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Patterns of Phytoplankton Community Structure at Inlet Site (Sanggul-Ri) in Lake Soyang

이은주*[1], 김범철[2], 조규송[3]

1: 강릉대학교 생물학과, 2: 강원대학교 환경학과, 3: 한국생태계보존연구소

Phytoplankton numbers, biovolume, chlorophyll a and various physical-chemical characteristics were investigated at inlet site (Sanggul-Ri) in Lake Soyang from 1984 to 1994. Range of water temperature was 2℃ to 32℃ at inlet site during the study. Range of transparency was 0.1m to 4.2m. Total occurrence species of phytoplankton was 84 Genus 282 species. The lowest value of transparency was showed that *Peridinium* spp. and *Anabaena* spp. dominated. Total phosphorus concentration of inlet site was seven times higher than that of dam site. The highest value of total phosphorus was measured when *Anabaena* was bloomed during 1990 to 1992. The lowest value of nitrate-nitrogen was showed that *Anabaena* spp. was bloomed and percent concentration of heterocyst was high during 1990 to 1992.