

North Head Site Pilot Project Placement and Monitoring

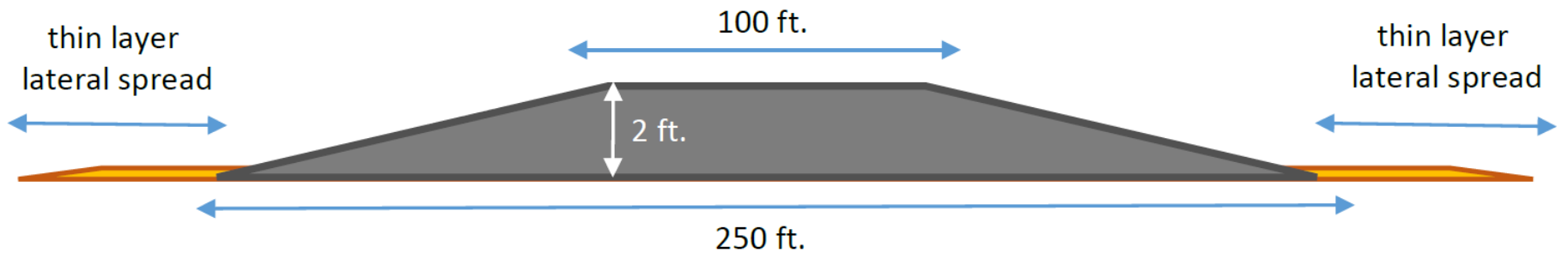
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Proposal: Build a detectable feature on the North Head Site seafloor in about 35-50 ft. water depth to observe sediment dispersion. A feature of 2-ft. high in about 35-40 ft. water depth.



- A One-Time Experiment to measure dispersion
- Low-relief Accumulation on Seabed using thin-layer placement
- No effect on Waves: 2 ft. of mounding of dredged material in 35-50 ft. water depth will not affect wave action.
- Minimal-Impact on Benthos: Thin-layer placement along 1 transect (dump alignment) for 6-10 dumps. Each dump to be placed 2-3 hours apart. Successive placement will span about 24 hours.
- Observations: NOAA CamPods and successive bathymetry surveys to detect changes in mound geometry and volume over time.
- Calibration of Sediment Transport Model by USGS