

## LINVILLE RIVER RESTORATION PROJECT UPDATE September 25, 2019







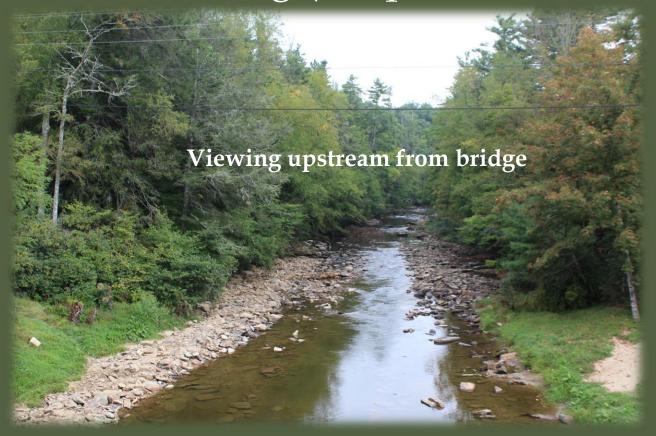
## In-channel work was completed September 18, 2019







# In-channel structures include:Low-water thalweg (deeper center channel)







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Viewing downstream from bridge





## • Low-water (ford) crossing







• Boulder J-hook to set grade and maintain low-water crossing



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# Toewood (brush bank) that represents both a riverbank erosion buffer and aquatic habitat







## A riffle-pool-glide sequence for habitat diversity



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## Amphibian ponds adjacent to the river







## Log and Rock J-Hook



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## Log vane and toewood





# Stabilization including the application of erosion matting, native grass seed and straw







## Alder salvage plantings for river bank stability







## Alder salvage plantings trimmed for regrowth







What is still needed (short-term):

- Planting Live staking, bare root seedlings and salvage seedlings from Gill State Forest
- Fishing/hiking trail and information kiosks development and construction
  Biomonitoring of macrobenthos/fish





What is still needed (long-term):

- Planting Native grass seed, live staking, bare root seedlings and salvage seedlings during 2020/2021
- Biomonitoring of macrobenthos/fish in 2022
- Monitoring the in-channel structures and riverbank for bankfull events





## LRRP Contact Information:

Web - <u>www.ncforestservice.gov/LinvilleRiverRestoration</u> Email - <u>ncfs.water@ncagr.gov</u>

## NCFS Social Media

- FaceBook <u>https://www.facebook.com/NCForestService</u>
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