



# Wildlife Survey & Photo Service

2443 Fair Oaks Blvd. # 209 • Sacramento, CA 95825 • (916) 747-8537

# REPORT

No. 2233\_CleanCanal



Mile 1.50 shows shady side of canal. Photo taken 2/20/07.



Mile 1.50 shows shady side of canal, lichen and moss. Photo taken 2/20/07.



Close-up of aquatic moss



Extreme close-up of aquatic moss.

March 1, 2007

**To:** Thomas Pate  
Solano County Water Agency

**Re:** Canal Management Item - New Zealand Mudsnaills and Aquatic Moss (*Fontinalis antipyretica*) in PSC.

### Report:

Mudsnaills in the Putah South Canal have shown the tendency to populate areas with aquatic moss (*not to be confused with algae*) and sediment. Some of the reasons are possibly, but not limited to:

1. NZMS prefer this habitat and seek such sites which tend to be on the shady (south) side of the canal as witnessed by the growth of the aquatic moss in the water and lichens on the banks.
2. The sites allow their presence (reduced velocity due to moss and lower light intensity)

### Recommendation:

If feasible, to reduce potential "optimum" sites for New Zealand Mudsnaills in the canal I recommend that:

1. The canal be cleaned every year. The difference the amount of sediment and mudsnaill density between January 2006 and January 2007 is highly significant.
2. The canal banks be "scraped" or "broomed" in the mossy areas prior to removal of sediment and debris from the canal.

**Submitted 3/5/07 by Ken W. Davis**



Mile 1.50 shows clean - sunny side of canal. Photo taken 2/20/07.



Close up of sunny side of canal. Photo taken 2/20/07.