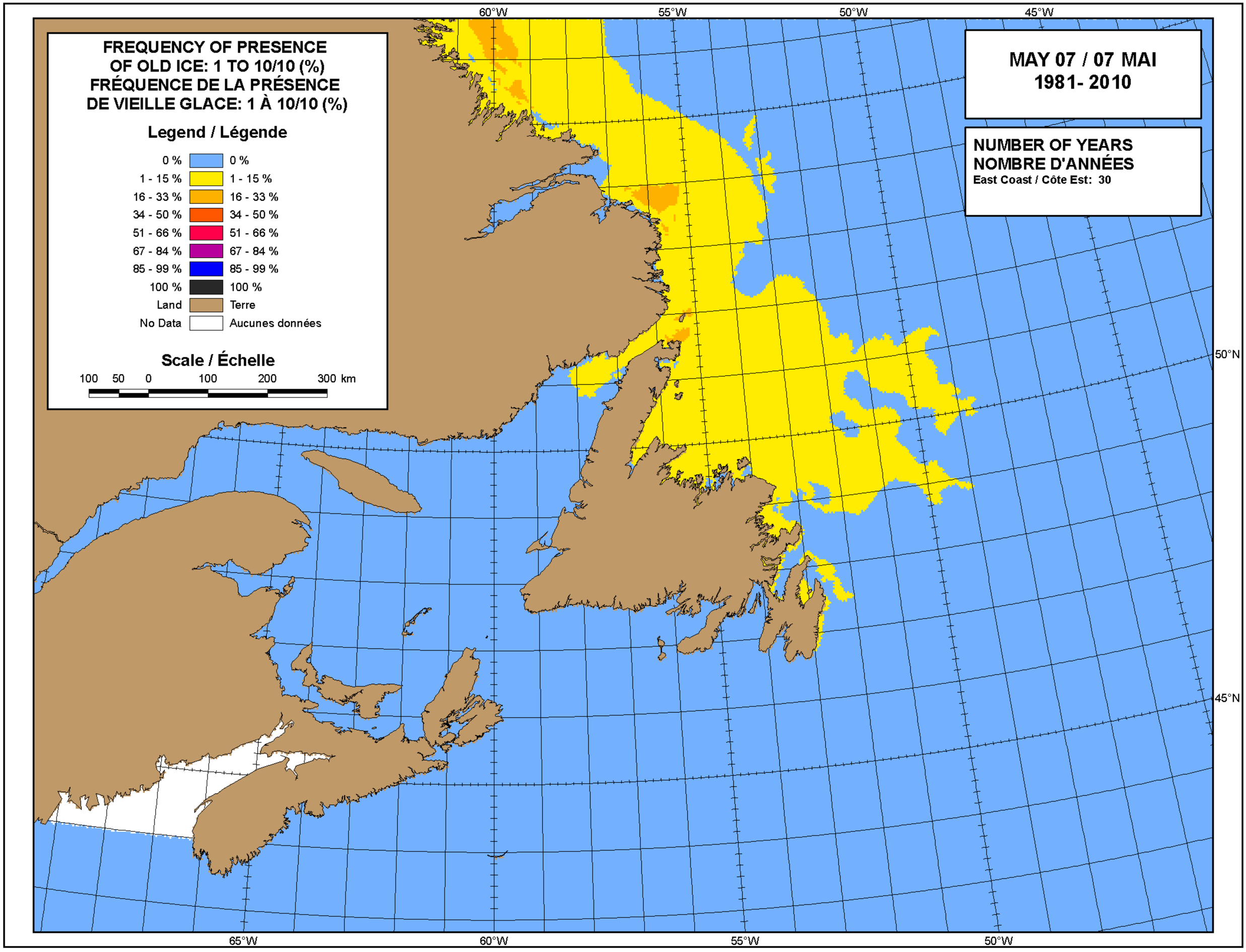
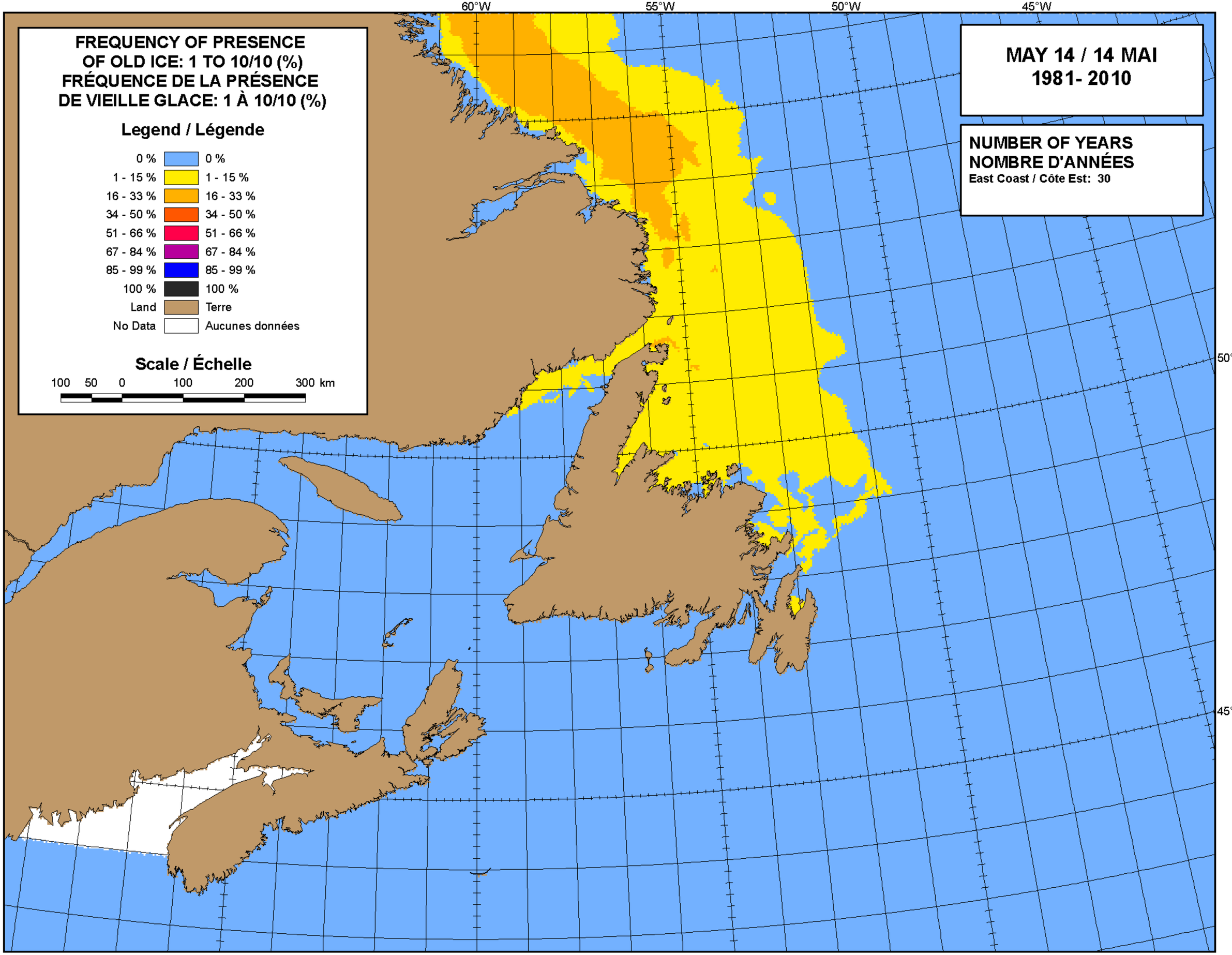
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 07 / 07 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 14 / 14 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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50°W
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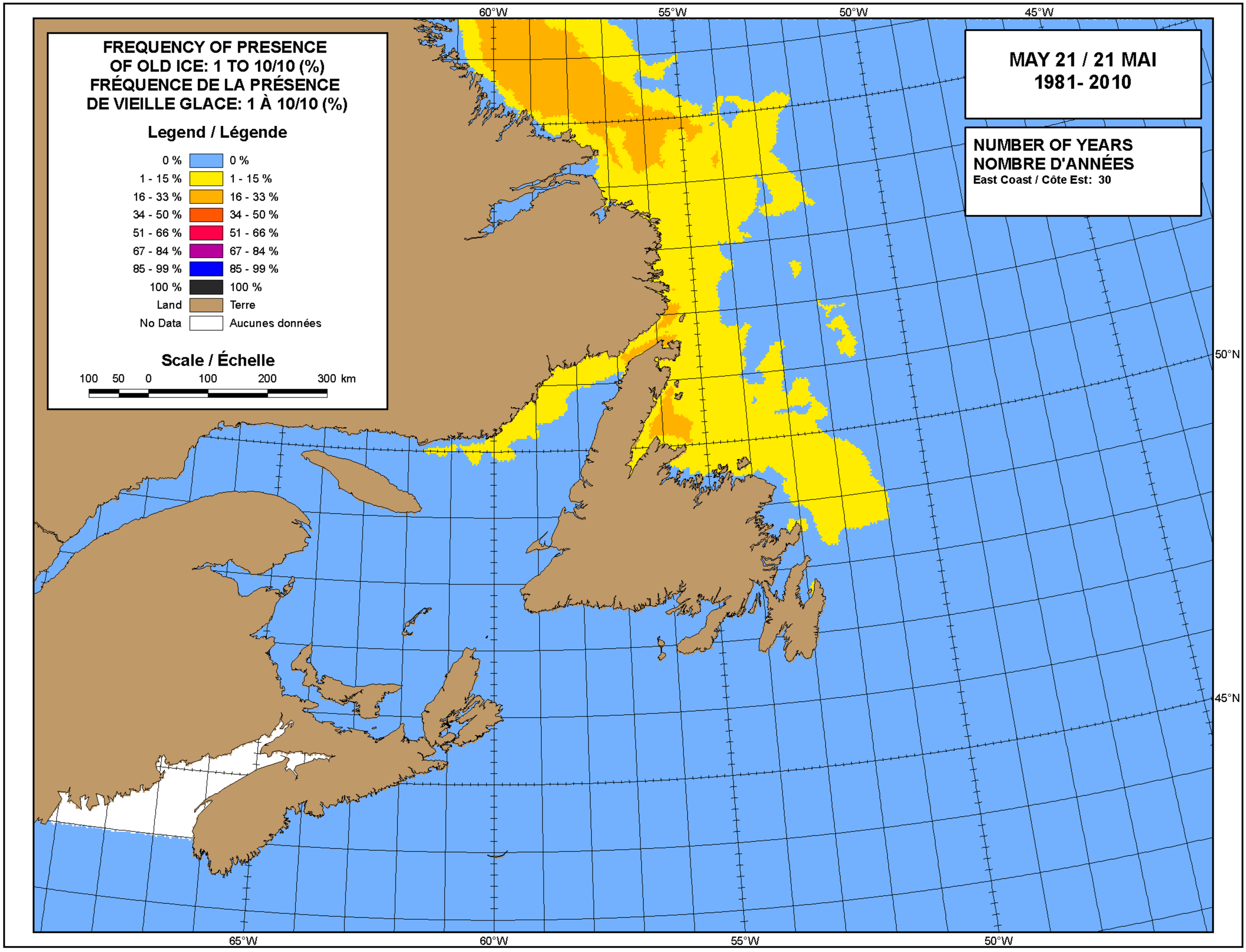
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
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51 - 66 % 51 - 66 %
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85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 21 / 21 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
50°W
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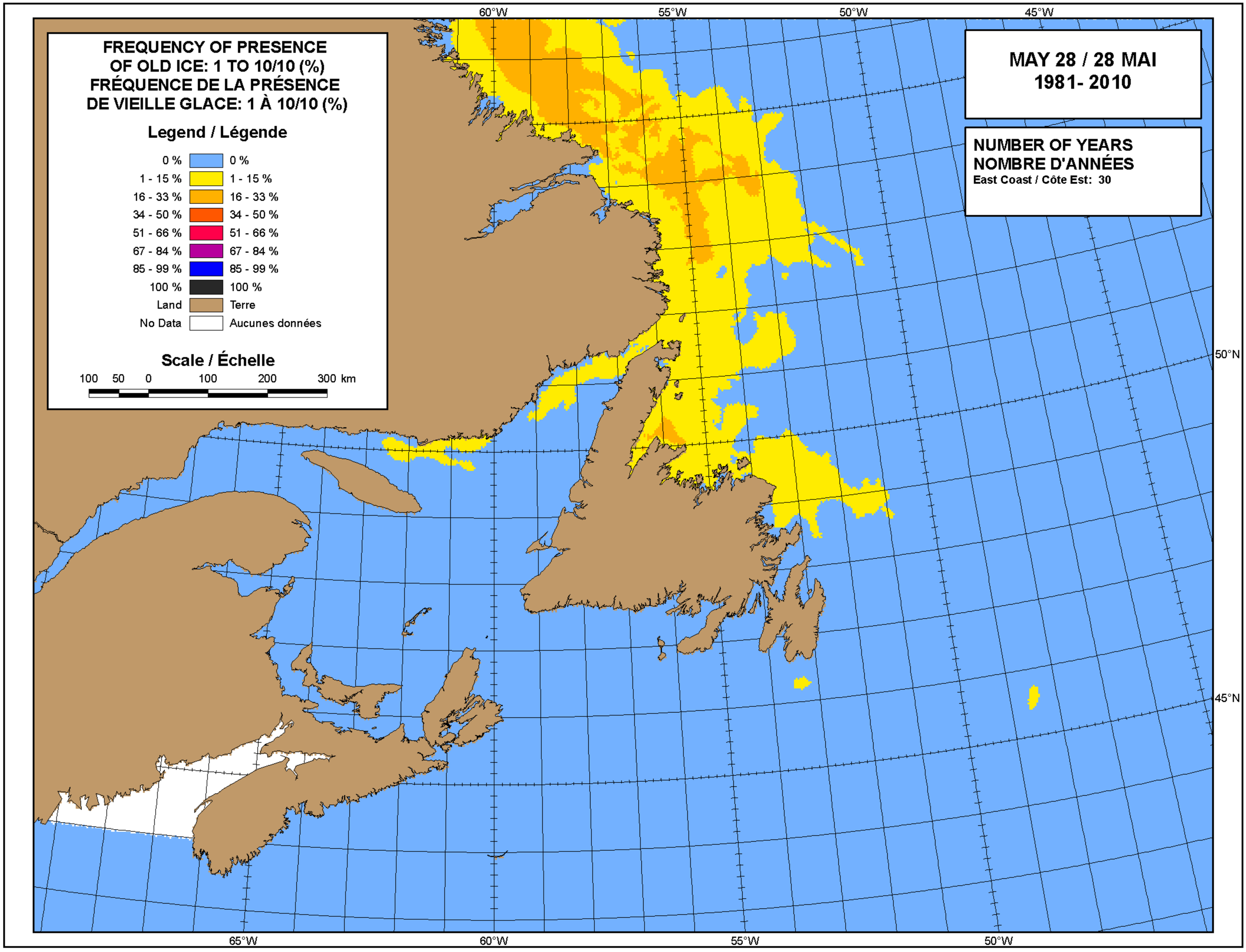
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 28 / 28 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
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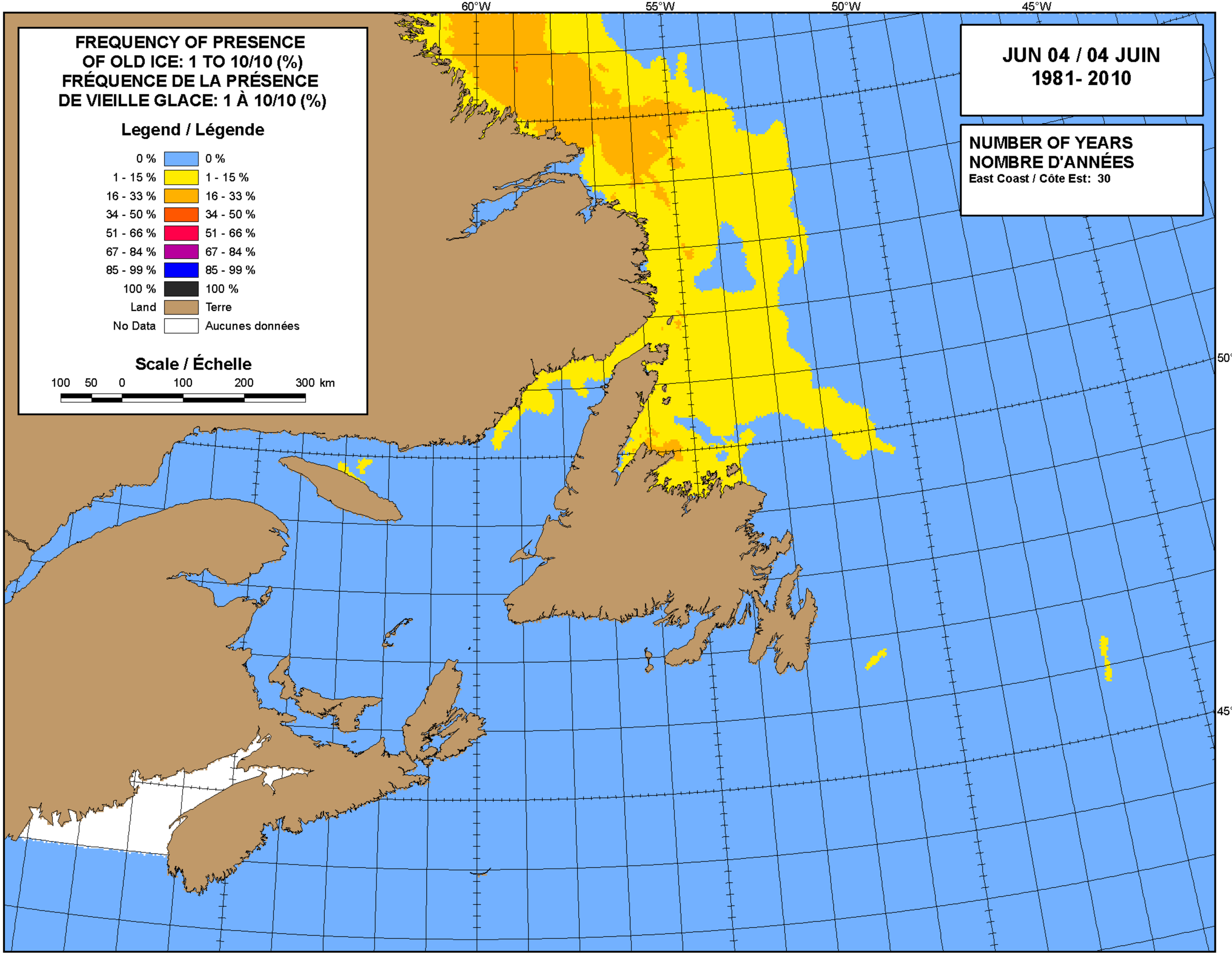
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
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51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 04 / 04 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
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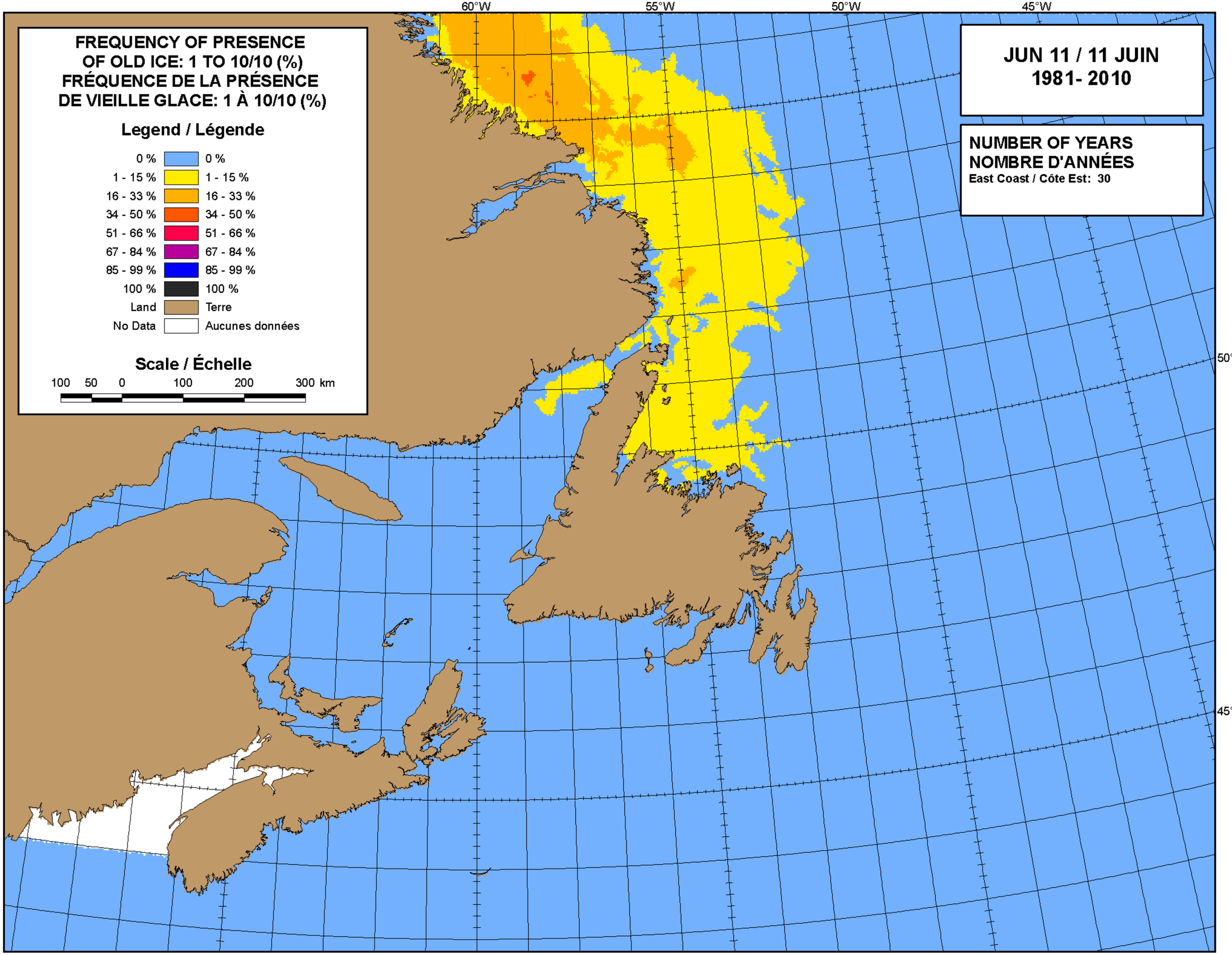
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 11 / 11 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
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60°W
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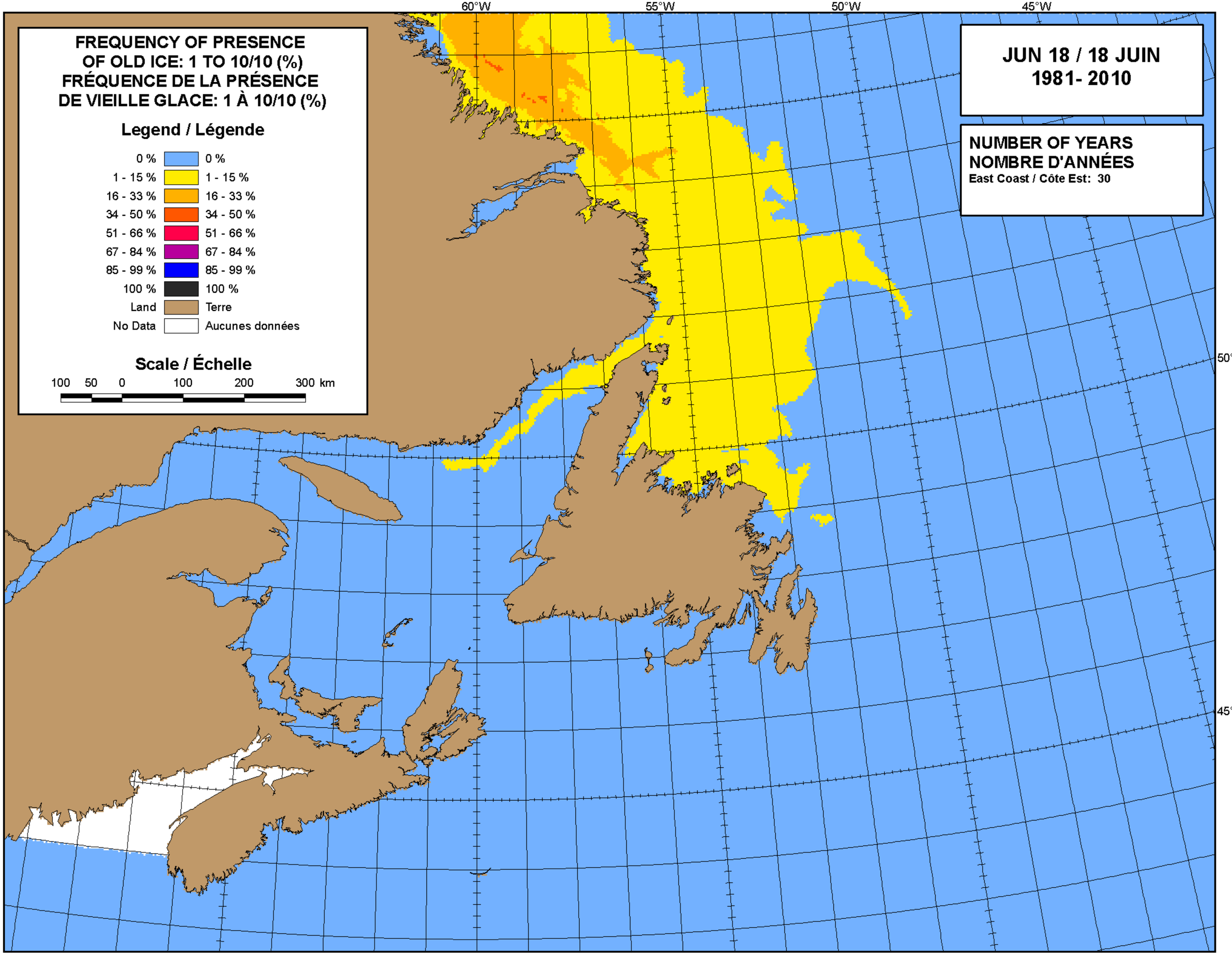
50°W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OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 18 / 18 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
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45°W
50°N
45°N
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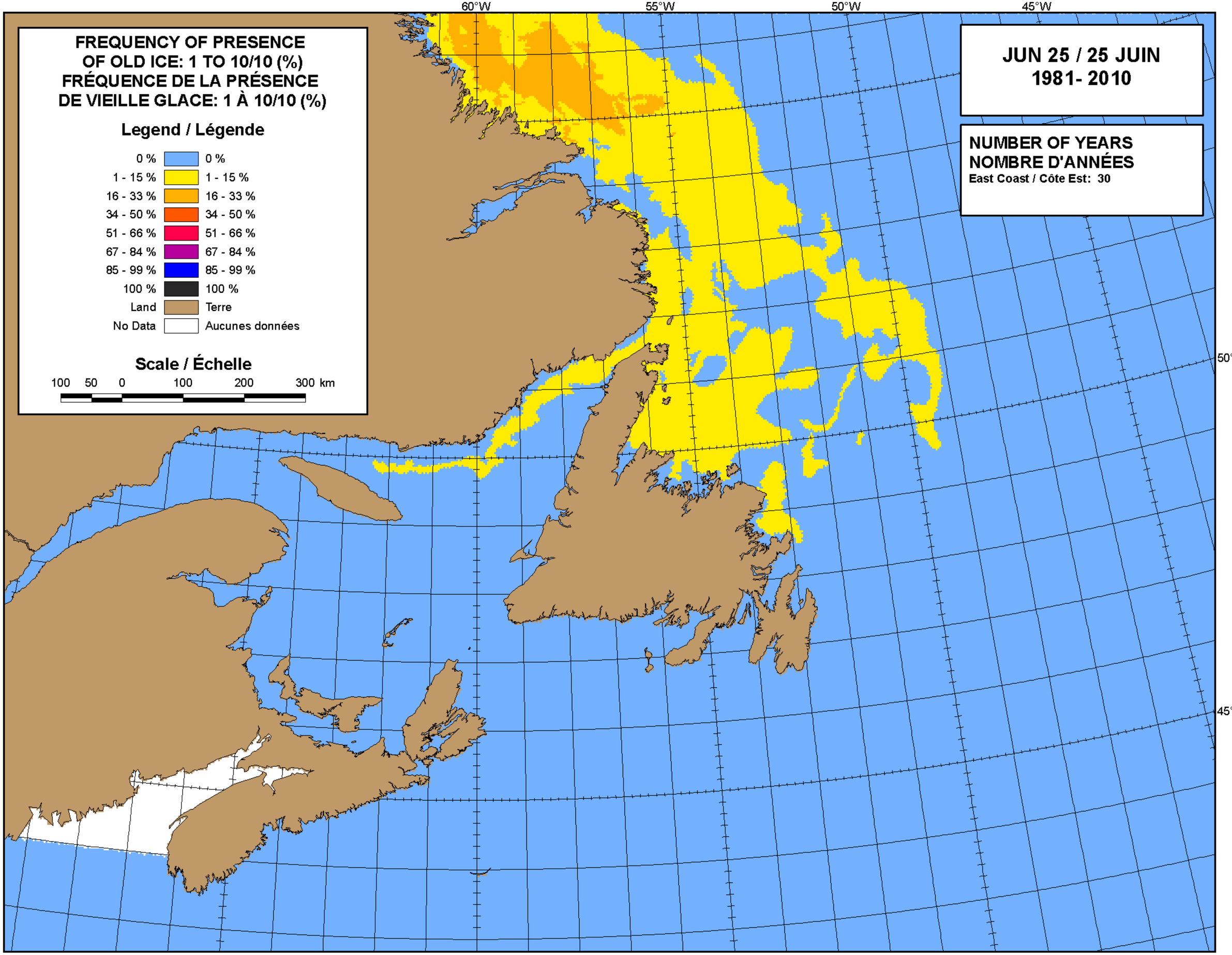
