

FINDINGS

The total count was 41 - 26 on trees, 15 on bridges, and 0 on fences/bushes/ground. The shortest torso of the 10 counted was 3 cm and the longest was 5 cm, for an average of 4 cm.

RELEVANT INFORMATION

The weather was cloudy, breezy, and cool, with a high of 46 degrees and no rain during the activity. Stonefly nymphs in the lower creek would have benefitted from carcasses nutrients of the 254 spawners that came in the previous fall.

OBSERVATIONS

Most exos found on trees and bridges were at the downstream end of the study area. All of those found on trees were on the large horse chestnut tree, accounting for more than half of those found. Students speculated that perhaps the smooth bark was appealing to stoneflies, noting that no stoneflies were found on the rough, mossy bark of other tree species. They also talked about how most of the exos on the chestnut were on the east side of the trunk, which received a lot of morning sun. They noted that this observation conflicted with where they were finding most of the exos on bridges, though, which were generally under the bridge or in places not exposed to much sun. Timing this year may also have been a factor, as some exos may have been knocked off by rain or wind during previous weeks.

RECOMMENDATIONS

- Find a new way to group students as the fence/ground/bush group rarely finds many exoskeletons.
- Equip each group with a flashlight so they can more easily look for exos in dark places.