

Freshwater Fisheries Catoclin Region

Stream Monitoring Data



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Big Hunting Creek Workgroup

Thurmont Public Library, November 20, 2024

Stream Monitoring Stations



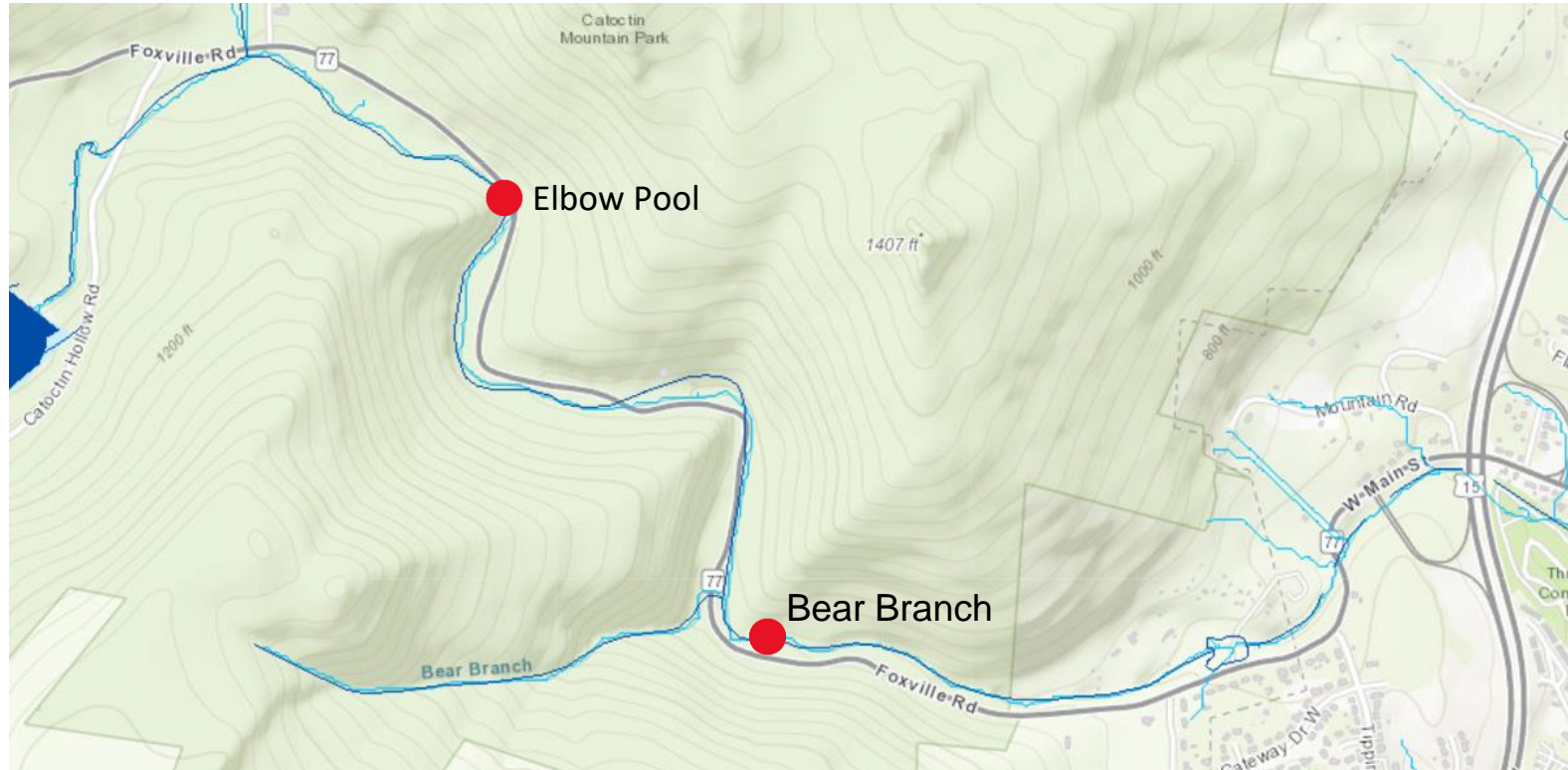
Long-term Stations

- Big Hunting Creek
- Little Hunting Creek
- Fishing Creek
 - Left Fork
 - Right Fork
- Clifford Branch
- Owens Creek

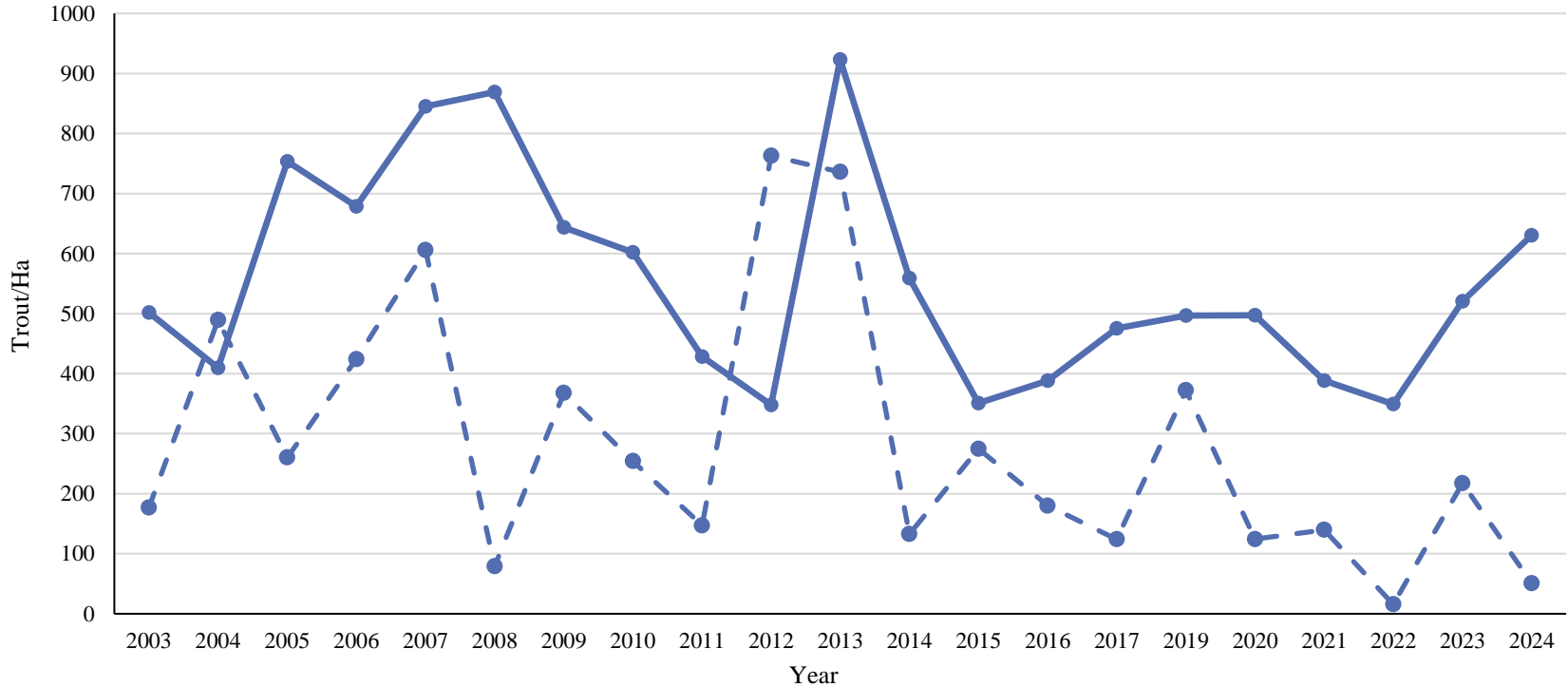
Monitoring Data

- Trout population estimates
 - Adult (solid line)
 - Young-of-Year (dashed line)
- Species
 - Brook trout (green)
 - Brown trout (blue)
- Steam water temperature
 - Percent >20°C

