

**Dataset:** Icebreaker dates and ice edge distance in McMurdo Sound, Antarctica from austral years 1956/1957 to 2014/2015 (McMurdo Predator Prey project)

**Project(s):** Food web dynamics in an intact ecosystem: the role of top predators in McMurdo Sound (McMurdo Predator Prey)

**Abstract:** The icebreaker channel from the fast ice edge to McMurdo Station has been created each year since 1956, with the location of the channel remaining consistent, by and large, over the entire period. Dates of the icebreaker arrival at the fast ice edge and/or at McMurdo Station since 1957 were acquired from scientist and icebreaker logbooks and contractor records (DACSUSAP2012-13; pers. comm. P. McGillivray USCG), along with the distance, which was measured by radar from the fast ice edge to McMurdo Station on the date that the icebreaker began breaking fast ice. For a complete list of measurements, refer to the supplemental document 'Field\_names.pdf', and a full dataset description is included in the supplemental file 'Dataset\_description.pdf'. The most current version of this dataset is available at: <http://www.bco-dmo.org/dataset/674992>

**Description:** Icebreaker dates and ice edge distance in McMurdo Sound, Antarctica

This dataset contains dates of icebreaker start and arrival at McMurdo Station in McMurdo Sound, Antarctica between austral years 1956/1957 and 2014/2015. It also includes the distance between the fast ice edge and McMurdo Station on the date of ship arrival at the fast ice edge.

**Acquisition Description:** Data were acquired from scientist and icebreaker logbooks and contractor records (DACSUSAP2012-13, pers. comm. P. McGillivray USCG, see link below). See deployment: [McMurdo IceBreakers 1957-2015](#) for a list of icebreakers used.

External link to more information about ice-breaking services at McMurdo Station, Antarctica:

\* [DACSUSAP2012-13 Ice-breaking Services](#)

**Processing Description:** Note: The arrival day "12" for the icebreaker Vladimir ignatyuk for the 2013 season is uncertain.

Blanks indicate no data were collected.

**BCO-DMO Data Manager Processing Notes:**

- \* added a conventional header with dataset name, PI name, version date
- \* modified parameter names to conform with BCO-DMO naming conventions
- \* blank values replaced with no data value 'nd'
- \* added data column "austral\_year" for clarification when start year is before the austral year.
- \* added approximate latitude and longitude of sampling location near McMurdo Station.

## Project Information

**Food web dynamics in an intact ecosystem: the role of top predators in McMurdo Sound**

## Deployment Information

### **Deployment description for McMurdo Station McMurdo\_IceBreakers\_1957-2015**

Icebreaker vessels used in McMurdo Sound for the seasons 1957 to 2015: Atka Polar star Polar sea Oden Glacier Krasin Edisto Burton island Staten island Vladimir ignatyuk Healy Northwind Southwind Eastwind Westwind

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