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 25 / 25 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
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45°W
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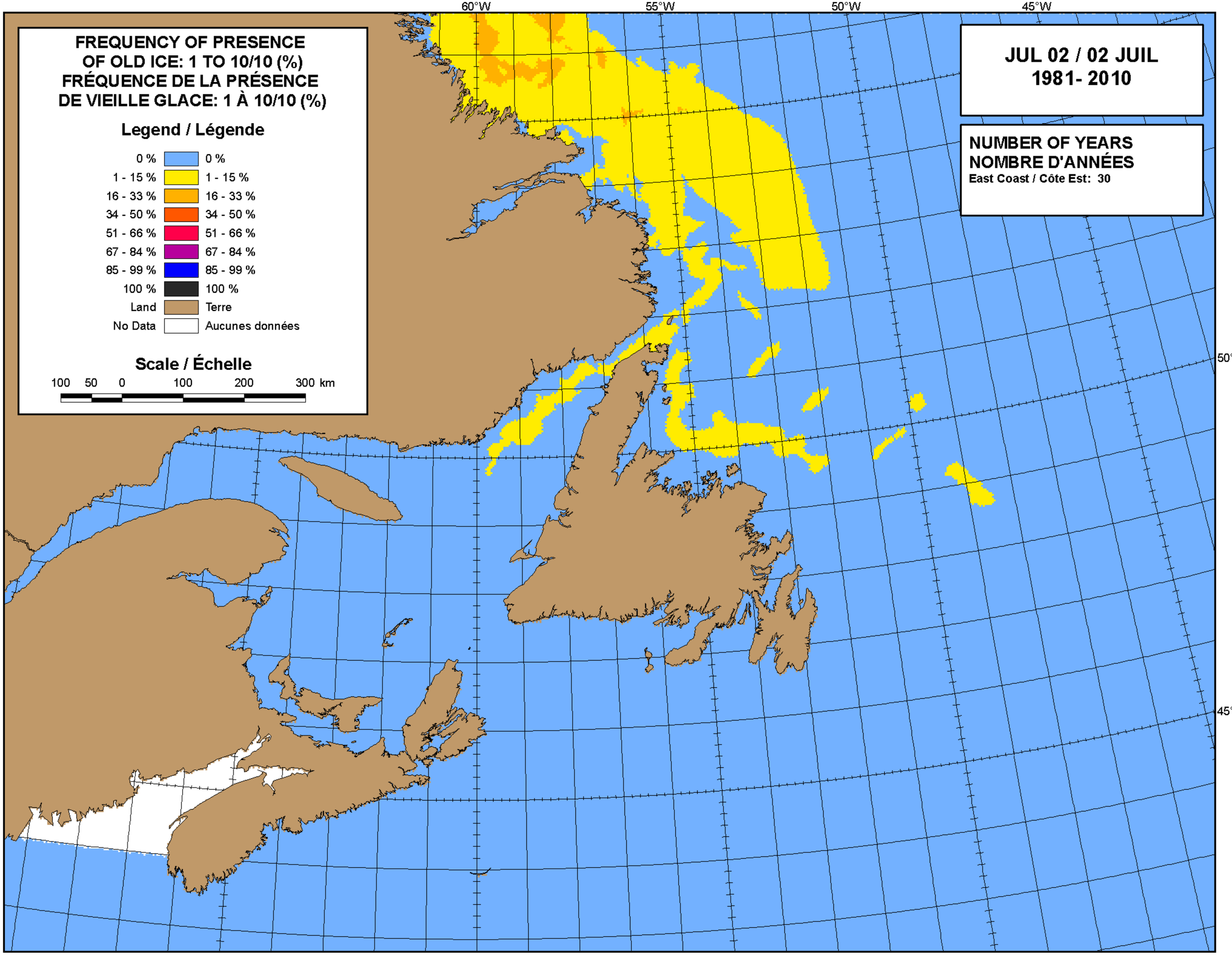
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 02 / 02 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
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50°W
45°W
50°N
45°N
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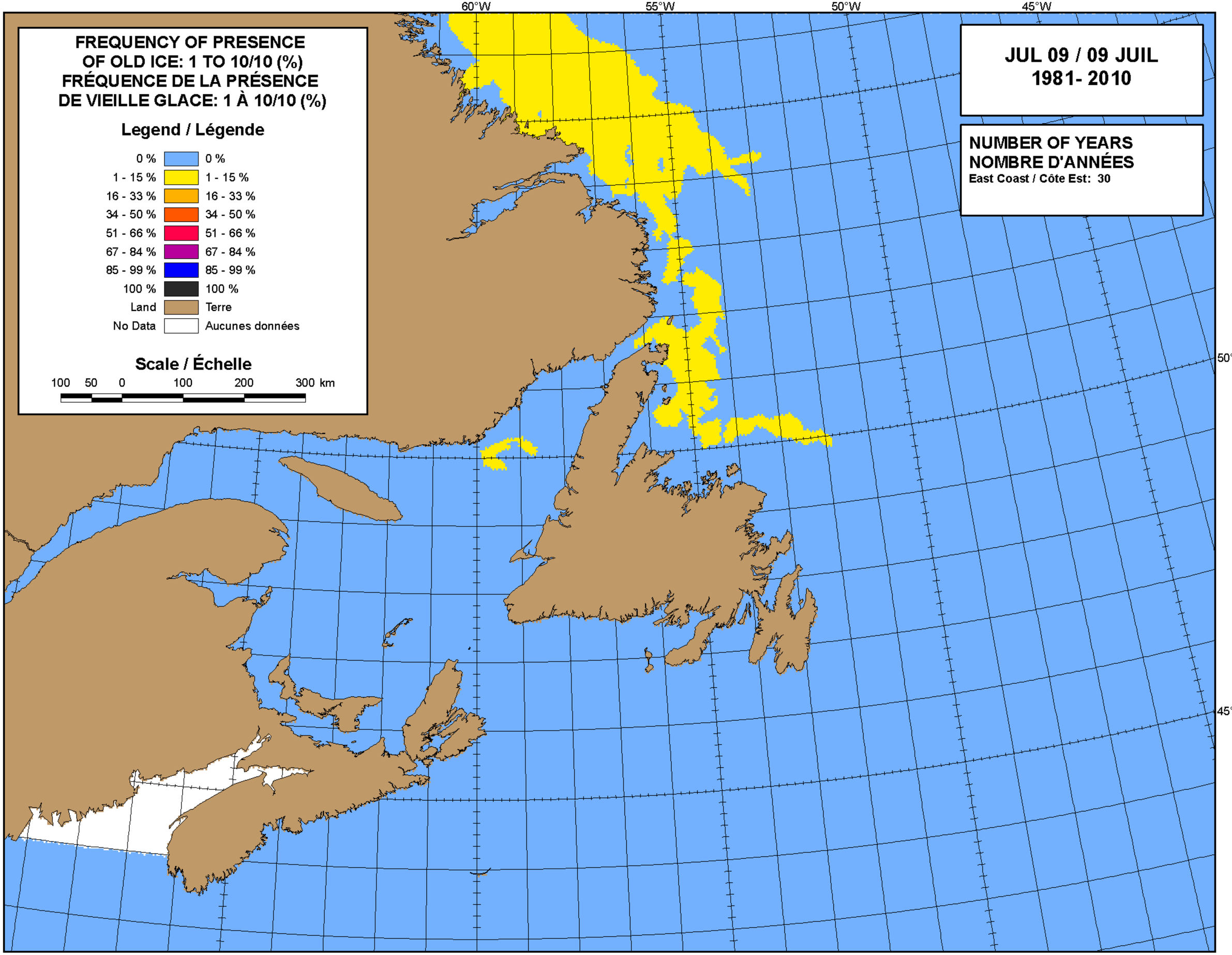
FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
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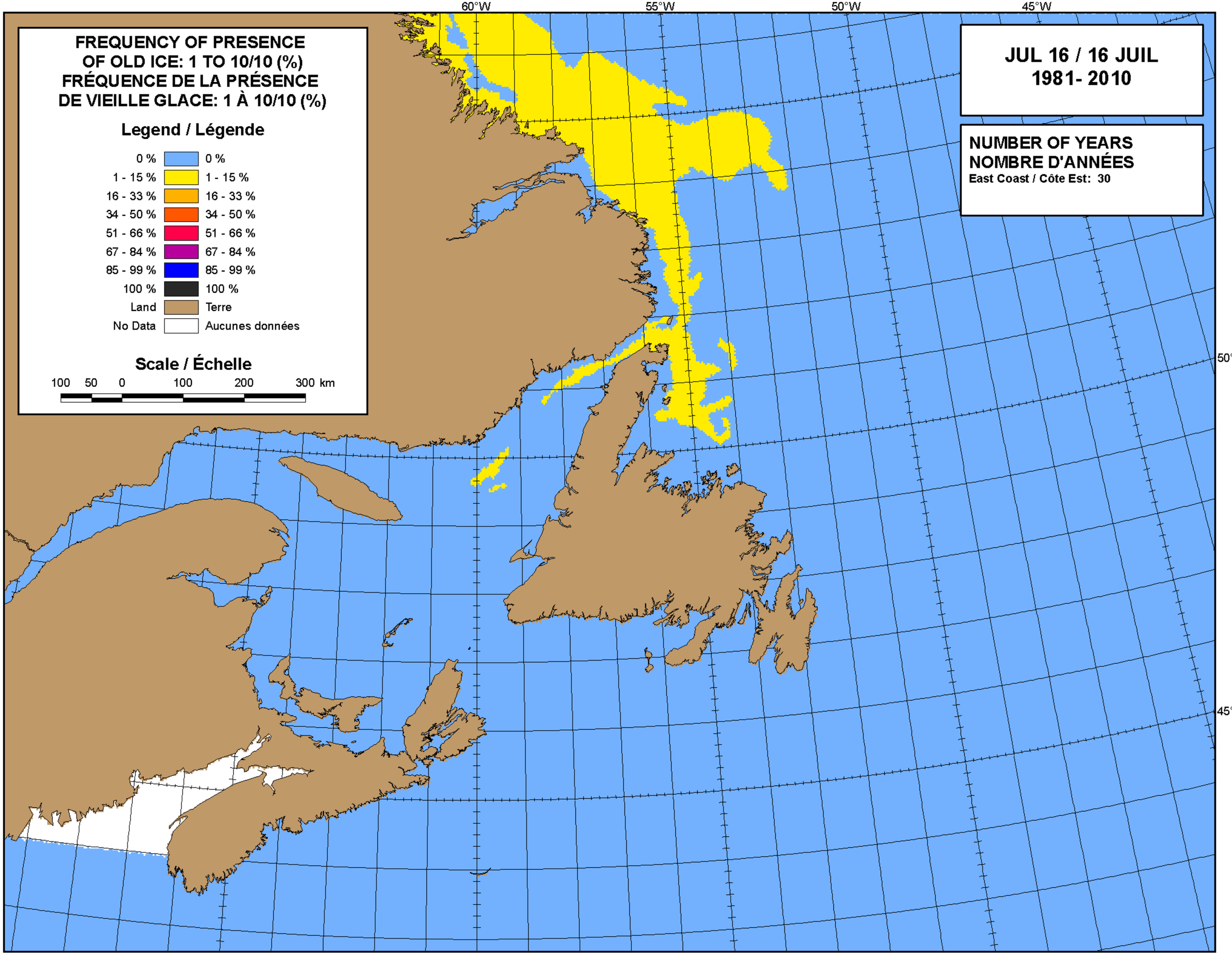
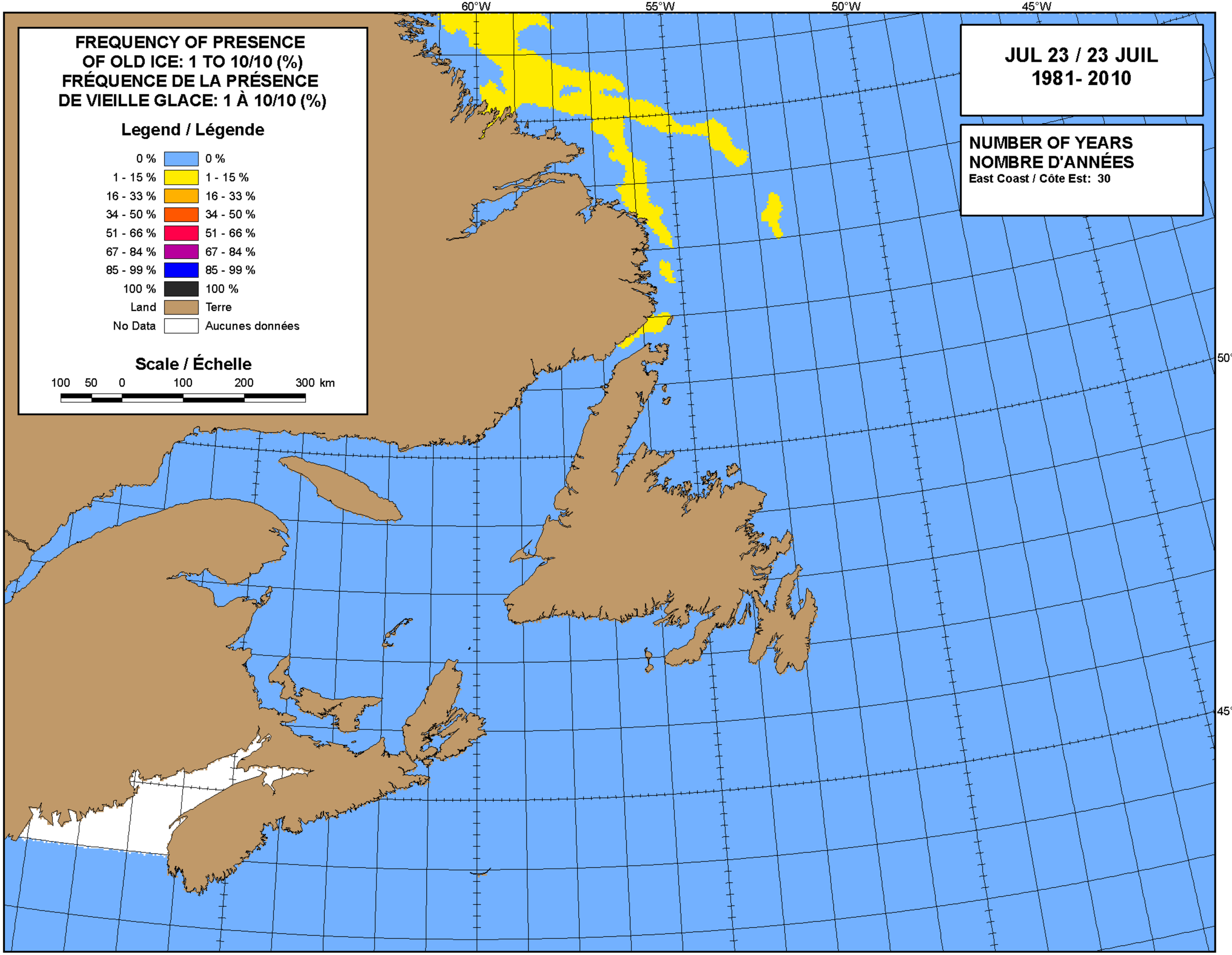
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 09 / 09 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 16 / 16 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 23 / 23 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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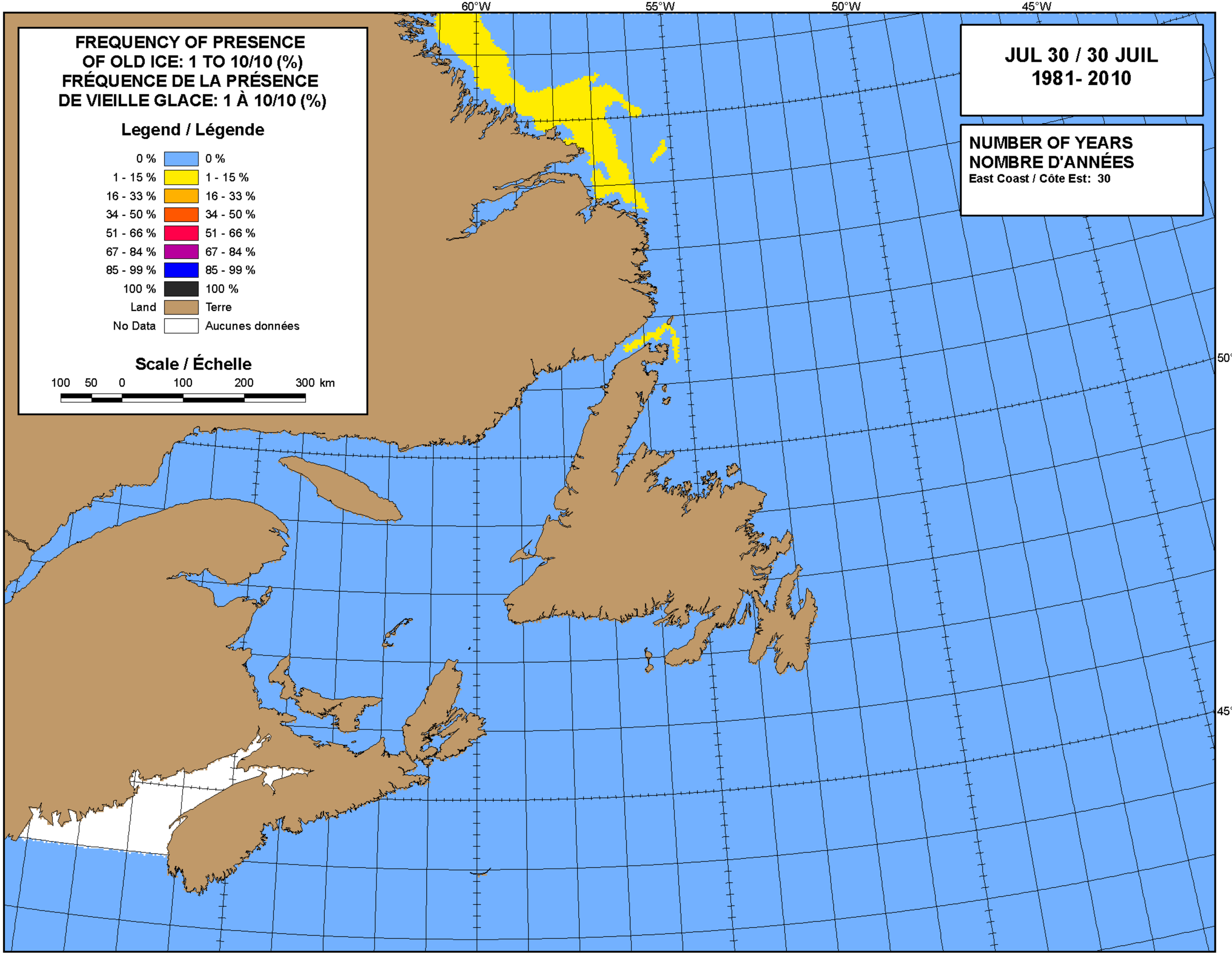
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 30 / 30 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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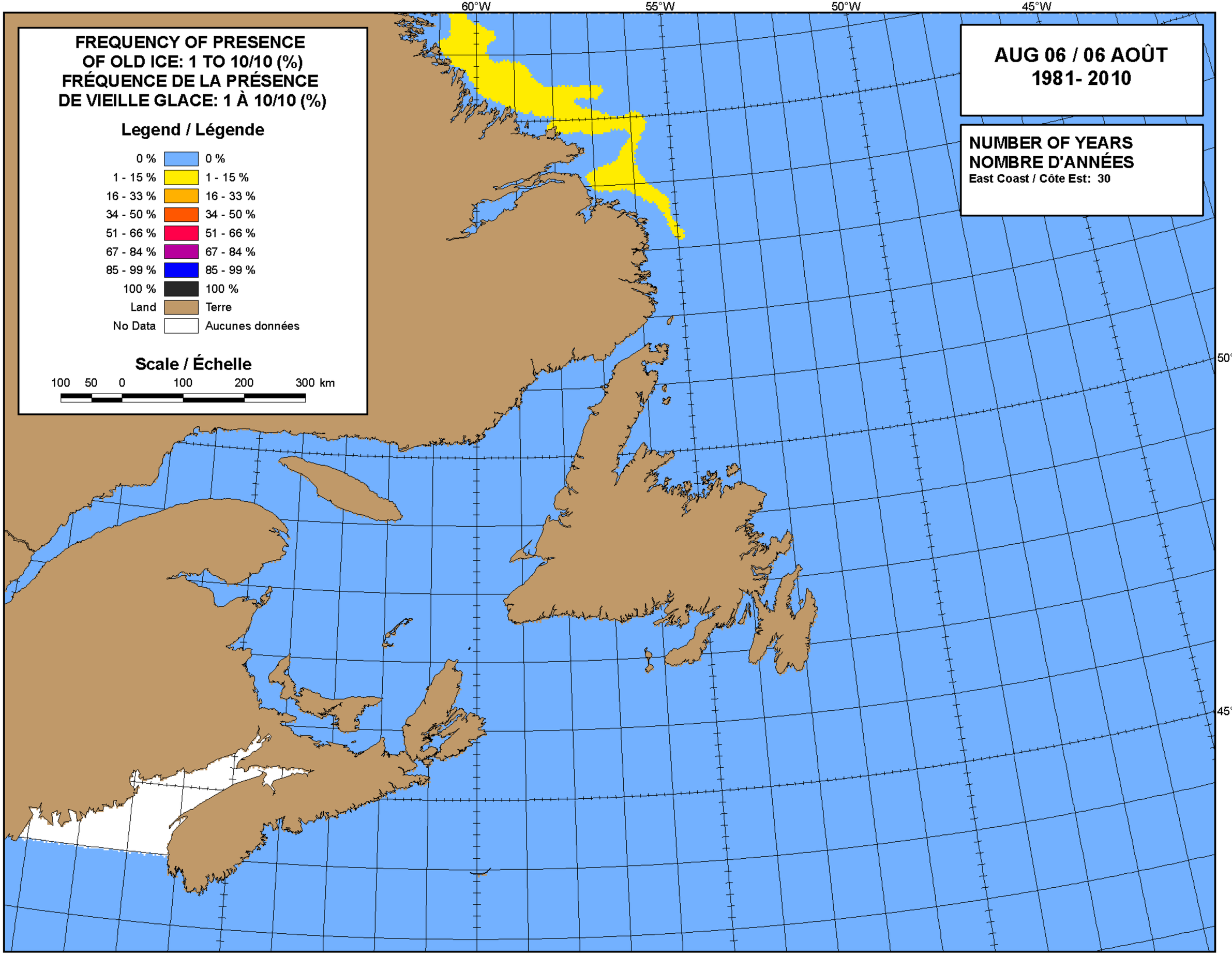
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 06 / 06 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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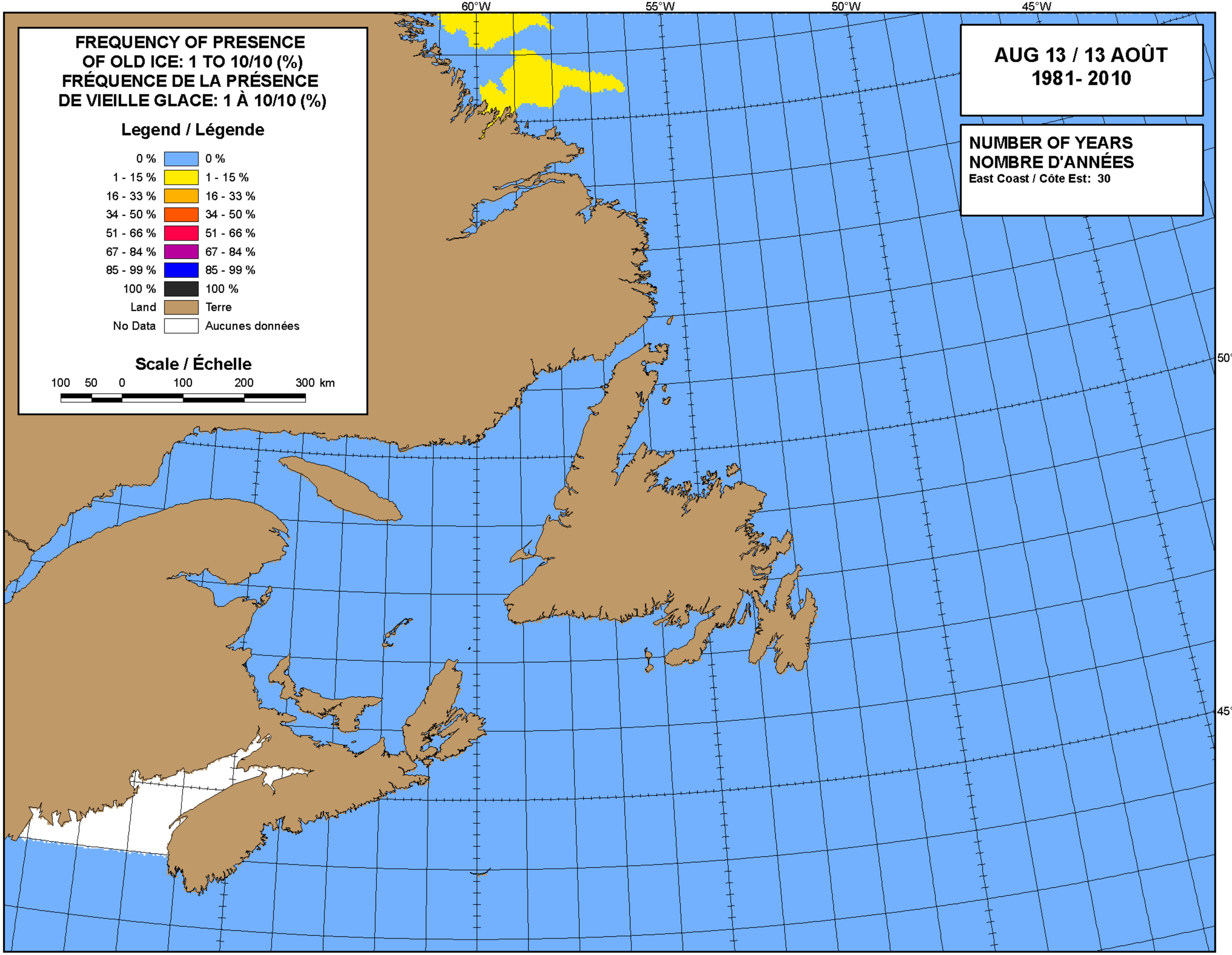
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 13 / 13 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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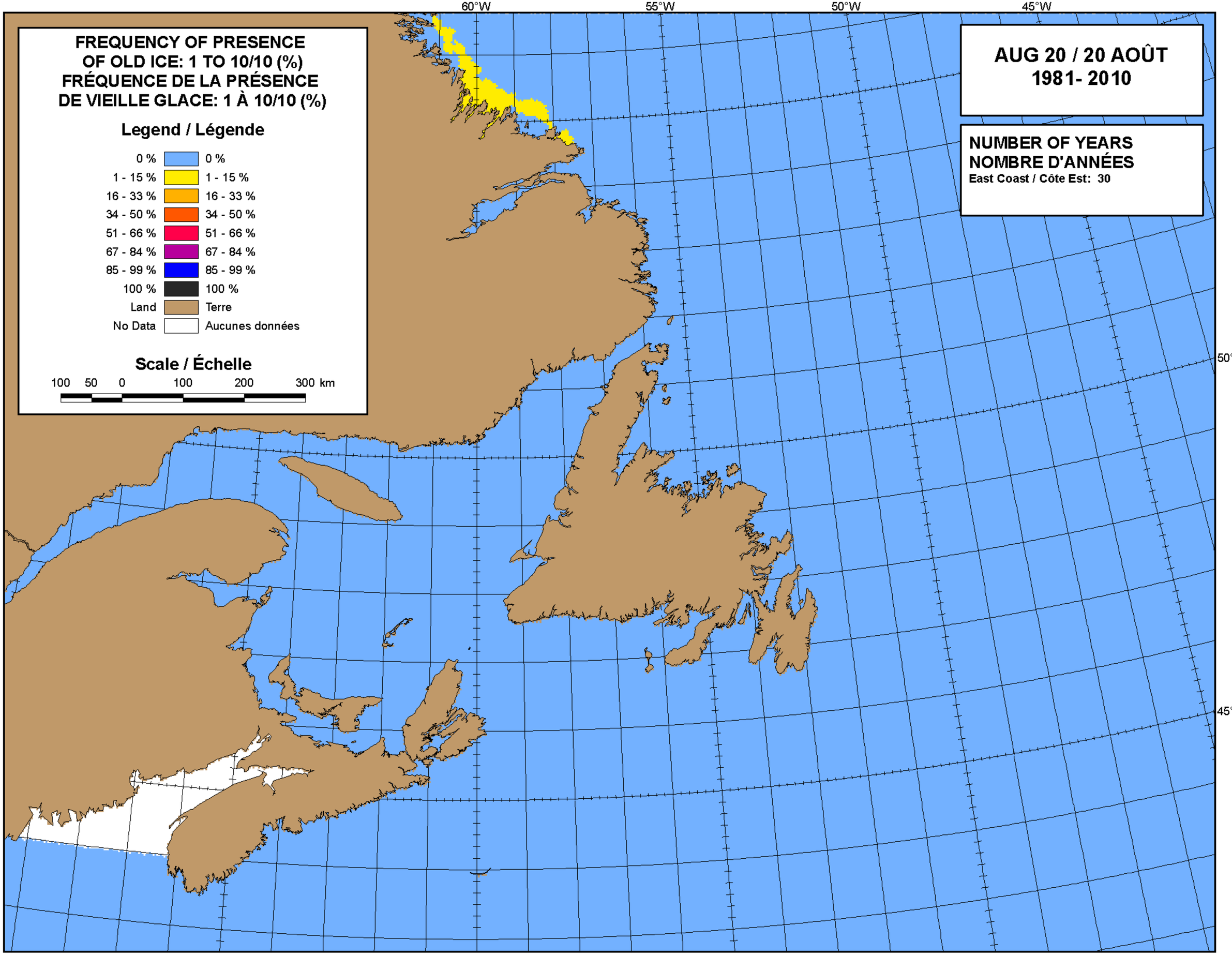
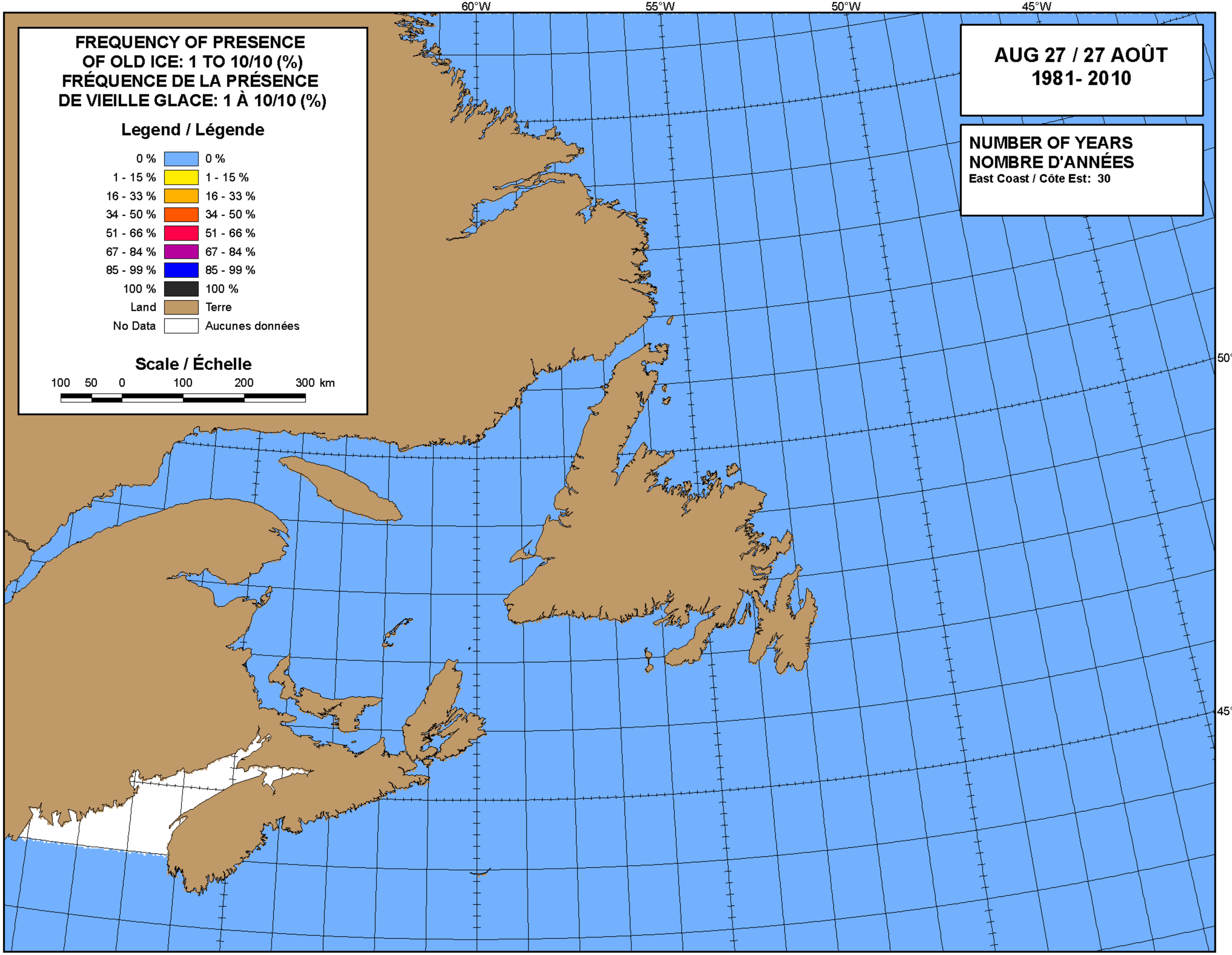
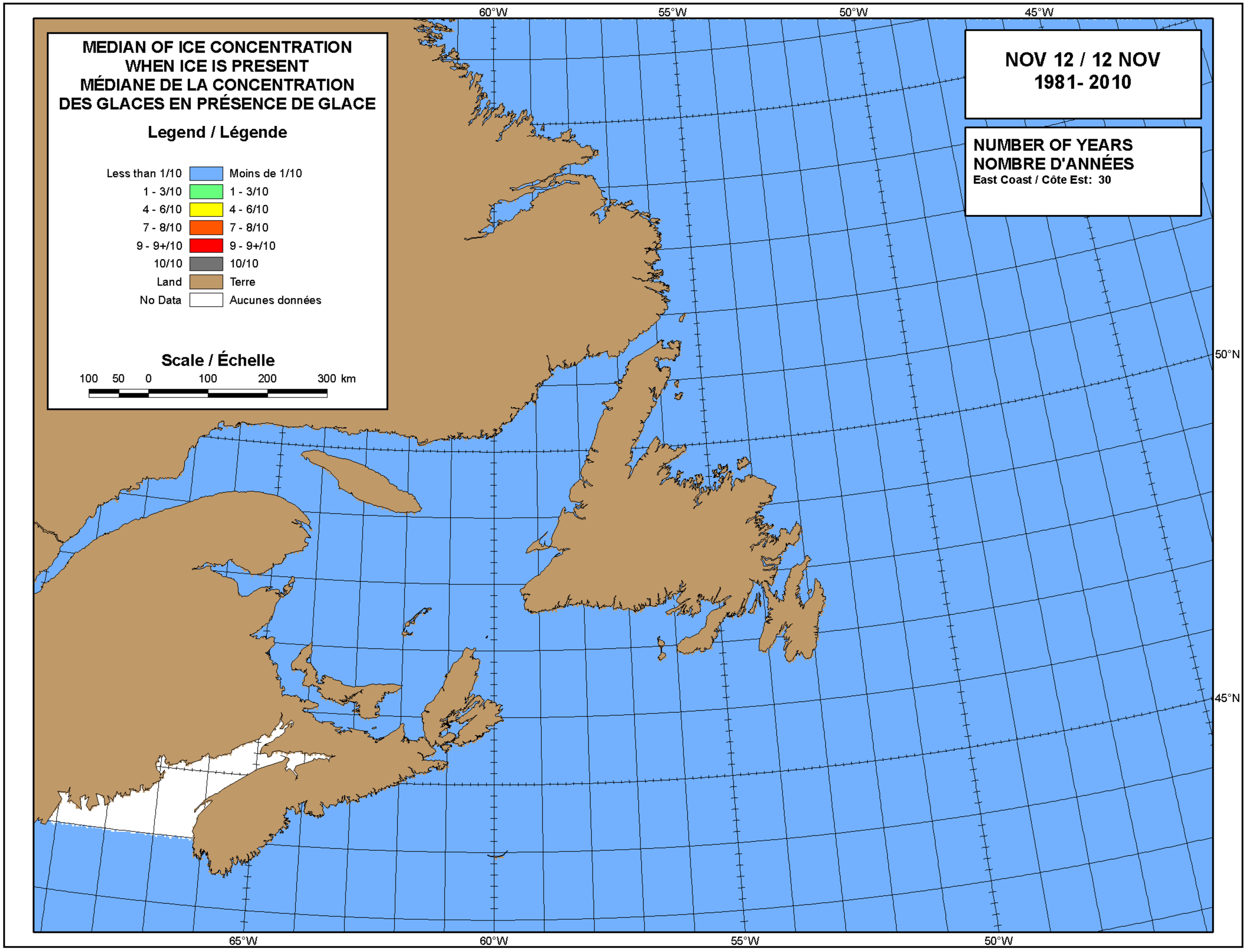
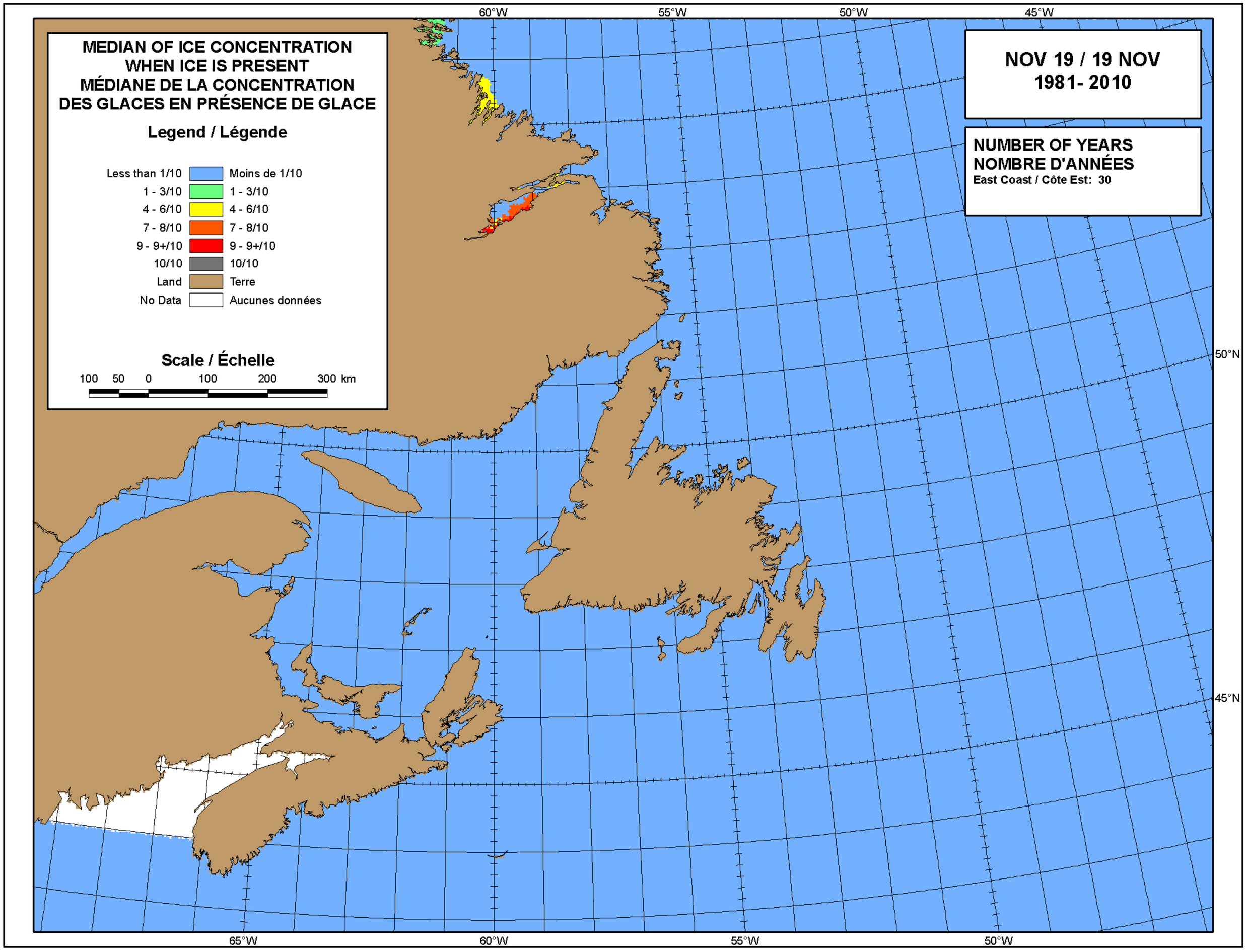
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