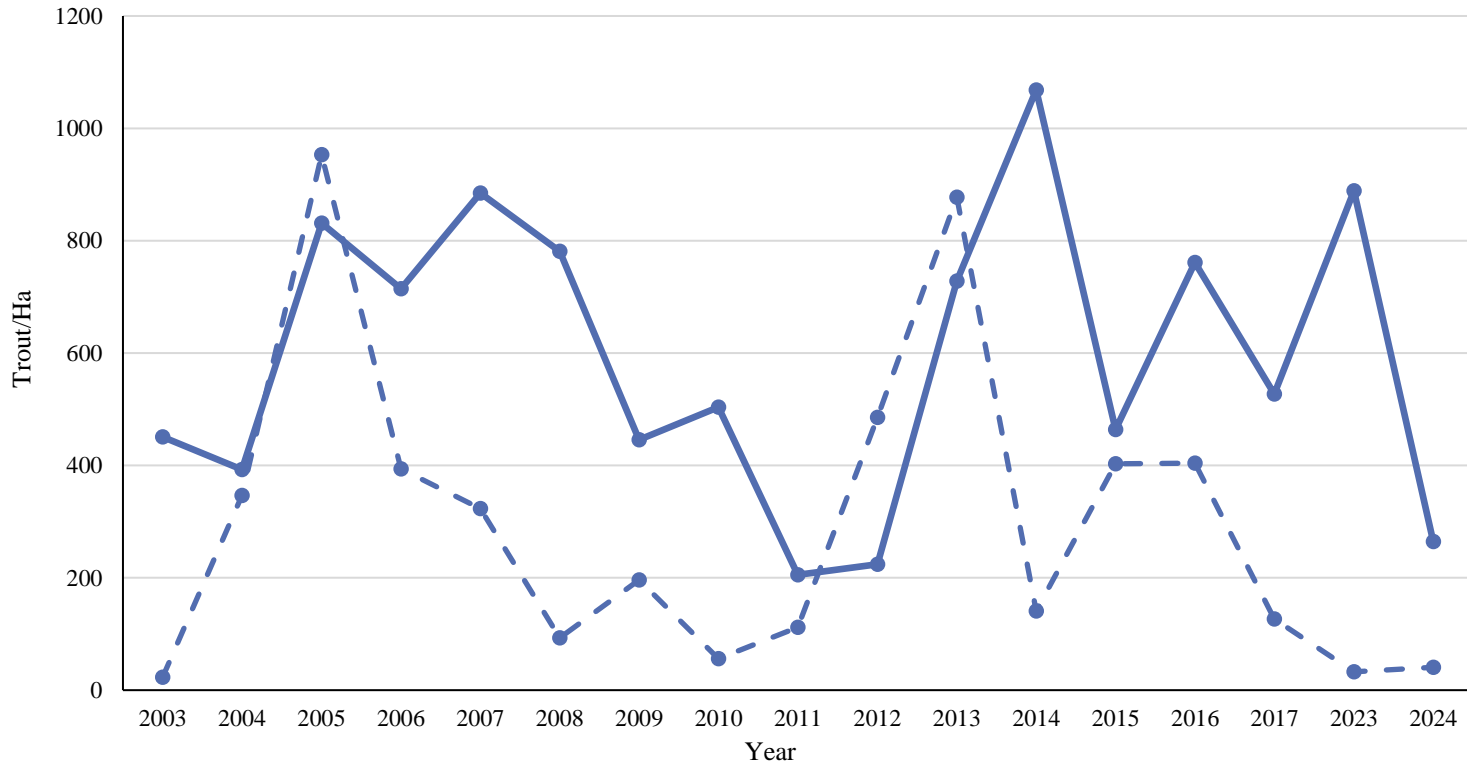
Big Hunting Creek



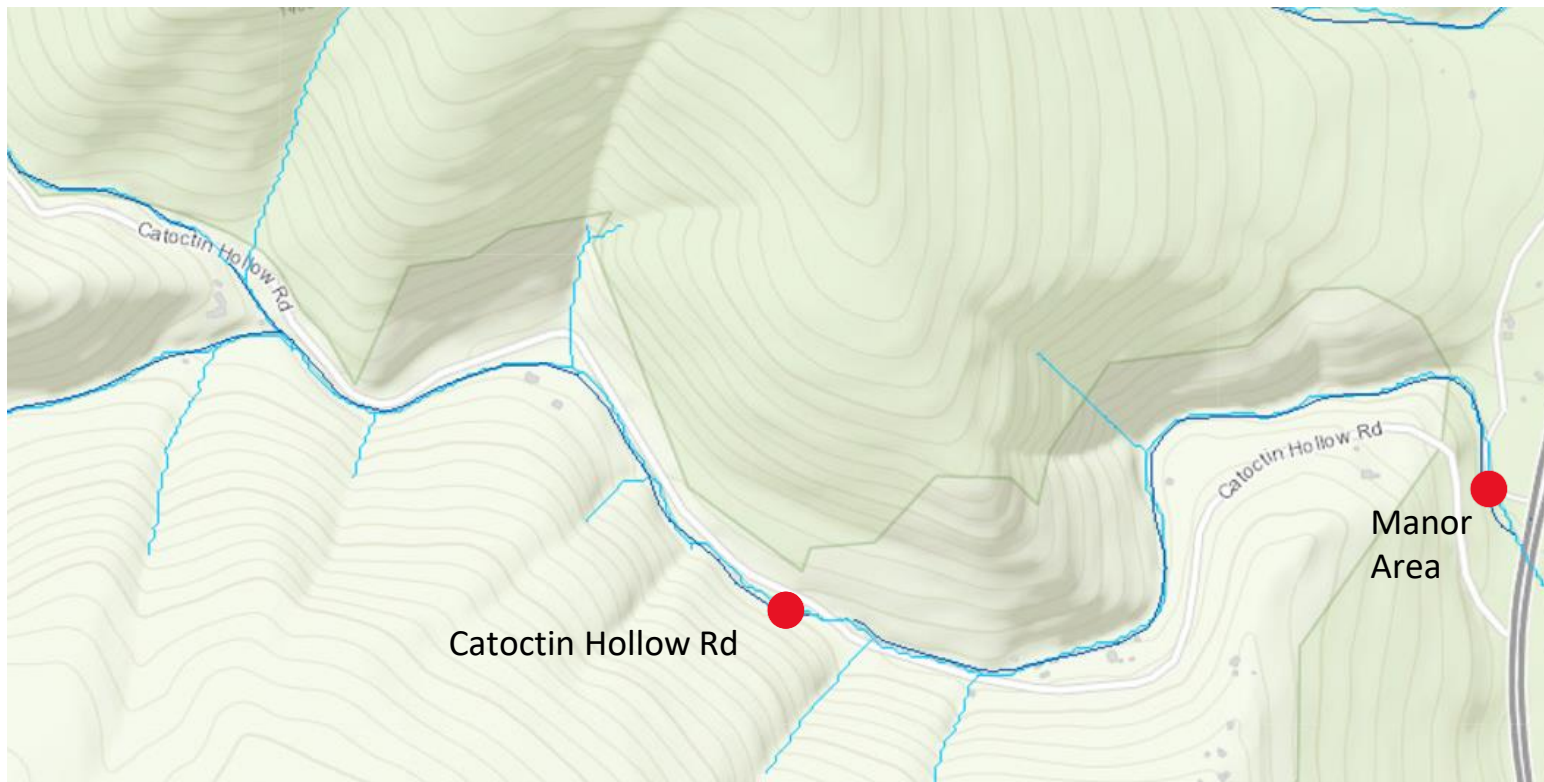
Big Hunting Creek – Elbow Pool



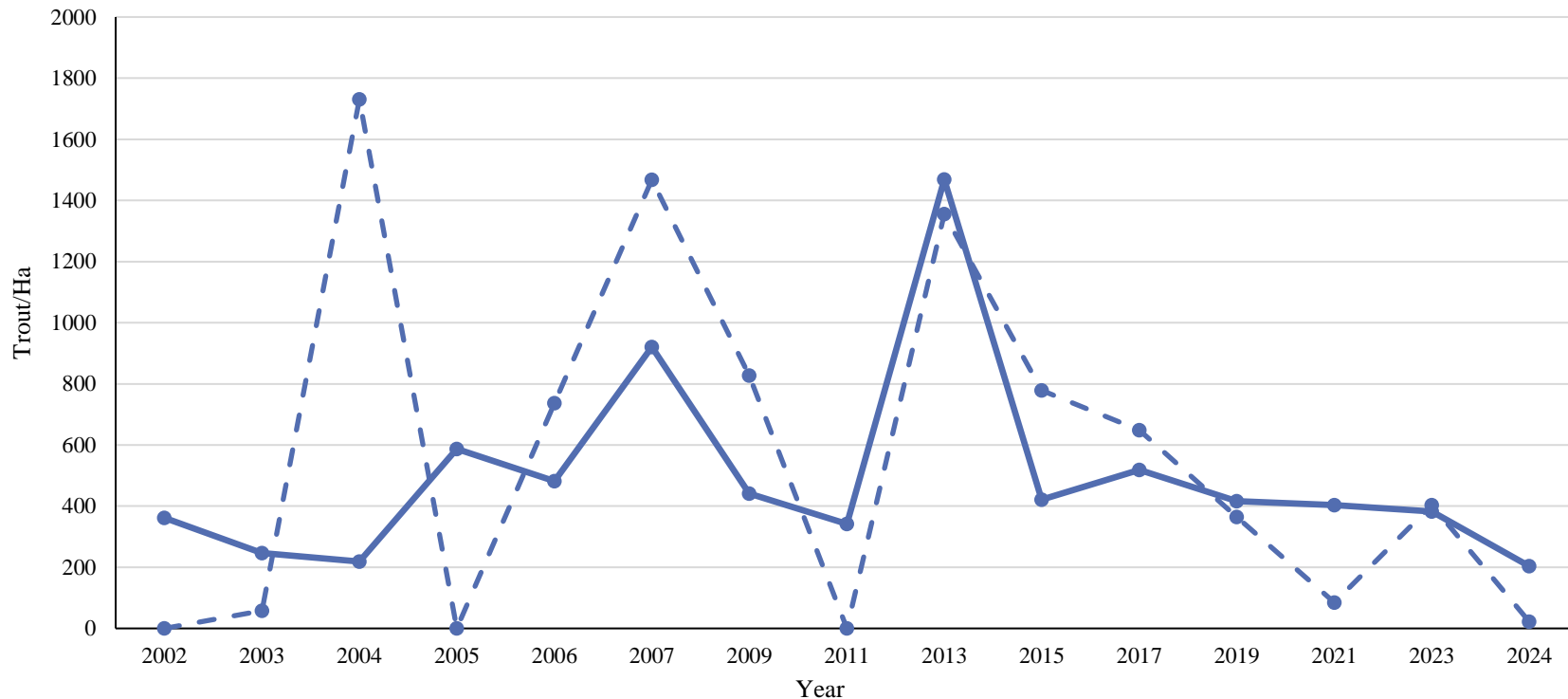
