Lake Kyoga, Uganda

by

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Lake level and area variations 1960 to 2002 in Lake Kyoga, Uganda

Part of the project

Integrated management of Lake Kyoga natural resources >FIRRI (Fisherics Resources Research Institute), Uganda >DWD (Directorate of Water Development), Uganda >Uppsala University, Sweden

Project financed by SIDA SAREC











Four image types were used to map the historical area of Lake Kyoga, Uganda Landsat MSS (MultiSpectral Scanner) •Landsat TM (Thematic Mapper) •Landsat ETM (Enhanced TM), and •JERS SAR radar





Lake Kyoga 2001 (Landsat ETM)

All images were

•Geocorrected

•Resampled to a resolution of 250 m

•Classified to Water, Wetland, Land, Cloud

•Areas under cloud were classified from nearby dates with cloudfree conditions





















Lake Kyoga fishing



Lakeweb - System Analysis of Lake Kyoga fish ecology



LakeWeb Processes



Lakeweb - Functional Groups

Primary producers	Zooplankton	Zoobenthos	Fish
Phytoplankton	Herbivorous Zooplankton	Zoobenthos	Prey Fish
Benthic Algae	Predatory Zooplankton		Predatory Fish
Macrophytes			
	Decompose	ers	
	Bacterioplank	ton	



7. epilimnetic temperature



Lake Kyoga Aquatic Foodweb Dynamic Modelling with LakeWeb

Andreas Gyllenhammar

PhD, Environmental Analysis

Want to Learn more about Lakeweb? –

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