

AQUATIC BIOMONITORING, 2021



Bill Kane
Alaska Department of Fish and Game – Habitat Section





AQUATIC STUDIES

- Periphyton:
 - Chlorophyll density and composition
- Benthic macroinvertebrates:
 - Density and composition
- Juvenile fish:
 - Abundance and condition
 - Element concentrations

PROJECT AREA

Greens Creek:

- Site 54
- Site 63

Tributary Creek:

- Site 9
- Site 1847

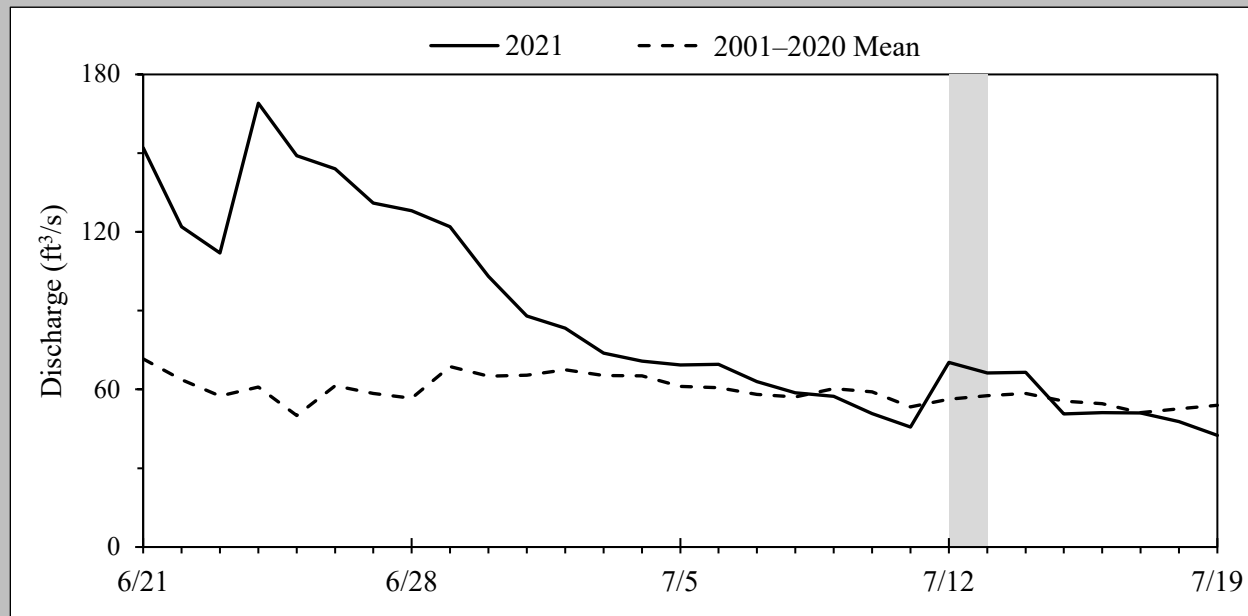




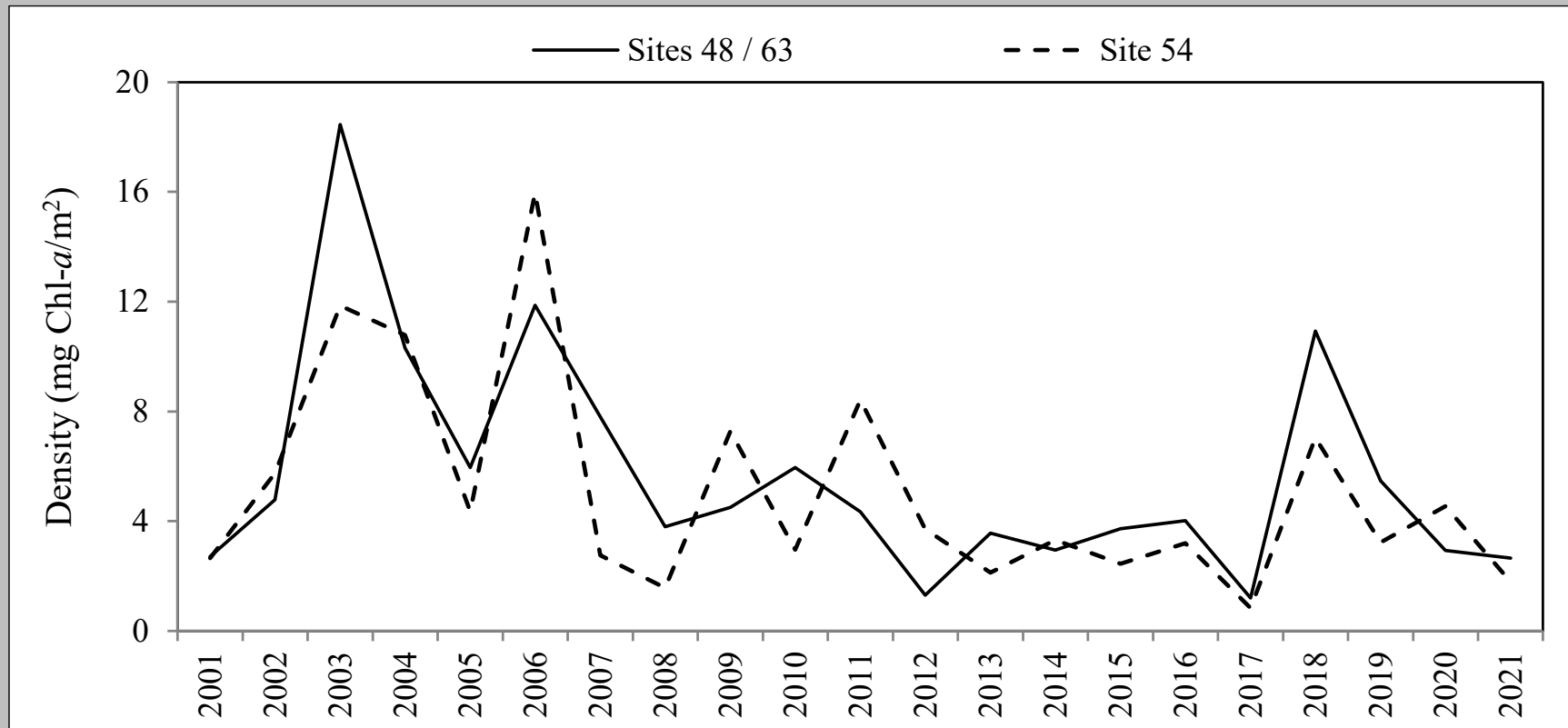
Upper Greens Creek

RESULTS