Big Hunting Creek – Bear Branch



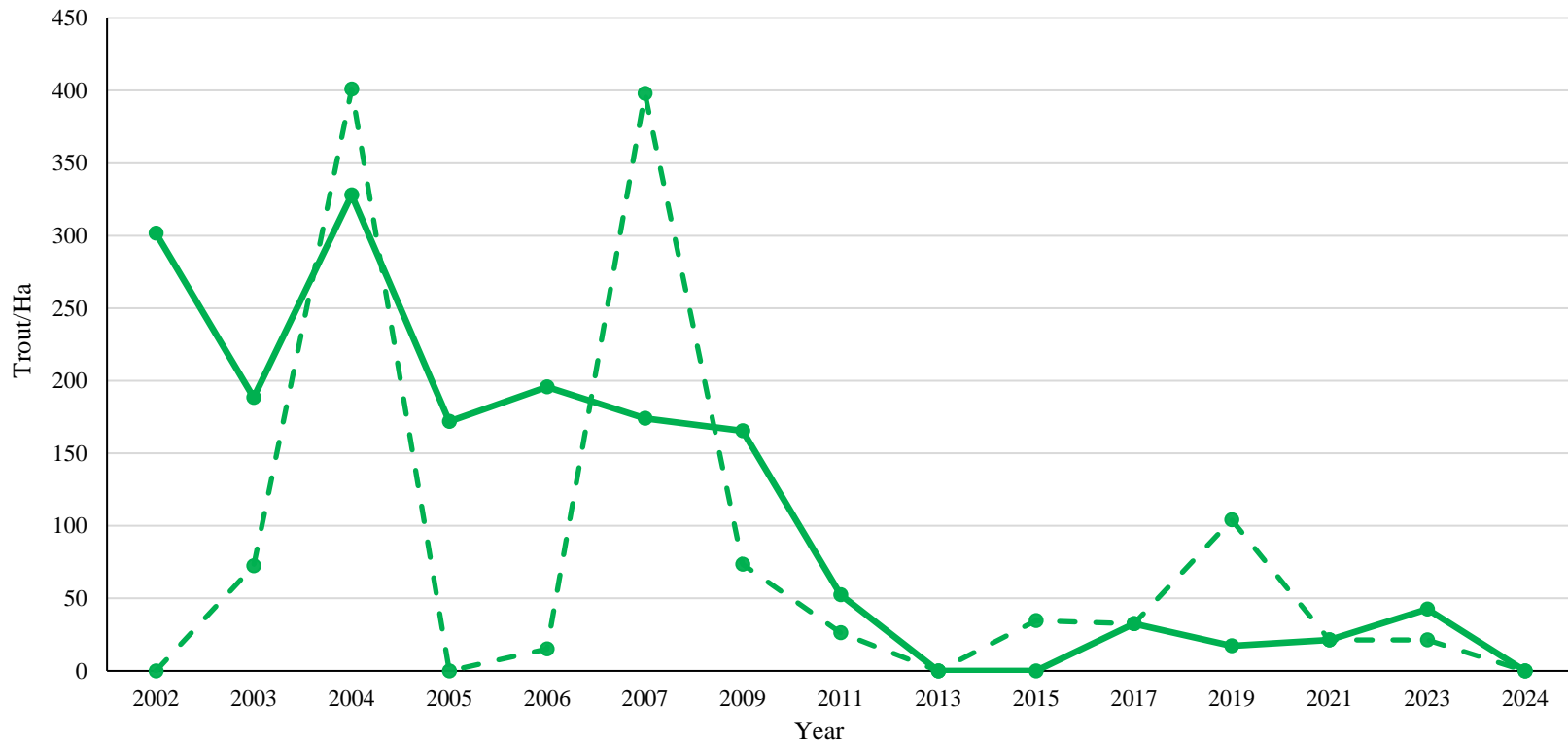
Little Hunting Creek



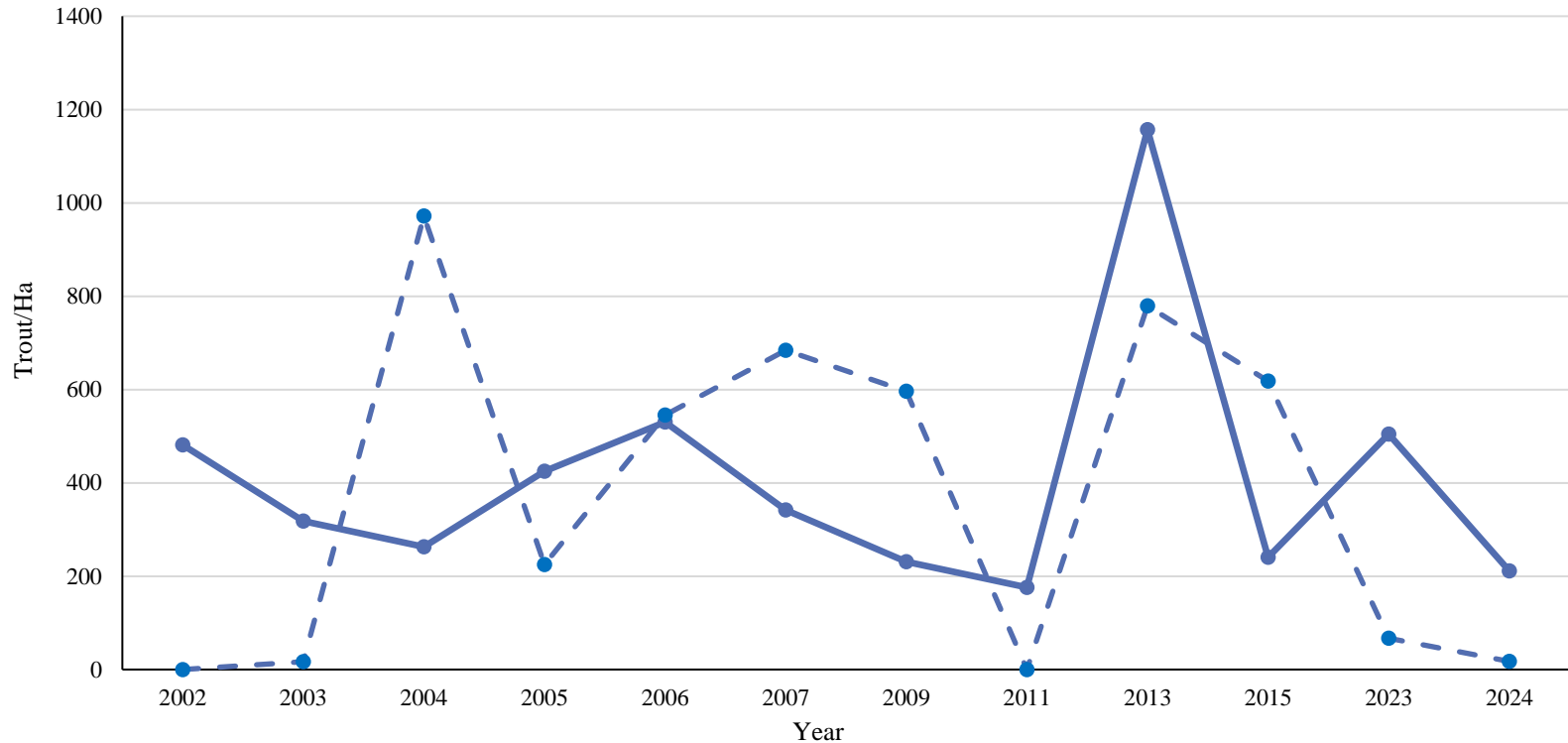
Little Hunting Creek – Catoctin Hollow Road



