Devon & Severn IFCA Annual Research Plan 2015-2016

IFCA	Survey type	Project Title	Location	Method	Rationale	Likely time scale/number of days of survey time	Partners?	Lead Contact	Vessel / Shore	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR
Devon and Severn IFCA	Habitat/Feature Mapping	EMS Ground Truthing	SPPSE SAC -'Pinnacles'	Flying Array	Ground Truthing habitat to verify presence of reef. Inform access to mobile gear	4 days		Lauren Parkhouse	SV Black Jack												
Devon and Severn IFCA	Habitat/Feature Mapping	EMS Mapping	SPPSE SAC Bigbury Bay Reefs	Flying Array/ Sidescan	Ground Truthing habitat to verify presence of reef/ inform conditional assessment	4 days		Sarah Clark/Lauren Parkhouse	SV Black Jack												
Devon and Severn IFCA	Habitat/Feature Mapping	Ground Truthing Torbay MPA (mud, biogenic reef)	Torbay	Sidescan / flying array?	Ground Truthing on mud habitat/ location of new biogenic 'reef'. Use of Sidescan initially then decide if filming needed	3 days		Sarah Clark/Lauren Parkhouse	SV Black Jack												
Devon and Severn IFCA	Habitat/Feature Mapping	Condition Assessment Reef	Torbay part of Lyme Bay & Torbay SAC	flying array	Ground Truthing on mud habitat/ location of new biogenic 'reef'. Use of Sidescan initially then decide if filming needed	5 days	NE	Sarah Clark/Lauren Parkhouse	SV Black Jack												
Devon and Severn IFCA	Habitat/Feature Mapping	Salcombe SSSI Feature/INNS mapping	Salcombe SSSI	Drop down flying dive cameras	investigate habitat in the 'Bag'. Extent of slipper limpet beds. To inform any changes in scallop fishery extent	2 days	fishers?, NE, AONB	Sarah Clark/Lauren Parkhouse	SV Black Jack or RIB												
Devon and Severn IFCA	Stock Assessment	Salcombe Scallop Assessment	Salcombe SSSI	Dive cameras and Pyramid Frame	Inside and outside Bag to assess location and stock levels	2/3 days	fishers	Lauren Parkhouse/ Katherine Gray	SV Black Jack												
Devon and Severn IFCA	Gear Impacts	Potting and Trawling Impacts -PhD filming	SPPSE SAC	Flying Array	Last year of Sarah's PhD filming. Same sites as in 2013 and 2014. Inform HRA	32 sites -7-10 days	Plymouth Uni IFCA fund	Sarah Gall/Lauren Parkhouse	SV Black Jack												
Devon and Severn IFCA	Gear Impacts	Impacts of Netting in EMS	SPPSE SAC	Go Pros on gear	Impact studies to inform netting amber risk activity HRA. Outcomes to be shared with TAG - as SC Netting Champion.	3 locations - 6 days	Plymouth Uni MSc	Sarah Clark	Fishing Vessel												
Devon and Severn IFCA	Species Knowledge	Monitoring Studies of Palinurus	Lundy MCZ	Large Funnel Inkwells/ Tagging	Monitoring programme to get baseline levels of Crawfish in the MCZ as this species has a recover conservation objective.	4 days tagging, 2 days monitoring	Fishers, NE	Sarah Clark	Fishing Vessel												
Devon and Severn IFCA	Species Knowledge	Monitoring Studies of Palinurus	Skerries Bank & Surrounds	Large Funnel Inkwells/ Tagging	Monitoring programme to get baseline levels of Crawfish in the MCZ as this species has a recover conservation objective.	4 days tagging, 2 days monitoring	Fishers, NE	Sarah Clark	Fishing Vessel												
Devon and Severn IFCA	Species Knowledge	CPUE of Palinurus - Potting ad Netting	District wide	Survey forms	Form to go out to fishers to gather evidence on the catches and CPUE if possible of Crawfish across the district.		Fishers	Sarah Clark	meetings, mail shot												
Devon and Severn IFCA	Other	Size of Sexual maturity of Start Bay Whelks	Start Bay South Devon	Analysis of Whelk samples collected by fishers	To assess whether the Start Bay population of Whelk has a different SOM from other populations already assessed and how this may affect management within the district (whole district or zones)	12 samples - 12 days	Fishers, Cefas?	Katherine Gray	Fishing Vessel												