- Precipitation ~14% above normal
- Snowfall ~56% above normal



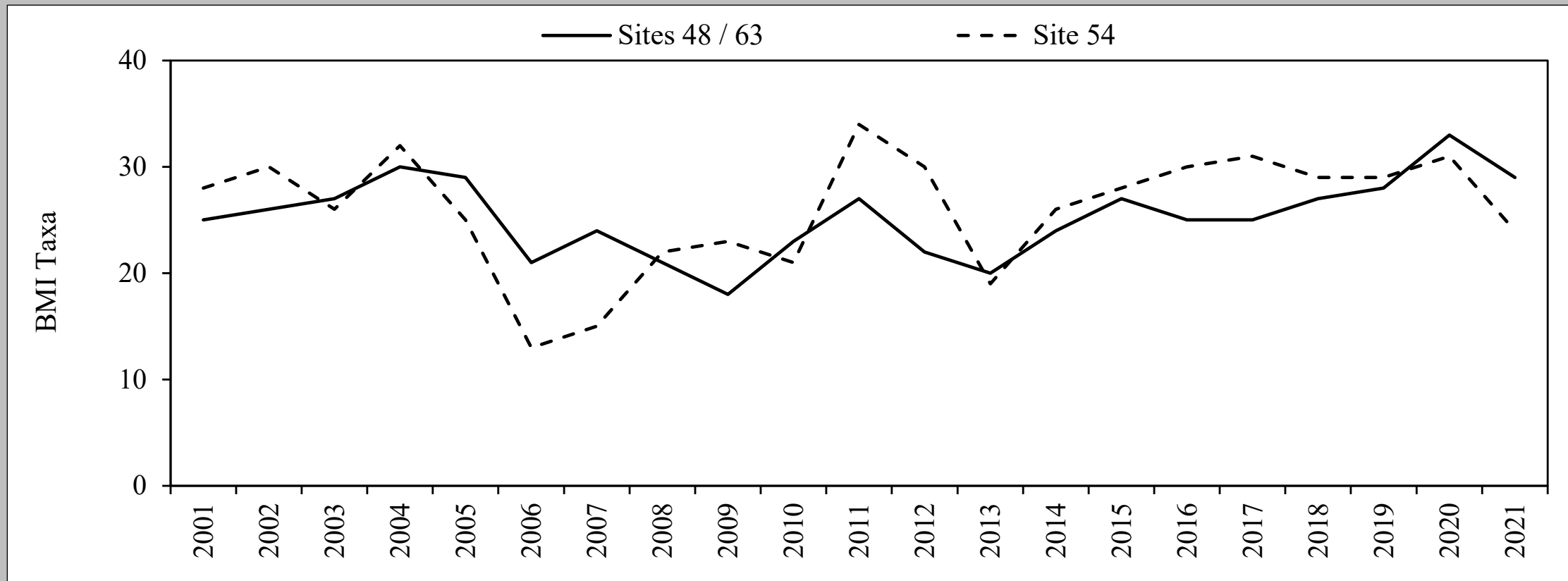
GREENS CREEK— PERIPHYTON



GREENS CREEK – BENTHIC MACROINVERTEBRATES

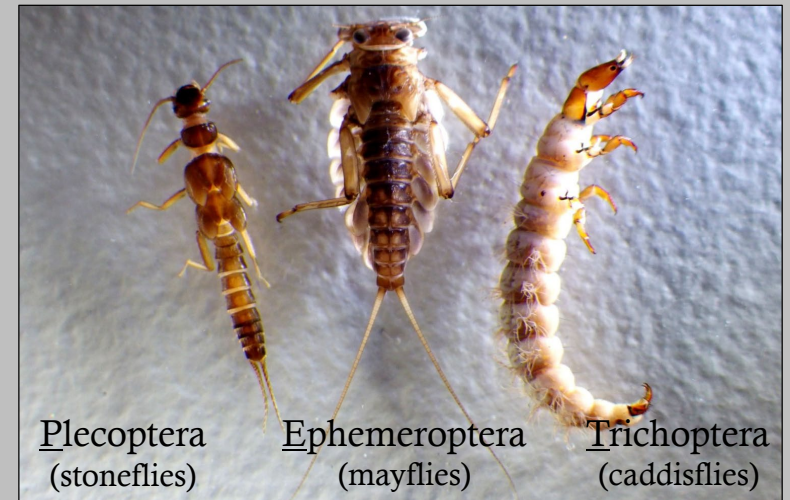
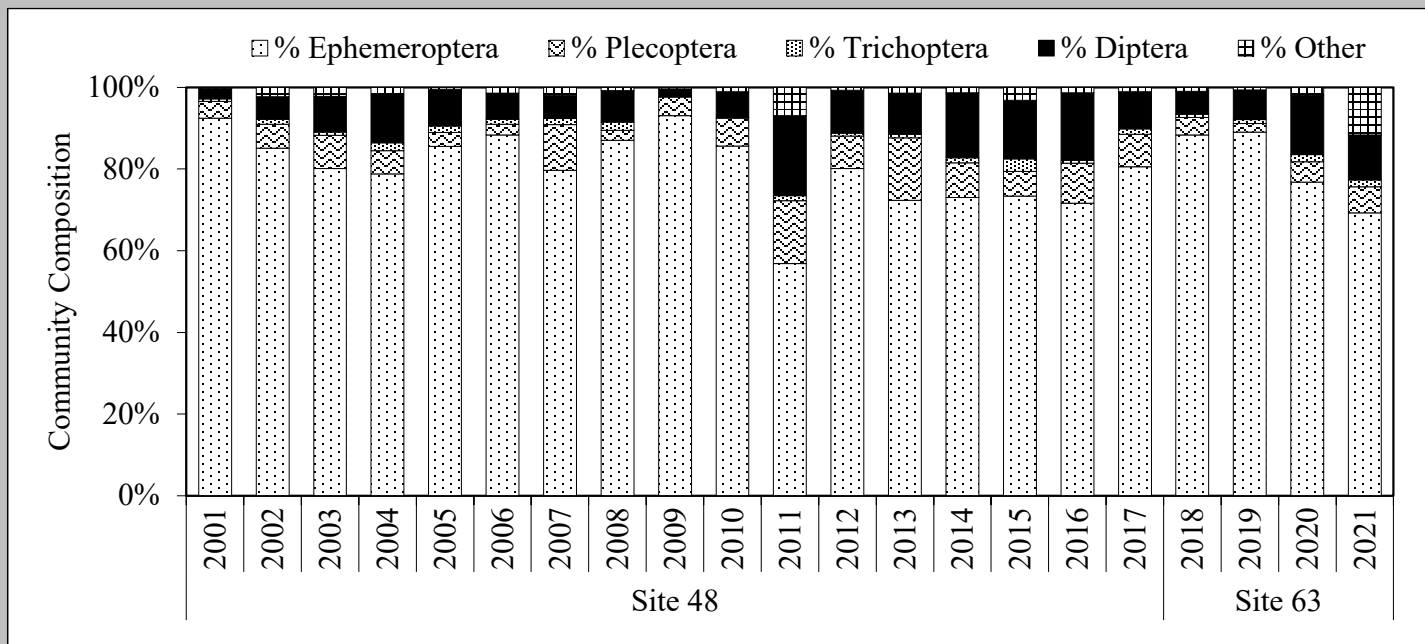


