

## Devon and Severn IFCA Annual Research Plan 2017-2018

Work-stream	Survey type	Project Title	Location	Method	Rationale	Project timescale	Partners	Lead Contact	Vessel / Shore	Pre-survey planning	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	Date for end of project	Local/ National /EU		
Crustacea Survey	Species Knowledge	Monitoring Studies of <i>Palinurus</i>	Lundy MCZ, Bideford to Foreland Pt MCZ	Possible Tagging	Understand movement, site fidelity, monitor recover species	3 days each site	Divers	Sarah Clark/ Lauren Parkhouse	Diver charters/ fishing vessels	Meet with Divers from Ilfracombe about accompanying them on trips to tag crawfish at Lundy.																
	Species Knowledge	Survey of <i>Palinurus</i> - Potting and Netting	District wide	Survey forms to distribute to commercial fishing industry	To gather evidence on the catches and CPUE if possible of Crawfish across the district.		fishermen	Sarah Clark	meetings, mail shot	Engage with fishermen to get better information to aid monitoring.																
	Species Knowledge	Survey of <i>Palinurus</i> - Divers	District wide/ Lundy	Survey forms	Form to go out to divers to gather evidence on the location, size and sex of Crawfish across the district.		divers	Sarah Clark	meetings, mail shot	Engage with Sea search, dive clubs, fishermen, to get better information to aid monitoring.																
Bivalve Surveys	Stock Assessment	Salcombe Scallop Assessment	Salcombe Estuary SSSI	Dive cameras and Pyramid Frame or catch surveys on board fishing vessels when fishery opens	Inside and outside Bag to assess location and stock levels	2/3 days	fishermen	Lauren Parkhouse/ Steph Davies	SV Black Jack/ fisherman																Mar-18	Local - IFCA District
	Stock Assessment	Exe Mussel Survey	Exe Estuary SPA - All beds. Bull Hill and Starcross will be done using the Dutch Wand. Lypmstone and Powderham may need to be done with a small grab	Dutch Wand Method / Hand Grab. Dictaphone for recording data	Annual Survey to assess mussel stocks within the SPA to ensure that there is sufficient resource for the overwintering birds. Drone footage from 2016 may be used to assess extent of beds in areas of difficult access then a small grab could be deployed from a vessel at high water to sample density within these beds	2-4 days	NE, Volunteers & Exe Estuary Officer	Steph Davies/Dan Cresswell	intertidal shore survey	Accessible beds were completed in April 2016. Inaccessible beds - aerial survey with drone as part of crab tile survey. D&S IFCA vessel may be required to collect core samples - mini grab if officers cant reach all beds.																Local - IFCA District
	Stock Assessment	Taw Torridge Mussel Survey	Taw Torridge Estuary SSSI	Dutch Wand Method / Dictaphone for recording data. Tin boat for access.	Annual Survey to assess mussel stocks within the SSSI to ensure that there is sufficient resource for the overwintering birds.	4-5 days	NE, volunteers	Steph Davies/Dan Cresswell	intertidal shore survey																Apr-18	Local - IFCA District
	Stock Assessment	Exe Cockle Survey	Exe Estuary SPA	0.1m <sup>2</sup> quadrat, grid	Biennial Survey to assess density and distribution of the cockle resource in the Estuary to inform the future development of a fishery.	1-2 days	NE, Volunteers & Exe Estuary Officer	Steph Davies/ Sarah Clark	intertidal shore survey																	Oct-17