Devon and Severn IFCA	Stock Assessment	CPUE/ LPUE Lobsters & Brown Crab	Whole district	on board surveys & landings	Data to improve knowledge of catches per unit effort with on board surveys and landings per unit effort for shore surveys to help inform Cefas Stock assessments. Use Cefas protocol. On board landing per unit effort will be undertaken to look at the proportion of catch of brown crab between 140mm and 150mm to inform consultation on changes in MLS.	4 days per month - 36 days	Fishers, Cefas?	Sarah Clark	Fishing Vessel												
Devon and Severn IFCA	Species Knowledge	Lobster Tagging	IPA South Devon	Streamer tags - on board survey	Undertake Lobster tagging to improve knowledge on this species, total catch, movements, recapture rate, growth.	6days	fishers	Sarah Clark	Fishing Vessel												
Devon and Severn IFCA	Fishing Activity	Torbay MCZ Fishing effort survey	Torbay MCZ	Survey forms, sightings	To assess the level of effort and the extent of effort of the different fishing activities with the MCZ and how these pressures might impact the features.		fishers	Sarah Clark	meetings, mail shot												
Devon and Severn IFCA	Stock Assessment	Exe Mussel Survey	Exe Estuary SPA	Dutch Wand Method	Annual Survey to assess mussel stocks within the SPA to ensure that there is sufficient resource for the overwintering birds.	4-5 days	NE	Katherine Gray	intertidal shore survey												
Devon and Severn IFCA	Stock Assessment	Taw Torridge Mussel Survey	Taw Torridge Estuary SSSI	Dutch Wand Method	Annual Survey to assess mussel stocks within the SSSI to ensure that there is sufficient resource for the overwintering birds.	4-5days	NE	Katherine Gray	intertidal shore survey												
Devon and Severn IFCA	Stock Assessment	Exe Cockle Survey	Exe Estuary SPA	0.1m2 quadrat, grid	Biennial Survey to assess density and distribution of the cockle resource in the Estuary to inform the future development of a fishery	1-2days		Katherine Gray	intertidal shore survey												
Devon and Severn IFCA	Fishing Activity	Severn Estuary EMS fishing activity survey	Severn EMS	Survey forms, sightings	On going survey of the fishing activities in the EMS to inform HRAs		fishers	Libby Ross	RIB, charter boats												
Devon and Severn IFCA	Fishing Activity	Monitoring of fishing activity in D&S IFCA Angling zones	Skerries Bank, Severn, Enstrom Wreck	sightings, ground surveys	Monitoring the uptake and compliance of the Angling Zones code of conduct to evaluate its effectiveness and value to the recreational fishers/RSA sector in the areas.	2 boat surveys per week. 2 shore surveys - one year monitoring.(52 days PV, 52 charter)	anglers, fishers	Libby Ross	RIB, charter boats												
Devon and Severn IFCA	Species Knowledge	Skate & Ray Tagging	Skerries Bank	Peterson Tags	Monitoring of the patterns of distribution and movement of skates species across the Skerries bank to aid engagement with anglers and to inform on the success and benefits of the code of conduct.	4-5 days	anglers, fishers	Libby Ross	Angling/ fishing vessel												
Devon and Severn IFCA	Species Knowledge	Skate & Ray Monitoring & Tagging	Bristol Channel	DST & Peterson Tags	Monitoring of the patterns of distribution movement and migration of skates species in N Devon and develop long-term monitoring plan and fisheries improvement plan.	50 tags - up to 5 days	anglers, fishers	Libby Ross	Angling/ fishing vessel												
Devon and Severn IFCA	Gear Impacts	Bait Surveys	Plymouth Sound & Estuaries Ems, Severn EMS, Exe SPA	sightings, survey forms	Extent and effort bait surveys will be completed earlier this research year and results will feed into HRA and future management measures.		fishers	Libby Ross	Shore visits												
Devon and Severn IFCA	Fishing Activity	Intertidal Hand Gathering	District wide	sighting2	Intertidal gathering extent and effort data and where possible amounts collected will inform HRA and future management measures.			Sarah Clark	Shore visits												