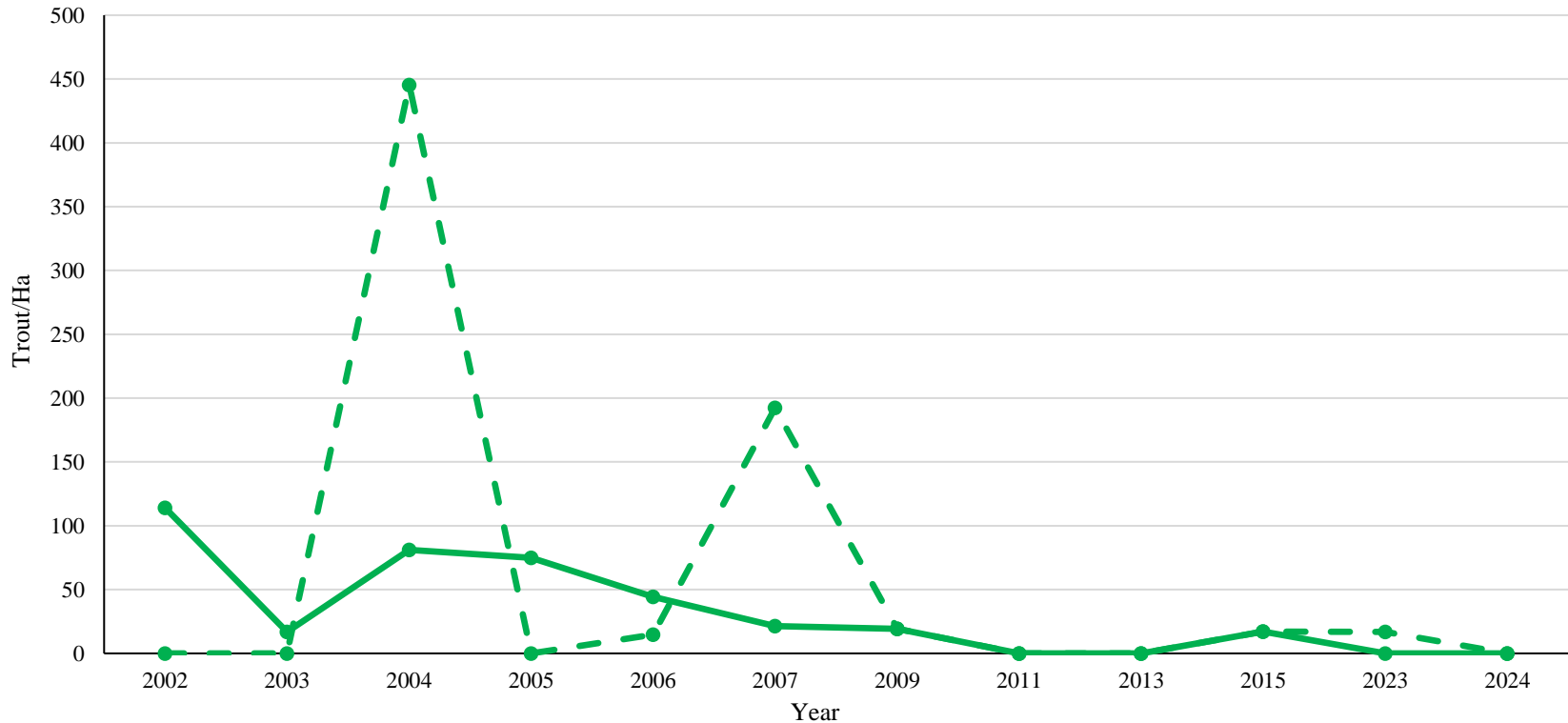
Little Hunting Creek – Catoctin Hollow Road



