



NORMAL



BLOOM

1
00:00:00,200 --> 00:00:05,980

[Bells]

2
00:00:08,050 --> 00:00:13,530

Scientists have found a massive phytoplankton bloom growing beneath sea ice in the Arctic.

3
00:00:13,550 --> 00:00:21,980

The discovery, captured on video and shown here, stunned scientists, as an under-ice bloom of this size has n

4
00:00:24,000 --> 00:00:32,980

The bloom was spotted last summer by a team of scientists collecting field measurements for NASA's ICESCA

5
00:00:34,000 --> 00:00:41,480

Sampling took place at multiple sites along two tracks of ice-covered water in the Chukchi Sea, just north of Ala

6
00:00:42,160 --> 00:00:52,230

According to observations, the bloom extended for more than 60 miles from the ice edge into the sea ice pack

7
00:00:53,020 --> 00:01:04,980

Video footage taken below the sea ice at two different study sites contrasts the Arctic's typically barren and dar

8
00:01:05,760 --> 00:01:13,980

The blooms consisted mainly of diatoms -- microscopic plants that make up the base of the marine food chain

9
00:01:14,760 --> 00:01:24,180

Scientists previously thought blooms were limited to ice-free expanses of open water, where sunlight isn't refle

10
00:01:24,200 --> 00:01:33,980

But thinning ice and an increase in melt ponds has allowed more sunlight to reach the water below the sea ice