Appendix 1: Biophysical and Governance Activities undertaken in the management of CFRs.

Categorization	Specific Activity	Specifications/Goals ^a
Environment-	Building fences	Keep cattle out of CFR
related activities,	Ecoshelters	Provide fish habitat
$V_{i,t-1}$	Adding fertilizer	Increase nutrient availability
		when P and K levels too low
	Adding fingerlings or broodstock	Increase fish recruitment
	Adding or removing vegetation	Achieve ideal degree of
		intermediate vegetation
		coverage
	Expanding the CFR	Increase habitat size
	Planting flooded forest	Reduce run-off
	Purchasing a boat for monitoring and patrols	Reduce illegal fishing
Water-quality	Adding channels	Increase connectivity
related activities,	Adding inlets/outlets	Increase connectivity
Q_{it}	Adding pump	Increase water level in CFR
	Building dam	Increase water level in CFR
	Deepening the CFR	Increase habitat size
Governance	Awareness raising events	Increase knowledge about
Meetings, M_{it}		CFR and its management
		amount community
	Coaching on management skills	Increase knowledge about
		CFR and its management
		among CFR Committee
	Reflection workshops	Facilitate CFR Committee
		reflection and planning
Governance	Building a new CFR	Expansion of CFR domain
Activities, A_{it}	Demarcating the boundaries of the CFR	Reduce illegal fishing,
		establish jurisdiction
	Adding signs, paths, guard infrastructure	Reduce illegal fishing
	Holding elections of CFR Committees	Establish governance
		structure
	Establishing bylaws	Establish governance
		structure
	Holding events	Establish CFR governance
	Integrating CFR actions into broader	Increase CFR sustainability
	community investment plans	D 1 10' 2016

^a Hortle et al., 2004; Joffre et al., 2012; Miratori and Brooks, 2015; Brooks and Sieu, 2016