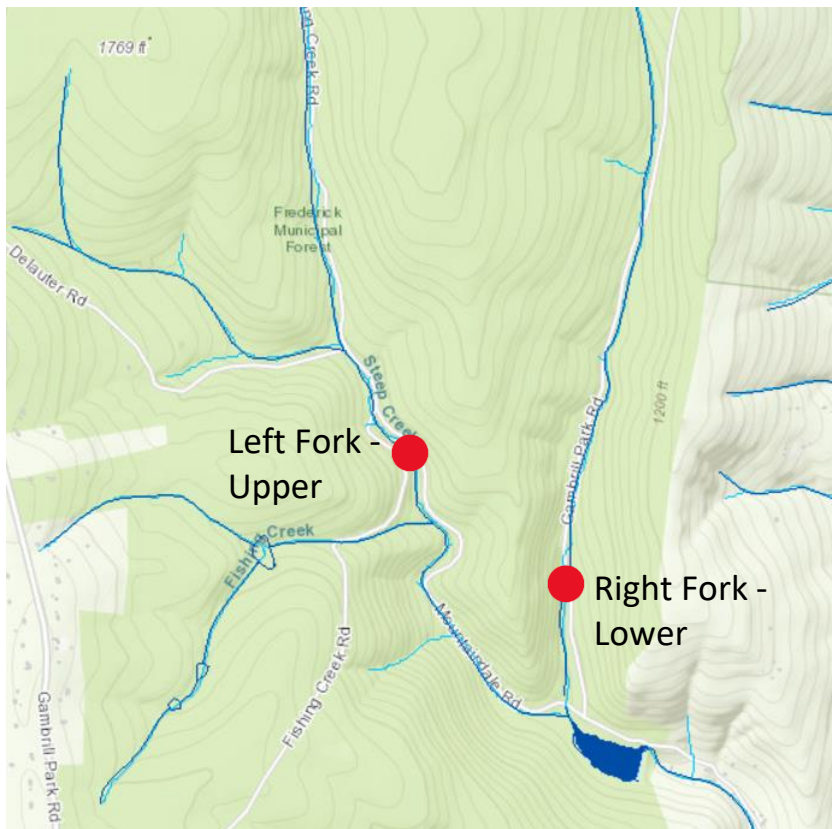
Little Hunting Creek – Manor Area



Little Hunting Creek – Manor Area



Fishing Creek

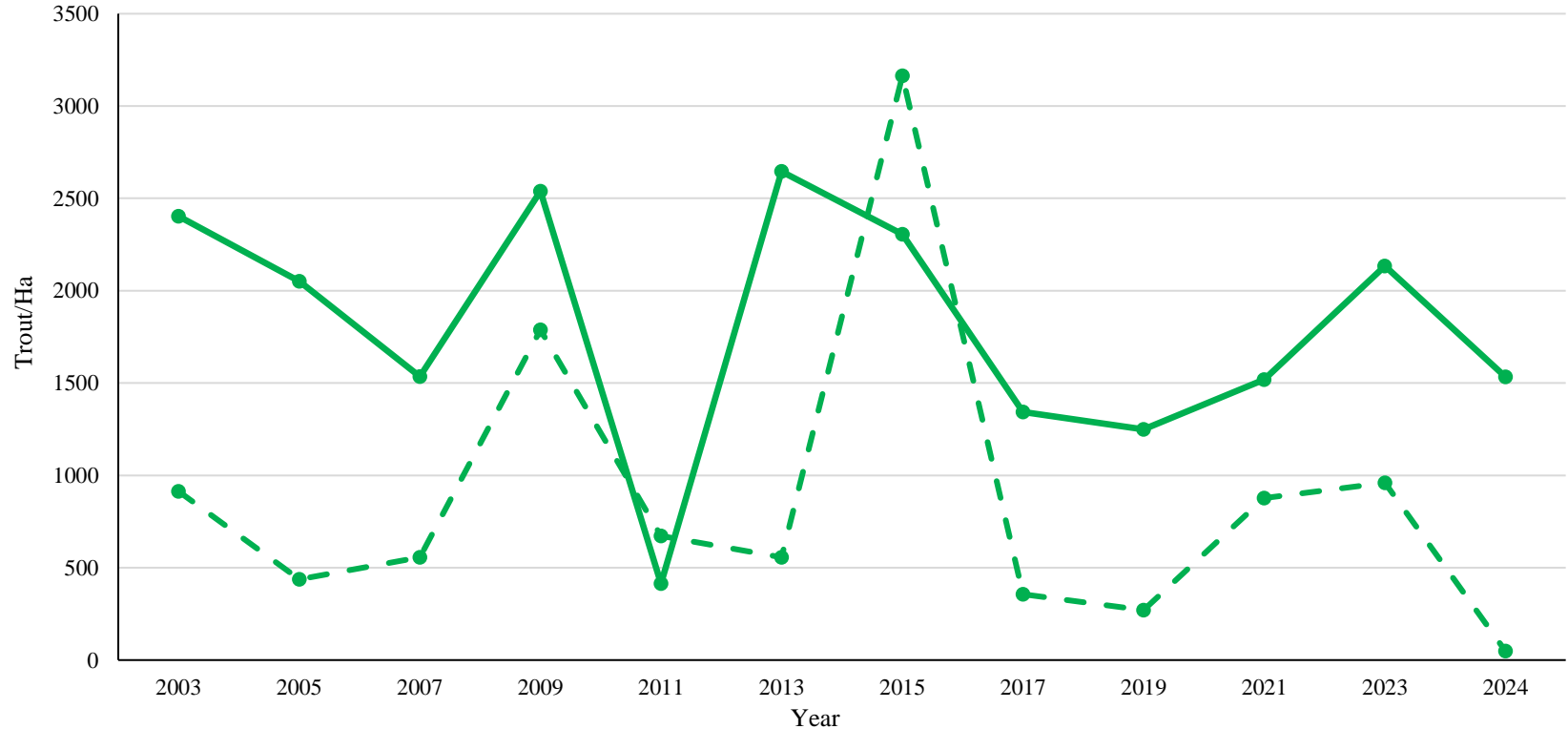


Fishing Creek – Right Fork Lower

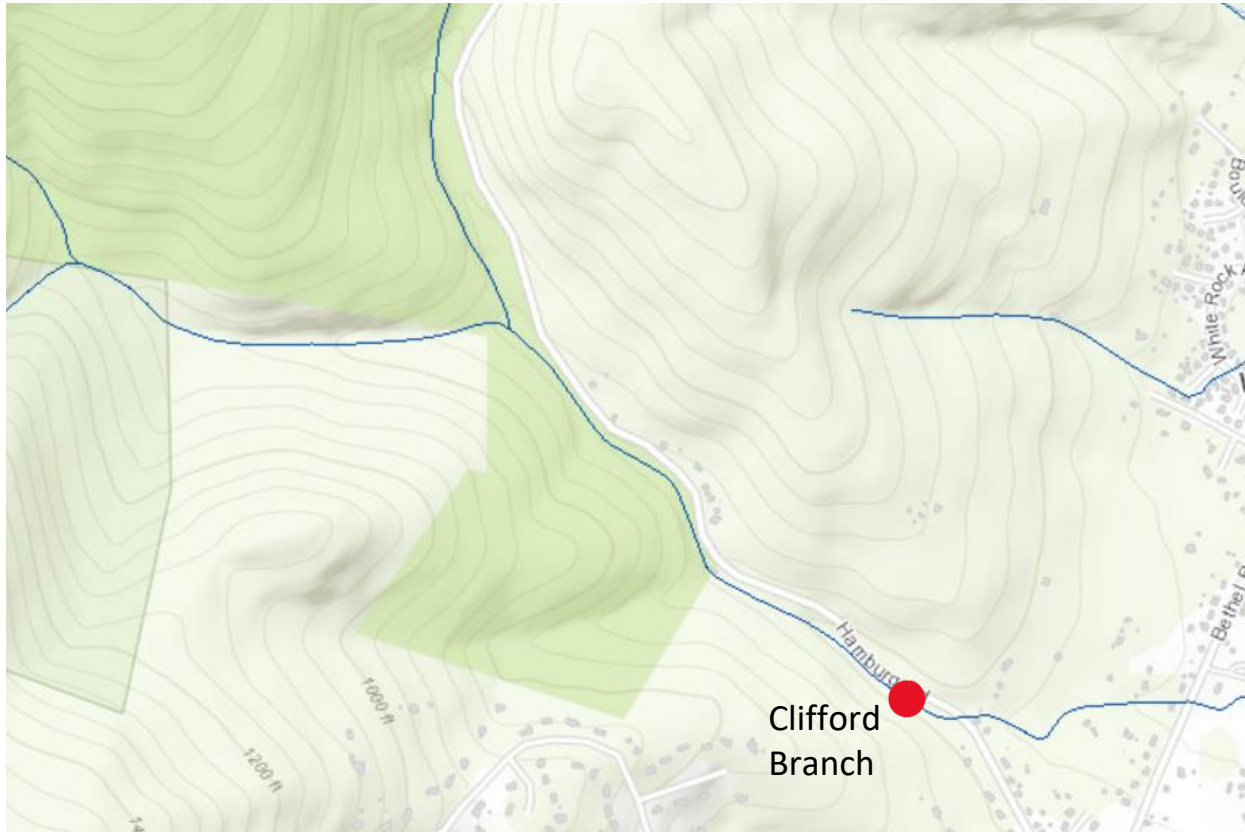


Fishing Creek – Left Fork

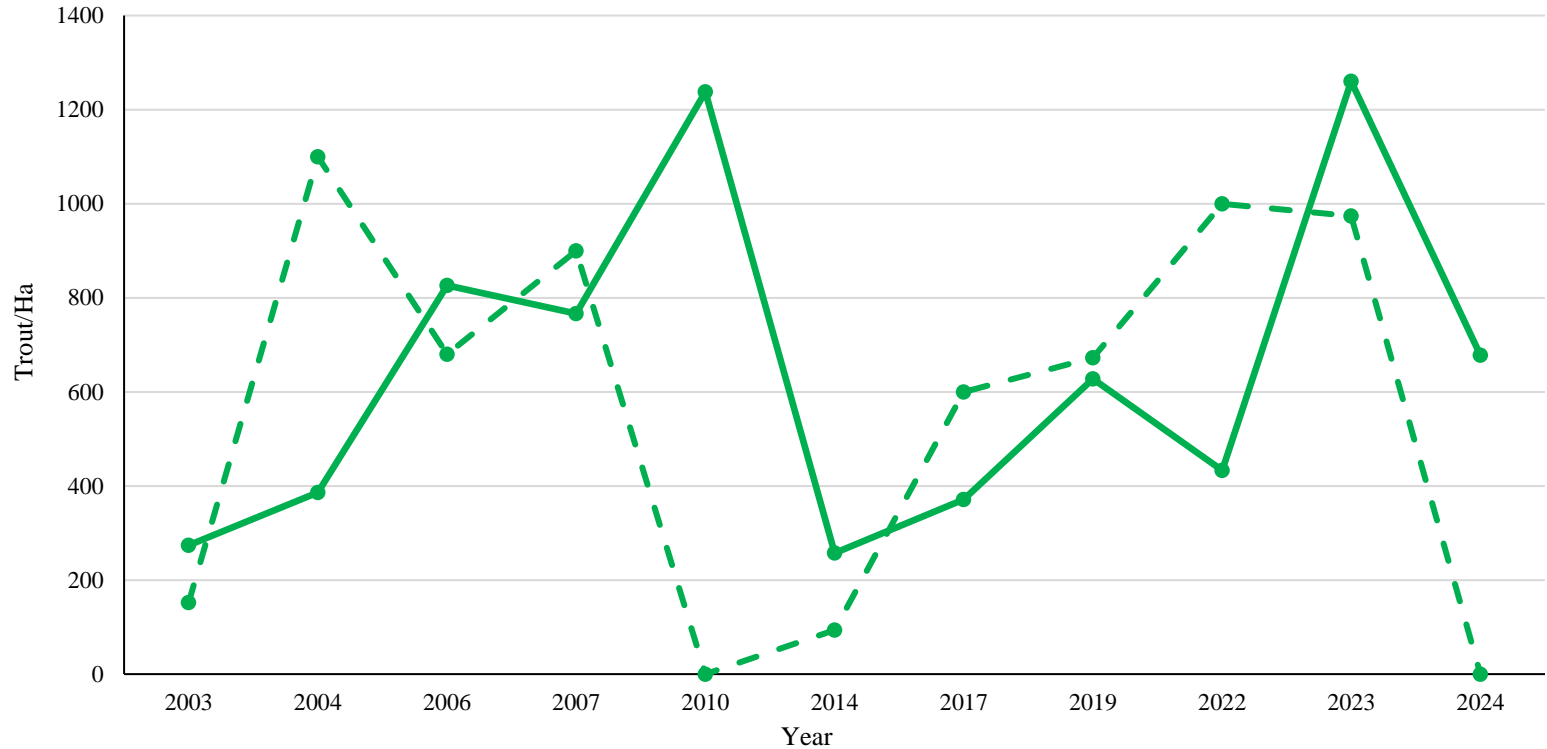
Upper



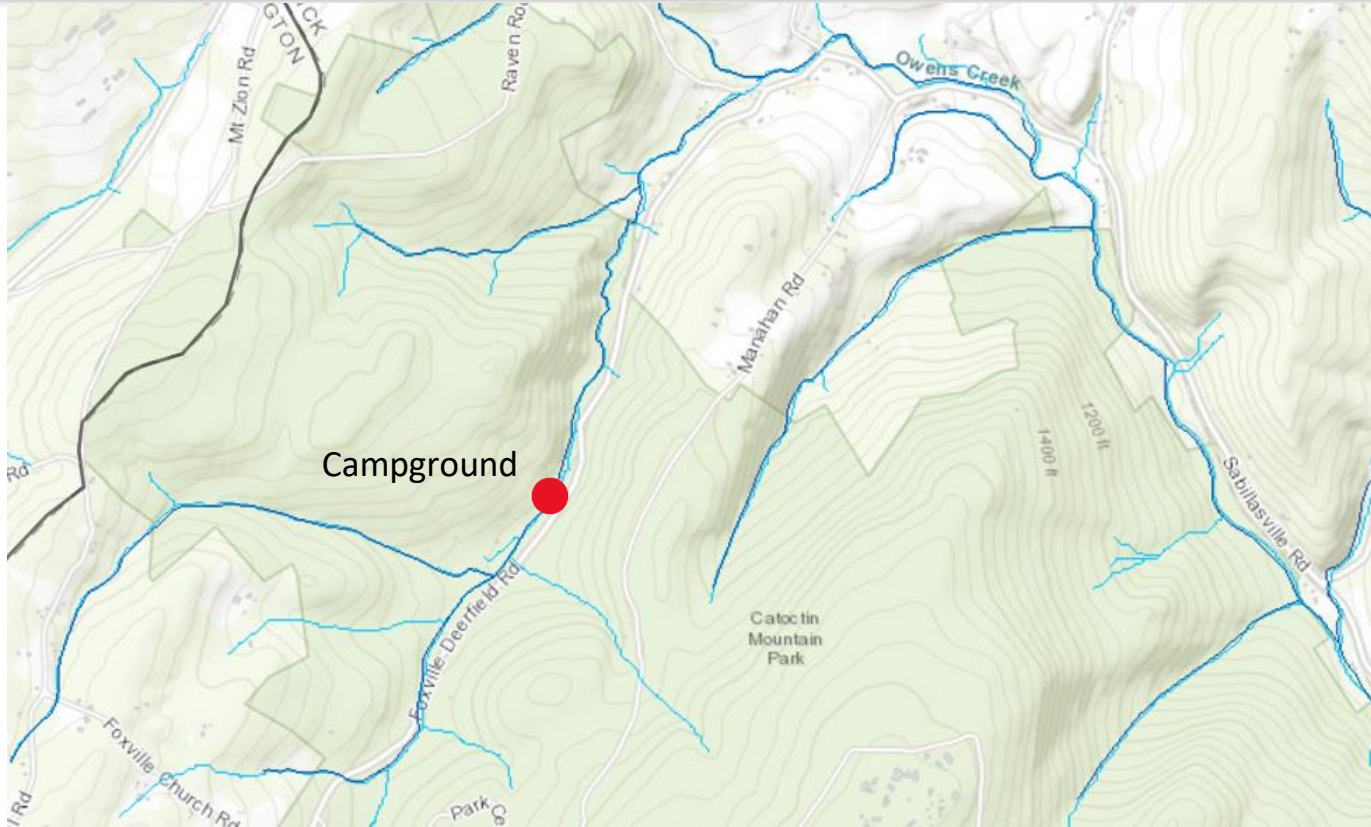
