## The Belize Spawning Aggregation Working Group July 2016 – June 2017 WORKPLAN

Goal: To determine the success of management measures in enhancing Nassau grouper, Mutton & Cubera Snapper spawning aggregations.

Objective 1: Monitoring & Research													
Activities	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Member(s) spearheading activity
1.1 Training in size estimation using lasers													WCS
1.2. Conduct Nassau grouper, Mutton & Cubera Snapper SPAG monitoring at 10 (*Rise & Fall, Halfmoon Caye, Caye Bokel) priority sites using new fish count protocol and underwater video													All members
1.3. Update dive safety table													WCS, with inpu from all members
1.4 Ensure DAN insurance for dive team members													All members
1.5 Dive safety training													ERI
1.6 Estimate costs of monitoring at sites													All members
1.7 Determine size of fish using laser sizing system													WCS, All members
1.8 Rediscovering & Discovering SPAG sites													All members
1.9 Determine cost and requirements of acoustic studies													ERI, WCS
2.0 Exchange meeting and Monitoring with the Mexican SPAG working group													ERI, WCS

Objective 2: Meetings/SPAG Working Gro	oup												
Activities	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Member(s) spearheading activity
2.1. Hold regular SPAG Meetings													ERI & WCS
2.2. Carry out evaluation of 2016 work plan & planning session for 2017 work plan													All members
2.3. Develop annual report													ERI
Objective 3: Database/Data Analysis													
Activities	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Member(s) spearheading activity
3.1. Enter 2015 & 2016 monitoring data													All members
3.2 Enter new monitoring data													ERI, Fisheries, WCS, BAS, SEA
3.3 Upload reports to web site													WCS
3.4 Expand list of SPAG sites in database													ERI & BAS
3.5 Ensure Reports reflect new protocol by													ERI
including means and standard deviations													
Objective 4: Education and Public Awarer	iess.												
Activities	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Member spearheading activity
4.1. Routine update of web site and upload news items													WCS and ERI
4.2 Upload items from members on FB													All members
4.3 Produce annual newsletter													BAS

4.4 Broadcast TV 'spot', including on local cable TV													WCS, SEA, Fisheries,BAS and all members
4.5 Monitoring teams to include fishers wherever possible for mutual benefit													All members
Objective 5: Enforcement Monitoring	l												
Activities	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Member spearheading activity
5.1. Request updates on enforcement at spawning sites													All members
5.2. Estimate costs of enforcement at sites													Fisheries, SEA, BAS, WCS
5.3 Request support from Coast Guard for special joint patrols													Fisheries & Working Group
5.4 Involvement of fishers in surveillance at SPAG sites where appropriate													All members