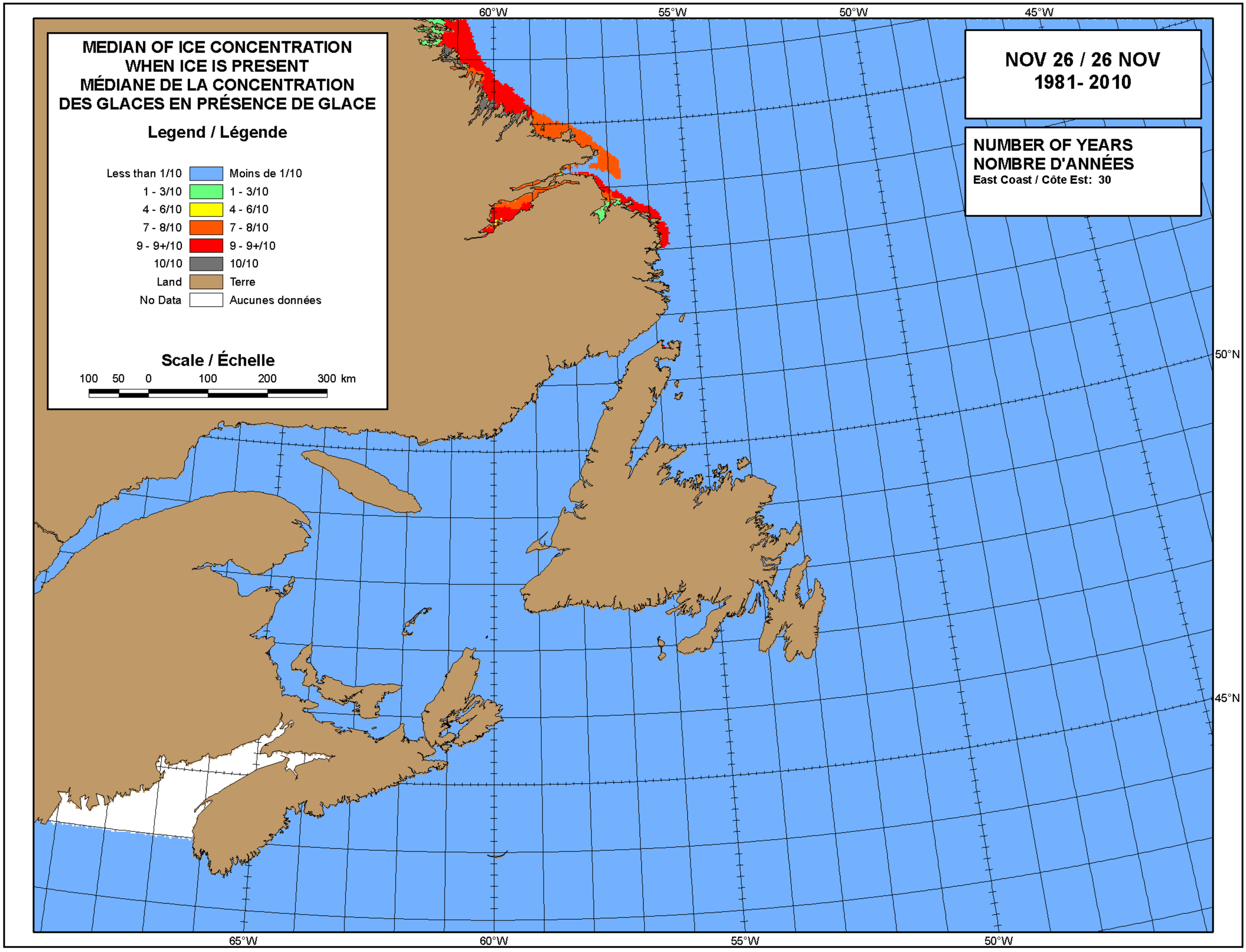

FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 20 / 20 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

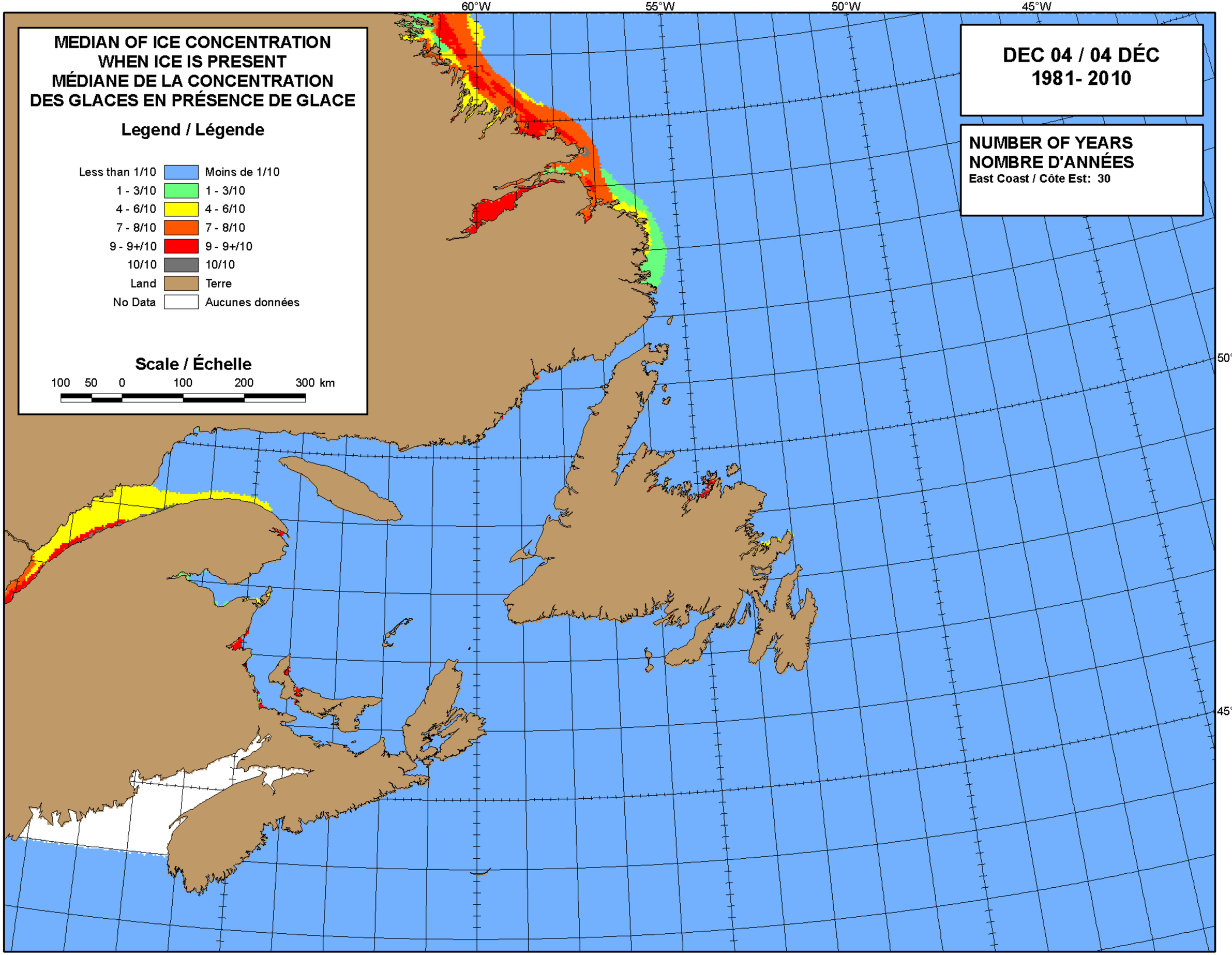

FREQUENCY OF PRESENCE
OF OLD ICE: 1 TO 10/10 (%)
FRÉQUENCE DE LA PRÉSENCE
DE VIEILLE GLACE: 1 À 10/10 (%)
Legend / Légende
0 % 0 %
1 - 15 % 1 - 15 %
16 - 33 % 16 - 33 %
34 - 50 % 34 - 50 %
51 - 66 % 51 - 66 %
67 - 84 % 67 - 84 %
85 - 99 % 85 - 99 %
100 % 100 %
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 27 / 27 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

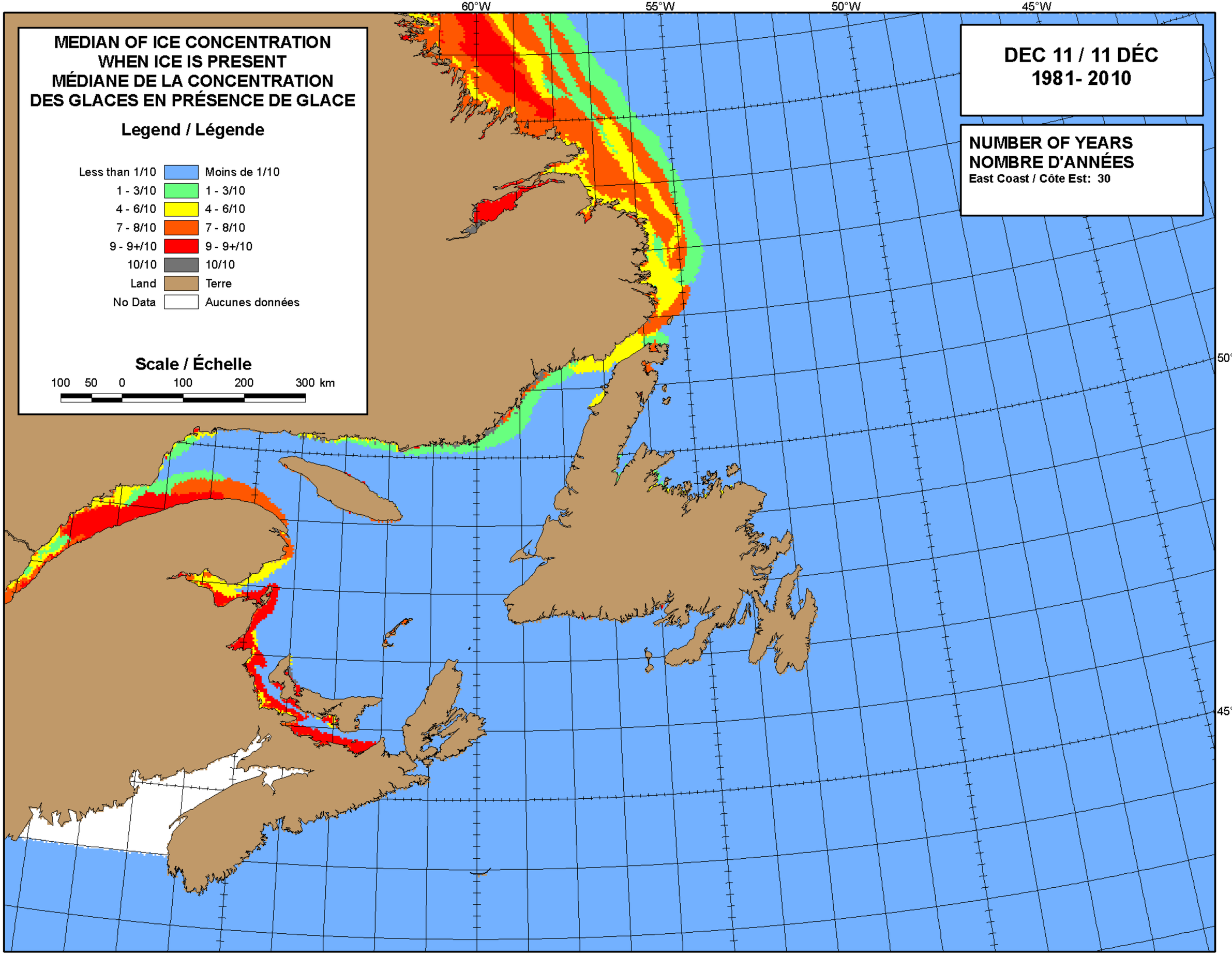
30-Year Median of Ice Concentration When Ice is Present Charts


