

Pine Island Glacier Expedition

NPS researchers measure circulation and ocean-ice interactions at three locations under the ice sheet

Drill Site C Drill Site A Drill Site B

Approx. 450 meters

Current flows back to sea under the shelf, melting a series of channels in the glacial underbelly

Warm water flows toward the glacier grounding point, melting the ice to form a fresh buoyant plume

Glacier extends 37 miles into the Pine Island Bay

Ice Cavity Profiler

