The aim of this study was to found the effects of irrigation pumps on the distribution zooplankton in the Lake Eğirdir. The abundance of zooplankton in the Lake were determined in different zones (pelagic and pump outlet) between May-September 2010 with 5 monthly periods. Zooplankton samples were taken from pelagic and pump outlet zones by using plankton net a mesh size of 55 μm. A total of 49 taxa were recorded as 31 Rotifera, 16 Cladocera and 2 Copepoda. Sørensen similarity index and indicator species analysis were used. Testudinella patina, Euchlanis dilatata, Lecane luna, Lecane bulla, Disparalona rostrata, Nitocra hibernica, Trichotria pocillum and Mesocyclops leuckarti bodanicola, which were found in the lake, are indicator species of pelagic and pump outlet zones.