

# Polar Bear Science

Welcome to our lab website!

Home

Our Research

Photo Gallery

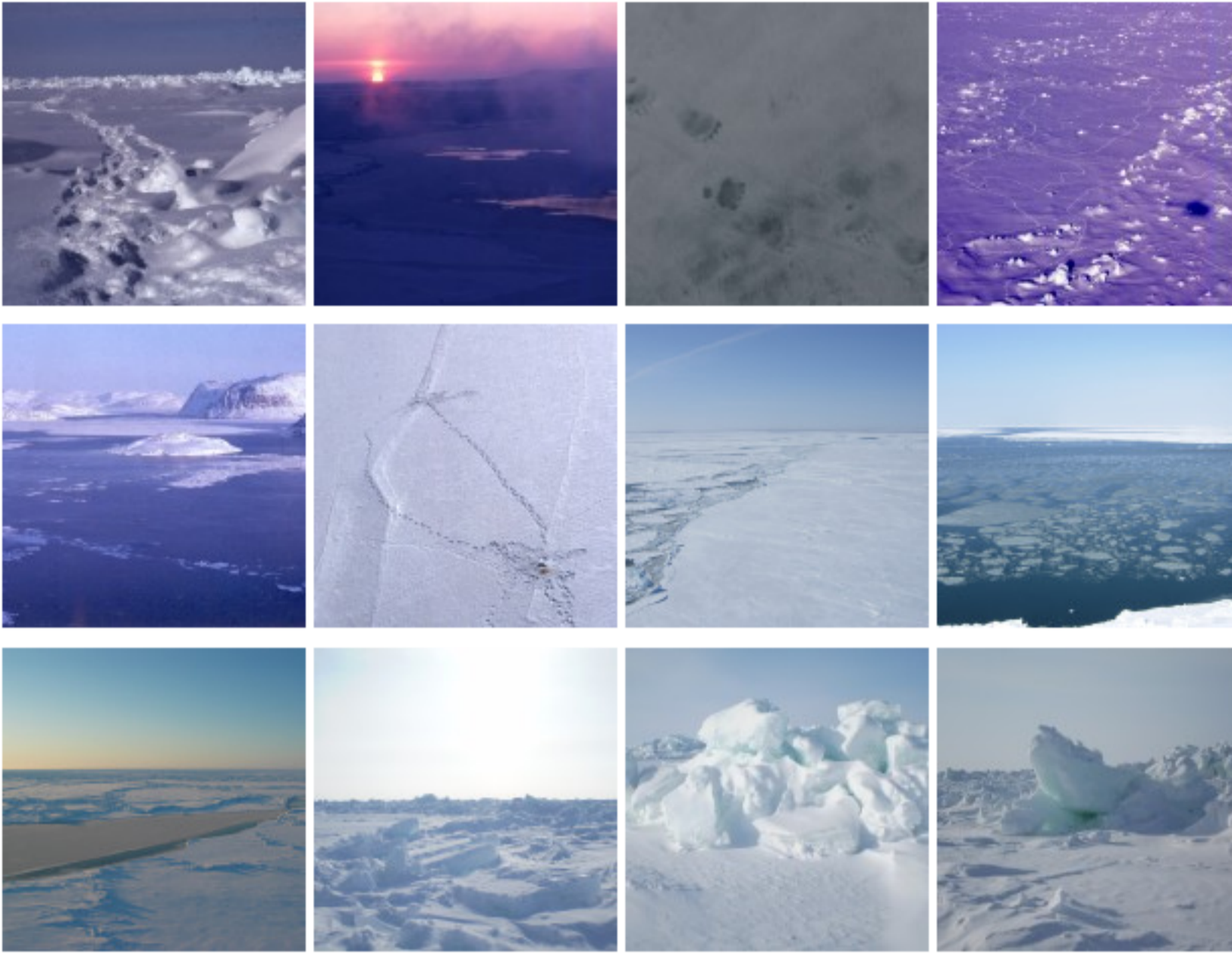
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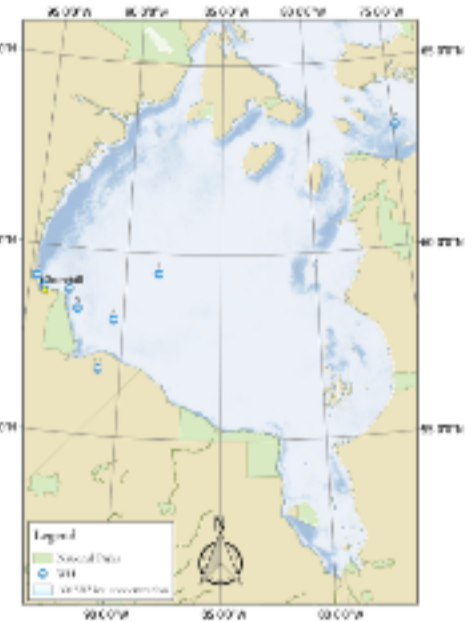
Tweets