GREENS CREEK – BENTHIC MACROINVERTEBRATES



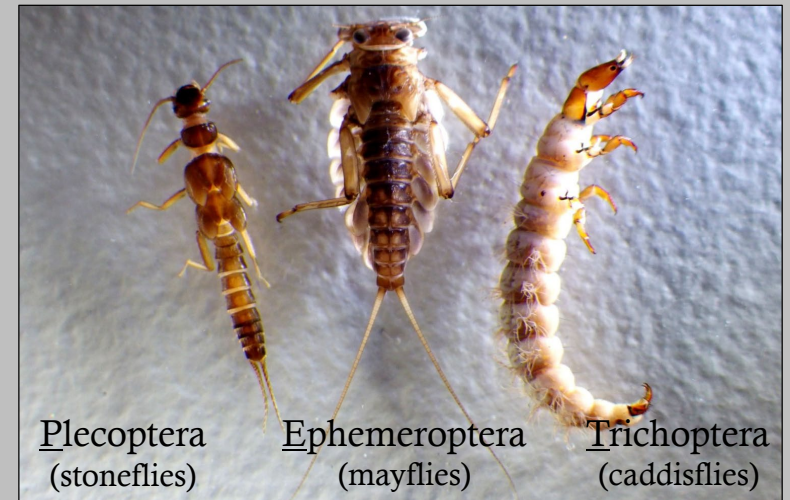
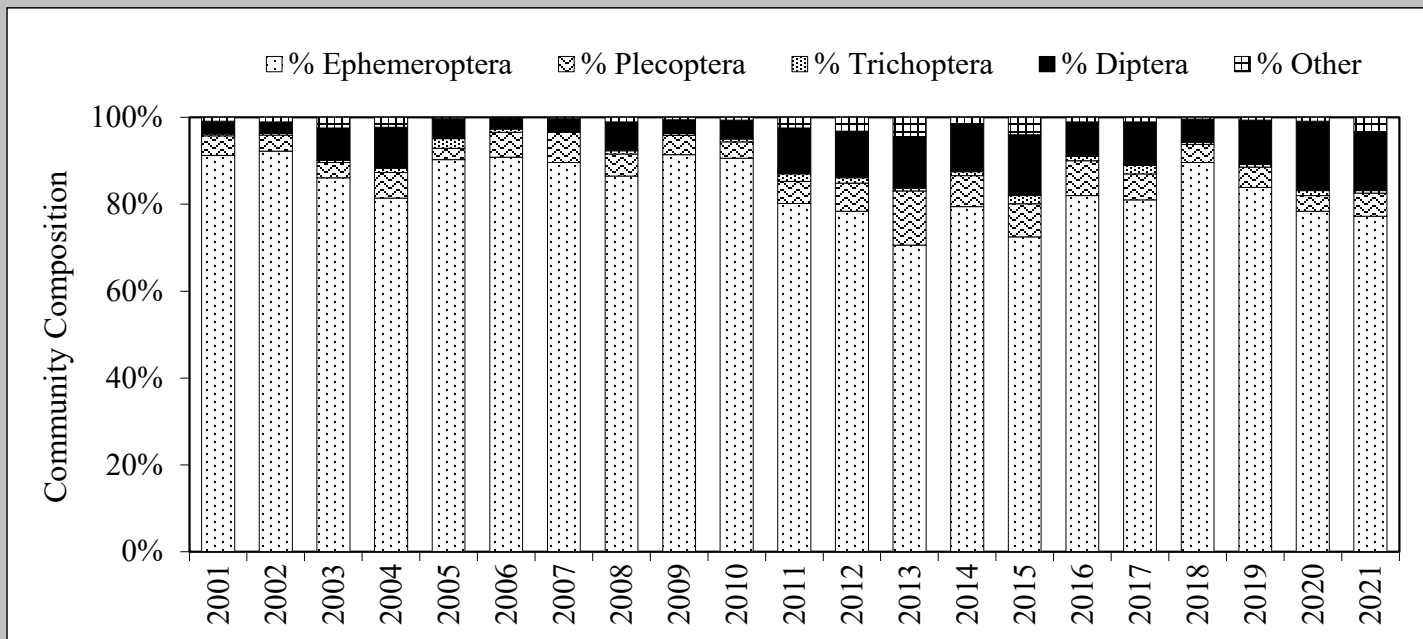
GREENS CREEK SITE 63