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
NOV 12 / 12 NOV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10
Moins de 1/10
1 - 3/10
1 - 3/10
4 - 6/10
4 - 6/10
7 - 8/10
7 - 8/10
9 - 9+/10
9 - 9+/10
10/10
10/10
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
NOV 19 / 19 NOV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
NOV 26 / 26 NOV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 04 / 04 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10
Moins de 1/10
1 - 3/10
1 - 3/10
4 - 6/10
4 - 6/10
7 - 8/10
7 - 8/10
9 - 9+/10
9 - 9+/10
10/10
10/10
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 11 / 11 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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55°W
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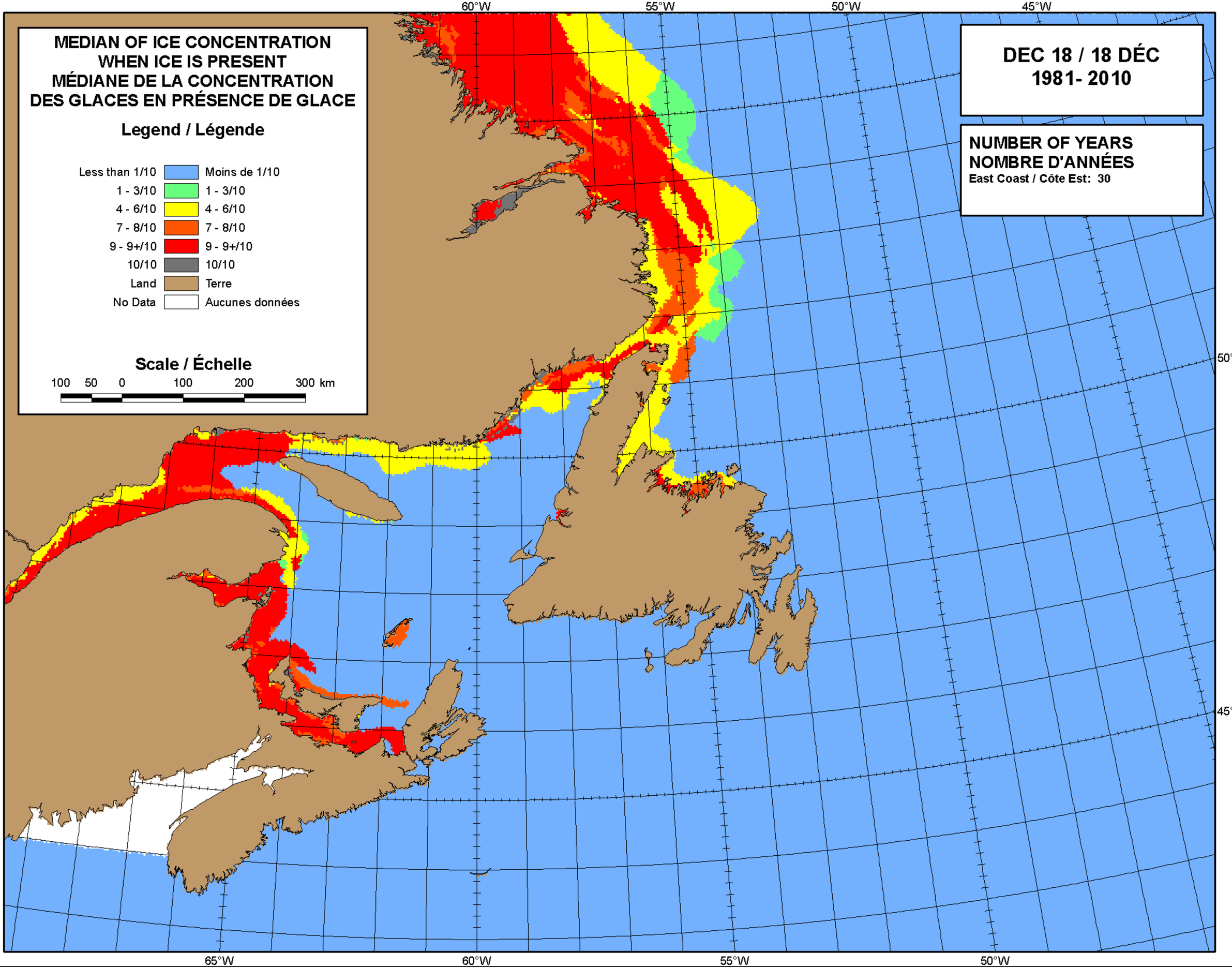
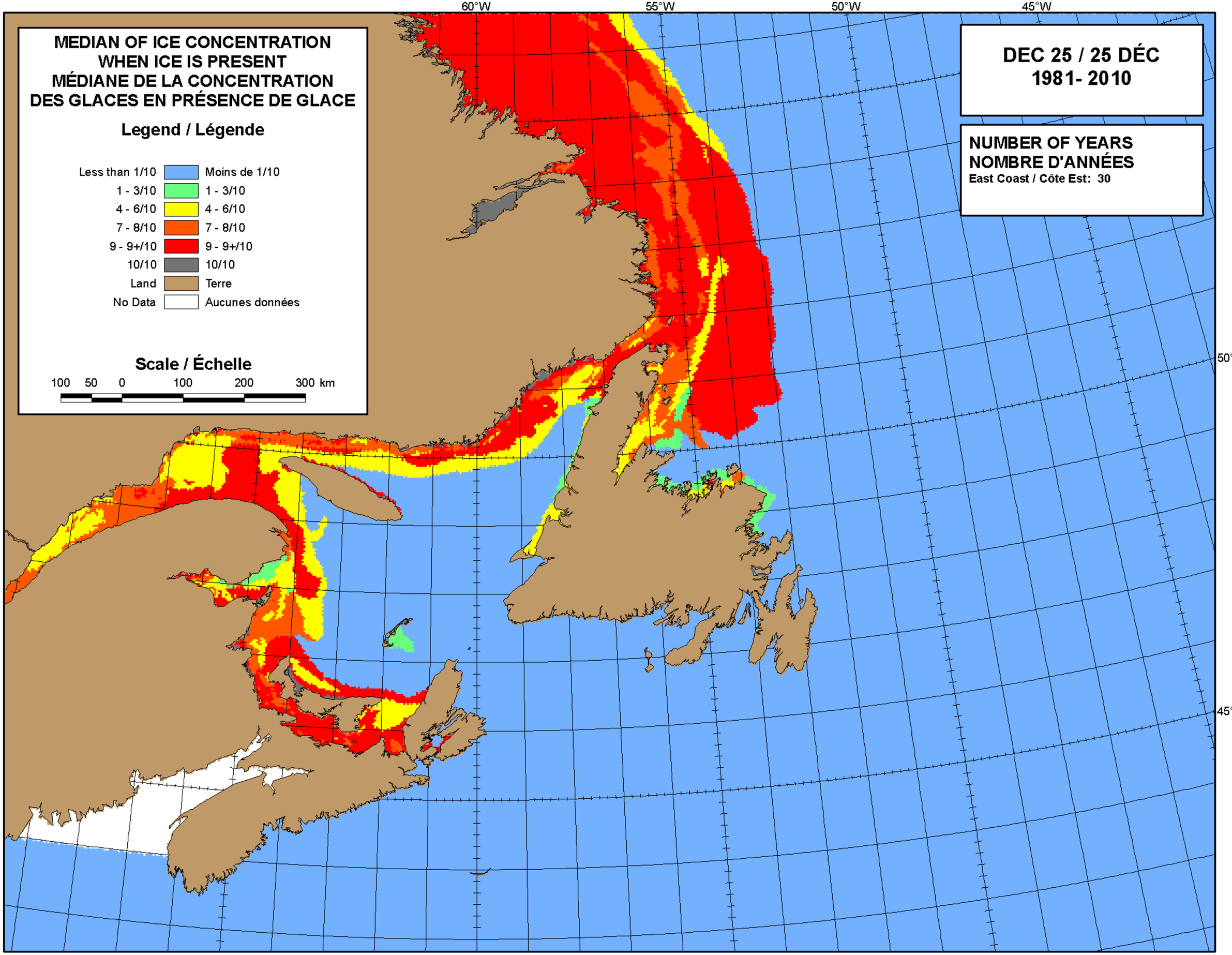
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 18 / 18 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
DEC 25 / 25 DÉC
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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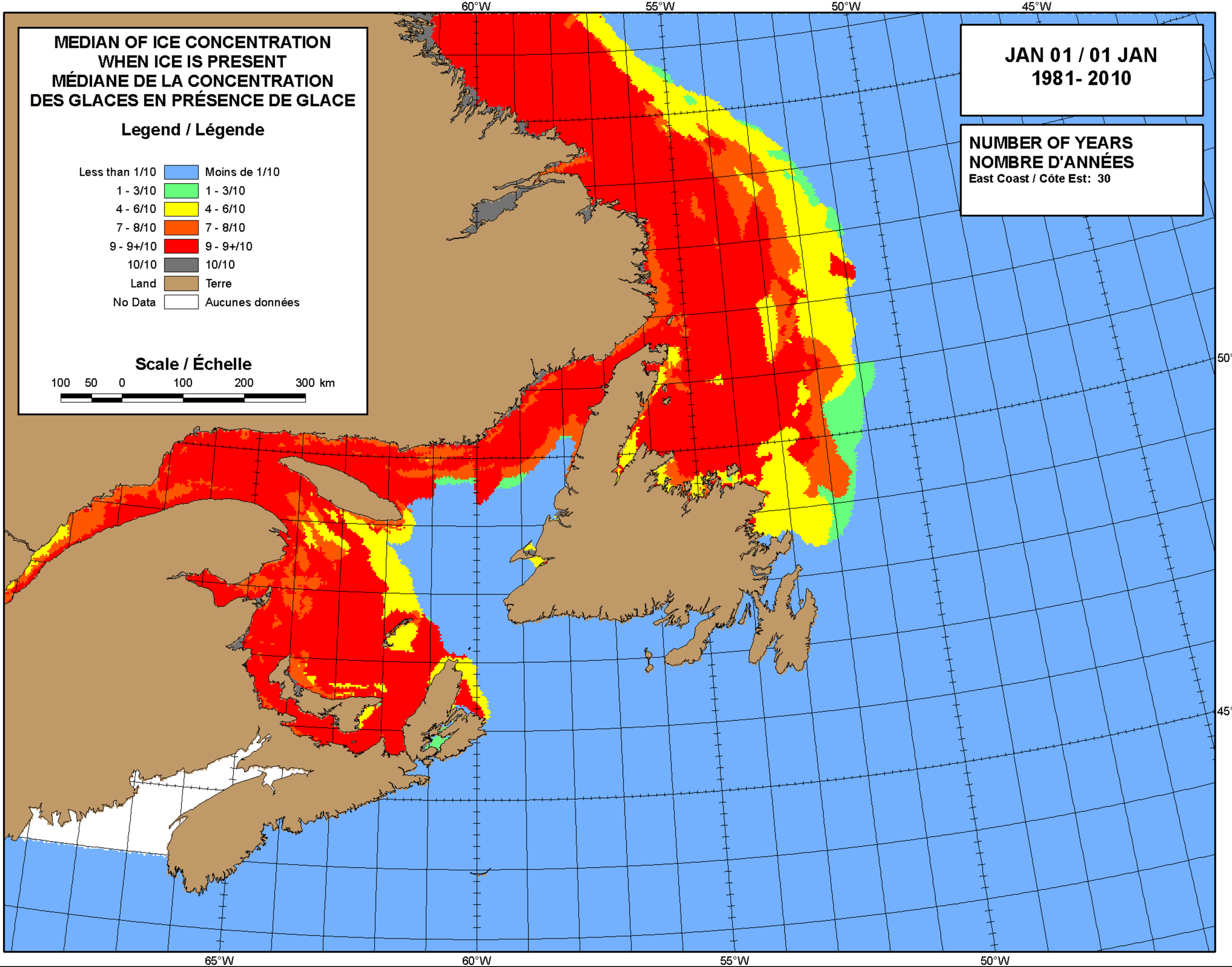
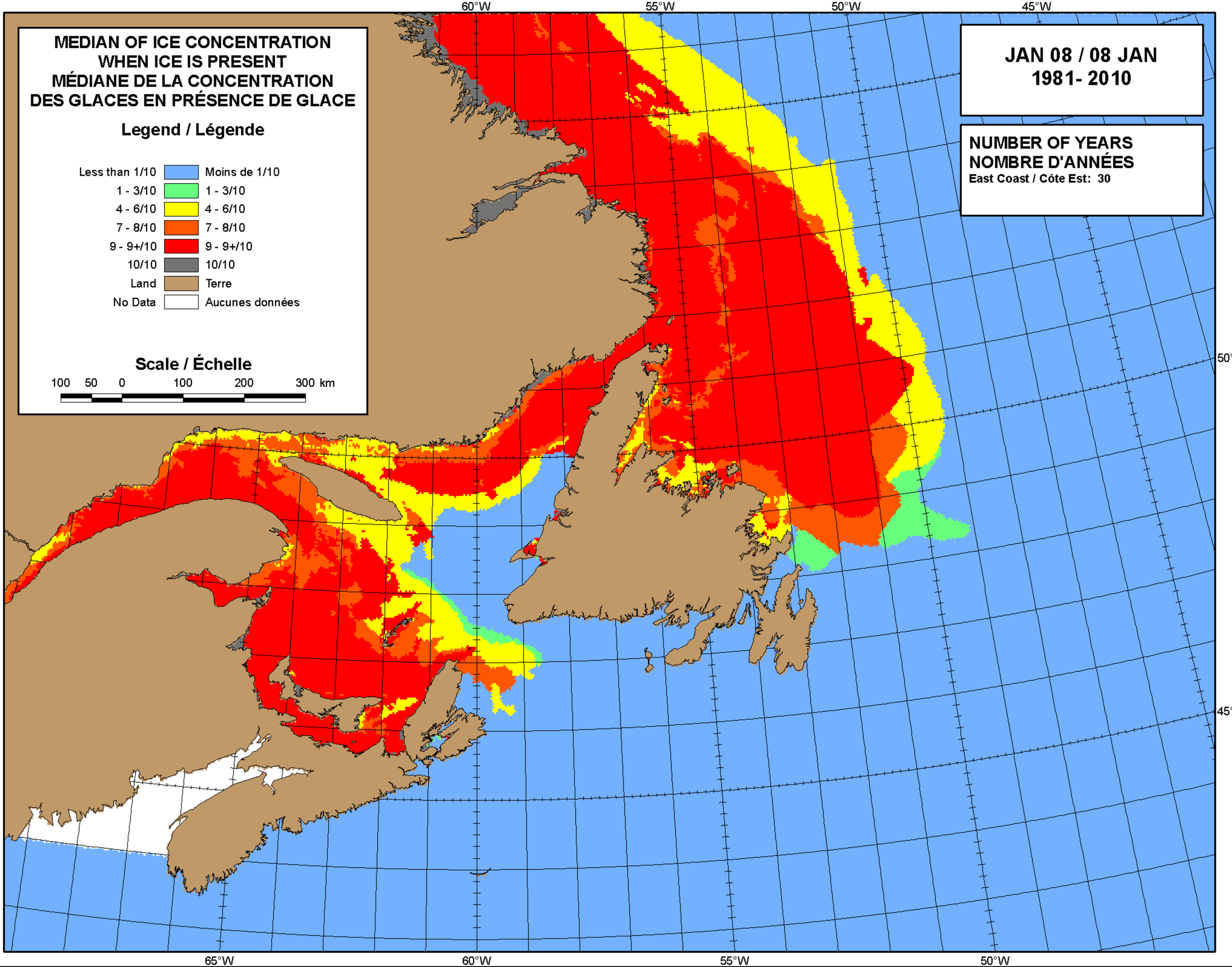
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10
Moins de 1/10
1 - 3/10
1 - 3/10
4 - 6/10
4 - 6/10
7 - 8/10
7 - 8/10
9 - 9+/10
9 - 9+/10
10/10
10/10
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 01 / 01 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10
Moins de 1/10
1 - 3/10
1 - 3/10
4 - 6/10
4 - 6/10
7 - 8/10
7 - 8/10
9 - 9+/10
9 - 9+/10
10/10
10/10
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 08 / 08 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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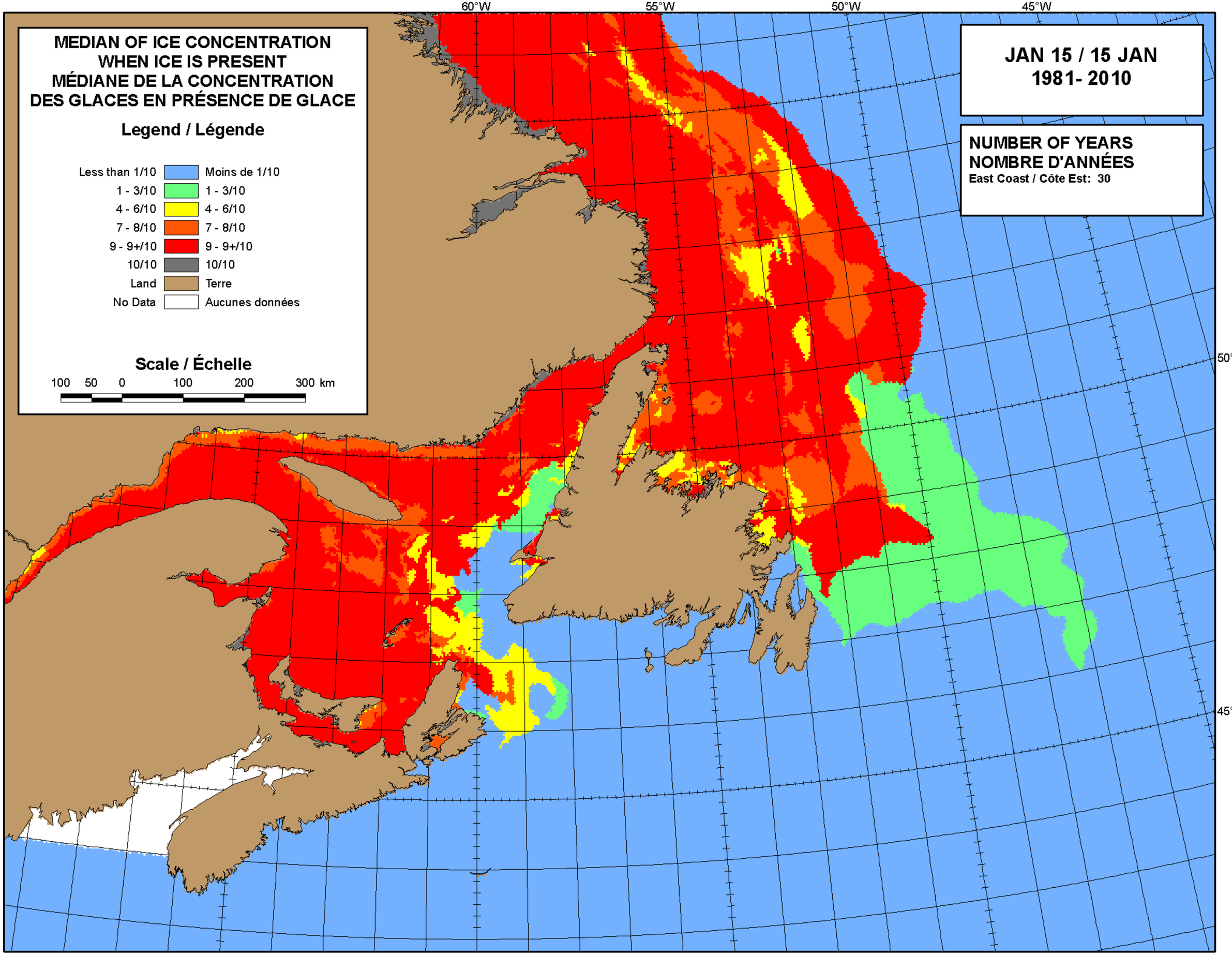
MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 15 / 15 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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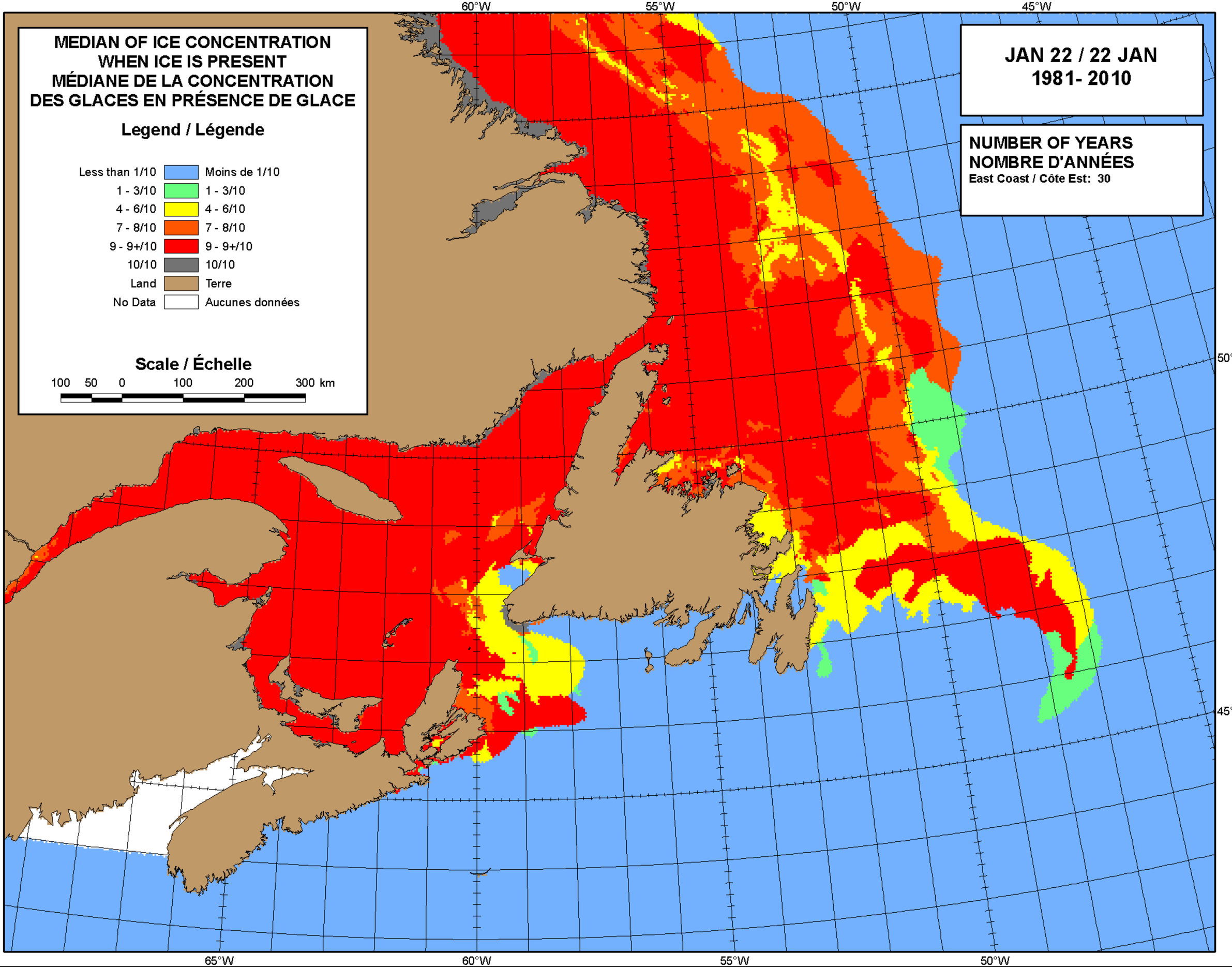
MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 22 / 22 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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50°W
45°W
50°N
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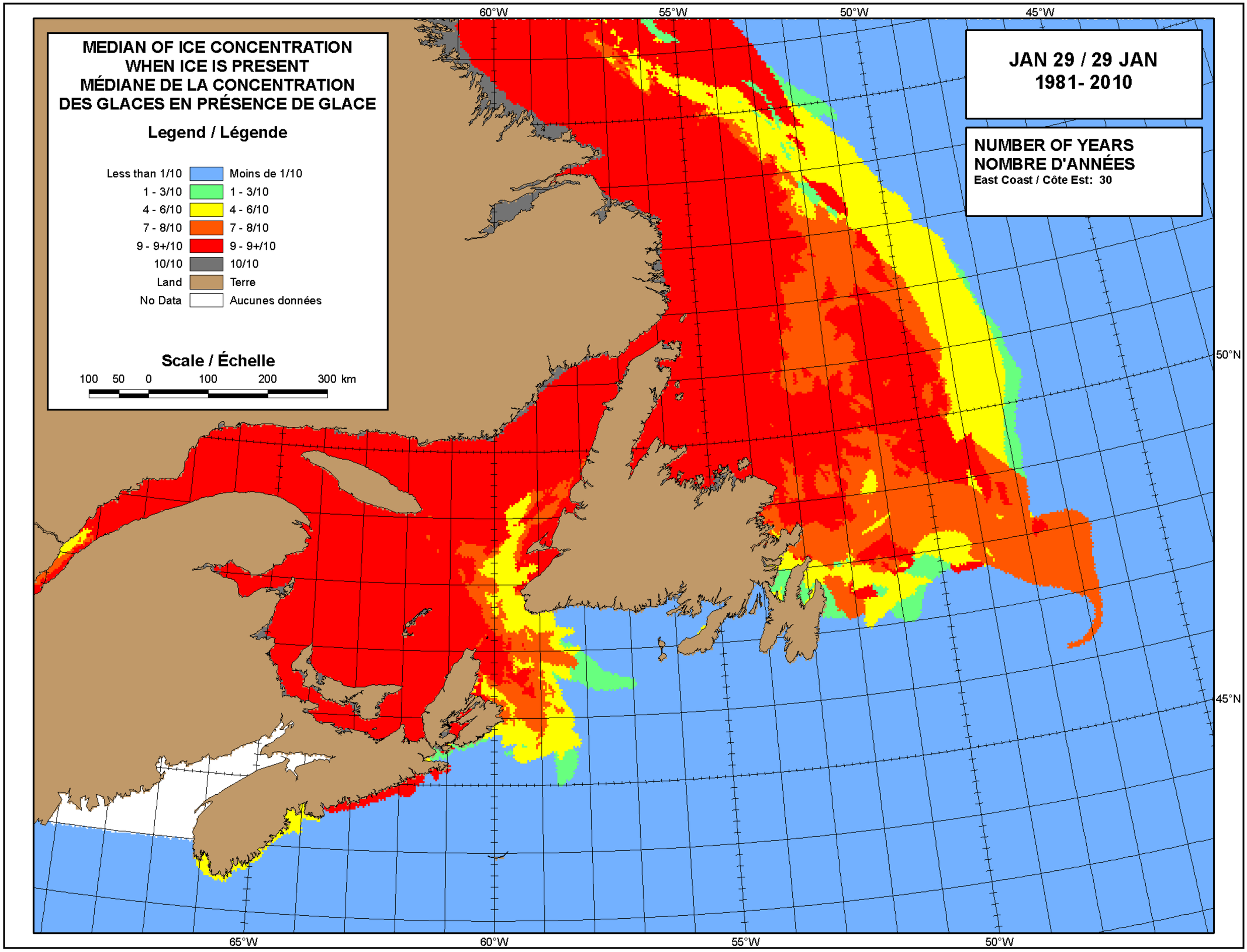
MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JAN 29 / 29 JAN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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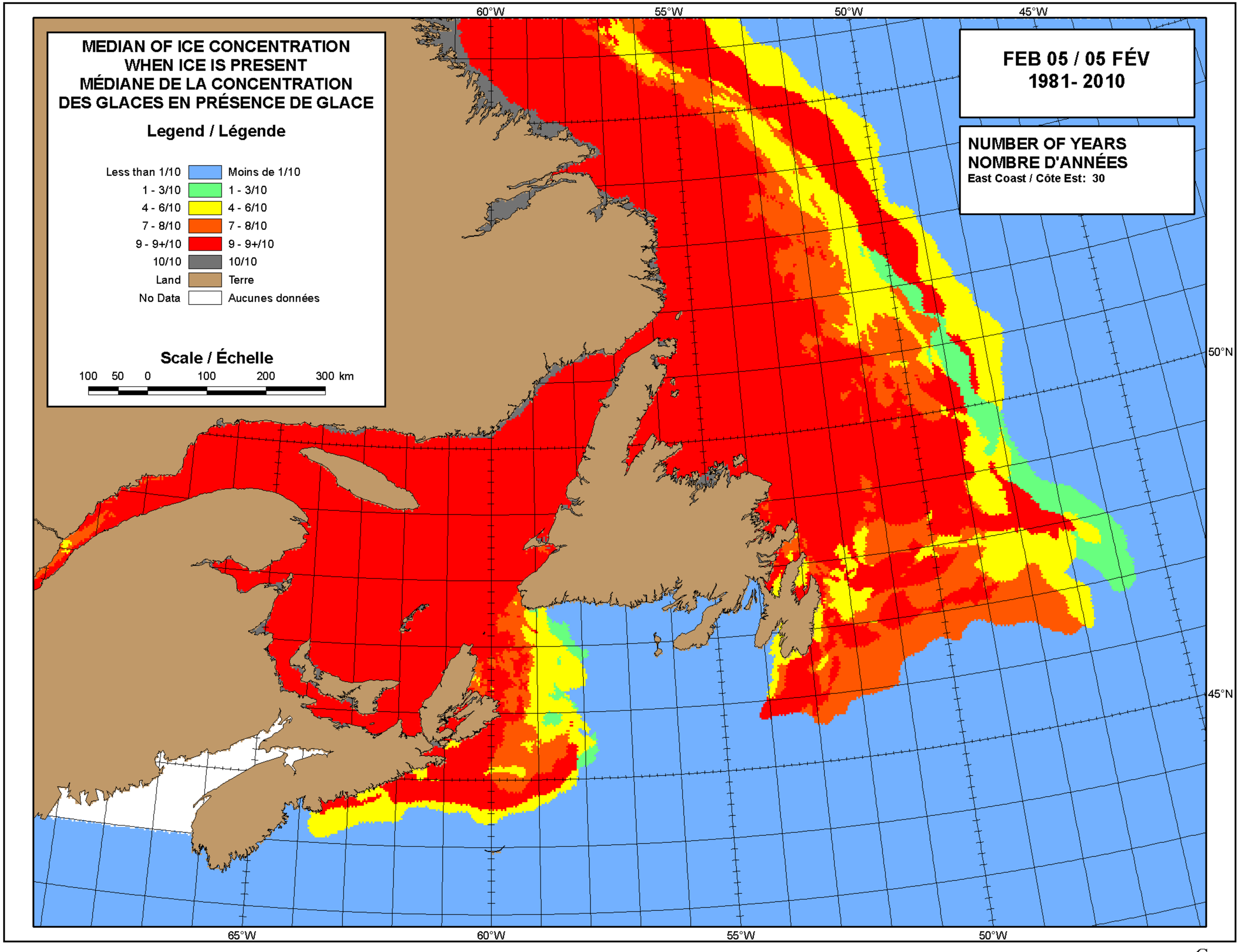
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10
Moins de 1/10
1 - 3/10
1 - 3/10
4 - 6/10
4 - 6/10
7 - 8/10
7 - 8/10
9 - 9+/10
9 - 9+/10
10/10
10/10
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 05 / 05 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
