

Deck General

ICE

1 583 Ref: Ice, Concentrations B
Ice concentration is measured in tenths. What concentration range of ice corresponds to "Close Pack"?
A. 9 - 10 tenths C. 4 - 6 tenths
B. 7 - 8 tenths D. 1 - 3 tenths

2 584 Ref: Ice, Concentrations C
Ice concentration is measured in tenths. What concentration range of ice corresponds to "Open Pack"?
A. < 1 tenth C. 4 - 6 tenths
B. 1 - 3 tenths D. 7 - 8 tenths

3 585 Ref: Ice, Concentrations A
Ice concentration is measured in tenths. What concentration range of ice corresponds to 1- 3 tenths?
A. Very Open Pack C. Close Pack
B. Open Pack D. Very Close Pack

4 642 Ref: Ice, Concentrations C
In general, a reinforced vessel can safely navigate in ice provided the concentration does not exceed how many tenths?
A. 1-2 tenths C. 5- 7 tenths
B. 3-4 tenths D. 8- 9 tenths with ice breaker assistance

5 643 Ref: Ice, Concentrations D
In general, an un-reinforced vessel can safely navigate in ice provided the concentration does not exceed how many tenths?
A. 9 - 10 tenths C. 4 - 6 tenths
B. 6 - 8 tenths D. 1 - 3 tenths

6 785 Ref: Ice, Great Lakes, Shore Ice B
On which of the Great Lakes would shore ice be the most pronounced?
A. Lake Michigan C. Lake Huron
B. Lake Superior D. Lake Erie

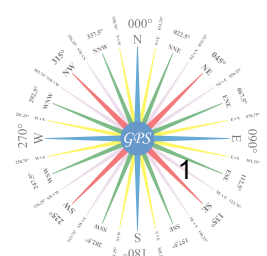
7 1865 Ref: Ice, Hazard A
Which is NOT a potential hazard of approaching close to an iceberg?
A. The brash ice in the vicinity may clog sea intakes.
B. The berg may calve with the bergy bit hitting the vessel.
C. There may be underwater rams extending out from the berg.
D. The berg may suddenly tilt or capsize due to uneven melting and hit the vessel.

8 9 Ref: Ice, Ice Blink C
"Ice blink" is _____.
A. the dark appearance of the underside of a cloud layer due to reflection of a surface of open water
B. the soft light appearance on the underside of a cloud layer due to reflection from a surface of open water
C. the yellowish-white glare on the underside of a cloud layer
D. "water sky"

9 663 Ref: Ice, Polar Navigation C
In polar regions you should NOT expect to see _____.
A. mirage effects C. extensive snowfall
B. sea smoke D. false horizons

10 1167 Ref: Ice, Proximity B
The proximity of pack ice may be indicated by _____.
A. changes in seawater salinity C. changes in air temperature
B. glare on clouds on the horizon D. icebergs

11 1484 Ref: Ice, Proximity A
What is NOT an indication that pack ice may be nearby?
A. The presence of icebergs C. Absence of wave motion
B. Ice blink D. Sighting a walrus in the Arctic



- 12 1597 Ref: Ice, Proximity A
What should NOT be used as an indicator that ice may be nearby?
A. A dark appearance of the sky
B. A gradual drop in sea water temperature to below 32°F
C. A yellowish glare in the sky
D. The presence of seals or certain type birds
- 13 1469 Ref: Ice, Reports D
What is NOT a form used by ice support services to disseminate information?
A. Ice Analyses C. Ice Outlooks
B. Ice Forecasts D. Ice Bulletins
- 14 1435 Ref: Ice, Type, Bergy bit D
What form of ice is of land origin?
A. Shuga C. Spicule
B. Floe D. Bergy bit
- 15 2116 Ref: Ice, Type, Growlers D
Which type of ice is a hazard to navigation?
A. Ice rind C. Frazil ice
B. Pancake ice D. Growlers
- 16 844 Ref: Ice, Type, Hummocky A
Small floes of rough, hummocky sea ice capable of damaging a vessel _____.
A. can usually be detected by radar in a smooth sea at a range of 4 to 6 kilometers
B. are indistinguishable from sea return on the PPI
C. are invisible to radar when covered with a thick layer of snow
D. are usually seen at night before they are close enough to provide a radar echo
- 17 1722 Ref: Ice, Type, Icebergs A
When operating in an area where sea ice and icebergs are present, which statement is TRUE?
A. Icebergs may travel in a direction many degrees different from the sea ice.
B. Both icebergs and sea ice will move in approximately the same direction and at the same speed.
C. Icebergs and sea ice will move in the same direction, but at different speeds due to the sail effect of the berg.
D. Icebergs and sea ice will move in the same direction, but the iceberg will move slower because of its underwater bulk.
- 18 734 Ref: Ice, Type, Multi-year B
Multi-year ice is the hardest sea ice and should be avoided if possible. It is recognizable because of what tone to its surface color?
A. Greenish C. Grey
B. Bluish D. Grey-white
- 19 2117 Ref: Ice, Type, Pack slush ice D
Which type of ice is the most difficult to combat and presents the greatest hazard to shipping on the Great Lakes during the winter months?
A. Icebergs C. Slow ice
B. Fast ice D. Pack slush ice
- 20 489 Ref: Ice, Whiteout B
During a period of "whiteout", you should expect which of the following?
A. Snowfall or blowing snow
B. Lack of ability to estimate distance
C. Harsh contrast between sun-illuminated snow cover and the background
D. Hazy horizons with extensive mirage effects
- 21 846 Ref: Ice, Whiteout B
Snow has obliterated surface features and the sky is covered with uniform, altostratus clouds. There are no shadows and the horizon has disappeared. What is this condition called?
A. Ice blink C. Water sky
B. Whiteout D. Aurora reflection