BENTHIC MACROINVERTEBRATES

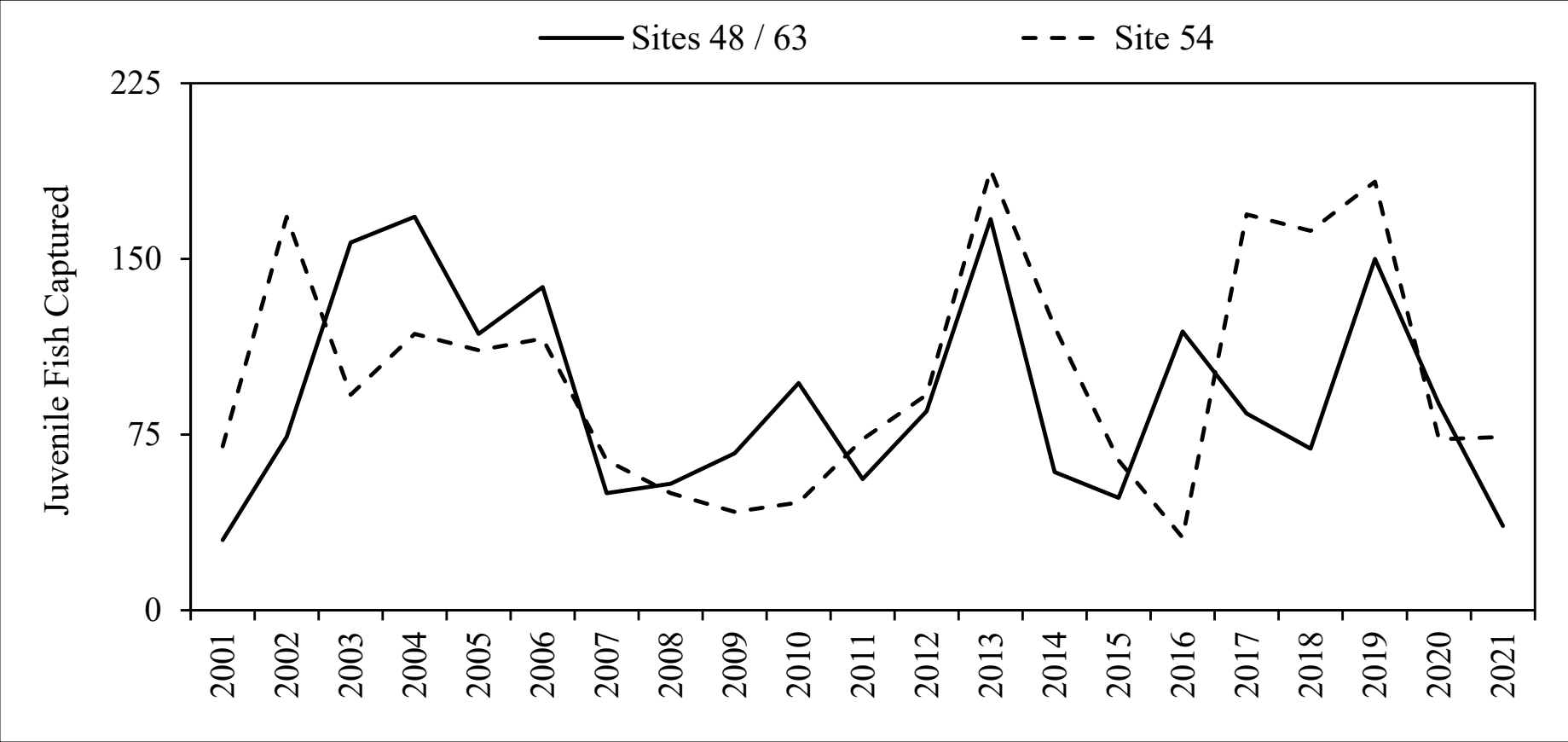


GREENS CREEK SITE 54

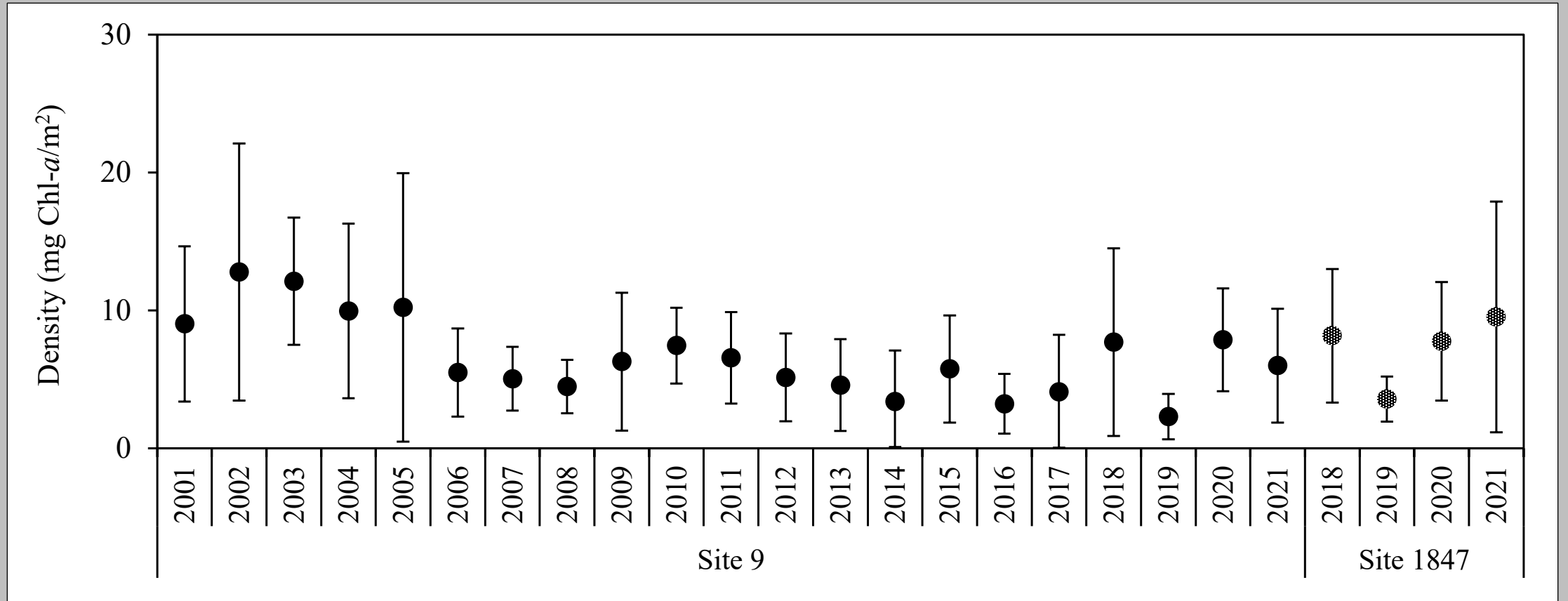