Clifford Branch



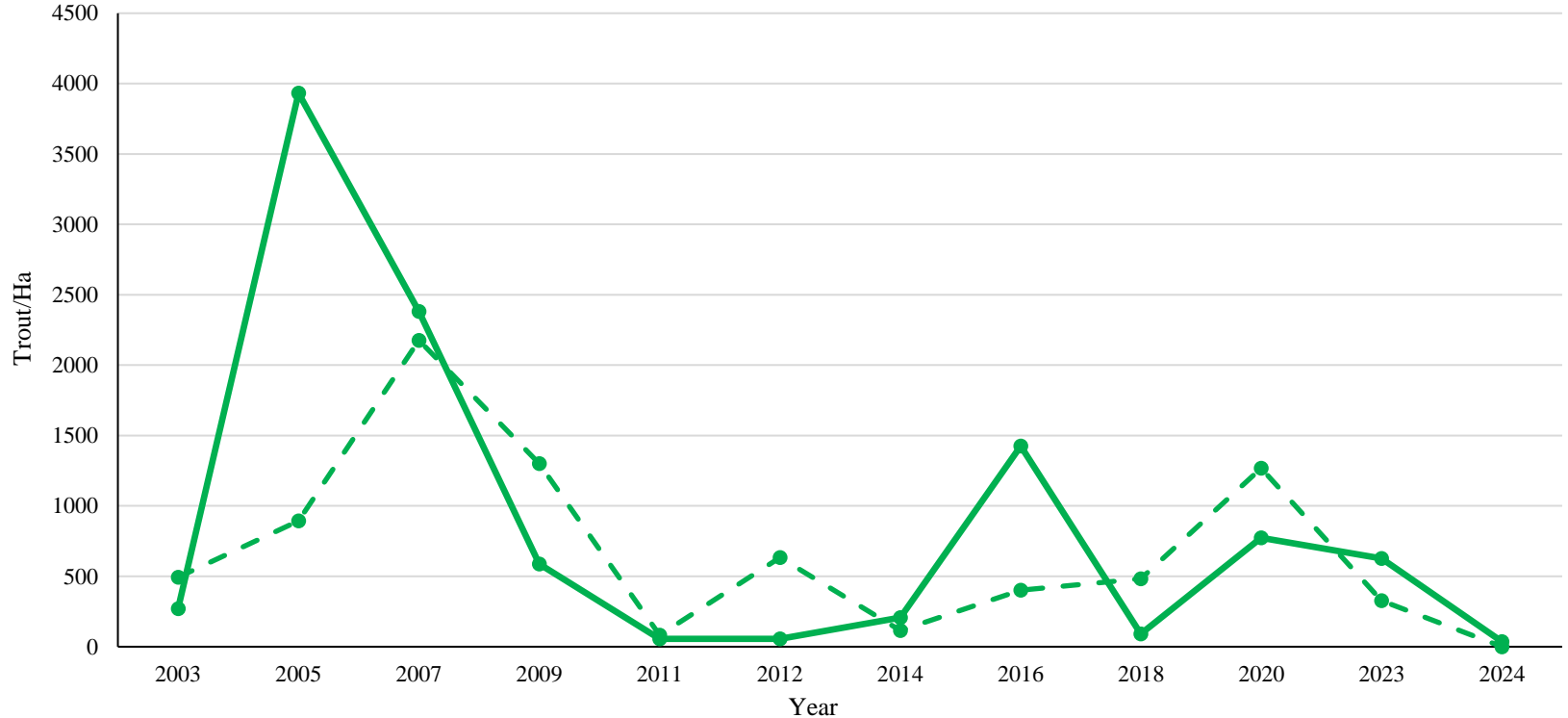
Clifford Branch



Owens Creek



Owens Creek - Campground



Stream Temperature



Percent of observations $>20^{\circ}\text{C}$
- Summer index period 6/1 – 8/31

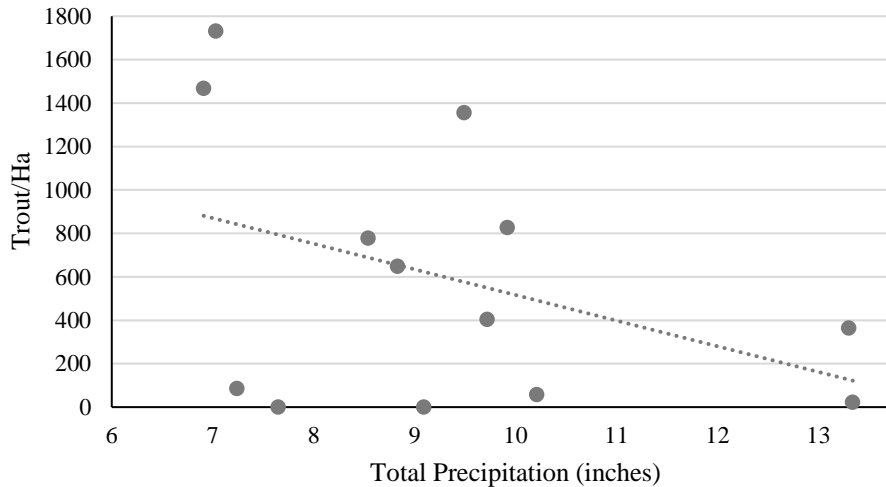
	Big Hunting Creek	Little Hunting - Catoctin Hollow	Little Hunting - Manor Area	