## **Group Number Strategies and Solutions Comments/Questions** Justification for purpose: Move path back. Group 1 • **Overall bank** Infiltration? Water seeping out. assessment – poor. Cut off drain • Justification for purpose: Movement of water above: control seepage, vegetative Costs to relocate path buffer at upland, bank upslope improvement, coir logs Low costs with plantings, oyster bags and aquaculture, willow, Movement of sediment speckled alder, low growing sumac. and toe American beach grass: substrate improvement. Understanding of hydrology and infiltration Questions: Add a large aggregate rock, but allow seepage and ٠ Group 2 What are the future water flow without taking sediment with it. conditions? Due to SLR Floating attenuator (logs), stakes with rope ties • and climate change. Filter fabric, coir blankets • What exactly are the Ice, ice, ice shoreland zone Logs braced by trees to slow water • regulations? Bedrock location, is it shallow to bedrock? Insufficient . to establish plants. Correct profile at HAT • Friable soils, surface runoff ٠ Rhizomes Bedrock anchors . Increase complexity of entering wave: wave • attenuation builds up energy Establish temporary stage • Cutting trees = more sun. • Ground water on slope NA Boulders to attenuate waves Group 3 • Cut vulnerable trees but leave root balls to avoid future • soil loss. Lay tree across the sites • Groundwater discharge at toe of slope Top of bank – encourage more of buffer and logs to catch material, organic component to interrupt slope side **Terracing like Pocket Beach** • • Need to get into intertidal zone or it will become subtidal. Constraints and opportunities: First define what is the mechanism for engineering Group 4 • Use of path specific structures. Water runoff Plant material. No vegetative buffers • Water diversion using vegetative buffers. Fetch Changing type of foot path. Slope: plant natives that are native to the upper part of Seepage • slope, also get plants that are salt water tolerant to Positioning of ledge Poor soil stability ocean spray. Use big rocks, "natural" distribution boulders that are Type of vegetation • • big enough to keep toe down. (understudy) Combination of big rocks, coir logs, logs, root wads. • Expose toe of slope ٠ Salt marsh plugs maybe, if the environment is marsh.

## Mackworth Island Flip Chart Summaries