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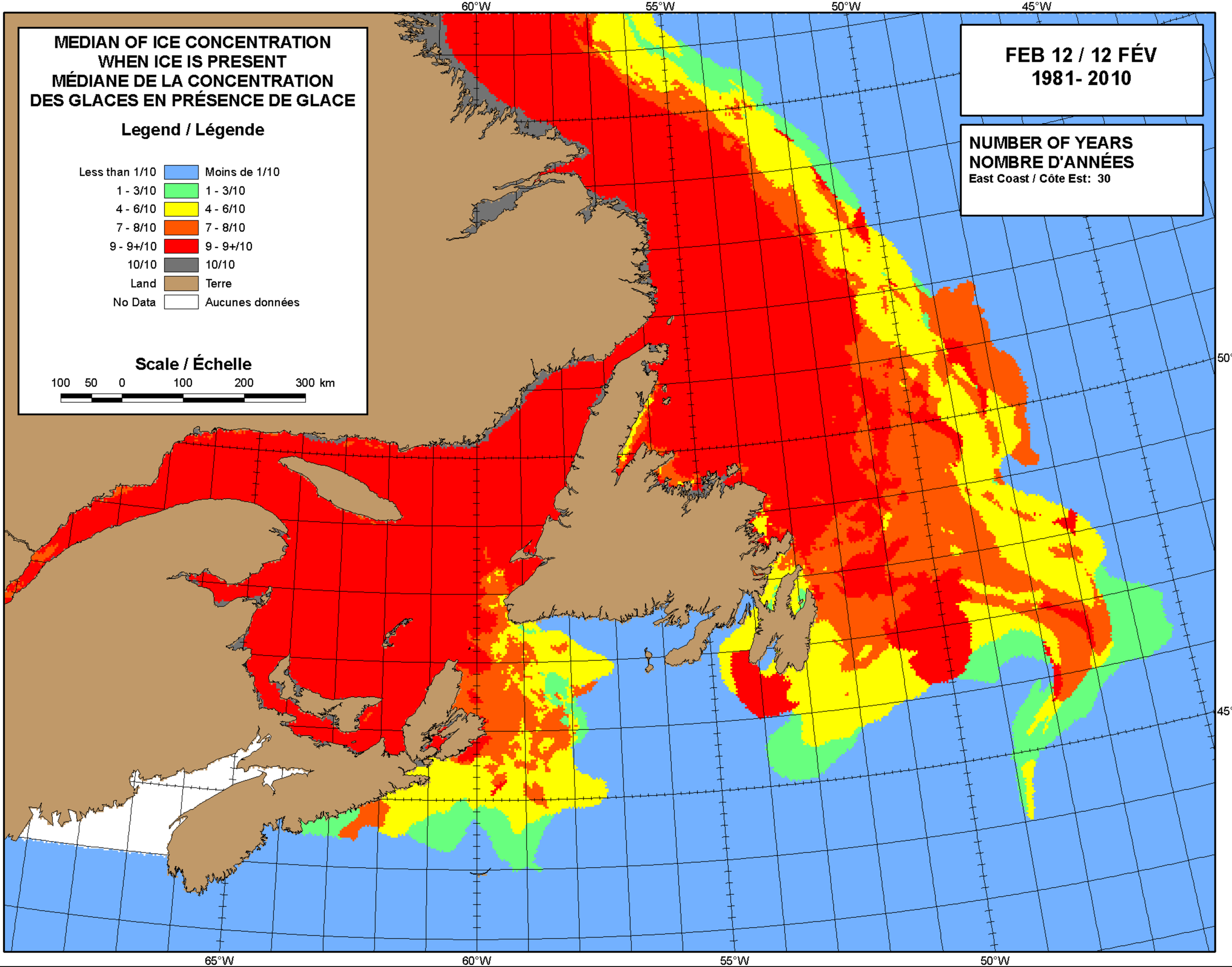
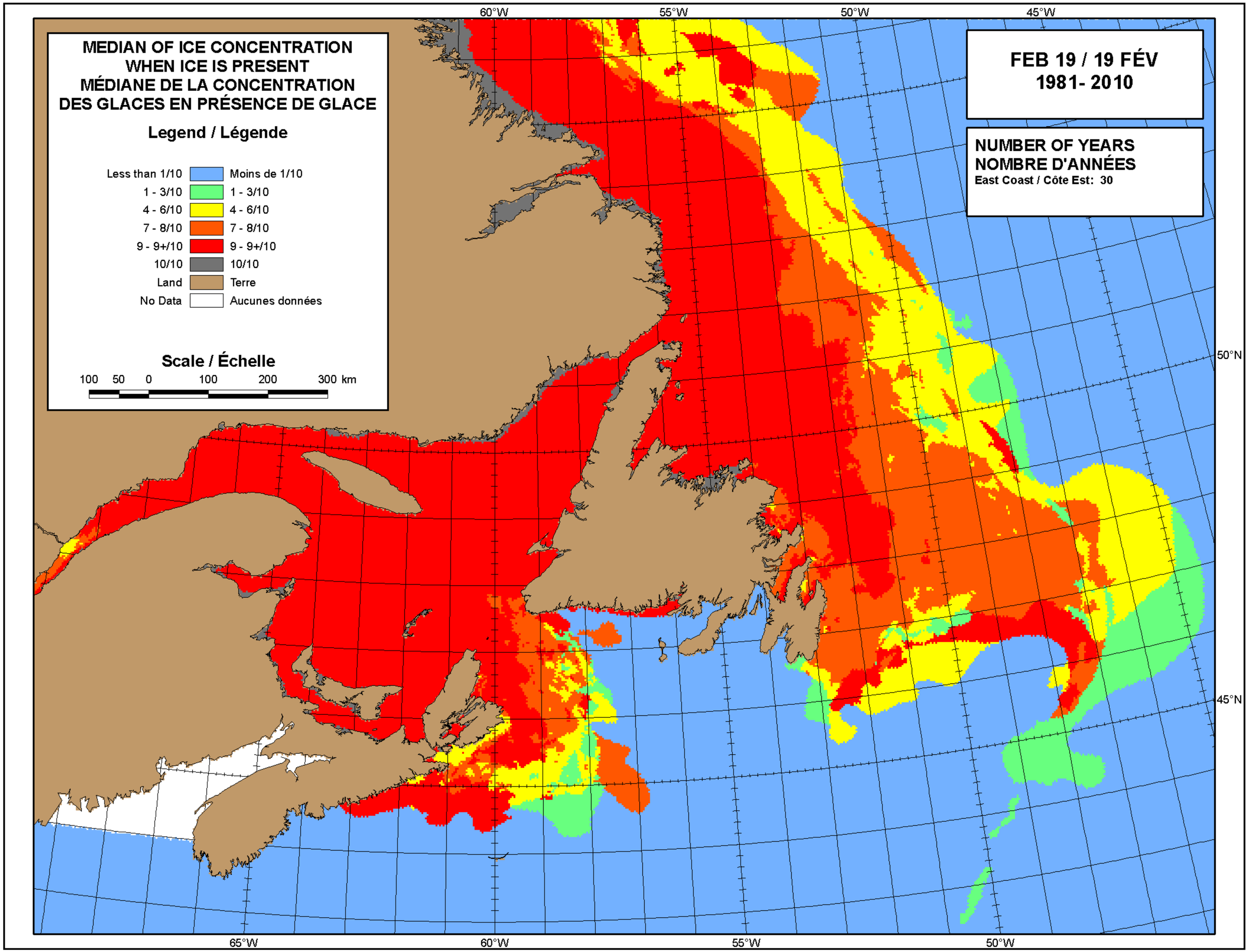
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 12 / 12 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 19 / 19 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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45°N
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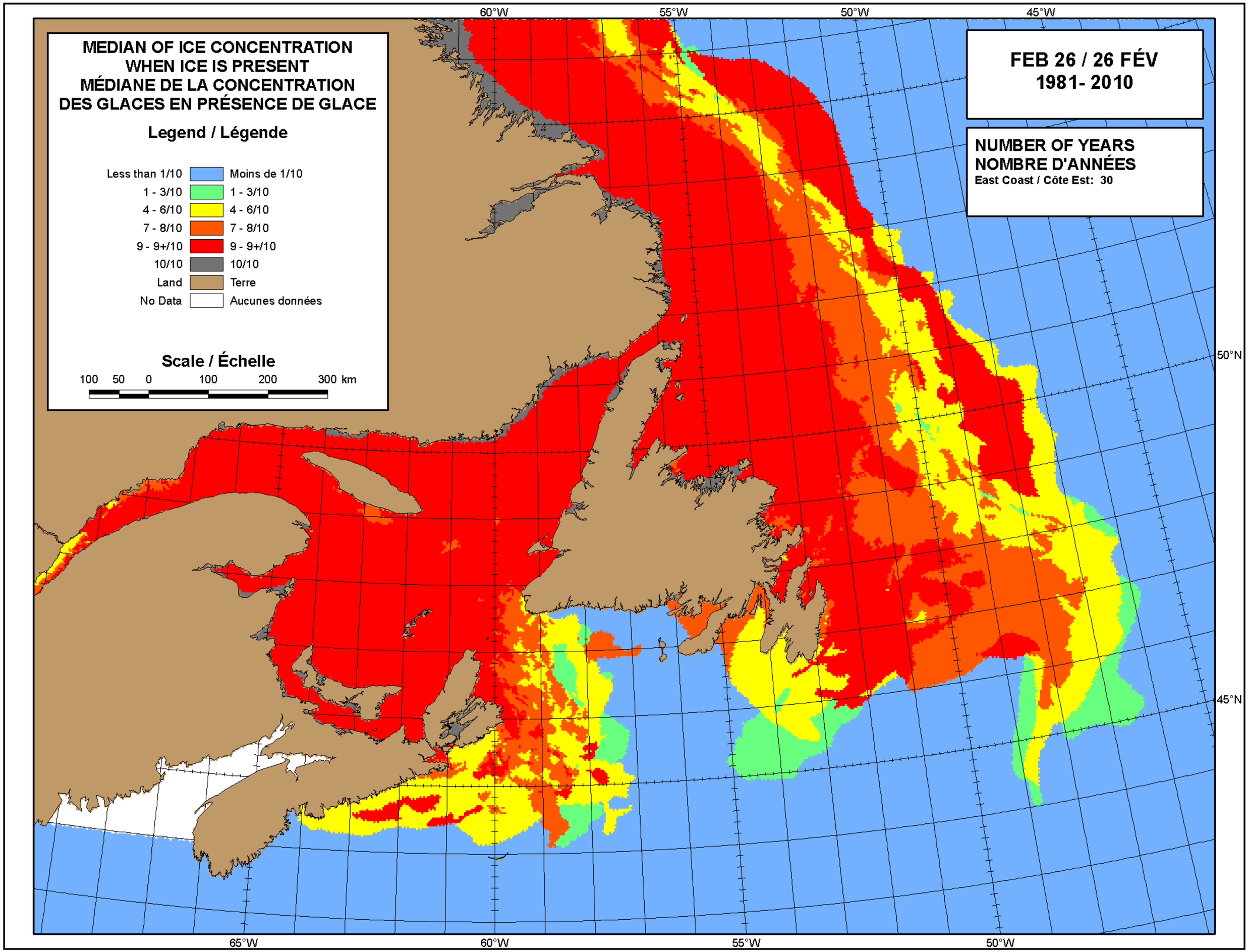
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
FEB 26 / 26 FÉV
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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45°N
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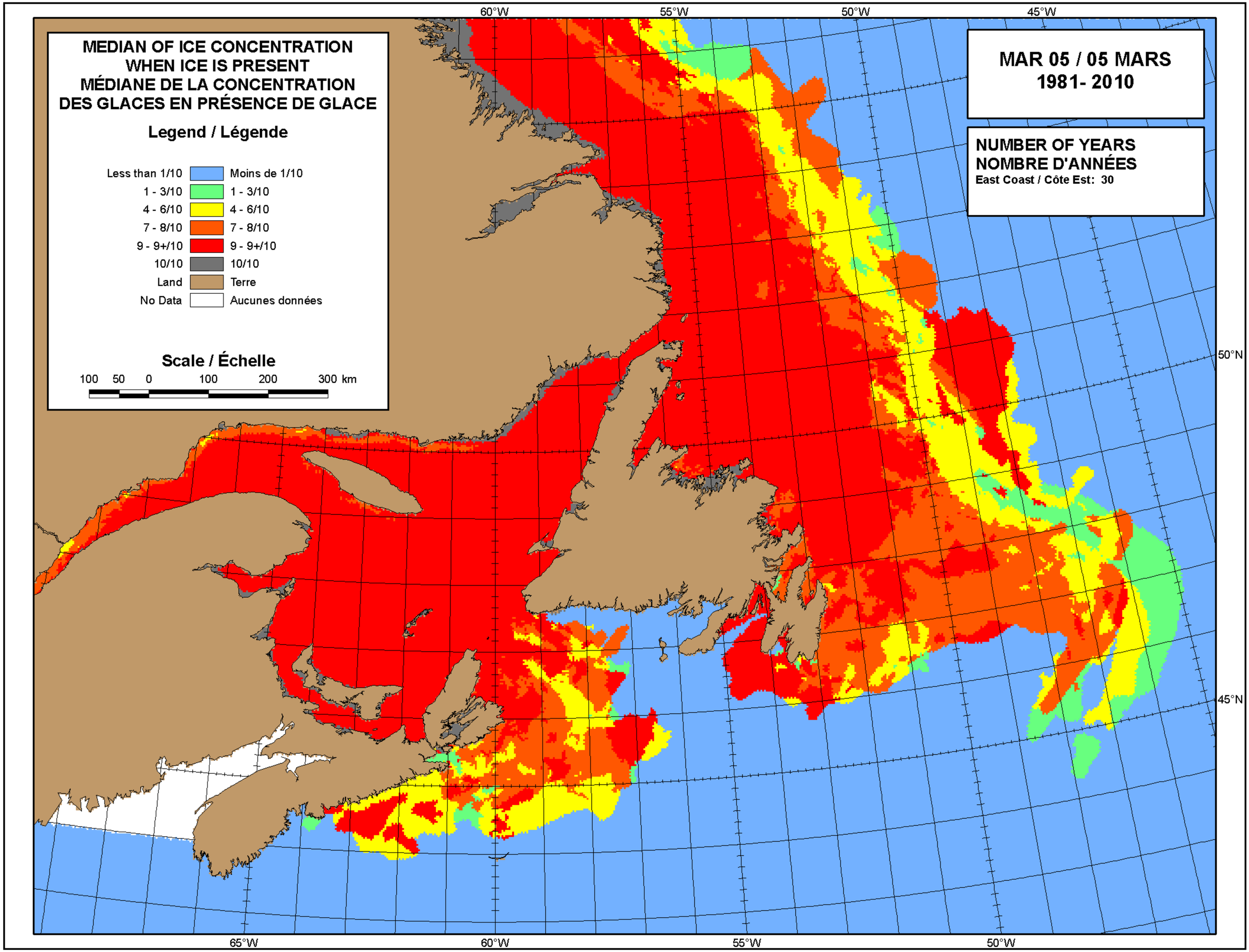
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 05 / 05 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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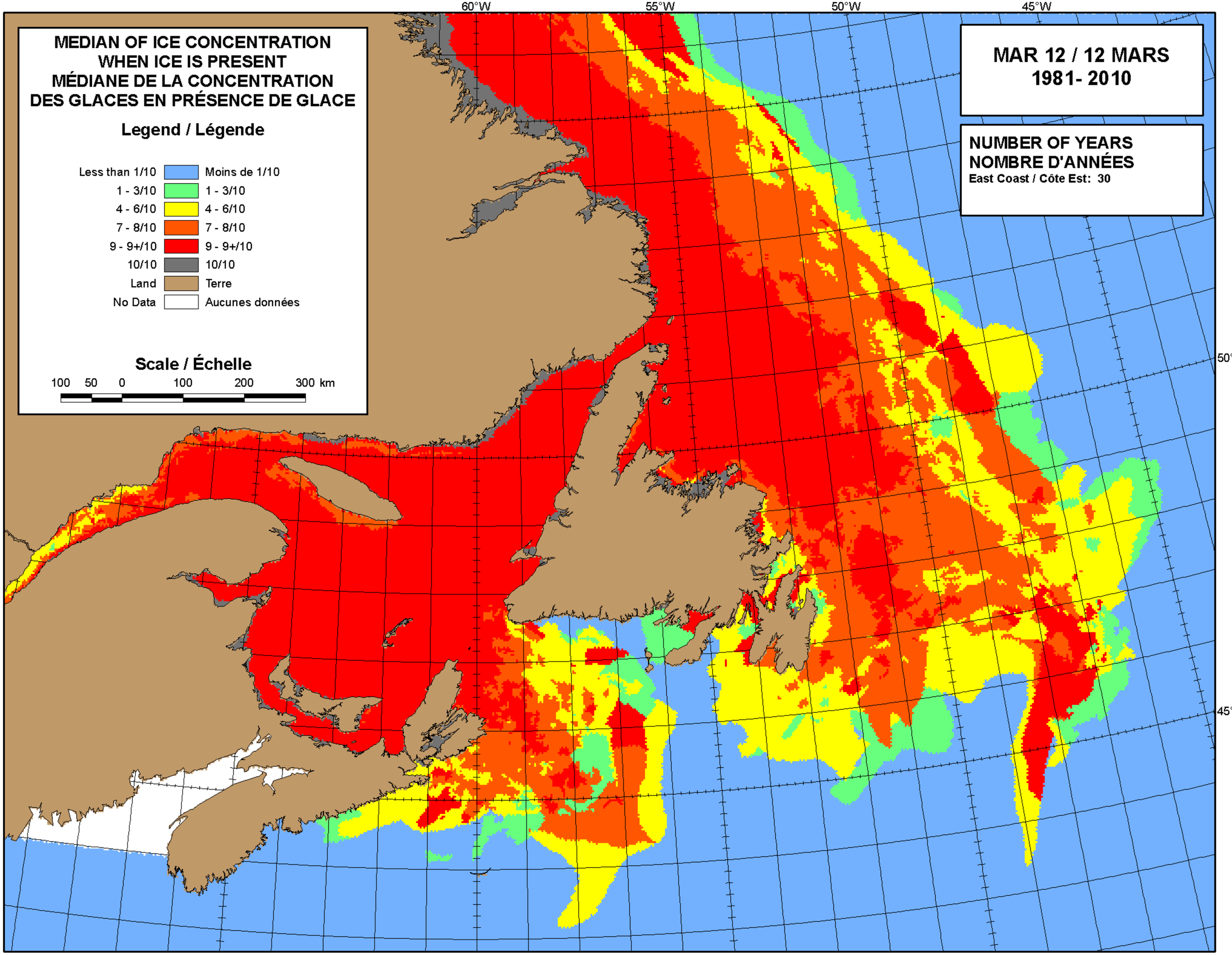
MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 12 / 12 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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65°W
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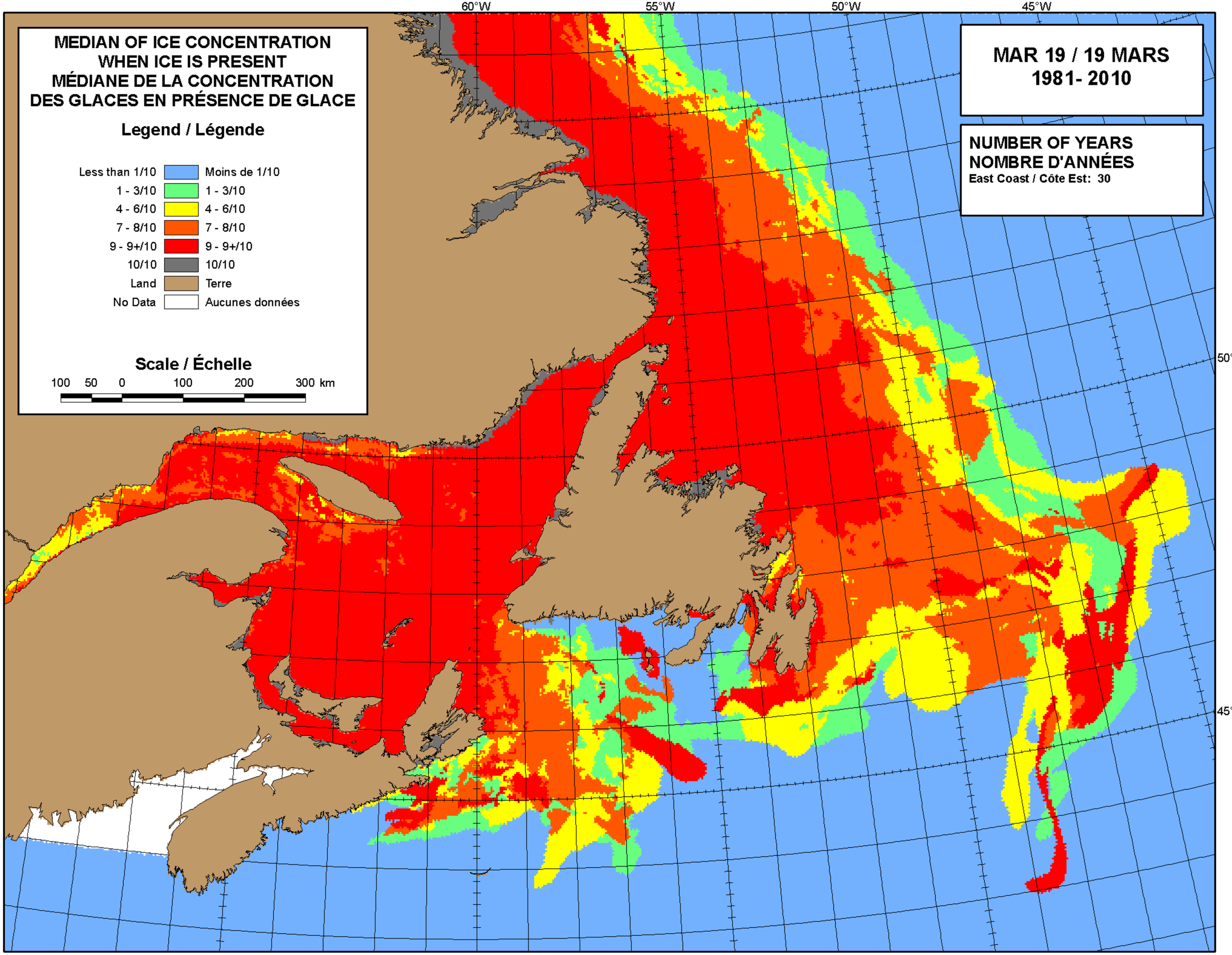
MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 19 / 19 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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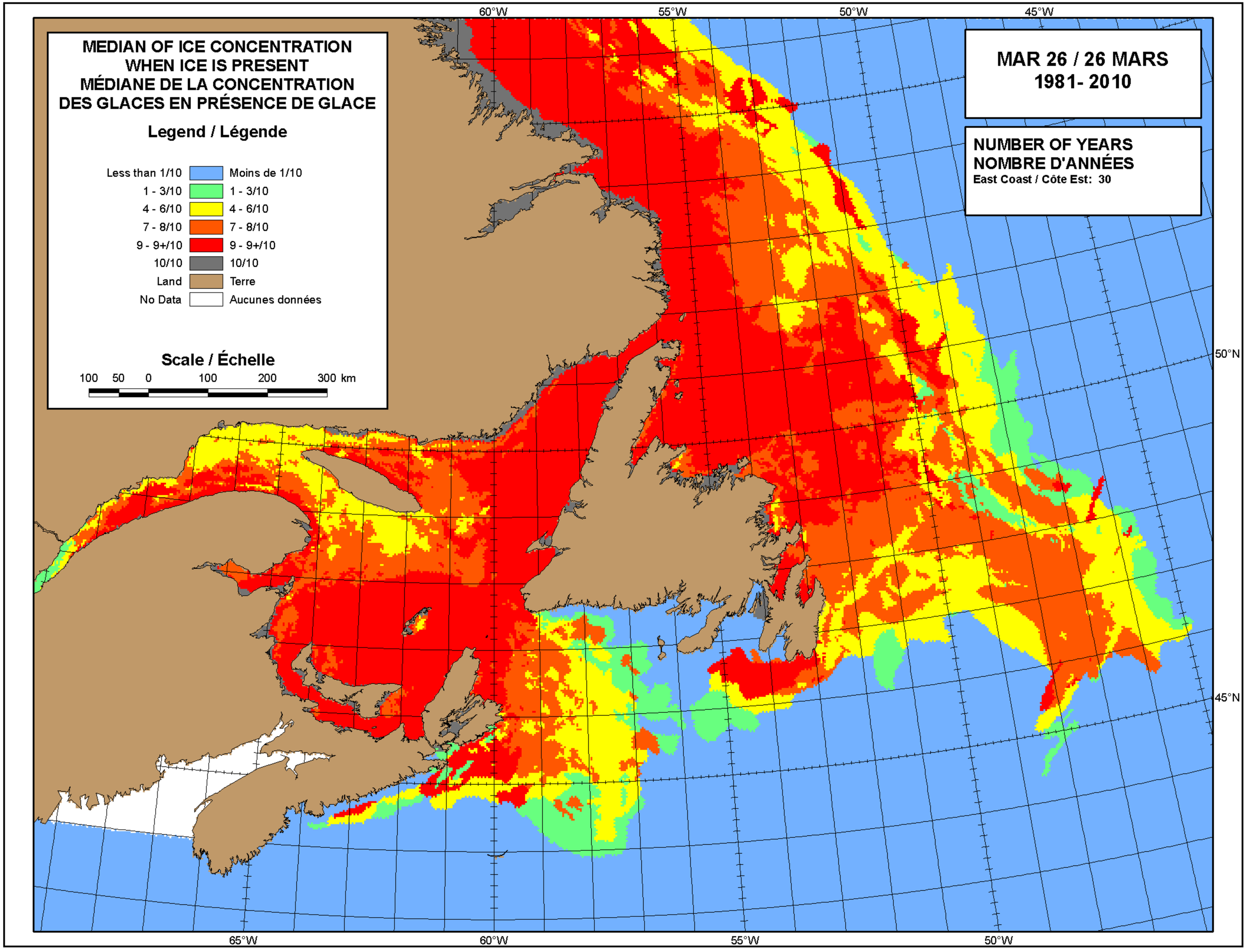
MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAR 26 / 26 MARS
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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50°W
45°W
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65°W
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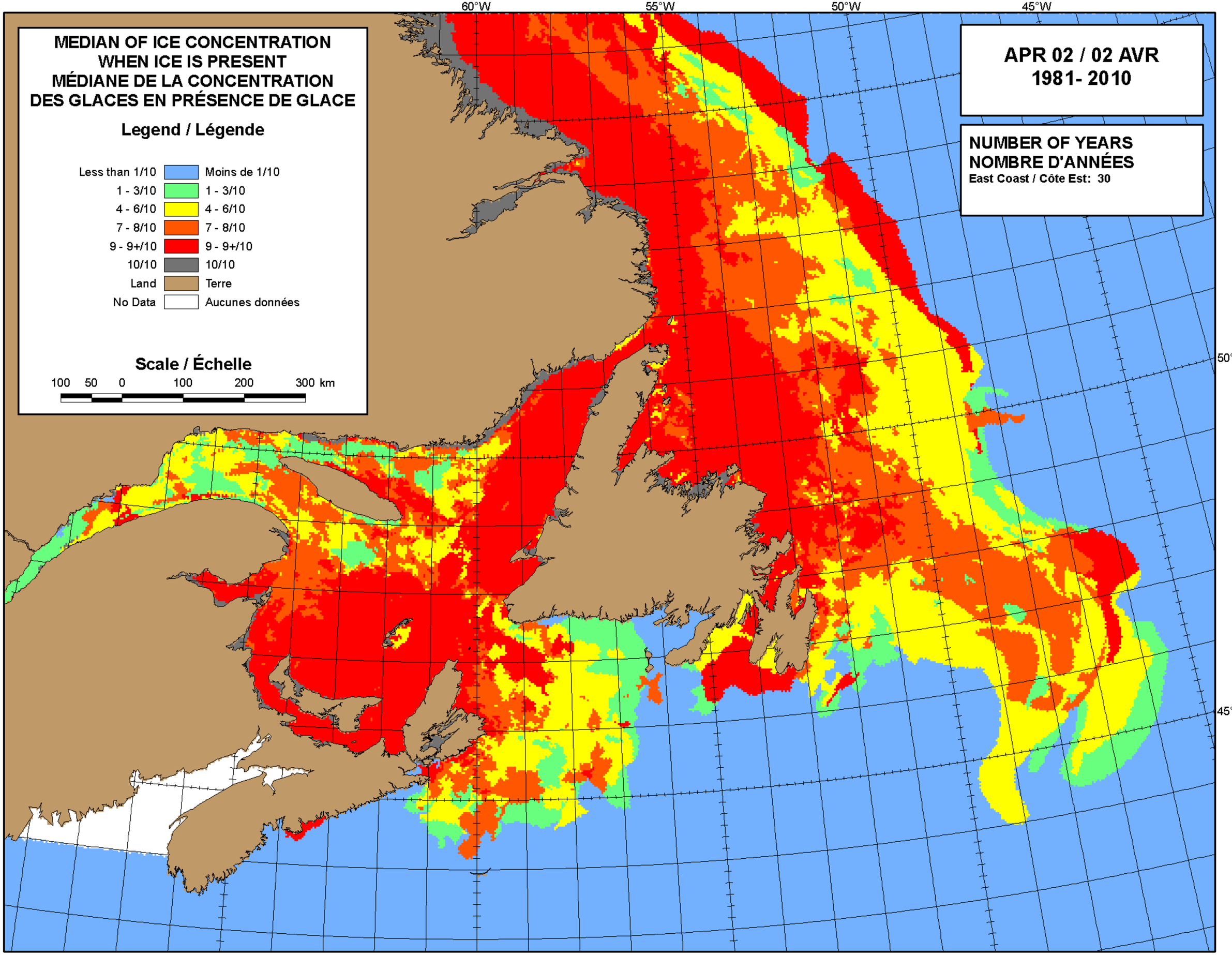
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 02 / 02 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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65°W
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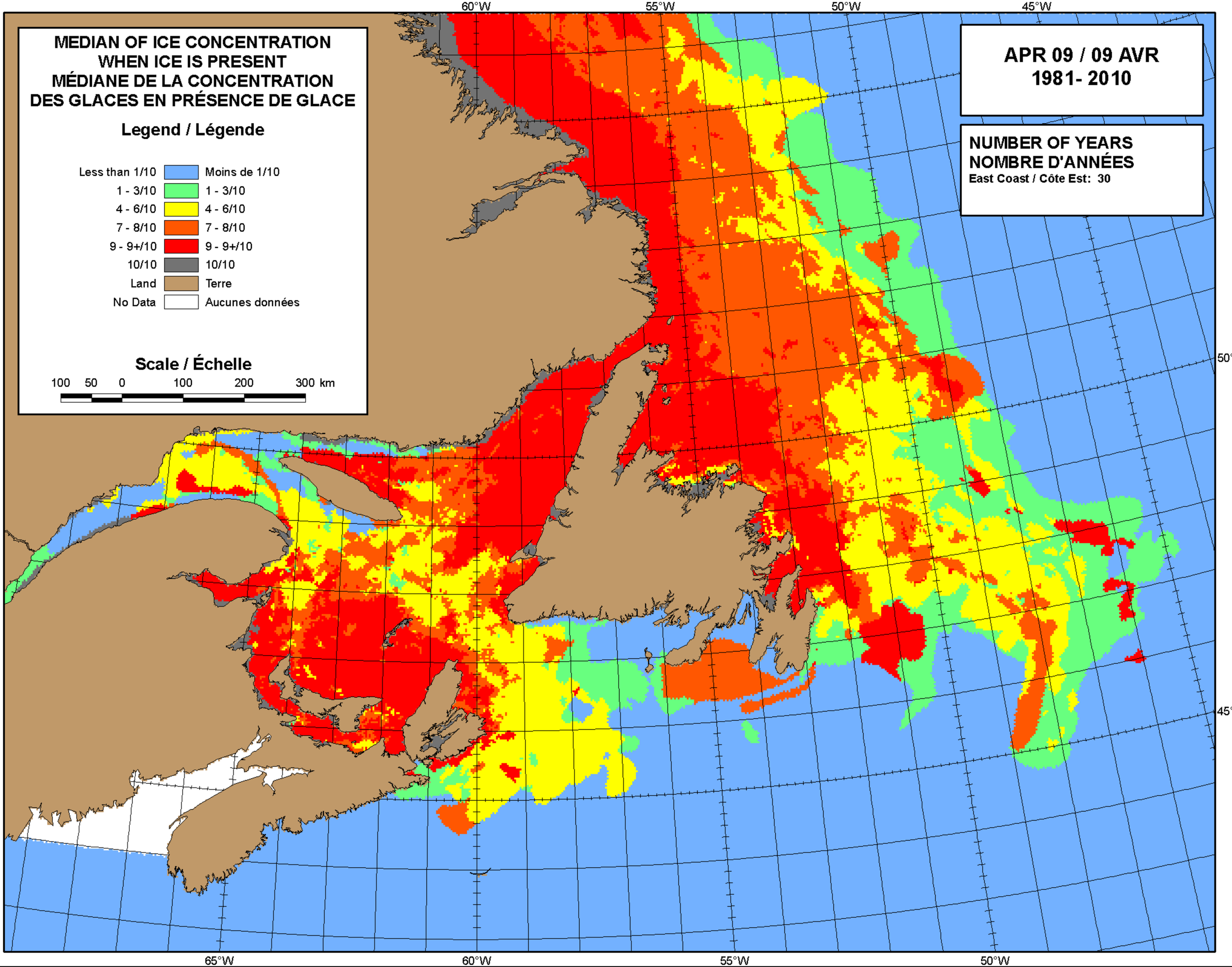
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 09 / 09 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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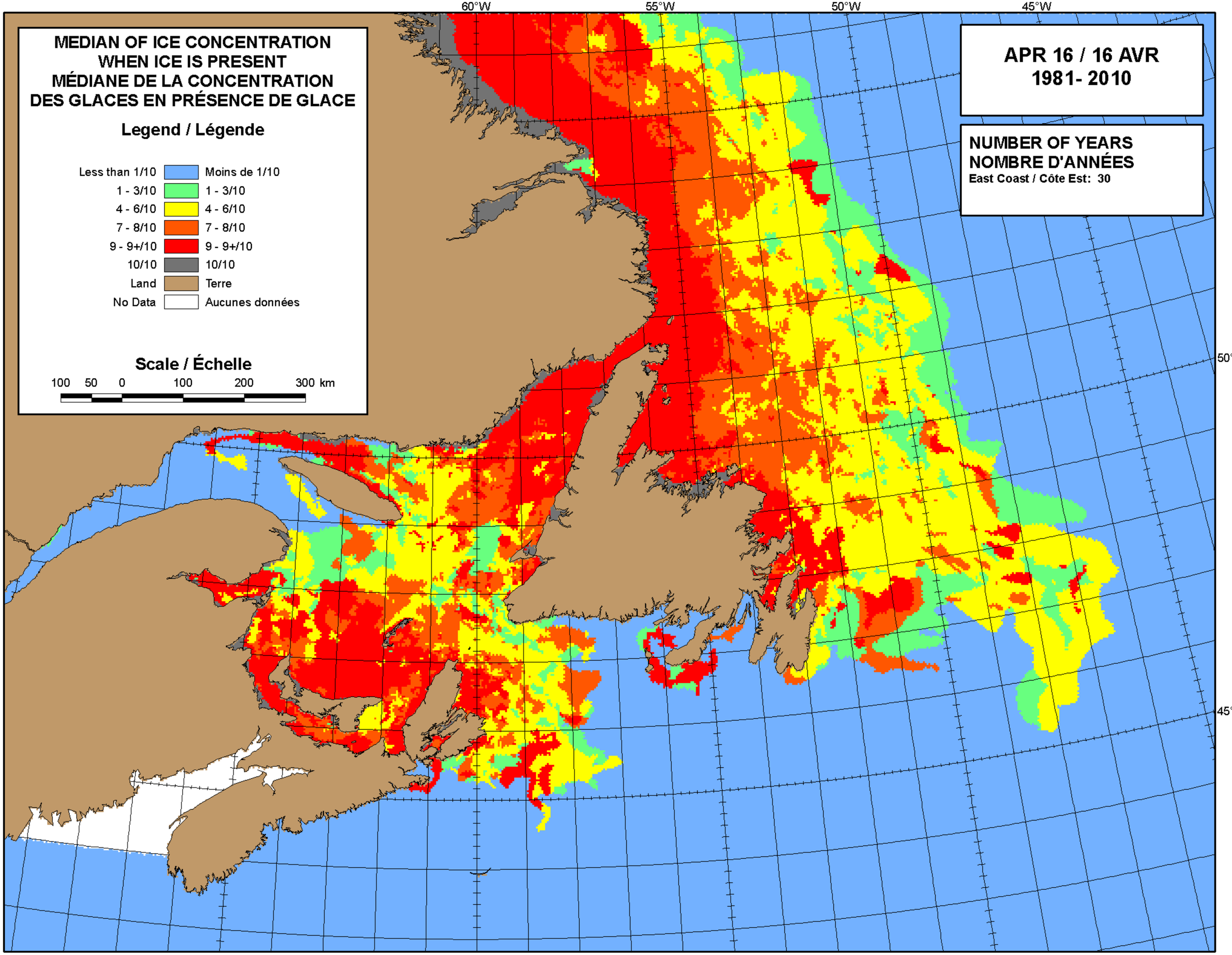
MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 16 / 16 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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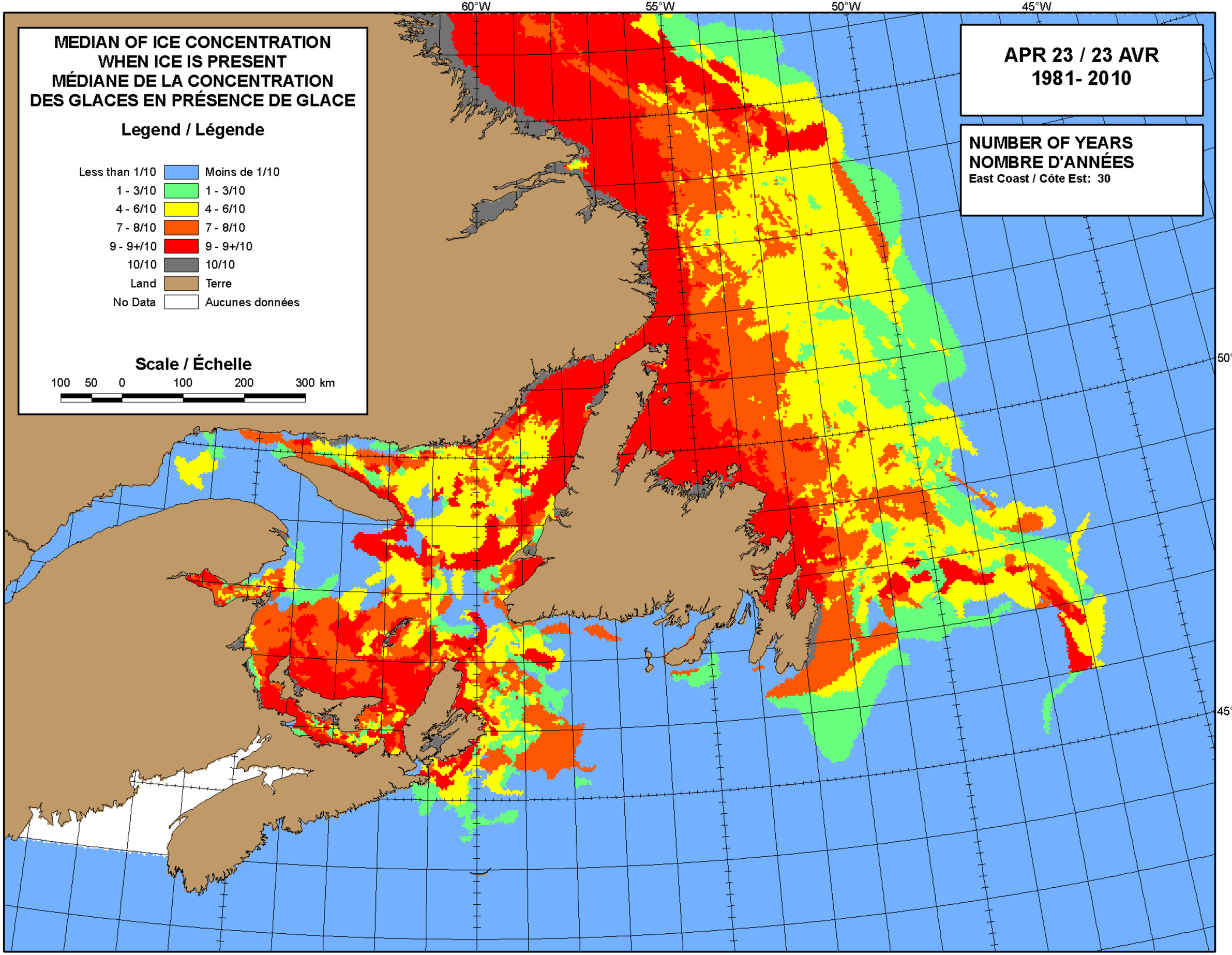
MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 23 / 23 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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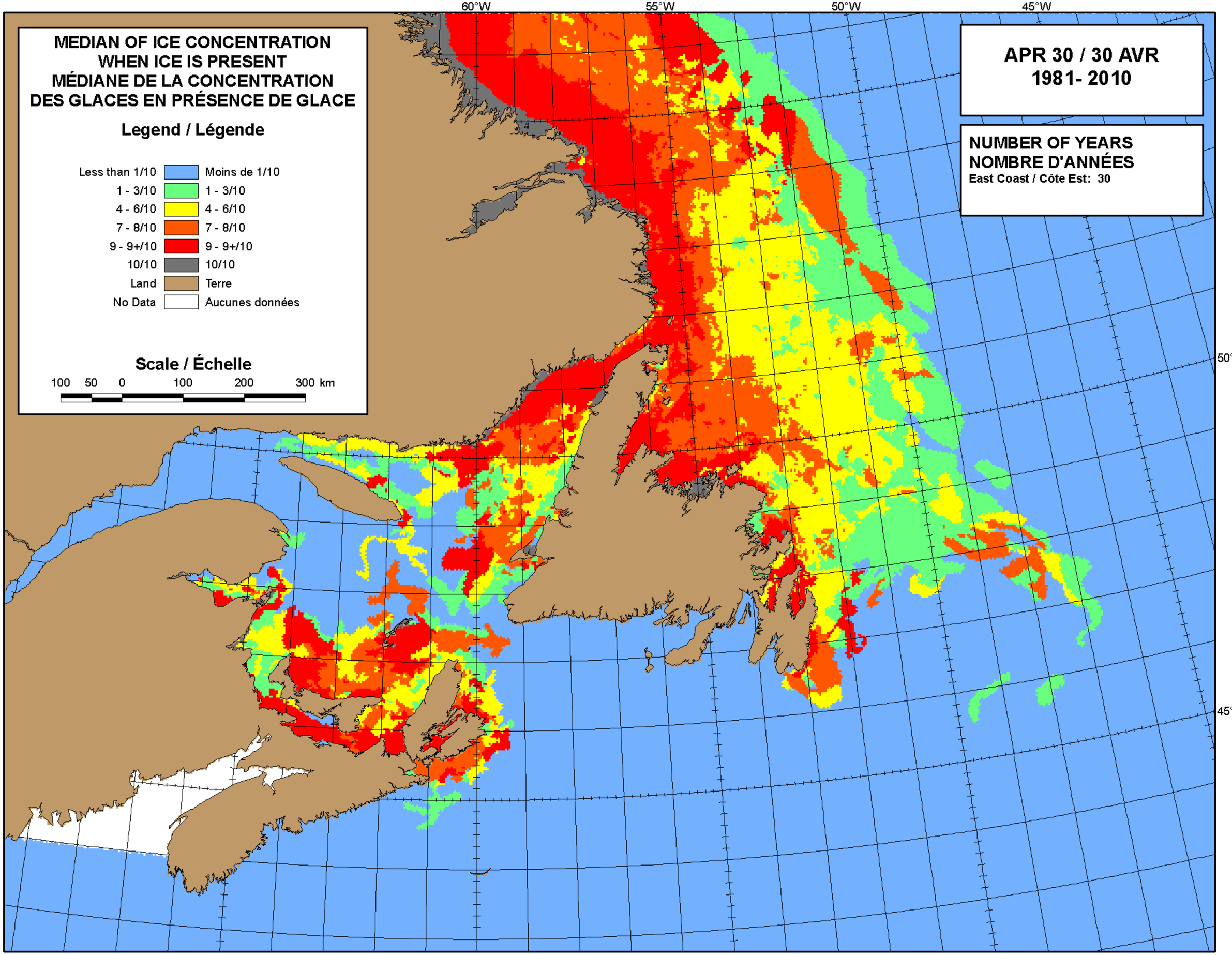
MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
APR 30 / 30 AVR
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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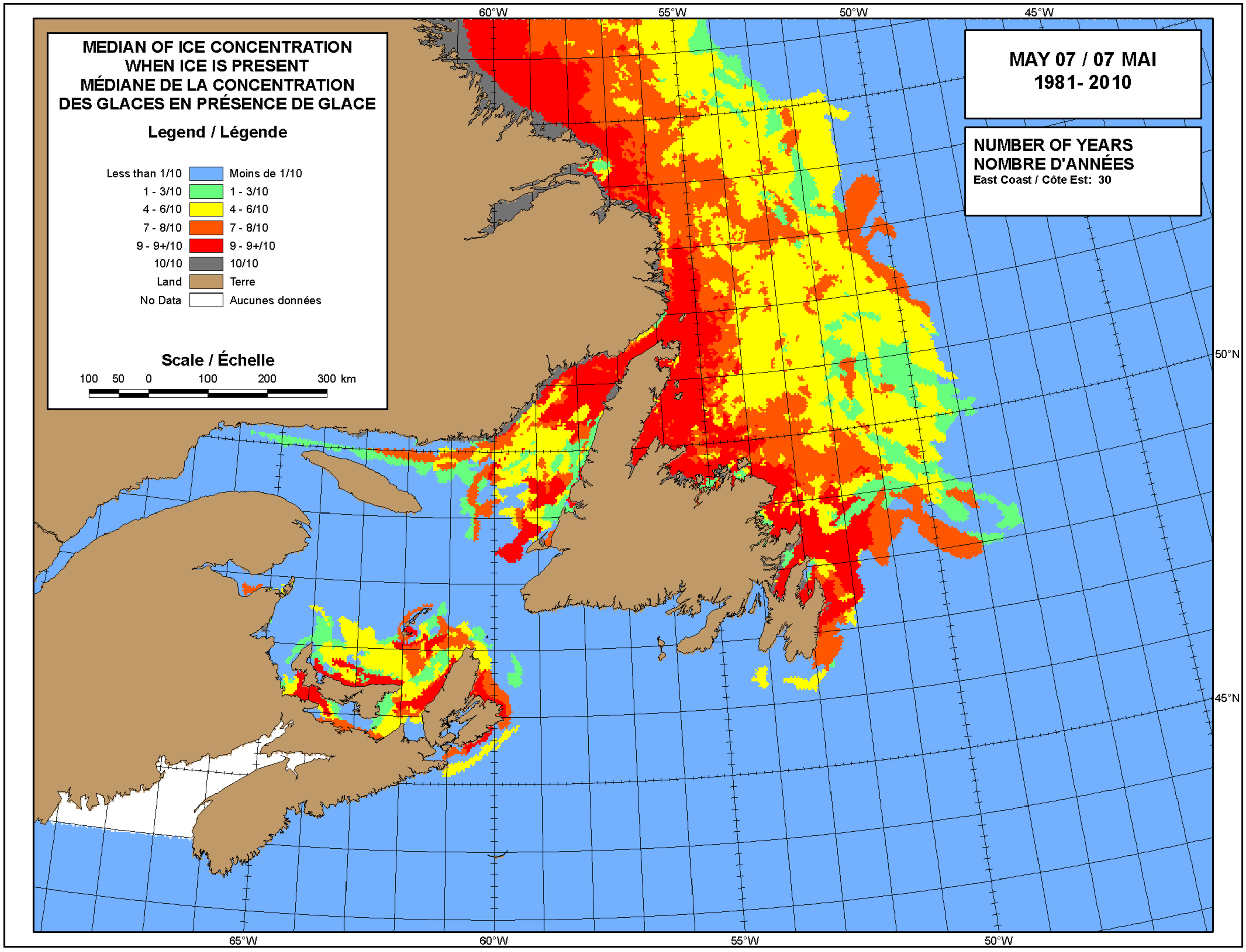
MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 07 / 07 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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50°W
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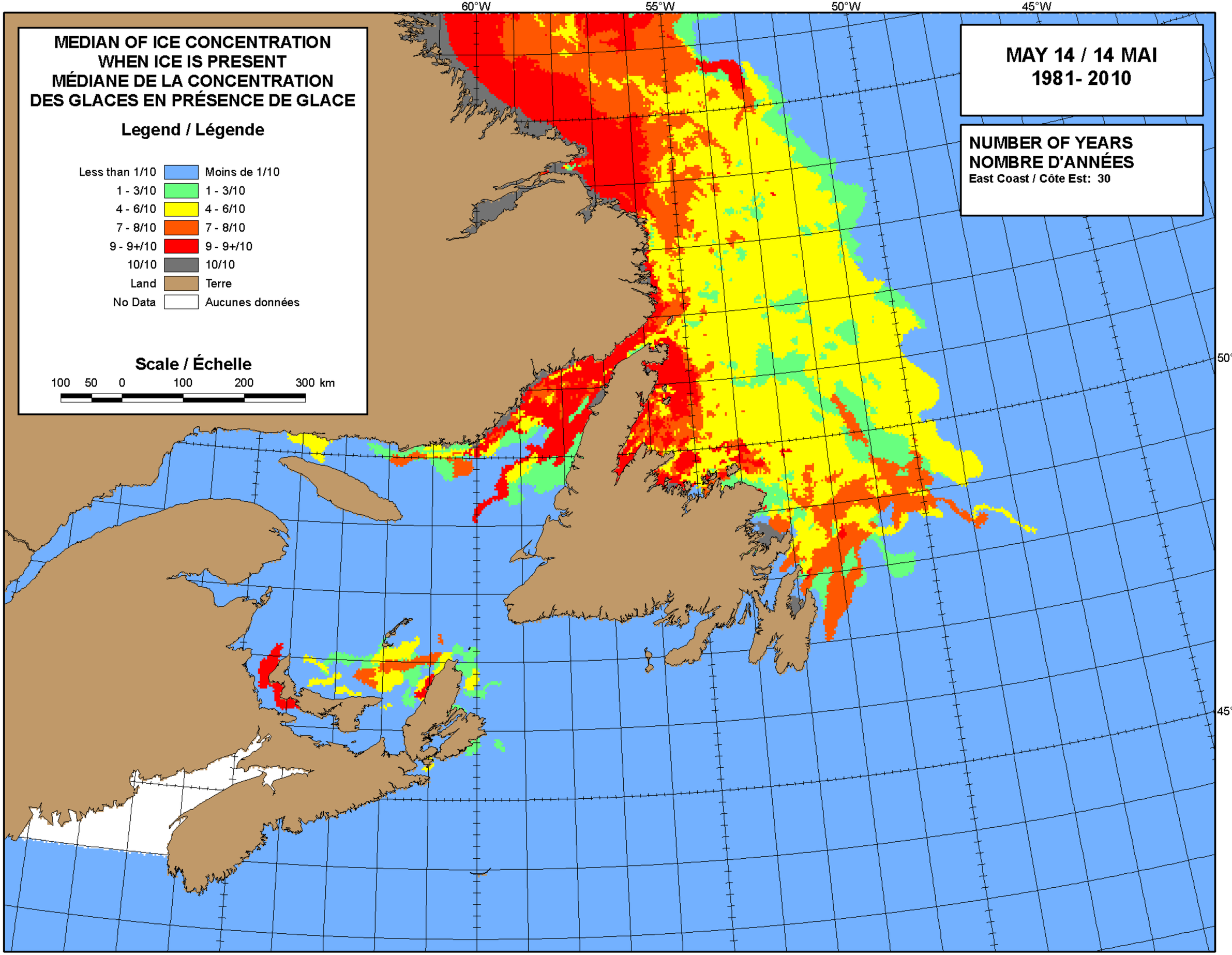
MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 14 / 14 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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45°W
50°N
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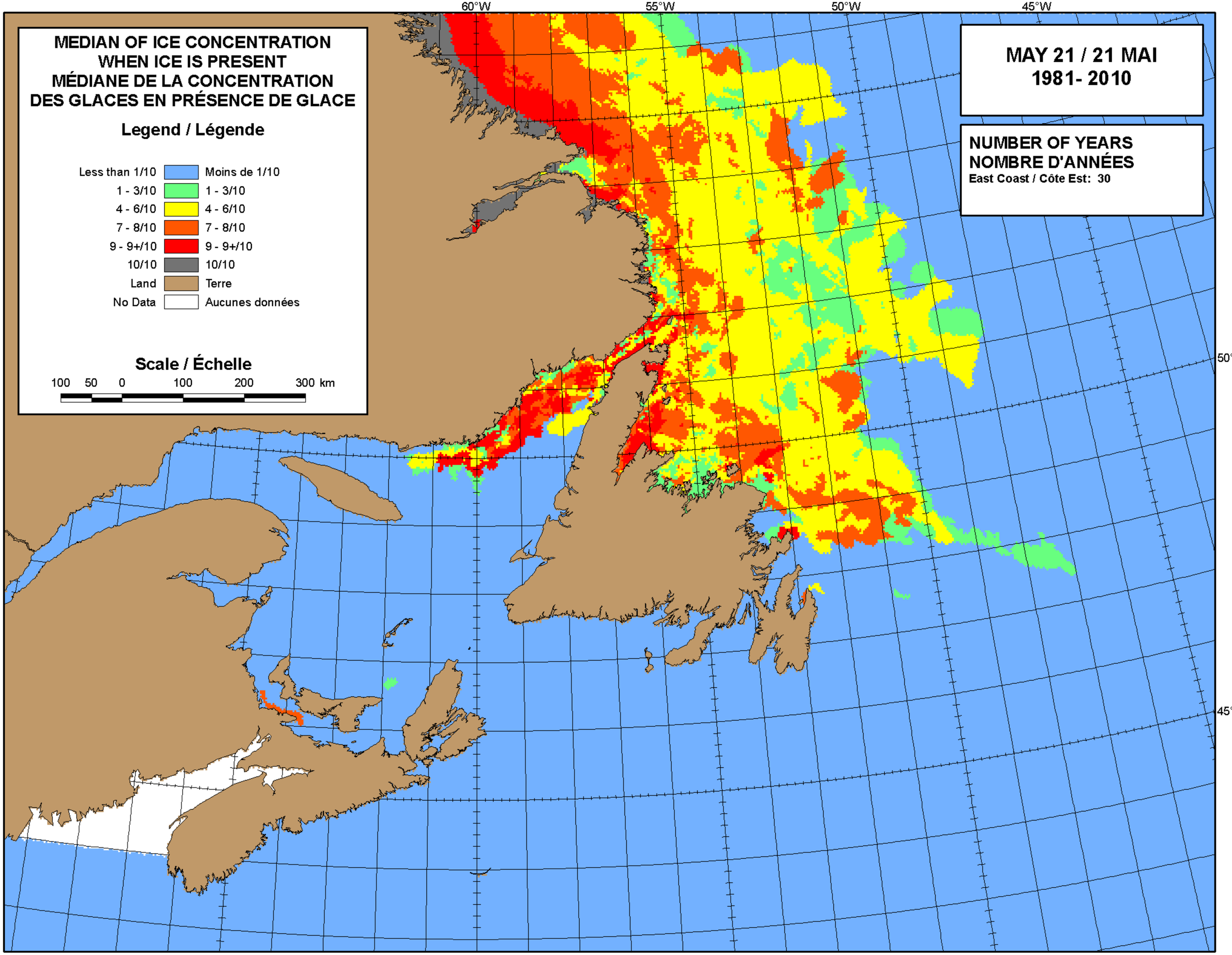
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 21 / 21 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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50°N
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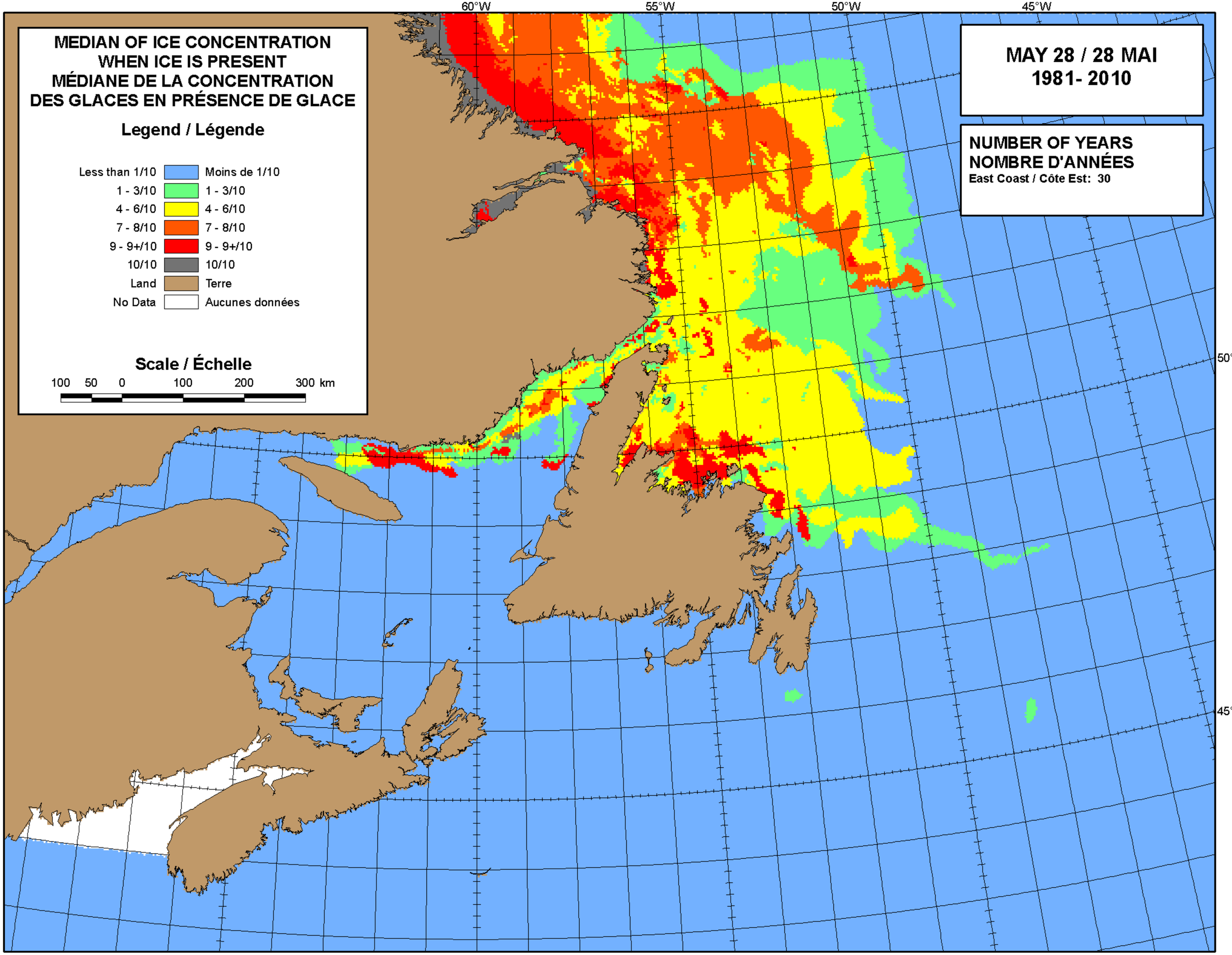
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
MAY 28 / 28 MAI
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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45°W
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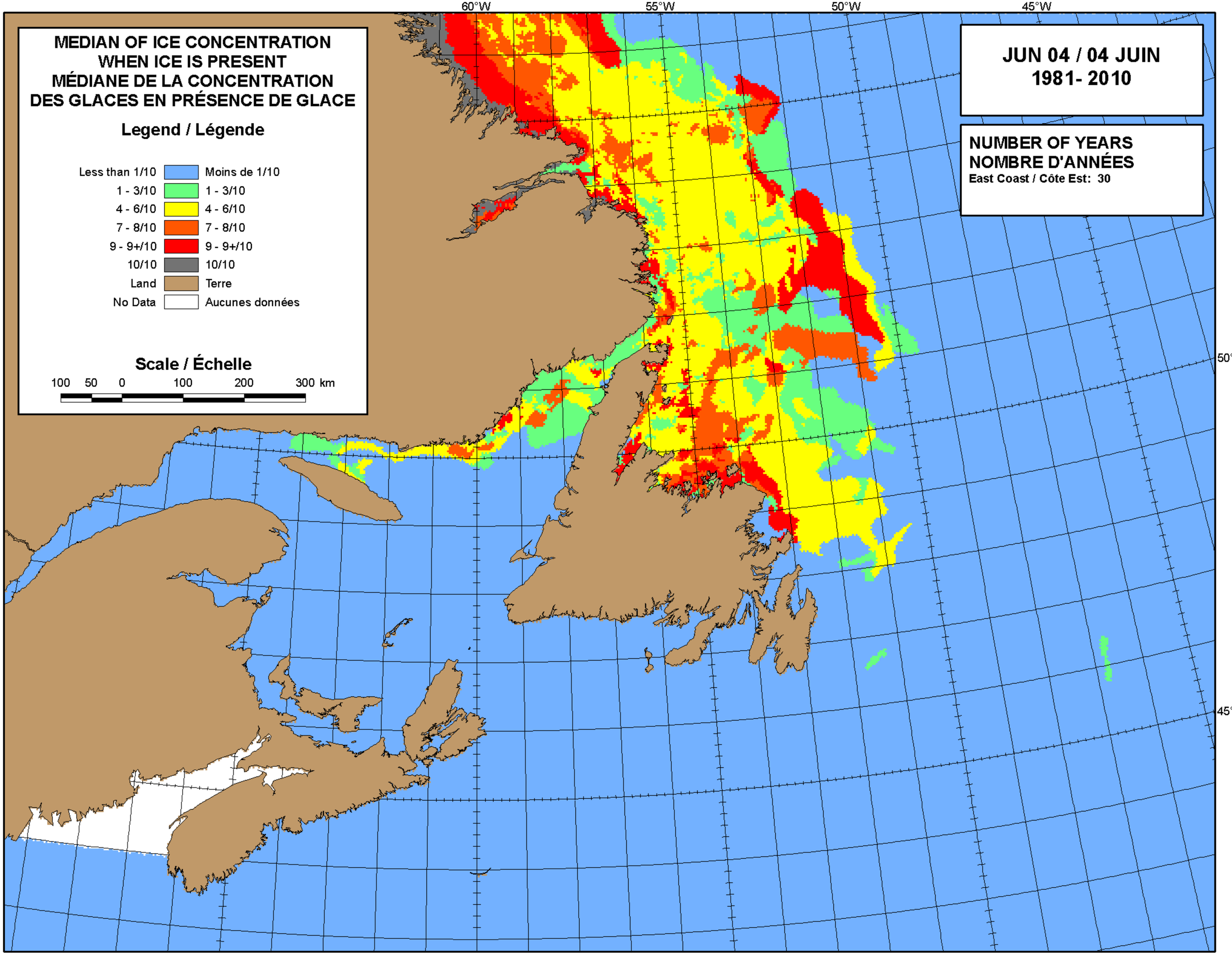
MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 04 / 04 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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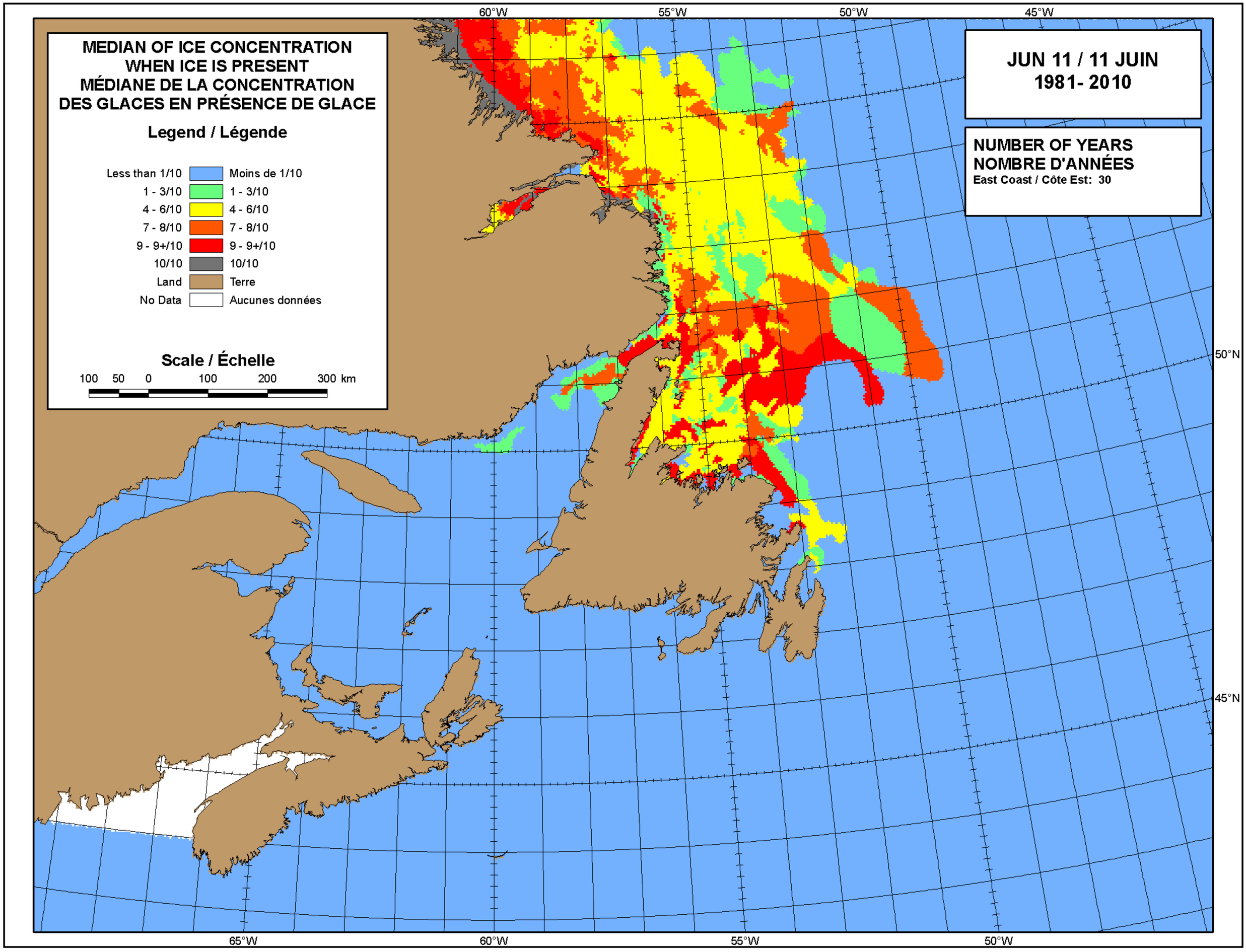
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 11 / 11 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
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50°W
45°W
50°N
45°N
65°W
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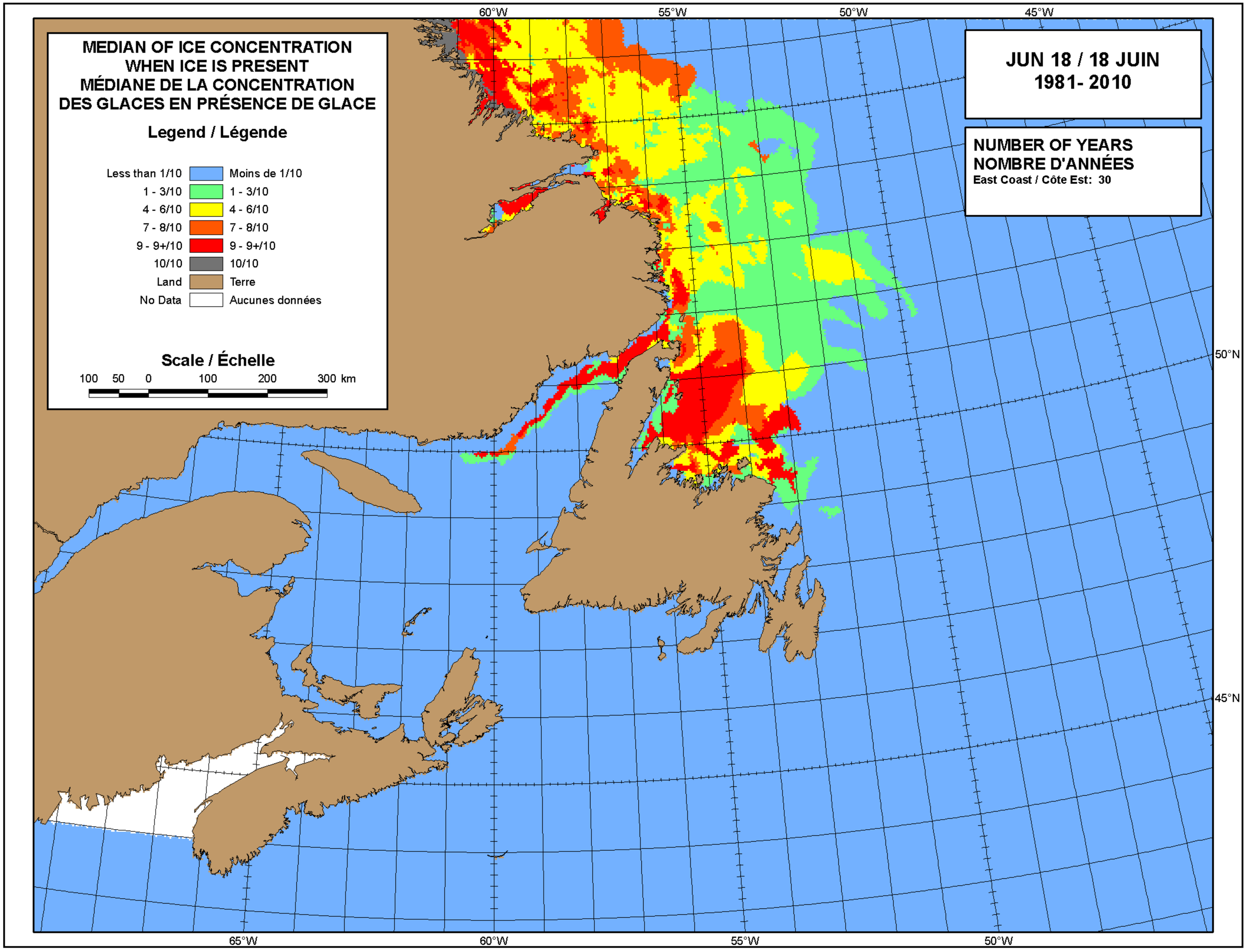
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 18 / 18 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
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50°W
45°W
50°N
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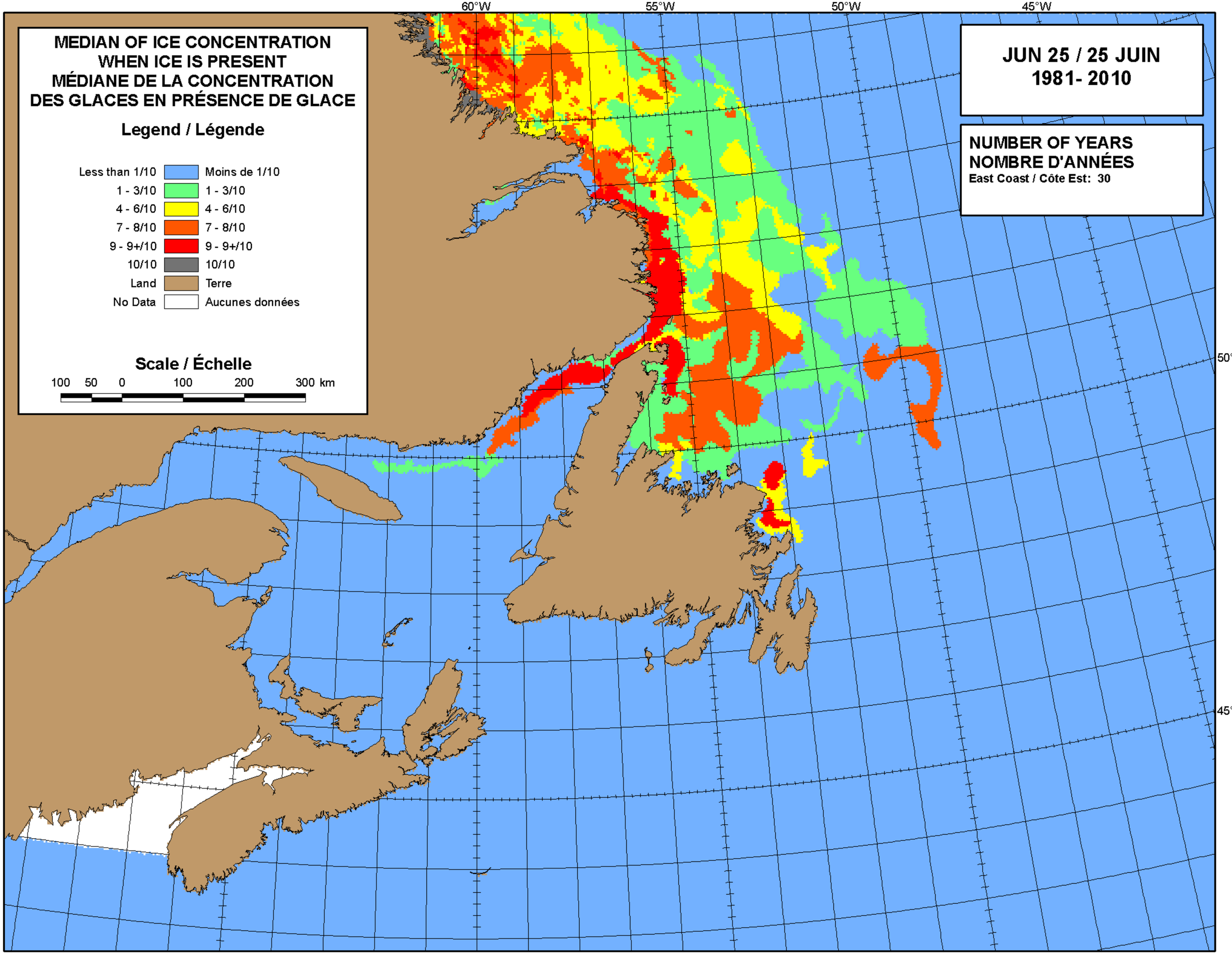
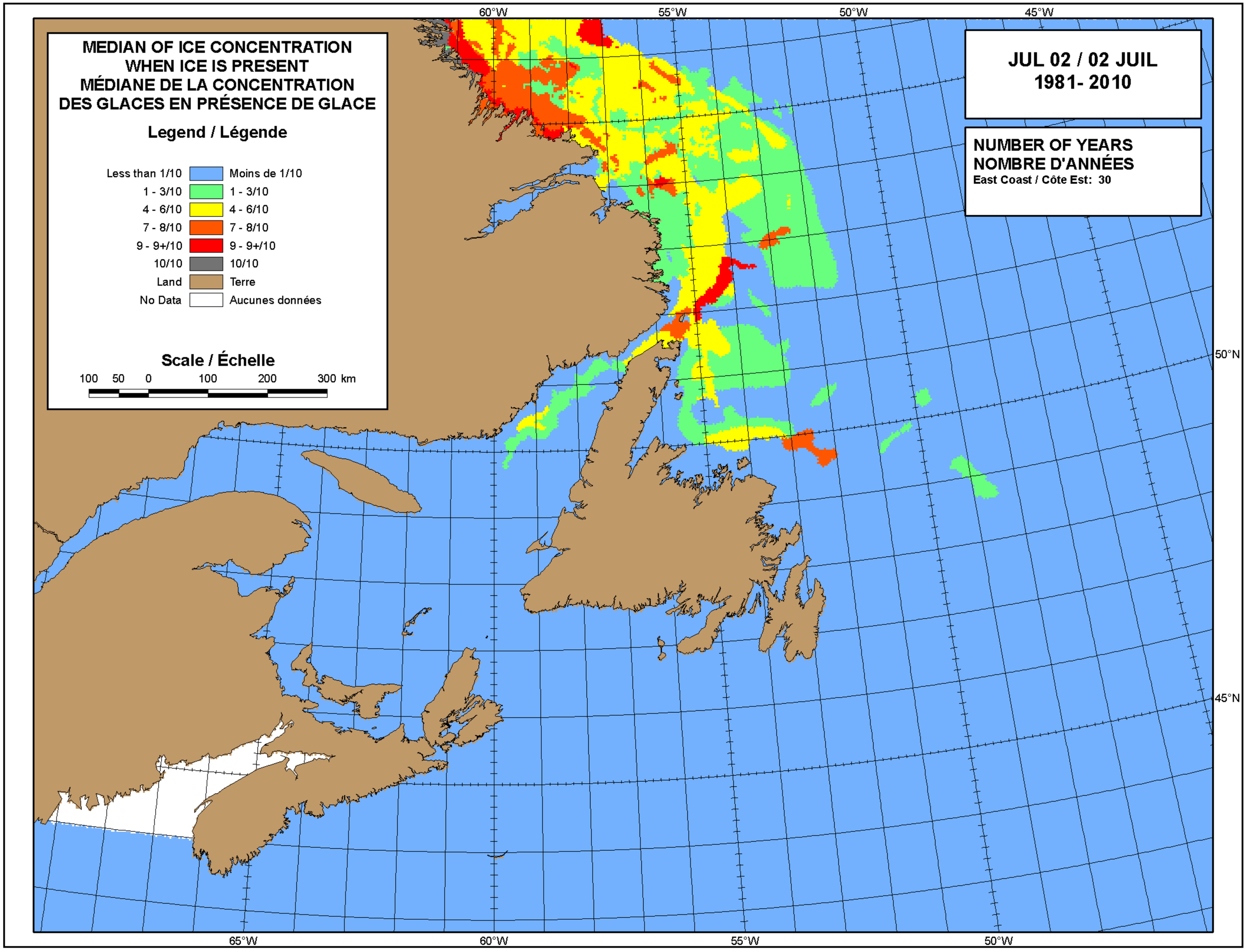
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUN 25 / 25 JUIN
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 02 / 02 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
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50°W
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50°N
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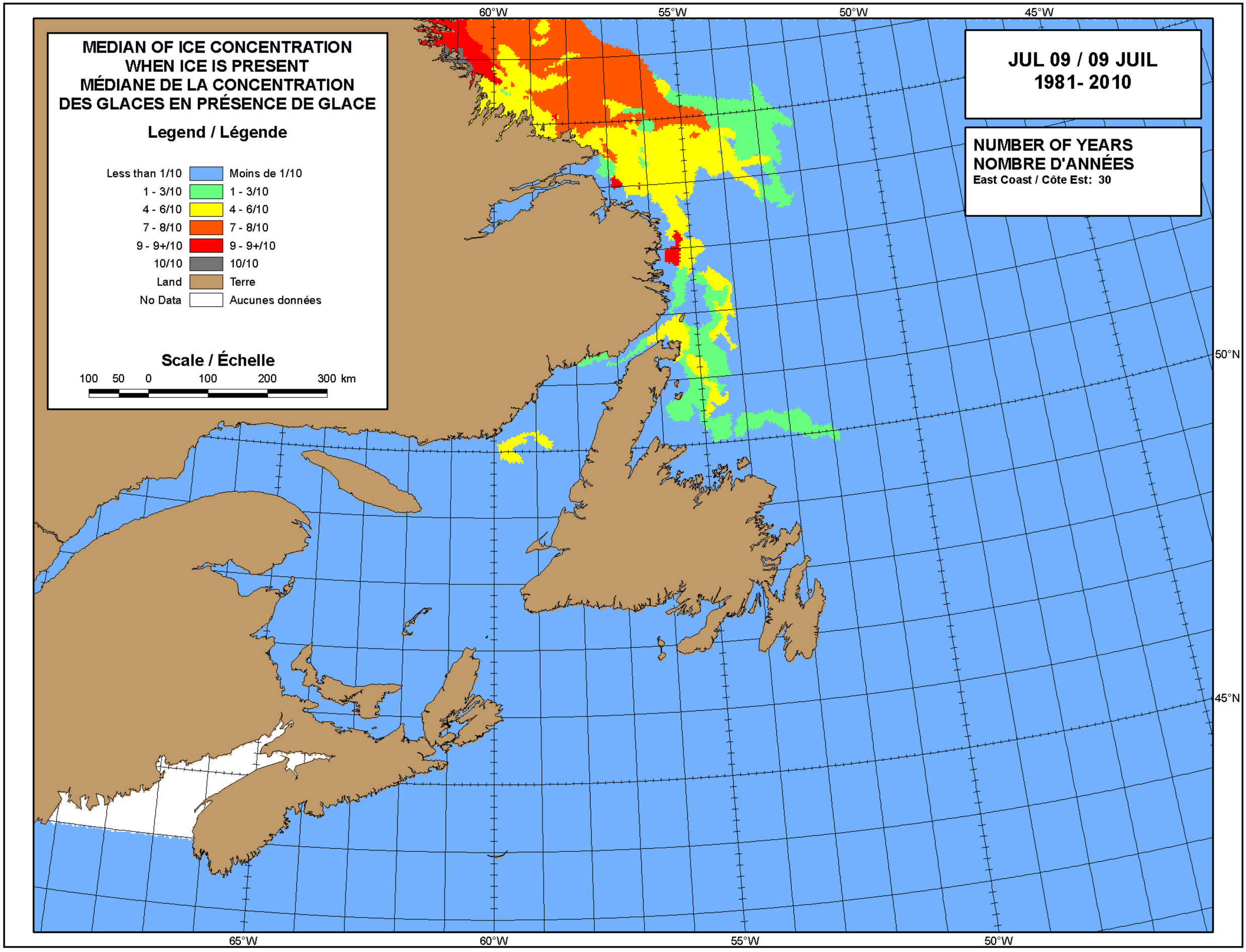
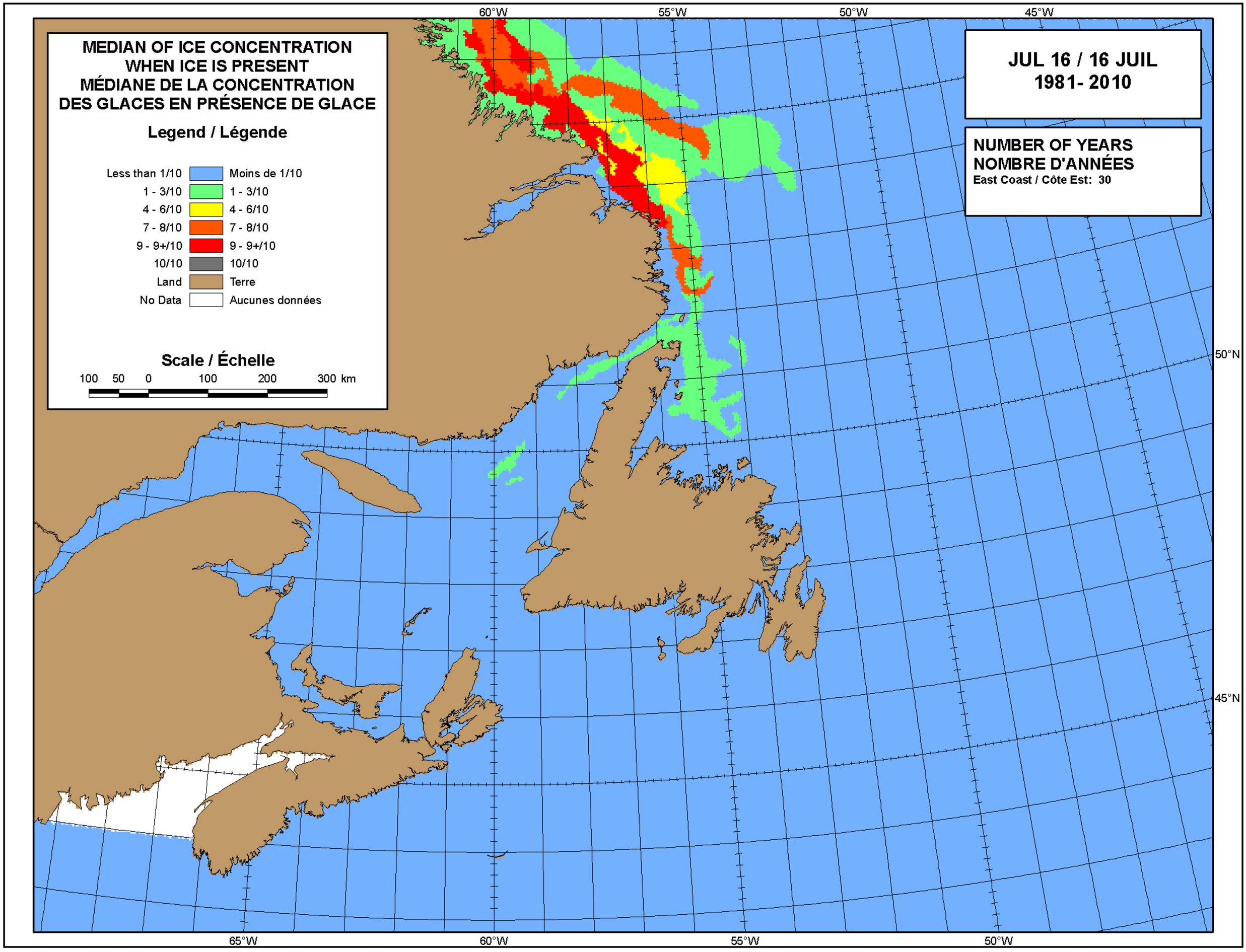
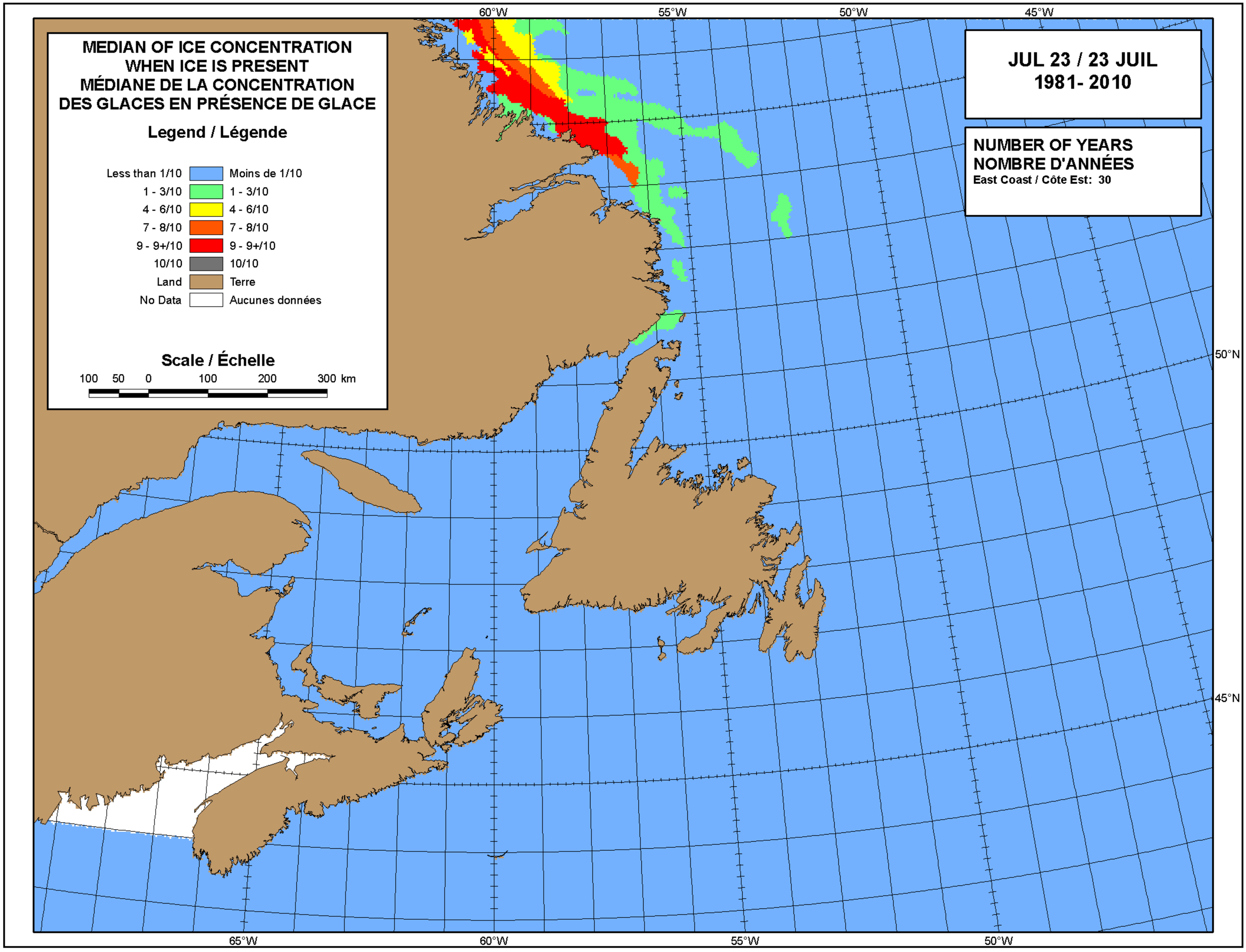
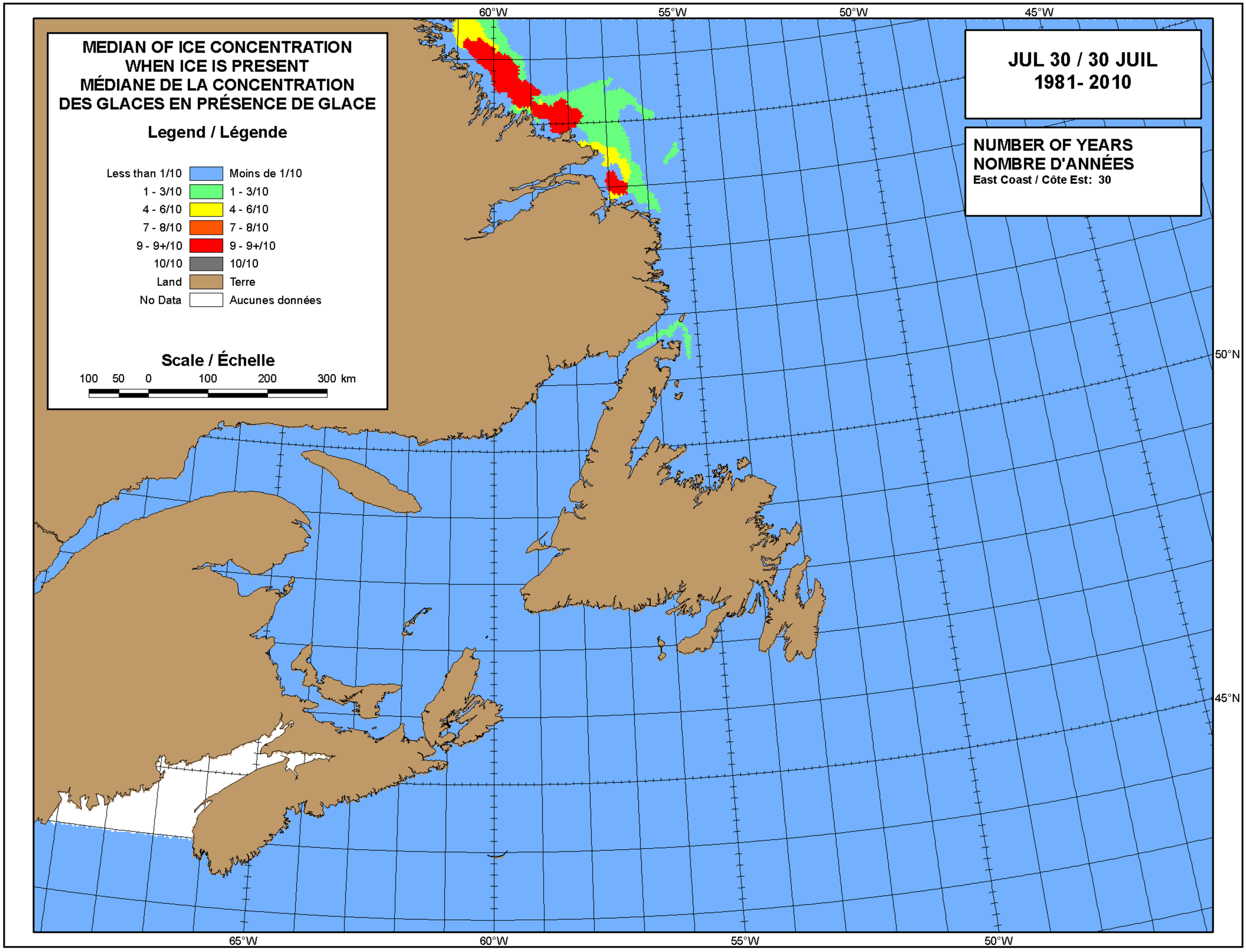
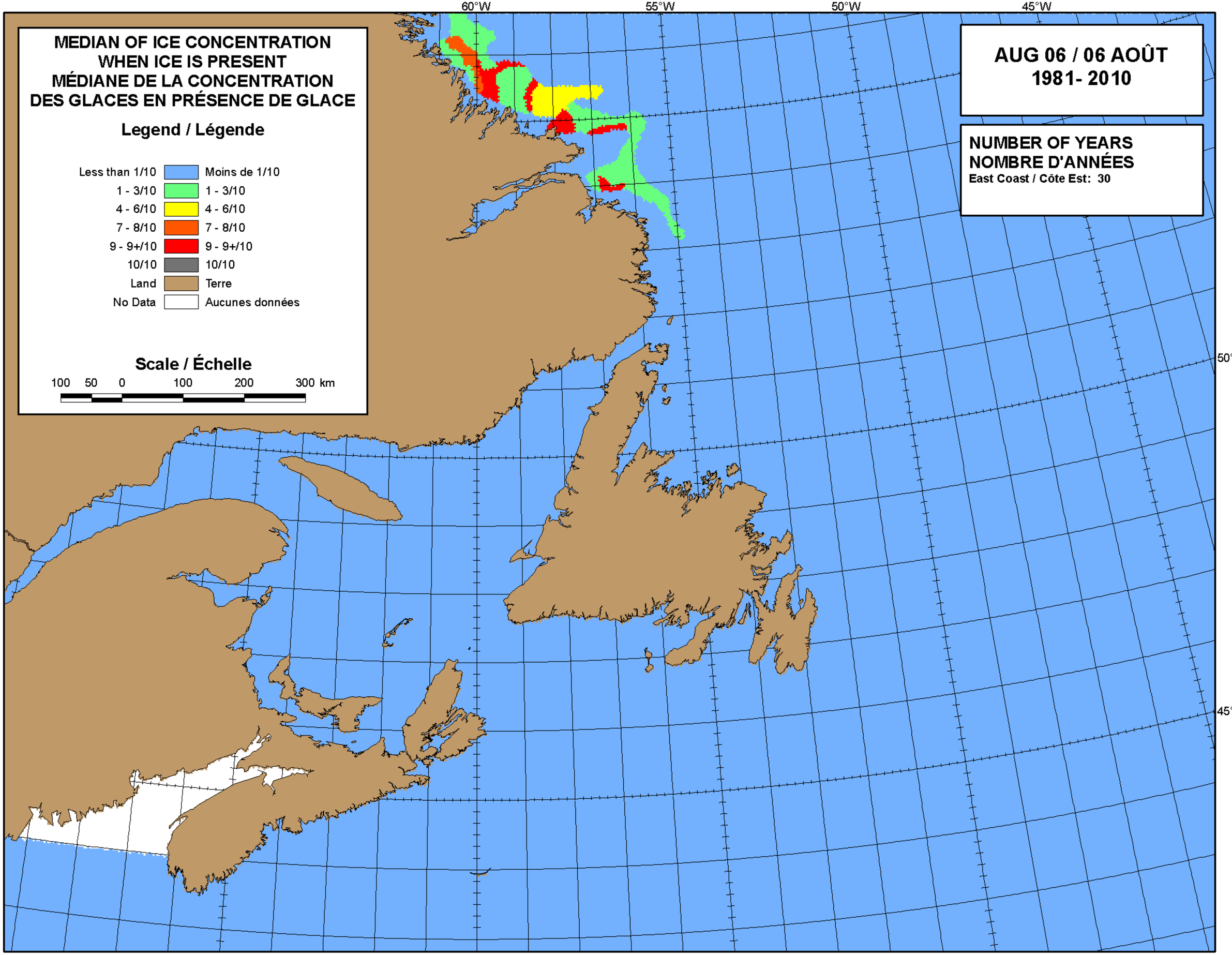
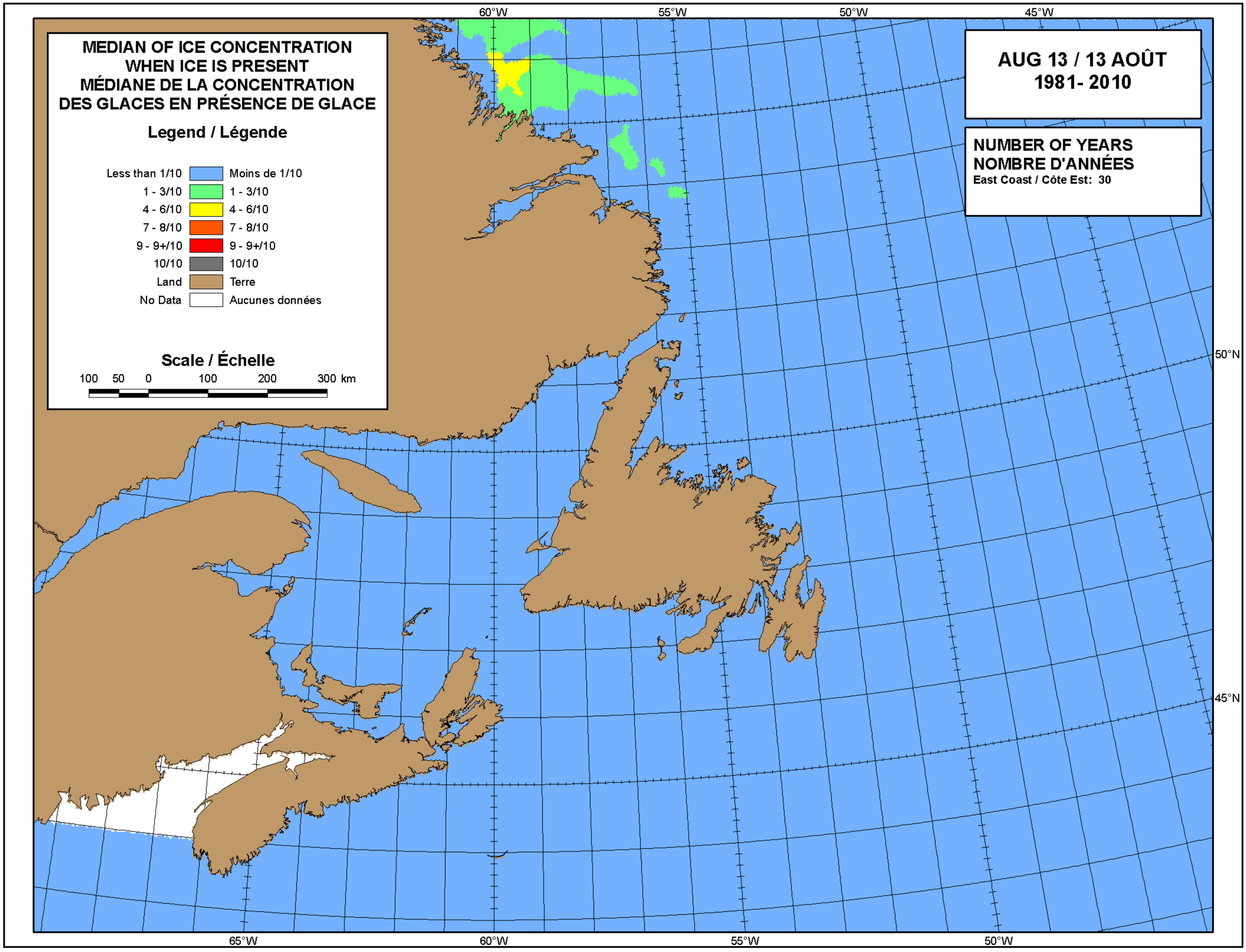

MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 09 / 09 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

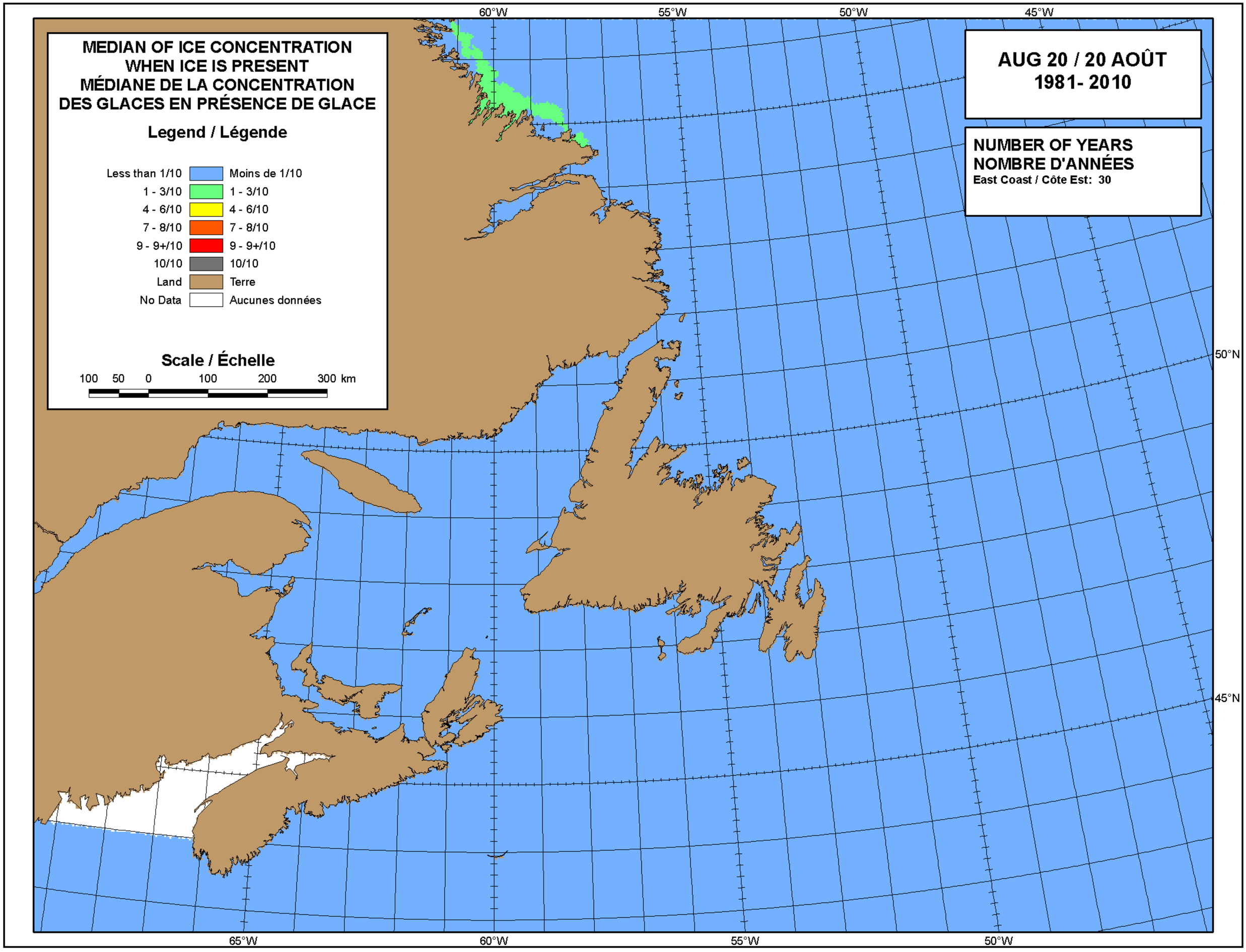

MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 16 / 16 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

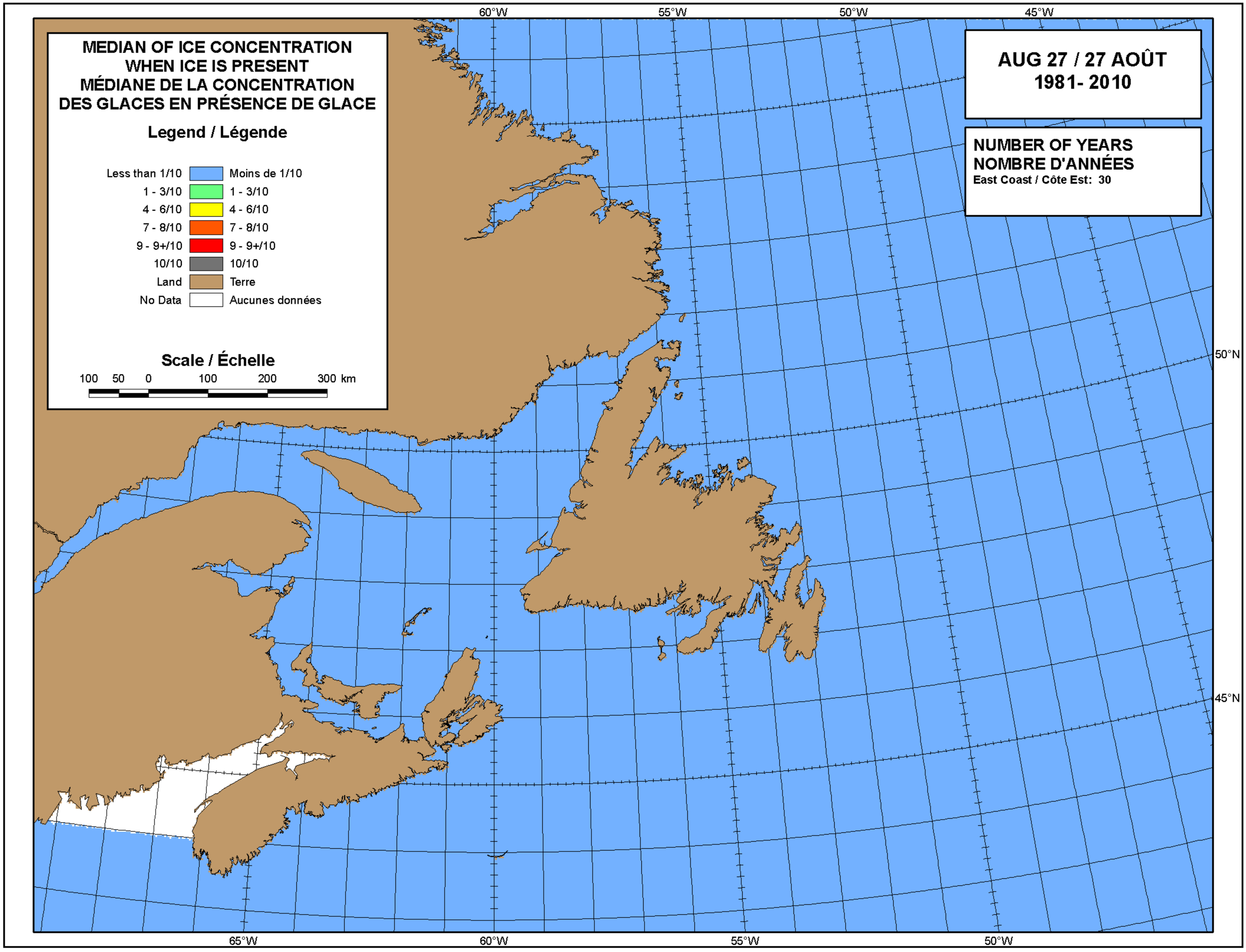

MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10
Moins de 1/10
1 - 3/10
1 - 3/10
4 - 6/10
4 - 6/10
7 - 8/10
7 - 8/10
9 - 9+/10
9 - 9+/10
10/10
10/10
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 23 / 23 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10
Moins de 1/10
1 - 3/10
1 - 3/10
4 - 6/10
4 - 6/10
7 - 8/10
7 - 8/10
9 - 9+/10
9 - 9+/10
10/10
10/10
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
JUL 30 / 30 JUIL
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 06 / 06 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

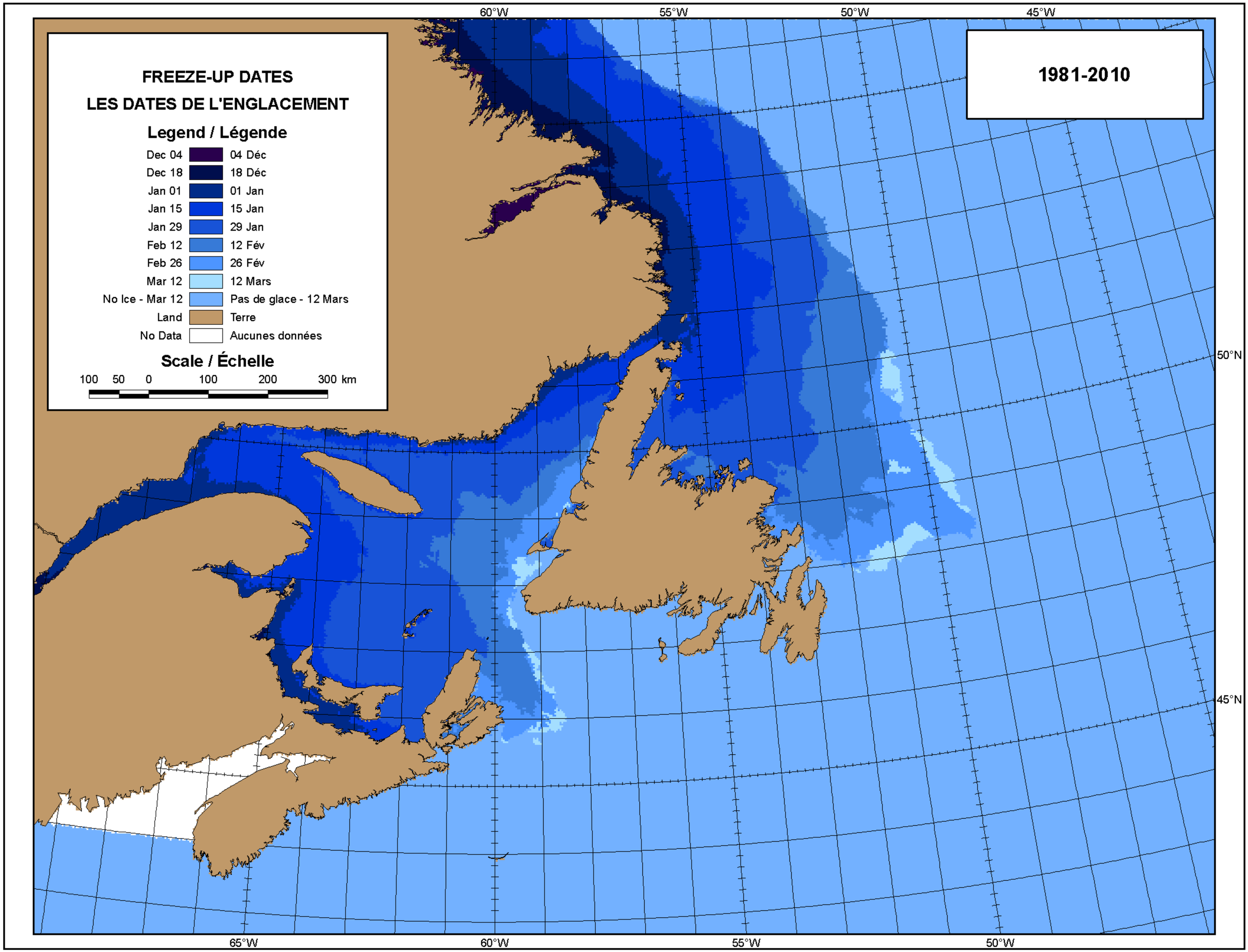

MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 13 / 13 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

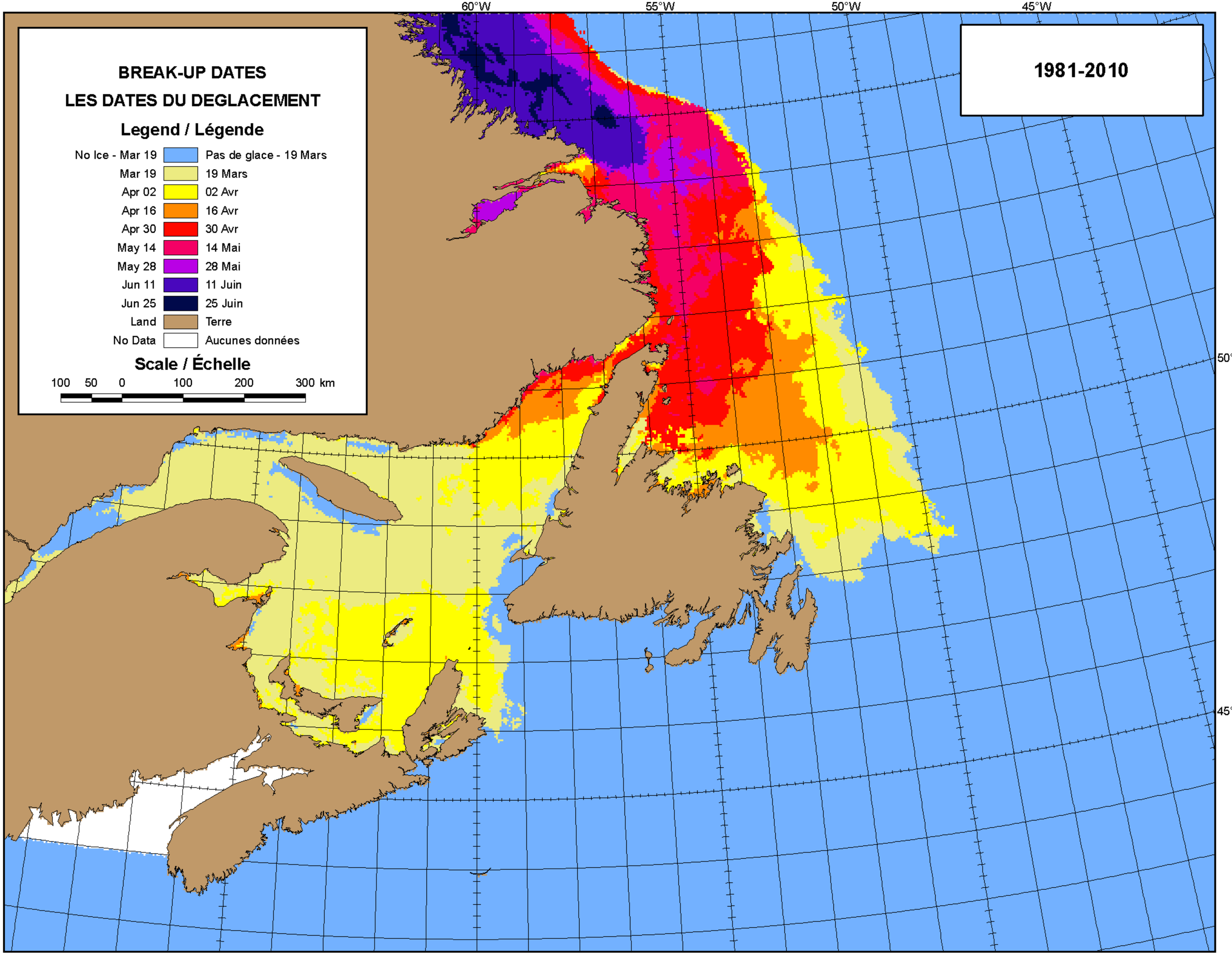

MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10 Moins de 1/10
1 - 3/10 1 - 3/10
4 - 6/10 4 - 6/10
7 - 8/10 7 - 8/10
9 - 9+/10 9 - 9+/10
10/10 10/10
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 20 / 20 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

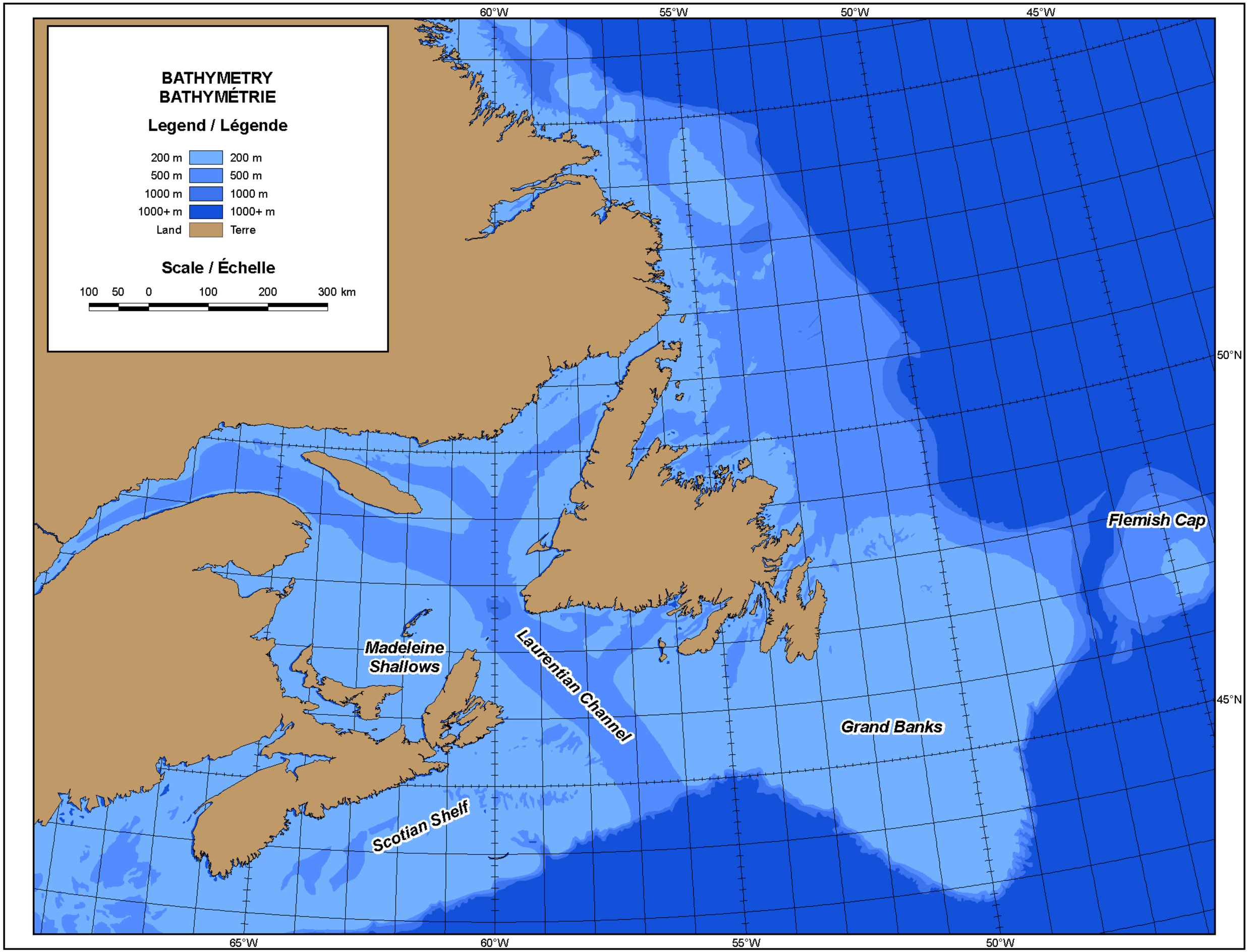

MEDIAN OF ICE CONCENTRATION
WHEN ICE IS PRESENT
MÉDIANE DE LA CONCENTRATION
DES GLACES EN PRÉSENCE DE GLACE
Legend / Légende
Less than 1/10
Moins de 1/10
1 - 3/10
1 - 3/10
4 - 6/10
4 - 6/10
7 - 8/10
7 - 8/10
9 - 9+/10
9 - 9+/10
10/10
10/10
Land
Terre
No Data
Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
AUG 27 / 27 AOÛT
1981- 2010
NUMBER OF YEARS
NOMBRE D'ANNÉES
East Coast / Côte Est: 30
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