Fishing Creek – RF Lower	Fishing Creek – LF Upper	Clifford Branch	Owens Creek - Campground
2017	6.7	2	29.7				
2018	27.4						
2019			38.9	6.8	1.1	17.7	7.8
2020	1.8						25.1
2021	1.8	17.5		10.3			14.3
2022	1.9			0.3		24.7	
2023	0.05	11.4	35.2	0.2	0	25.4	13.8
2024	1.7	24.1		16.4	0.4	35.4	21.8

Flow vs YOY Abundance

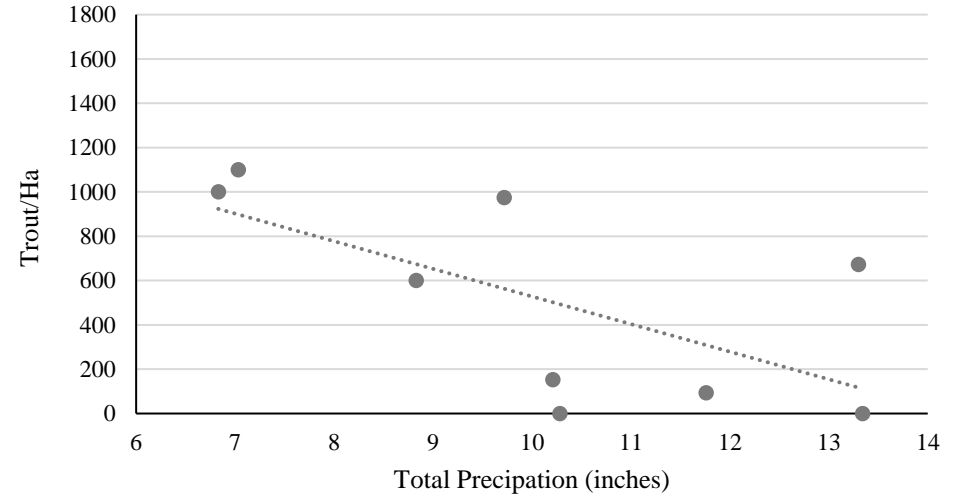


