Kumamoto University

河川生態系の保全再生と自然の仕組みを活かした持続的な治水と流域管理のための研究

Study on River restoration and Sustainable river basin management for living things and human life

キーワード：河川生態、応用生態工学、流域保全 / keywords:, river restoration, ecological engineering, river basin management

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●河川生態系の保全再生のための基礎・応用研究

・河川構造と生態的機能の解明
・生息場評価モデルと水理シミュレーションを用いた魚類生物生息場評価
・河川横断工作物が河川生態系に及ぼす影響評価
・氾濫原依存種保全に関する研究
・自然と共生した川づくり（多自然川づくり）、水辺のデザイン

●自然の仕組みを活かした治水と流域管理に関する研究

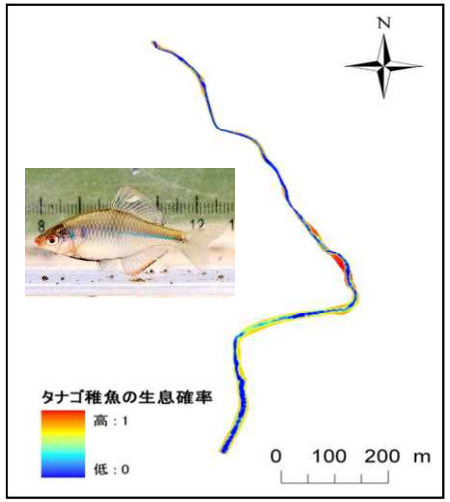
・自然の仕組みを活かした治水の多機能性の評価
・自然との共生のための地域知の評価
・自然の仕組み及び生態系サービスの評価

Basic and applied research for river and wetland restoration

・Elucidate the relationship between river system, river structure, and habitat of aquatic organism
・Evaluation of river environment using fish habitat model
・Study on river restoration method for conservation ecosystem depended on floodplain
・Study on Nature friendly river work for living things and human life

Study on flood control and river basin management intended to take advantage of the power and mechanisms of the natural environment and the knowledge in each region

・Multi- evaluation of flood control methods with mechanisms of the natural environment
・Evaluation of the knowledge in each region for sustainable coexistence between people and nature
・Evaluation of mechanisms of the natural environment and ecosystem service



Evaluation of river environment using fish habitat model

Aartificial habitat for conservation floodplain ecosystem

Design of for conservation tidal marshland environment


Environmental education