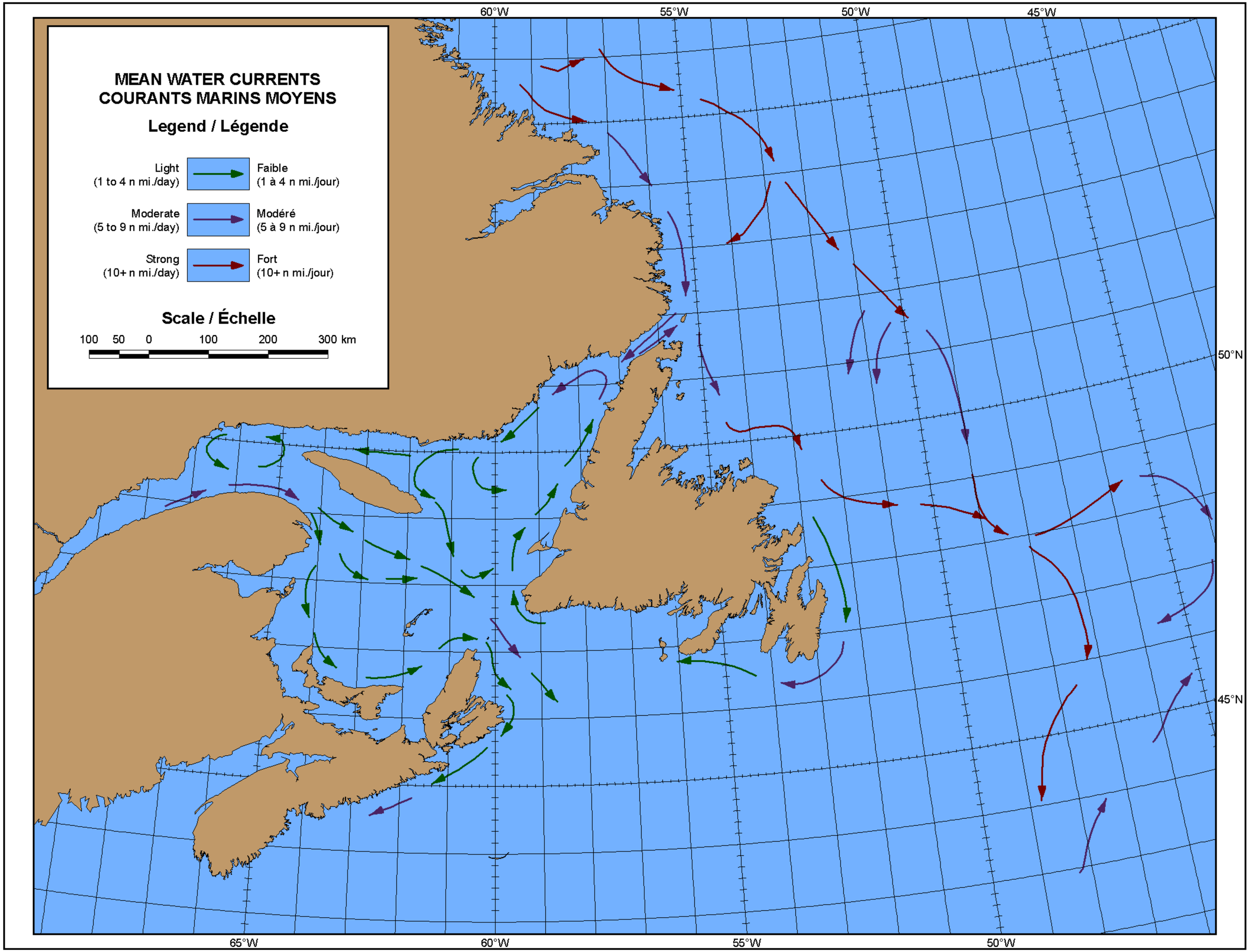
Supporting Maps and Graphs

REFERENCE MAP
East Coast
CARTE DE RÉFÉRENCE
Côte Est
Scale / Échelle
100 50 0 100 200 300 km
60°W
55°W
50°W
45°W
50°N
45°N
65°W
Nain
Voisey's Bay
Hopedale
Cape Harrison
Labrador Sea
Hamilton Inlet
Groswater Bay
Cartwright
Lake Melville
Happy Valley-Goose Bay
Battle Harbour
Belle Isle
Strait of Belle Isle
Cape Bauld
St. Anthony
Blanc-Sablon
Flower's Cove
Northern Peninsula
Pointe Riche
Harrington Harbour
Sept-Îles
Havre-Saint-Pierre
Natashquan
Jacques-Cartier Strait
Cape Whittle
Northeast Arm
Bonne Bay
Daniel's Harbour
White Bay
Notre Dame Bay
Twillingate
Fogo Island
Cape Freels
Pointe-des-Monts
West Point
Anticosti Island
Baie-Comeau
St. Lawrence Estuary
Honguedo Strait
Les Escoumins
Cap-Chat
Matane
Gaspé
Mont-Joli
Heath Point
Bay of Islands
Port au Port Bay
Corner Brook
Botwood
Comfort Cove
Bonavista Bay
Bonavista
Trinity Bay
Baccalieu Island
Conception Bay
Gulf of St. Lawrence
Dalhousie
Chaleur Bay
Miscou Island
Cape St. George
Stephenville
Rivière-du-Loup
Bathurst
Caraquet
Îles de la Madeleine
Cape Anguille
Channel-Port aux Basques
St. John's
Avalon Peninsula
Burin Peninsula
Atlantic Ocean
Miramichi
Cape North
Cabot Strait
Cape Race
Summerside
East Point
Saint-Pierre-et-Miquelon (France)
Sydney
Cape Tormentine
Charlottetown
Scatarie Island
Northumberland Strait
Cape Breton Island
Pictou
Cape George
Chedabucto Bay
Bay of Fundy
Halifax
Sable Island


FREEZE-UP DATES
LES DATES DE L'ENGLACEMENT
Legend / Légende
Dec 04 04 Déc
Dec 18 18 Déc
Jan 01 01 Jan
Jan 15 15 Jan
Jan 29 29 Jan
Feb 12 12 Fév
Feb 26 26 Fév
Mar 12 12 Mars
No Ice - Mar 12 Pas de glace - 12 Mars
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
1981-2010
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

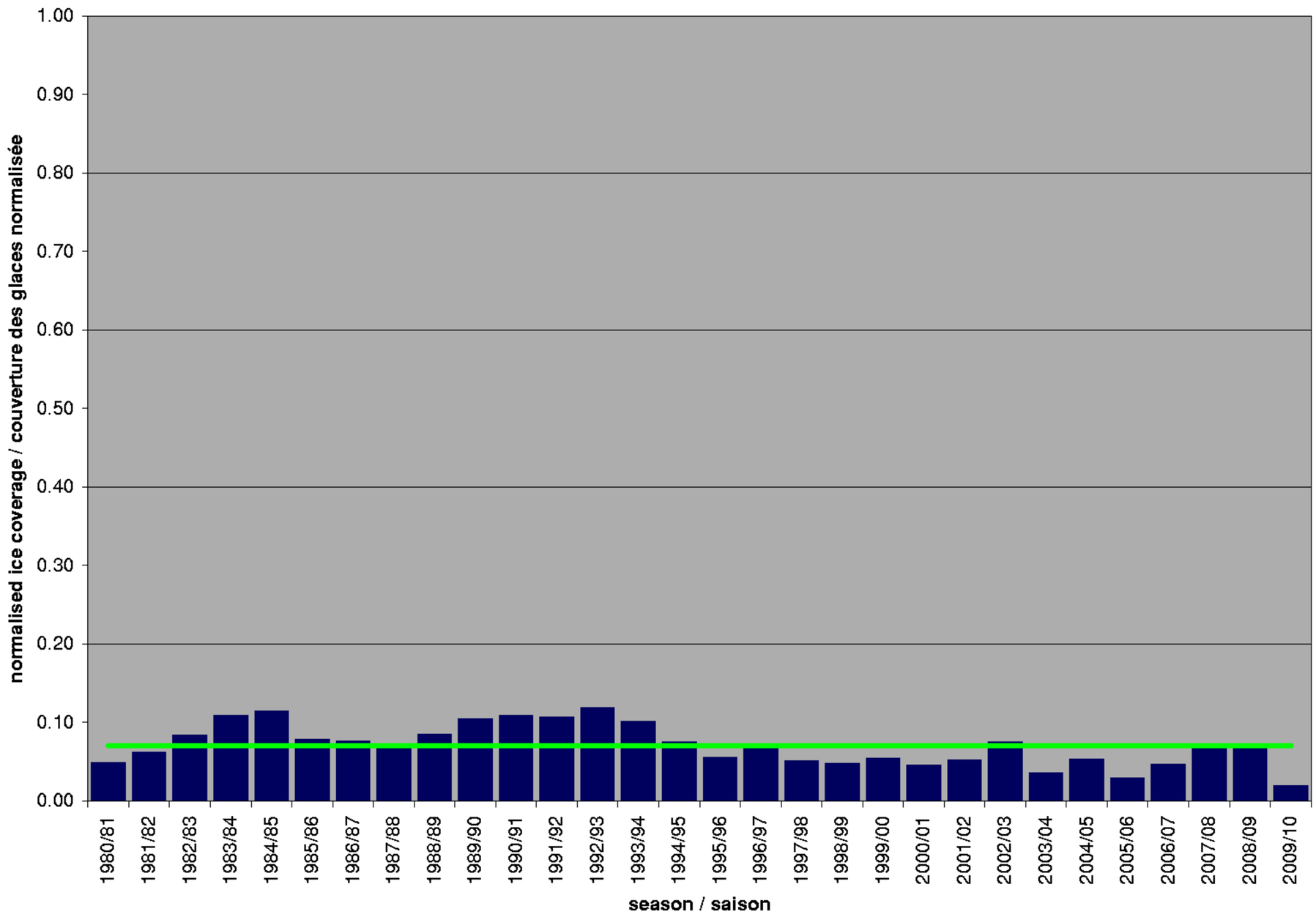

BREAK-UP DATES
LES DATES DU DEGLACEMENT
Legend / Légende
No Ice - Mar 19 Pas de glace - 19 Mars
Mar 19 19 Mars
Apr 02 02 Avr
Apr 16 16 Avr
Apr 30 30 Avr
May 14 14 Mai
May 28 28 Mai
Jun 11 11 Juin
Jun 25 25 Juin
Land Terre
No Data Aucunes données
Scale / Échelle
100 50 0 100 200 300 km
1981-2010
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


BATHYMETRY
BATHYMÉTRIE
Legend / Légende
200 m 200 m
500 m 500 m
1000 m 1000 m
1000+ m 1000+ m
Land Terre
Scale / Échelle
100 50 0 100 200 300 km
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W
Flemish Cap
Madeleine Shallows
Laurentian Channel
Grand Banks
Scotian Shelf


MEAN WATER CURRENTS
COURANTS MARINS MOYENS
Legend / Légende
Light
(1 to 4 n mi./day)
Faible
(1 à 4 n mi./jour)
Moderate
(5 to 9 n mi./day)
Modéré
(5 à 9 n mi./jour)
Strong
(10+ n mi./day)
Fort
(10+ n mi./jour)
Scale / Échelle
100 50 0 100 200 300 km
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W

Environment Canada Environnement Canada

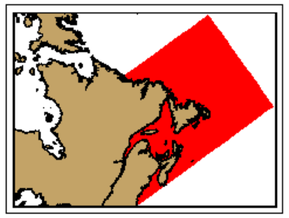
Historical Total Accumulated Ice Coverage 1112 - 0827 / Total accumulé de la couverture des glaces historique 1112 - 0827



Eastern Coast / Côte Est

ice coverage / couverture des glaces

median / médiane



short name / nom en bref:
ECOAST

source region / région source:
EC / CE

ice season (mmdd) / saison des glaces (mmdd):
1112-0827

statistics based upon / les statistiques basées sur:
1980/81-2009/10

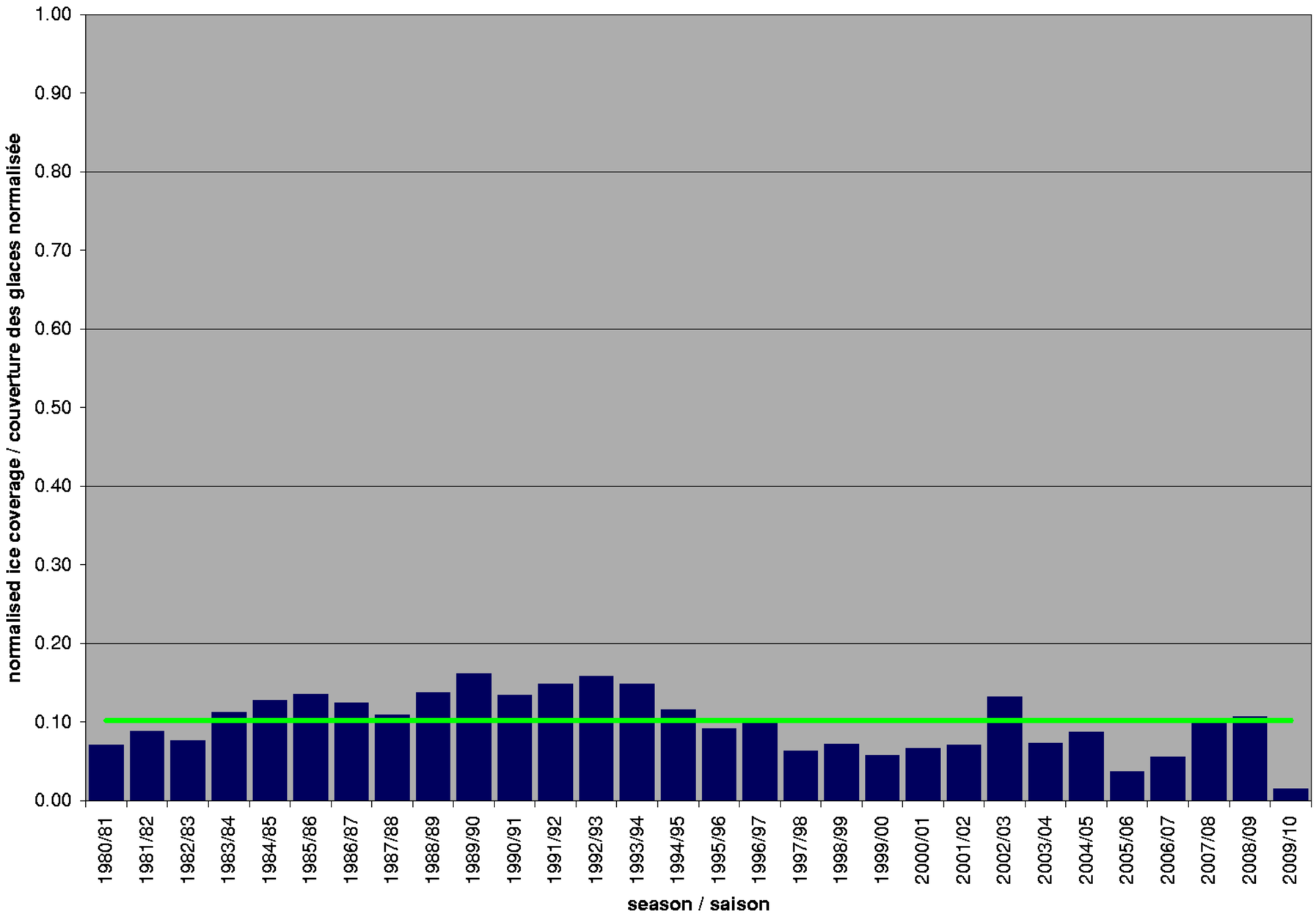
by / par:
CIS / SCG

Canada

Environment Canada Environnement Canada

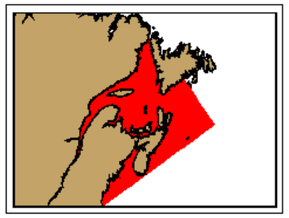
Historical Total Accumulated Ice Coverage 1112 - 0827 / Total accumulé de la couverture des glaces historique 1112 - 0827

CIS EC Gulf of St. Lawrence / CIS EC Golfe du Saint-Laurent



ice coverage / couverture des glaces

median / médiane



short name / nom en bref:
CEC20_00

source region / région source:
EC / CE

ice season (mmdd) / saison des glaces (mmdd):
1112-0827

statistics based upon / les statistiques basées sur:
1980/81-2009/10

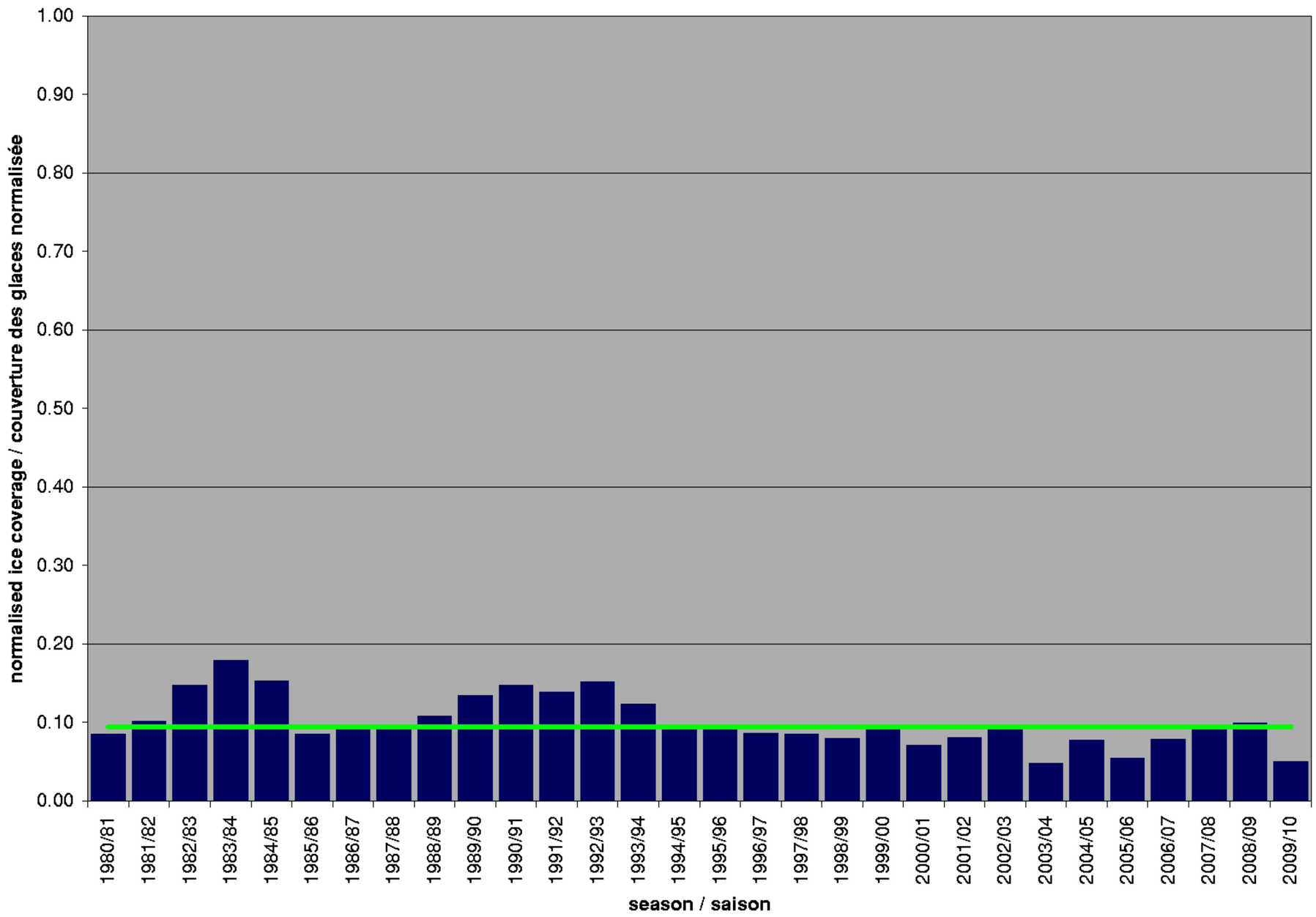
by / par:
CIS / SCG

Canada

Environment Canada Environnement Canada

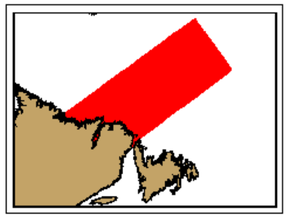
Historical Total Accumulated Ice Coverage 1112 - 0827 / Total accumulé de la couverture des glaces historique 1112 - 0827

CIS EC Southern Labrador Sea / CIS EC Sud de la mer du Labrador



ice coverage / couverture des glaces

median / médiane



short name / nom en bref:
CEC18_00

source region / région source:
EC / CE

ice season (mmdd) / saison des glaces (mmdd):
1112-0827

statistics based upon / les statistiques basées sur:
1980/81-2009/10

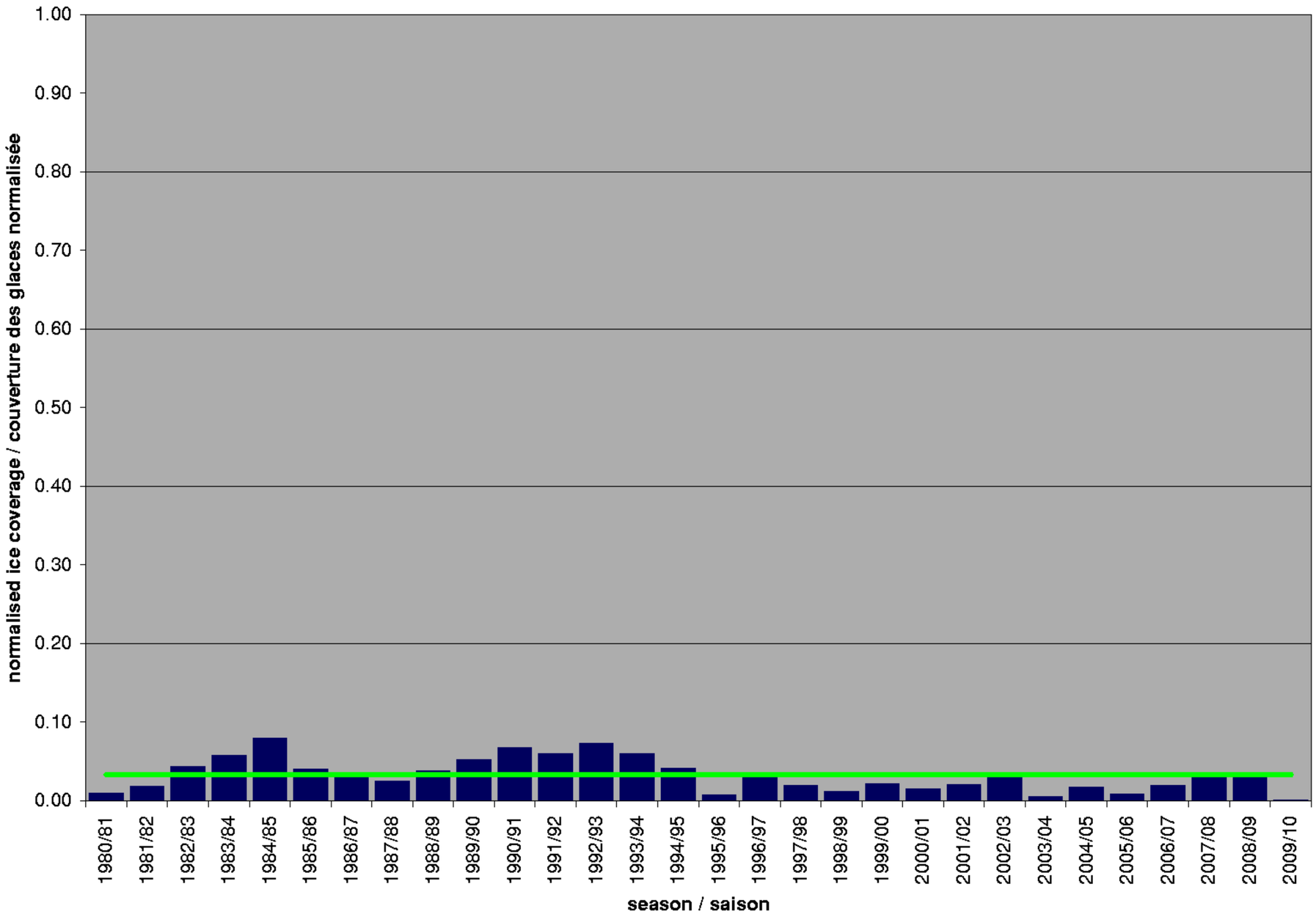
by / par:
CIS / SCG

Canada

Environment Canada Environnement Canada

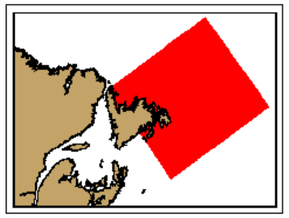
Historical Total Accumulated Ice Coverage 1112 - 0827 / Total accumulé de la couverture des glaces historique 1112 - 0827

CIS EC Grand Banks / CIS EC Grands Bancs



ice coverage / couverture des glaces

median / médiane



short name / nom en bref:
CEC19_00

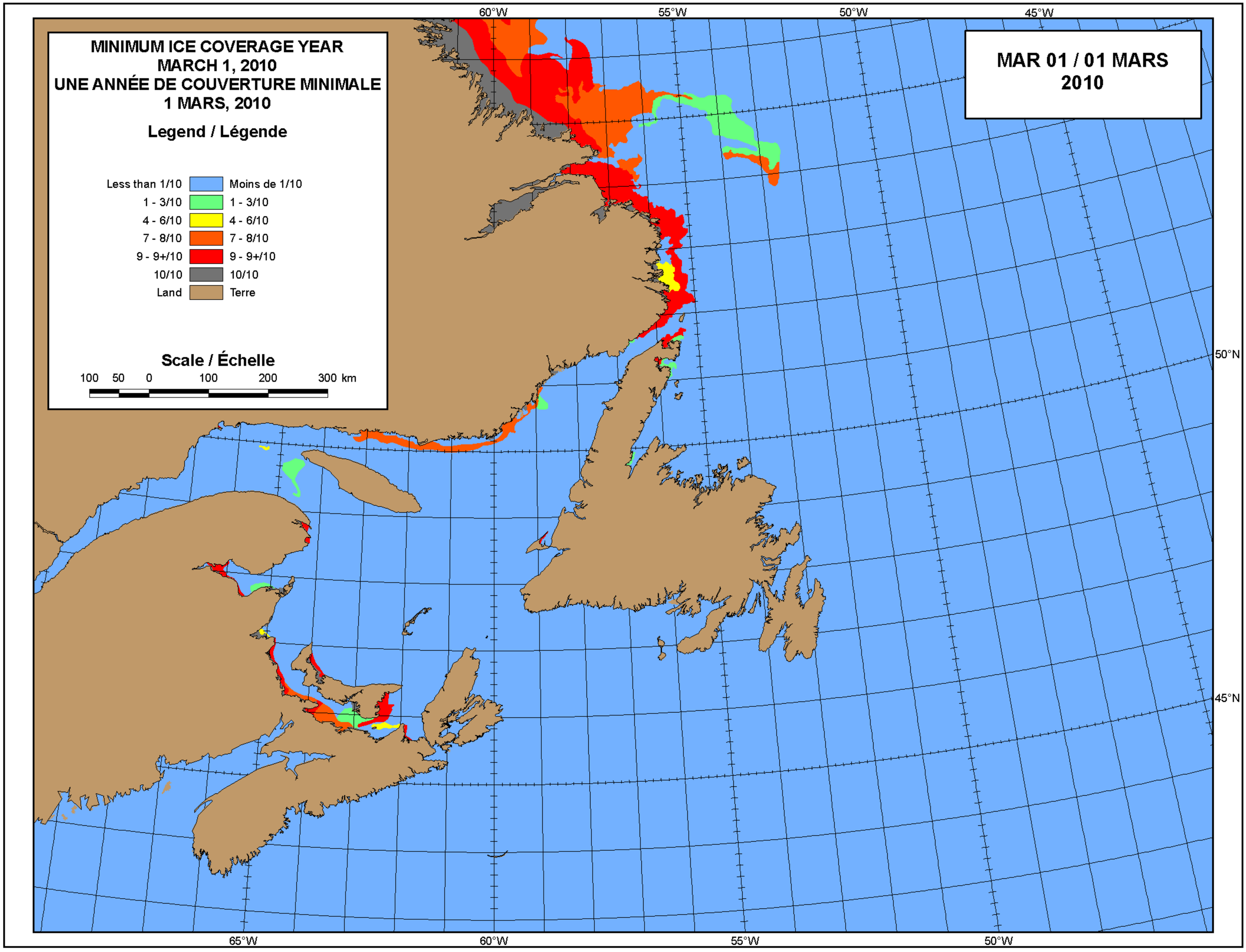
source region / région source:
EC / CE

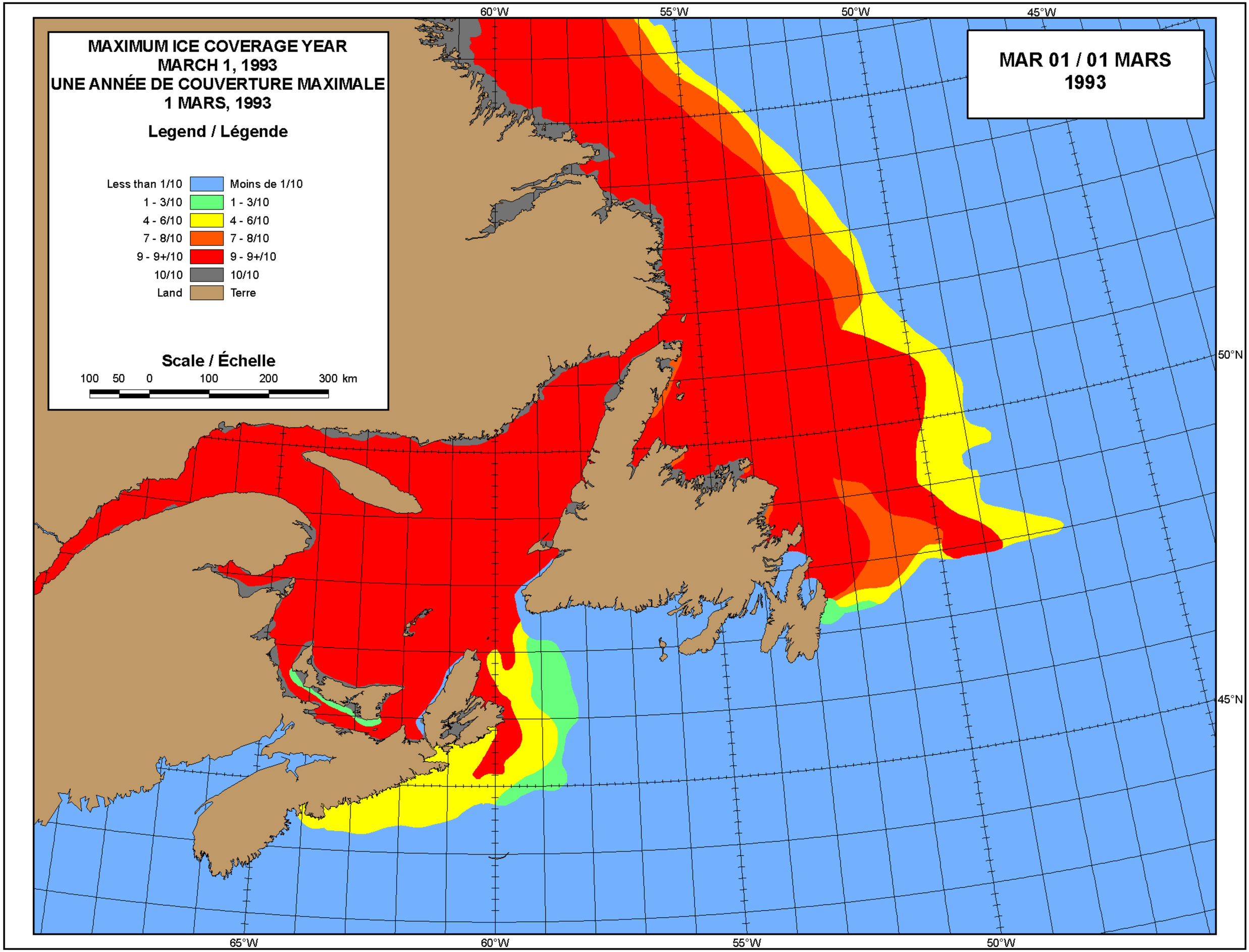
ice season (mmdd) / saison des glaces (mmdd):
1112-0827

statistics based upon / les statistiques basées sur:
1980/81-2009/10

by / par:
CIS / SCG

Canada


MINIMUM ICE COVERAGE YEAR
MARCH 1, 2010
UNE ANNÉE DE COUVERTURE MINIMALE
1 MARS, 2010
Legend / Légende
Less than 1/10
Moins de 1/10
1 - 3/10
1 - 3/10
4 - 6/10
4 - 6/10
7 - 8/10
7 - 8/10
9 - 9+/10
9 - 9+/10
10/10
10/10
Land
Terre
Scale / Échelle
100 50 0 100 200 300 km
MAR 01 / 01 MARS
2010
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W


MAXIMUM ICE COVERAGE YEAR
MARCH 1, 1993
UNE ANNÉE DE COUVERTURE MAXIMALE
1 MARS, 1993
Legend / Légende
Less than 1/10
Moins de 1/10
1 - 3/10
1 - 3/10
4 - 6/10
4 - 6/10
7 - 8/10
7 - 8/10
9 - 9+/10
9 - 9+/10
10/10
10/10
Land
Terre
Scale / Échelle
100 50 0 100 200 300 km
MAR 01 / 01 MARS
1993
60°W
55°W
50°W
45°W
50°N
45°N
65°W
60°W
55°W
50°W