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Effect of weathering on mobilization of biochar particles and bacterial removal in a stormwater biofilter

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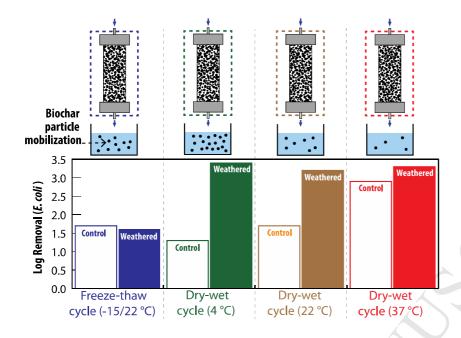
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Graphical Abstract

2 Highlights:

- Effect of weathering conditions on *E. voli* removal capacity of biochar was tested.
- Dry-wet and freeze-thaw cycles mobilized biochar particles from biofilters.
- Biochar particle mobilization was greater at low-temperature conditions.
- Natural organic matter exhausted *E. voli* attachment sites on biochar.
- Dry-wet cycles replenished attachment sites and enhanced *E. coli* removal.

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