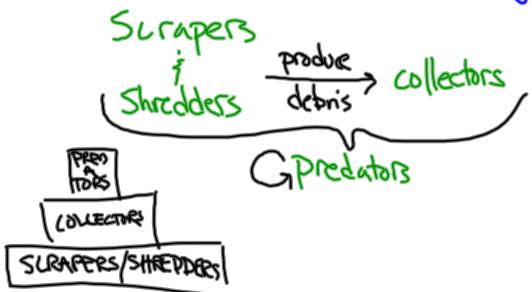
Shredders - eat large chanks of organic monterial by breaking it apart (leaves, stars, dead organisms) Scrapers - scrape algae off of rocks, sticks, other surfaces

Collectors - Carther or filter small particles of organic material (debris produced by shredders and scrapers)

Predators - Eat other M.I.'s

- 2 Some of the organisms we're looking at are omnivores they function on More than one tophic level
 - With F.F.G.'s, we get a much clearer picture of the evological interactions between these organisms



(3). Certain aquatic M.I.'s are sensitive to specific water quality parameters ex turbidity, Do, temp, pH, chemicals We can use the presence or absence of these organisms to estimate whether or not the levels of these parameters are ideal for aquatic organisms It can be easier thater to evaluate aquatic MI's than to measure all WQ parameters. MI's give us a better idea of average water quality (rather than a snapshat in time")

Mayflies: 3 tails (usually) Abdominal gills (always) Stoneflies: 2 tails 2 daws on each leg Caddisflies: No tails "Houses" True flics: No functional legs Reduced heads Not Well-developed mouthports Beetle larvae: Not any of these — Well-developed mouthports Snails

Da. taxa richness: 13 (3 pts)
Mayfly richness: 2 (3 pts) Stonefly richness: 2 (3 pts)
Caddistly richness: 2 (3 pts) midge dom.: 14 x 100 = 17% (3 pts) dominance: 14+16+14 x100 = 54% (1 pt) total: 16 - not lookin' good ...

Shredders: 4+16+3+5 - 28 21% = 33 25% Scrapers: 4+1+11+3+14 collectors: 4+1+2+14+11+3=3527% predators: 4+16+3+7+5 = 3527% total=131