Winter precipitation (December – February) plotted against YOY abundance estimates

Little Hunting Creek – Catoctin Hollow Rd



Clifford Branch

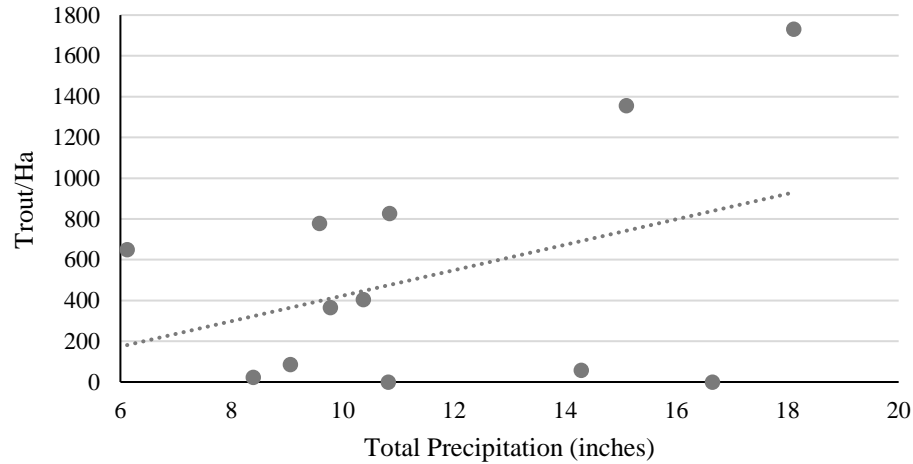


Flow vs YOY Abundance



Fall precipitation (September - November) plotted against YOY abundance estimates

Little Hunting Creek – Catoctin Hollow Rd



Clifford Branch

