The fish species composition in Lake Naivasha has been modified during recent years. Out of seven introduced and one indigenous species reported in 1962, only three introduced ones are found today. The elimination of species has been brought about by predation and changing ecological conditions. The most common fish species today is *Sarotherodon leucosticuus*. The hybridization found by previous workers between *S. leucostictus* x *S. spilurus niger* has stopped, as *S. s. niger* is no longer found in the lake. Most of the hybrid characters have been lost by the few surviving hybrids due to backcrossing between hybrids and between hybrids and *S. leucostictus*. The hybrids now mostly resemble *S. leucostictus*. 