Key to Macroinvertebrate Life in the River Shells No Shells MACROINVERTEBRATE STUDY See the instructions on page 4. Single Shell **Double Shell** No Legs Leas spiral, Worm-Like tiny white 2 to 8 inches **HOW MANY** With tentacles, MULTIPLY **EQUALS** brushes or tails KINDS OF TIMES (SCORE Suckers, expands **EACH GROUP** reddish glides along 0 **EACH** and contracts U **DID YOU** ROW) smooth, "stiff" large, grey with tentacles P white or grey red or FIND? small head T x1 =Pouch Freshwater Threadworm **Fingemail** F Snail x2 =Clam Clam F Planaria or x3 = Midae Flatworm **Tubifex** Larva Midge Pupa Blackfly Leech TOTAL: Worms Water Larva (ADD ALL THREE SCORES) Cranefly T **Snipe Fly** T Rat tailed Horselly Cranelly T Larva Larva Maggot T Larva Larva Larva R T WATER QUALITY RATING Excellent (score of >22 or at least 4 "S" taxa) 10+ legs Four pairs of legs Three Pairs of Legs Good (score of 17 - 22 or at least 2 "S" taxa) Fair (score of 11 - 16 or at least 1 "S" taxon) shrimp-like, runs on Wings lobster-like Poor (score of <11 and no "S" taxa) swims on side in water Beetle-like, wings hard **Leathery Wings** Water Mite **Fishing** small, crawls swims moving back legs move grasping front legs, swims on back, swims right side up, lives on suface T Spider **Amphipod** No Wings or Scud S isopod or **Aquatic** Sowbug Riffle Water Boatman Beetle Crawling Backswimmer F Predaceous Water Whirligia **Water Beetle Giant Water** Diving Scavenger Beetle Bug Water Beetle Beetle Strider T No Obvious Tails One orTwo Tails Three Tails Six legs and green, tan, orange suction cuplarge, hinged lives in stone lives in stick dark head, green or large mouthparts, long tails, gills on abdomen long tails, gills large legs, Plate-like tails. Water no aills on abdome Scorpion T

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Stonefly

Nymph

S

Wayfiy

Mayfly

Nymph

S

Mayfly Nymph

Damselfly

Nymph

Mayfly

Nymph

Caddisfly

Larva

S

Caddisfly

Larva

Caddisfly

Larva

F

Alderfly

Dobsonfly or

Fishtly Larva

Caddisfly

S

Pyrallid

Caterpillar

Water

Penny

Dragonfly