BENTHIC MACROINVERTEBRATES



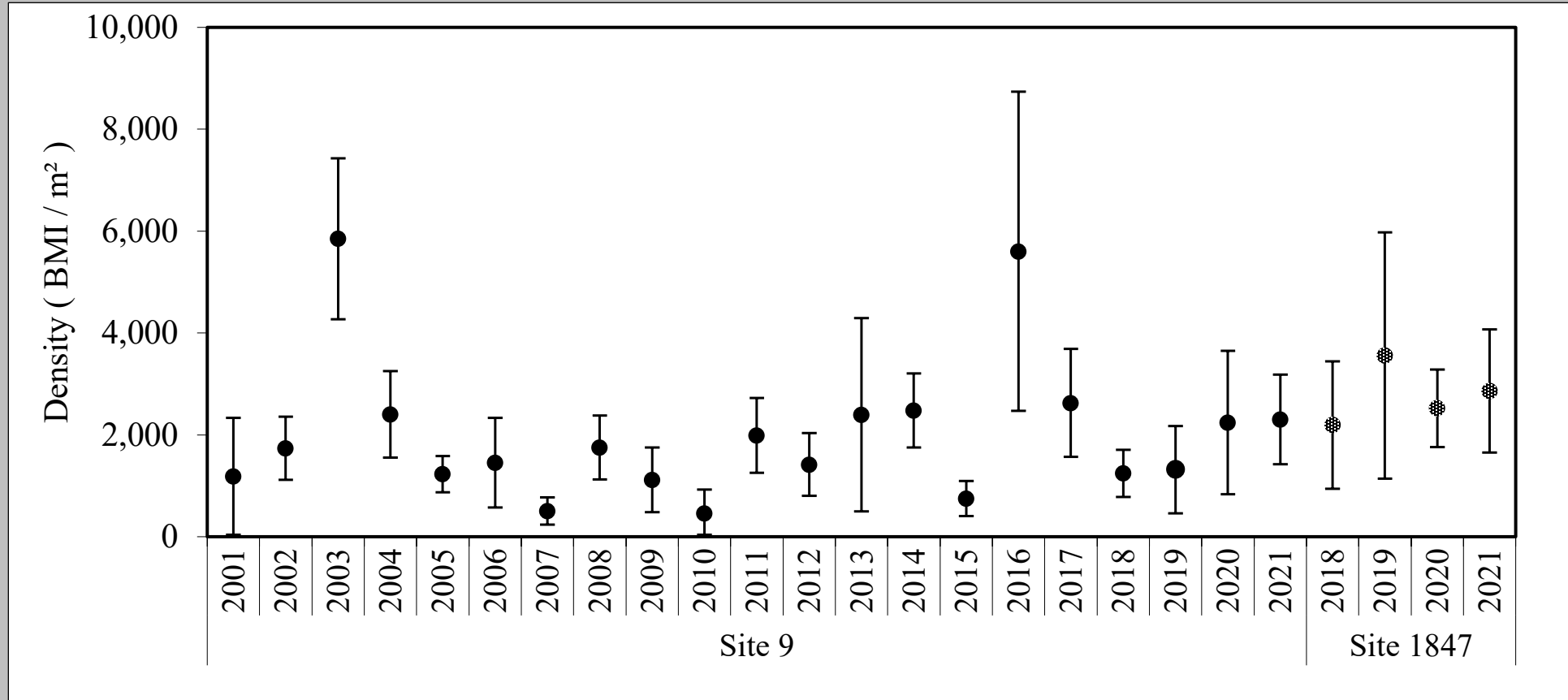
GREENS CREEK – JUVENILE FISH ABUNDANCE



