

A photograph of a stream with a rocky bank and a log structure, with a barn and house in the background. The stream is the central focus, with water flowing over rocks. The bank is reinforced with large grey rocks and several large logs. In the background, there is a green barn and a white house with a red roof, surrounded by trees.

# Shobers Run Habitat Improvement and Sediment Reduction

2021 to 2023

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Phase One (2021) – Construction of two modified mud-sills and two log-framed stone deflectors

Phase Two (2023) – Filling and regrading stream bank above and behind larger Phase One mud-sill

Phase Three (2023) – Construction of nine additional devices upstream from the Phase One work

## Phase One

These two images illustrate the main area of focus for Phase One from upstream (right) and downstream (below). The landowner of the property with the blue shed was the first to contact the CD and FBTU. This site has the largest area of eroding vertical stream bank in the entire project area.



These photos were taken on February 4, 2020

## Phase One



Mobilizing – August 5, 2021



## Phase One



August 5, 2021 – Upstream and ‘around-the-corner” from the large mud-sill location, a small mud-sill and root wad were placed on an undercut eroding bank.

Note: This work corresponds to the device to the left of the “B” on the plan view aerial photo of the project area.

## Phase One



August 6, 2021 – Cutting first trenches and placing sill logs.



Note: This work corresponds to the device to the left of the “A” on the plan view aerial photo of the project area.

## Phase One

August 6, 2021 – Placing and pinning face logs.



Note: This work corresponds to the device to the left of the “A” on the plan view aerial photo of the project area.



## Phase One



August 6 – The pros from Dover



August 7 – Large rock appears on mud-sill.



August 7 – Log-framed rock deflector adjacent to large mud-sill.



## Phase One



August 7, 2021 – Smoothing tire ruts and picking rocks.

August 7, 2021 – Seeding and mulching.



August 9, 2021 – Looks good, just need a little rain



**Phase One – September 1, 2021 – Ida – bankfull**



## Phase Two – September 2023



## Phase Two – October 25, 2023



Next steps in Phase Two :  
Plant warm season grasses and shrubs (shrub dogwoods, arrowwood viburnum, black chokeberry), possibly river birch or speckled alder



Phase Three – July 19 – 21, 2023

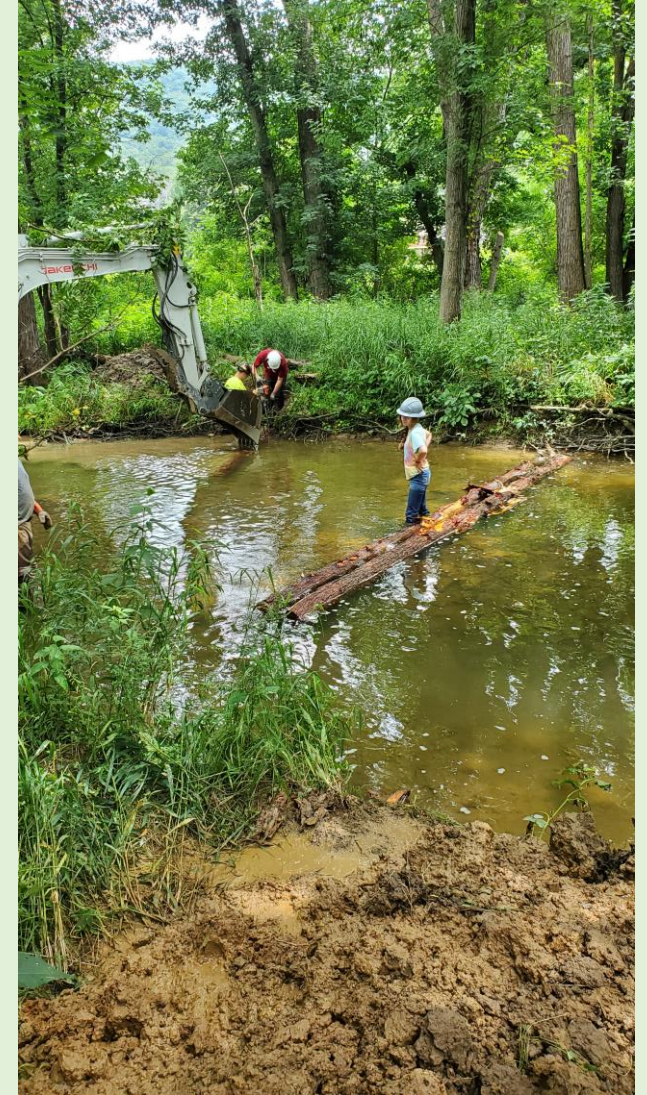


July 19<sup>th</sup> was a short workday due to a broken gas hammer, i.e. “Whacker”.

Back to work on the 20<sup>th</sup> with a borrowed hammer (thank you Butch and MLTU!).

Note: This work corresponds to the device to the left of the “D” on the plan view aerial photo of the project area.

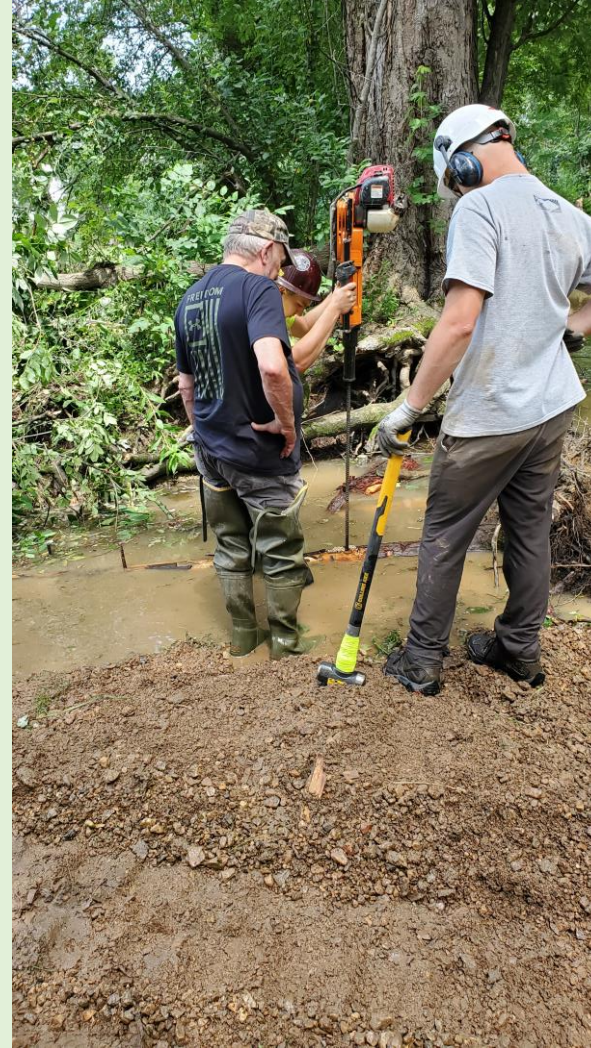
## Phase Three – July 20, 2023



An assist from BCCD intern Rhianna. Thank you!

Note: This work corresponds to devices between “C” and “D” on the plan view aerial photo of the project area.

## Phase Three – July 21, 2023



And on the last day of construction work, guest appearances from some Stream Guardians. Thank you Jim and Jay! Did he ever actually swing that hammer?

Note: This work corresponds to devices near “C” on the plan view aerial photo of the project area.

## Phase Three – August 8, 2023

18 days later, we stopped to see how well the grass was coming along after a long dry spell. Not so good.



The long deflector at "C".

The mod mud-sill at "D".



## Phase Three – August 8, 2023

But, did you catch this in that last photo?

