A KEY TO AQUATIC INSECTS* IN STREAMS OF THE SIERRA FOOTHILLS

1a. 1b.	If the object looks like a shell, a tube or a "house," then
2a. 2b.	If an animal is in the "house" and has jointed legs, then it is a
3a. 3b.	If the animal has tails at the end of its body, then
4a. 4b.	If it has two tails, then
5a. 5b.	If it has no wings, then
6a. 6b.	If it has flat shaped gills on each side of most abdominal segments, then it is a Mayfly nymph If it has no gills or only threadlike gills on a few abdominal segments, then it is a Stonefly nymph
7a. 7b.	If it has 1 or 2 pair of upright wings like little sails, then it is a
8a. 8b.	If it has no wings, then it is a
9a. 9b.	If it has three pairs of jointed legs, then
	If it has wings, then
	If it has wings sticking straight out (perpendicular) from its body, then
12b.	If it has a pair of small hooks on the end of its abdomen, and with or without numerous hair-like gills on its abdomen, then it is a
	If it has only 2 wings straight out from body, then
14b.	If it has speckled wings folded in a tent-shape \wedge over its body, then it is a Caddisfly adult If it has long, clear wings on edge over a very long, thin body, then it is a Damselfly adult If it has semi-hard wing covers that hide its wings, then it is aWater Boatman or Backswimmer
14d.	If it has completely hard and shinny wing covers that hide its wings, then it is aBeetle
15b.	If it has no legs, then

16a.	If it has a body shaped like an alevin, then it is a	Mosquito pupa
16b.	If it has a breathing tube at end of its abdomen, then it is a	Mosquito larva
16c.	If it has no breathing tube at end of its abdomen, and is shaped like a long cylinder end swollen and rounded, it is a	
17a.	If it is a small insect (less than ¹ / ₄ inch long), without a long, tube-like proboscis, w	ith or without

long hairy antennae, then it is aMidgefly adult**17b.** If it has a long, tube-like proboscis, then it is aMosquito adult

* Note: This key is for insects only. Other aquatic invertebrates such as snails, amphipods, isopods, etc. will not key out correctly with this key.