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**Derocher Lab** @pbear\_research 22 May  
.@BioThea @PolarBears Thanks! It was great filming the "polar bear poop" segment with you!  
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**Derocher Lab** @pbear\_research 6 May  
Our Eastern pathfinder continues her bout. #polarbear P has closed the 75th meridian.  
[pic.twitter.com/XF8UH9pRZD](http://pic.twitter.com/XF8UH9pRZD)

Hudson Bay Polar Bears  
May, 06, 2015



**Andrew Derocher** @AEDerocher 5 May  
New paper: longest dive for #polarbears 3 min 10 s & swam 45-50 m without a breath. Hunting bearded seals. [pic.twitter.com/TYDrswMDs9](http://pic.twitter.com/TYDrswMDs9)  
Retweeted by Derocher Lab

**Longest recorded underwater dive by a polar bear**  
by [Wendy J. Dunbar](#)

**Abstract** The maximum time a polar bear can hold its breath is unknown. We investigated this by observing a bear as it hunted for seals in the Hudson Bay. The bear held its breath for 3 min 10 s and swam 45-50 m without a breath. This is the longest recorded underwater dive by a polar bear. The duration of this dive was approximately 10% longer than the longest recorded dive by a human. The bear's heart rate was 100 beats per minute during the dive. The bear's breathing apparatus was not used during the dive. The bear's breathing apparatus was not used during the dive. The bear's breathing apparatus was not used during the dive.

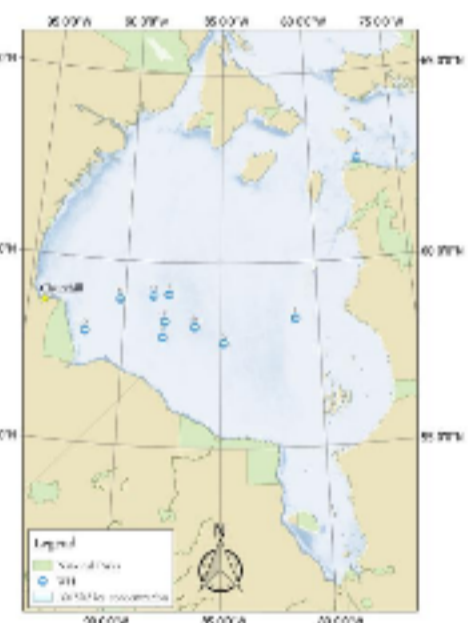
**Keywords:** Polar bear, Underwater, Dive, Beaked seal, Hunting, Bay.

**Introduction** Bears are the only land mammals that can hold their breath for extended periods. Bears can hold their breath for up to 10 minutes. This is a remarkable feat for a mammal. The bear's breathing apparatus is not used during the dive. The bear's breathing apparatus is not used during the dive. The bear's breathing apparatus is not used during the dive.

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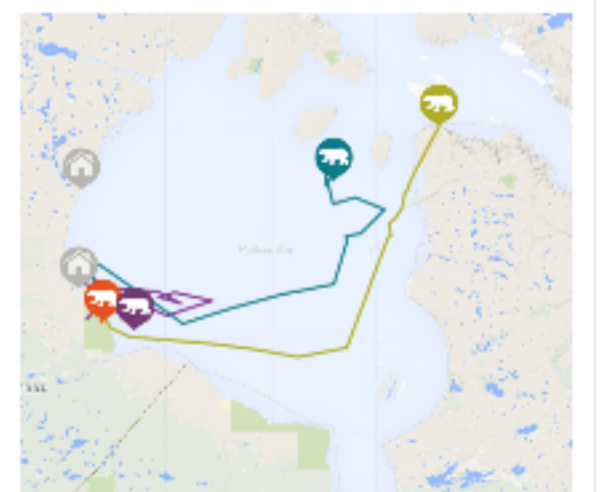
**Andrew Derocher** @AEDerocher 7 Apr  
W Hudson Bay #polarbears all over. Bear A went 400 km (250 miles) to SW in 1 week. Extraordinary: 3 or 4 x normal [pic.twitter.com/1W6CGqjwLJ](http://pic.twitter.com/1W6CGqjwLJ)  
Retweeted by Derocher Lab

Hudson Bay Polar Bears  
Apr. 07, 2015



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**Derocher Lab** @pbear\_research 1 Apr  
We've never seen a West Hudson Bay #polarbear this far east! follow #teammgreenbear with #WWF: [tinyurl.com/pqghkas](http://tinyurl.com/pqghkas) [pic.twitter.com/wScTtZKb9U](http://pic.twitter.com/wScTtZKb9U)



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