








Ice Forecast - Ukrainian ports

First of all latest satellite condition of North part of Black Sea and Azov Sea:



| Ice Forecast - UKRAINE |              |  |                      |  |   |
|------------------------|--------------|--|----------------------|--|---|
| Port name              | Area         | FORECAST   | ICE CAMPAIGN         | Temperature / Ice Conditions / 02.02.2017  | REQUIREMENTS (in case ice campaign announced) |
| Berdyansk/Mariupol     | Azov Sea     | <br>Ice campaign will be in force till beginning of March | ANNOUNCED 03.02.2017 | Azov Sea sea covered by ice thickness abt 20 cm, Mariupol approaching canal is packed with ice<br>Air: -1 degr C | <u>Ice class Needed,</u><br>at least IC/1C    |
| Izmail/Reni            | River Danube | <br>ice campaign will be in                               | ANNOUNCED 10.01.2017 | Ice flowing started, Reni & Izmail traffic   | <u>Ice class Needed</u>                       |

|   |                 |  |   |                                |  |
|---|-----------------|--|---|--------------------------------|--|
|   |                 | force<br>up to end<br>February   |   |                                | <b>resumed</b><br>Air: -2 degr C   |
| Nikolaev/<br>Nika-Tera/<br>Dneprobugskiy<br>Olvia | River<br>Bug    | ice<br>campaign<br>will be in<br>force<br>up to end<br>February              |    | <b>ANNOUNCED</b><br>06.01.2017 | Port and river<br>canal covered<br>by easy/medium<br>passable ice 10-20 cm<br>however at<br>canal entrance<br>hard passable<br>ice<br>bridges up to<br>60 cm<br>Air: -3 degr C<br><u>Ice class</u><br><u>Needed</u><br>or<br><u>Single entry</u><br><u>permission</u><br><u>from Class</u> |
| Kherson   | River<br>Dnipro | ice<br>campaign<br>will be in<br>force<br>up to end<br>February              |    | <b>ANNOUNCED</b><br>10.01.2017 | Port and river<br>canal covered<br>by medium<br>passable ice 10-20 cm<br>ice bridges 60<br>cm at canal<br>entrance<br>Air: -2 degr C<br><u>Ice class</u><br><u>Needed</u><br>or<br><u>Single entry</u><br><u>permission</u><br><u>from Class</u>   |
| Odessa  | Black<br>Sea    | ice<br>campaign<br>will be in<br>force<br>up to end<br>February              |  | <b>ANNOUNCED</b><br>18.01.2017 | Port Harbour<br>is covered<br>with easy<br>passable<br>ice<br>cakes/crushed<br>ice 5-15 cm<br>Air: -3 degr C<br><u>Guarantee</u><br><u>letter fm</u><br><u>owners</u><br>needed to<br>entry port   |
| Chornomorsk                                       | Black<br>Sea    | ice<br>campaign<br>will be in<br>force<br>up to end<br>February              |  | <b>ANNOUNCED</b><br>05.02.2017 | Port Harbour<br>is covered<br>with easy<br>passable<br>ice<br>cakes/crushed<br>ice 5-15 cm<br>Air: -3 degr C<br><u>Guarantee</u><br><u>letter fm</u><br><u>owners</u><br>needed to<br>entry port   |
| Yuzhny  | Black<br>Sea    | most<br>probably<br>there will<br>be no ice<br>campaign<br>this<br>winter at |  | <b>NOT</b><br><b>ANNOUNCED</b> | Port Harbour<br>is ice free<br>Air: -3 degr C<br>No<br>requirements<br>now   |

Yuzhny  
port

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Ice Situation in Danube:

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Danube River:

- Braila: flowing ice 30%
- Galati: flowing ice 10 %
- NM 44 - Tulcea: flowing ice 50-90%
- Sulina canal: flowing/ stationary crushed ice 90-100%
- Sulina port: flowing ice 10%
- Sulina bar: flowing ice 30%
- Reni 64-mile: ice flowing ice 30%

Tugs of Sulina canal administration are assisting ships to pass through ice.

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Ice Situation Bugskiy-Dneprovskiy Canals (Port Nikolaev) & Kherson Canals:

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**All Azov Sea sea is now covered by ice, approximate ice thickness 20 cm in sea traffic is arranged in convoys.**

**Bugskiy-Dneprovskiy canal:**

- 1 st elbow: Clean water
- 2 nd elbow: Crushed ice 10 cm
- 3 rd elbow: Crushed ice 20 cm, ice bridges
- 4-th elbow: Ice fields 20 cm, moving south
- 5-th elbow: Crushed ice 10-15 cm, easy passable
- 6 st elbow: Crushed ice 10-15 cm, easy passable
- 7 th elbow: Crushed ice 20-30 cm, medium passable
- 8 th elbow: Crushed ice 20-30 cm, medium passable
- 9-th elbow: Crushed ice 25-30 cm, medium passable
- 10-th elbow: Crushed ice 25-30 cm, medium passable
- 11 th elbow: Crushed ice 25-30 cm, medium passable
- 12 th elbow: Crushed ice 25-30 cm, medium passable

**Kherson canal:**

- 1 st elbow: Ice bridges/ Ice Drift up to 60 cm, hard passable
- 2 nd elbow: Ice-drift 15-20 cm, medium passable
- 3 rd elbow: Clean water
- Rvach River : Crushed ice 10-15 cm, easy passable
- Dnipro River: Crushed ice 10-15 cm, easy passable

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**Ukrainian Black Sea Deep Sea Ports:**

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Odessa - Port is covered by ice plates/crushed ice, easy passable

Chornomorsk - Port is covered by ice plates/crushed ice, easy passable

Yuzhny - There is only some single floating ice cakes in harbour,  
and 98% of harbour is ice free. Ice campaign will not be  
announced this winter in Yuzhny Port most probably.

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**Azov Sea Ports (Mariupol and Berdyansk):**

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All Azov Sea sea is now covered by ice, approximate ice thickness 20 cm in  
sea  
traffic is arranged only in convoys, following the ice breaker.

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