

ENCAPSULATED SOIL LIFTS

STEP-BY-STEP

WITH MEG CARTER, NORTHWOODS STEWARDSHIP CENTER



STEPS

- 1 TURBIDITY CURTAIN
- 2 EXCAVATE SHELF
- 3 GEOTEXTILE & STONE TOE
- 4 LIFTS & PLANTS
- 5 CARE & PROTECTION
EDUCATION



TURBIDITY CURTAIN

MUST BE DEPLOYED BEFORE
EARTH WORK STARTS TO
CATCH SEDIMENT IN THE
WATER & KEEP IT LOCALIZED TO
PROJECT AREA, 3-5 OFF
SHORE







EXCAVATE A SHELF

CREATE AN AREA WHERE A SOLID STONE TOE CAN BE BUILT, WRAPPED IN NON-WOVEN GEOTEXTILE FABRIC



GEOTEXTILE & STONE TOE

WRAP HILLWARD STONE TOE IN
GEOTEXTILE, OPEN STONE ON
WATER SIDE





LIFTS

BIO-D BLOCKS
AROUND
STRAW EROSION CONTROL BLANKET
AROUND
SOIL

























PLANTS

UNDER BIO-D BLOCKS, INTO TOP OF
LIFTS, SEEDED



Lake Bomoseen, Castleton - Encapsulated Soil Lifts



Before



2017 Installation



2020 Three Years Later





STAKING & STACKING

TIGHTLY STAKE BACK LANDWARD
BLANKET ENDS, STACK UP STAGGERED
UPLAND (CAN BE FAIRLY STEEP)



CARE & MAINTENANCE & EDUCATION

WATERING, NO MOW ZONE,
INVASIVES WATCH, ADDING PLANTS,
EXCLUDING FOOT TRAFFIC, SIGNAGE

MEG CARTER

THANK YOU!
QUESTIONS?

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