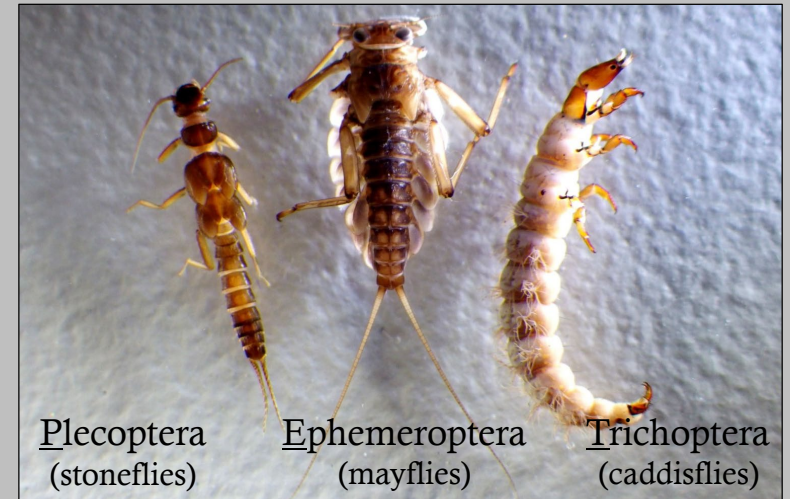
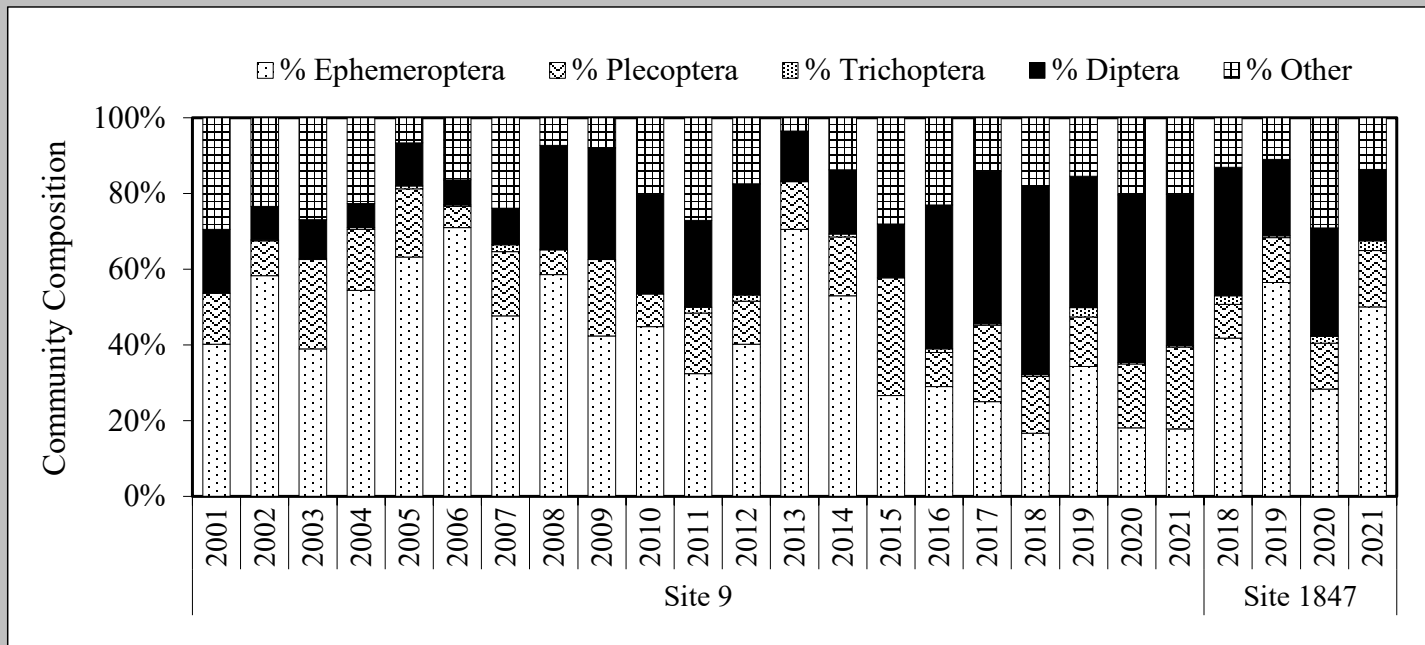
TRIBUTARY CREEK– PERIPHYTON



TRIBUTARY CREEK – BENTHIC MACROINVERTEBRATES



TRIBUTARY CREEK – BENTHIC MACROINVERTEBRATES



TRIBUTARY CREEK – JUVENILE FISH ABUNDANCE

