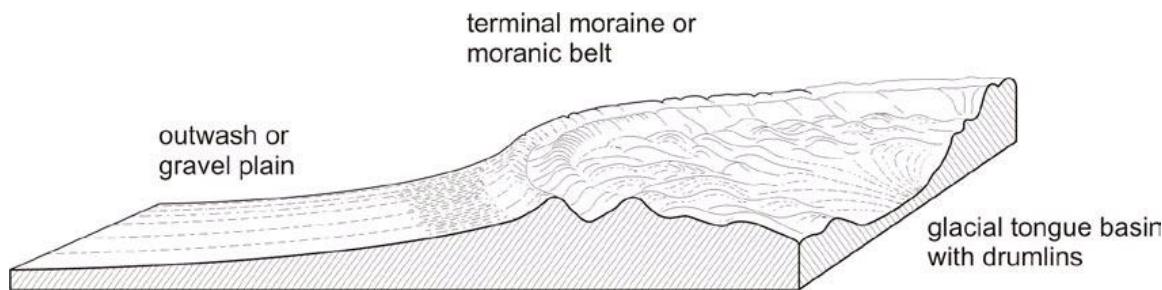


Moraine vs. Outwash Slope Comparison

Activity Overview

In this activity, students compare the shapes and slopes of two major glacial landforms found on the Ringle Segment: the Hancock Moraine and the outwash plain. Students will sketch, describe, and explain what these differences reveal about how the glacier and meltwater shaped the region.



Step-by-Step Instructions

1. Lead students to a location where both the moraine slope and the outwash plain are visible.
2. Ask students to observe the steepness, continuity, and texture of the moraine slope.
3. Have students compare this with the gentle, broad outwash plain.
4. Students sketch both slopes in their notebooks.
5. Facilitate a discussion on how ice deposits sediment differently from water.

<https://www.youtube.com/watch?v=4jDOXoLYBnI>

Teacher Notes

- Moraine slopes are steeper because they form where debris collects at an ice margin.
- Outwash plains are gentler because meltwater spreads and sorts sediments.
- Encourage students to look for evidence of sorting vs. mixing.