

BC 16 Passive Treatment System
SRI O&M TAG Project #76 Request #1
OSM PTS ID: PA-246

Requesting Organization: Slippery Rock Watershed Coalition

Requesting Organization Representative: Cliff Denholm

Dates Work Performed On-Site: 2/8/2024-3/7/2024

Initial Request: On 11/29/2023, the Slippery Rock Watershed Coalition (SRWC) requested assistance for the BC16 passive treatment system. The SRWC reported several issues at the site including:

- HFLB stone needed washed and vegetation removed.
- General sludge removal from the system as feasible to Blacks Creek Maintenance Pond.

Work Completed: BioMost personnel performed the following maintenance and site characterizations:

- Removal of vegetation and sediment from surface of HFLB.
- Washed stone within HFLB and pumped sludge to Blacks Creek Maintenance Pond.
- Re-built embankment around the system outlet weir for more accurate flow measurements, armored with stone.
- Repaired embankment of wetland where it was noticed to be breached and overtopping.

It is noted that surficial flow on the HFLB was only present on a portion of the stone near the outlet of the wetland. Additionally, other seeps along the toe of the slope uphill of the wetland appear to contribute some amount of flow to the system.

Recommendations & Future Considerations: On-going water monitoring and site inspections should continue. A staff gauge will be provided and installed for accurate measurement of the outlet weir.

Photo Log



Top Left: Outlet weir was compromised prior to maintenance (2/8/24).

Top Right: A portion of the HFLB was flowing at the surface due to vegetation and sediment prior to maintenance (2/21/24).

Bottom Left: Outlet weir after improvements and maintenance (2/21/24).

Bottom Right: Stone in the HFLB was washed. Care was taken to avoid damage to the raw water conveyance pipe which runs through the HFLB, pictured center-left (3/6/24).



Top Left: Breach in wetland embankment (3/7/24).
Top Right: Repaired wetland embankment (3/7/24).
Bottom: Cleaned HFLB limestone (3/7/24).