



### ABSTRACT

The zooplankton population in Balite Falls, Amadeo, Cavite was studied during weekly surveys between the months of April and May 2009. A total of 14 species were identified: 1 Protozoan, 1 Annelid, 2 Rotifers, and 10 Arthropods. The most abundant species are *Bosmina longirostris* and *Bosmina fatalis* at 79.35% and 75.09%, respectively, followed by *Eucyclops serrulatus* at 73.56%. Shannon diversity index was obtained and it showed a greater diversity in the higher, upstream area at 2.447, as compared to the lower, downstream area with only 2.260. The index results also show that based on species diversity, the waters maybe considered mildly polluted.