



# DUNE EDUCATION & TOUR

Learning Subject: **SAND DUNE HABITAT, BIODIVERSITY & ECOSYSTEM**

The Pinhey Sand Dunes system located in the National Capital Greenbelt, Nepean, Ontario, Canada, is an inland dunes system which was formed around 9,000 years ago, and was nearly destroyed totally in 2010. The restoration of the system has been undertaken since 2011. To date ~1% of the original 4 square kilometer dune system has been restored. This education program is provided by Biodiversity Conservancy International as an important part of its effort in engaging the youth and the public to take part in the conservation of the rare and unique habitat, biodiversity and ecosystem of the Pinhey Sand Dunes in Canada's Capital,



This composite image created to simulate the likely appearance of the embryonic stage of the Pinhey Sand Dunes on the shore of the Champlain Sea 9,000 years ago (or before present [BP]).



A restored part of the Pinhey Sand Dunes (Dunes 2) in the Summer of 2020.

Sample of Dune  
BIODIVERSITY



Ghost Tiger Beetle



Assassin Fly



Beach Wolf Spider



Velvet Ant

## Did you know?

1. There are sand dunes in Canada's Capital.
2. These dunes were formed ~9,000 BP and recently have been restored from densely planted pine forests, known as the Pinhey Sand Dunes (PSD).
3. The PSD biodiversity and ecosystem are unique, consisting of groups of plants and animals (mostly invertebrates) that have lived and thrived in the extreme environment of PSD for thousands of years.
4. The highest temperature recorded on the PSD sand is a skin scorching 72.5°C.
5. The PSD are a sanctuary for butterflies and pollinators.
6. The PSD have been recognized as a geoheritage site in Ottawa Gatineau.

Website: <http://www.biodiversityconservancy.org>

## REGISTER TO PARTICIPATE

Please select	On-Site		Virtual	
School/Organization				
Teacher/Leader/Tel.				
Number of participants				
Preferred Date				

Fill out & Save, then Email to: [info@biodiversityconservancy.org](mailto:info@biodiversityconservancy.org)

