

Chapter: 6

Conclusion

The study of primary productivity was conducted to know qualitative and quantitative status of phytoplankton and zooplankton along with physical and chemical properties of water of Foy's lake. After analyzing and discussing of six months data we can reach in a conclusion that water quality of Foy's lake was in satisfactory level but primary productivity was less satisfactory. Phytoplankton and zooplankton abundance were not in a god level, nine genera of phytoplankton were found that were under five classes and five genera of zooplankton were found that were under three classes. After completing this investigation, in a conclusion we can say that there is a huge possibility of semi extensive fish culture in Foy's lake which will not hamper water quality but intensive aquaculture is not possible because it is an amusement area that is human intervention is very high. Study about primary productivity and abundance of plankton is very important for aquaculture. As Bangladesh is in leading position in freshwater aquaculture in world ranking that is more important for our country.