

# Memorandum

To : Files

Date : April 8, 1994

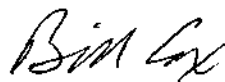
From : Department of Fish and Game

Subject: Atascadero Creek, Sonoma County

On March 29, 1994 I surveyed a portion of Redwood Creek, a small tributary to Jonive Creek which is tributary to Atascadero Creek to look for the California freshwater shrimp, *Syncaris pacifica*. Redwood Creek flows south, parallel to Furlong Road, and joins Jonive Creek near the intersection of Furlong and Bodega Avenue about 4 miles west of Sebastopol. I surveyed on the property of Madeleine Sone from about 300 feet above the confluence to about 1000 feet above the confluence. There was a moderate abundance of freshwater shrimp with both adults and juveniles present. Most of the habitat was in undercut banks with exposed roots. There was little overhanging terrestrial vegetation. This is a new location for the freshwater shrimp.

The stream and riparian habitat through the Sone property is well protected. There is relatively heavy rural residential development along the creek upstream from the Sone property, and it is reported that many of the homes divert water from the creek, or the underflow of the creek, for domestic and garden use. Steelhead trout are reported to use Redwood Creek as a spawning and nursery habitat. While I have not yet been able to confirm this, the habitat looks suitable.

I also checked a small portion of Jonive Creek, also on the Sone property, about 500 feet above the confluence with Redwood Creek and also found the freshwater shrimp. The shrimp have been previously found in Jonive Creek in this area. Habitat at this location consisted mostly of overhanging blackberry.



Bill Cox  
Associate Fishery Biologist