

Species potentially detected by the AATAMS receivers

One of AATAMS' difficulty was to design arrays/curtains for generic projects without having specific targeted study species. Consequently, scientific committee members often enquired about which species would be detected by AATAMS proposed arrays and curtains. The following present information on current and future projects that have tagged or will tag organisms expected to be detected by AATAMS' receivers. I hope that this will help committee members to discuss current and future AATAMS deployments taking into considerations the organisms likely to be detected. This is also aimed at the community to inform them that AATAMS receivers might detect their study species and to ensure that AATAMS is aware of which species might be detected by AATAMS receivers.

If you know of projects, not mentioned here, with tagged organisms that could be detected by the AATAMS deployments, please contact me (charlie.huveneers@sims.org.au).

Ningaloo Reef Ecosystem Tracking Array (three curtains, one large array in Mangrove Bay, two small arrays around Coral Bay – AIMS/WAMSI)

Species name	Principal investigator	Project name
Manta ray	Kathy Townsend	The biology and conservation status of the manta ray, <i>Manta birostris</i> , along the east coast of Australia
White shark	Barry Bruce	White shark research
Silvertip shark	Iain Field	Habitat use and migration patterns of silvertip and grey reef sharks at the Rowley Shoals, Western Australia
Grey reef shark	Iain Field	Habitat use and migration patterns of silvertip and grey reef sharks at the Rowley Shoals, Western Australia
Sharks	John Stevens	Ningaloo Reef Ecosystem Tagging Array
Snapper	Russ Babcock	Ningaloo Reef Ecosystem Tagging Array
Silver trevally	Russ Babcock	Ningaloo Reef Ecosystem Tagging Array
Spangled emperor	Russ Babcock	Ningaloo Reef Ecosystem Tagging Array
Yellow-tail emperor	Russ Babcock	Ningaloo Reef Ecosystem Tagging Array
Coronation cod	Russ Babcock	Ningaloo Reef Ecosystem Tagging Array
Golden trevally	Russ Babcock	Ningaloo Reef Ecosystem Tagging Array
Yellowspotted trevally	Russ Babcock	Ningaloo Reef Ecosystem Tagging Array
Yellowband parrotfish	Russ Babcock	Ningaloo Reef Ecosystem Tagging Array
Bullethead parrotfish	Russ Babcock	Ningaloo Reef Ecosystem Tagging Array
Twinspot wrasse	Russ Babcock	Ningaloo Reef Ecosystem Tagging Array
Blacktip reef shark	Conrad Speed	Movement patterns and habitat use of reef sharks in Ningaloo Reef
Manta ray	Florencia Cerutti	Population and migration of manta rays at Ningaloo Reef, WA

Perth (OTN line west – WA Fisheries)

Species name	Principal investigator	Project name
Dusky whaler	Rory McAuley	Movements and migrations of shark species commercially targeted in WA
Sandbar shark	Rory McAuley	Movements and migrations of shark species commercially targeted in WA
White shark	Barry Bruce	White shark research
Dhufish	Jason How	Movement of dhufish (<i>Glaucosoma hebraicum</i>)
Silver trevally	David Fairclough	The fish communities and main fish populations of the Jurien Bay Marine Park
Snapper	David Fairclough	The fish communities and main fish populations of the Jurien Bay Marine Park

Southwest Australia (three non-overlapping curtains – CSIRO)

Species name	Principal investigator	Project name
Southern bluefin tuna	Alistair Hobday	Acoustic monitoring of juvenile southern bluefin tuna migration pathways
White shark	Barry Bruce	White shark research
Pelagic sharks	Paul Rogers	Movements of pelagic sharks in South Australian waters
Dusky whaler	Rory McAuley	Movements and migrations of shark species commercially targeted in WA
Sandbar shark	Rory McAuley	Movements and migrations of shark species commercially targeted in WA
Gulper shark	Ross Daley	Movements of gulper sharks in the Great Australian Bight

South Australia (short curtain of Glenelg – SARDI)

Species name	Principal investigator	Project name
White shark	Barry Bruce	White shark research
Pelagic sharks	Paul Rogers	Movements of pelagic sharks in South Australian waters
Giant Australian cuttlefish	Nicholas Payne	Movement and migration of giant Australian cuttlefish, <i>Sepia apama</i> , in northern Spencer Gulf
Australian Salmon	Jayson Semmens	Movements of Australian salmon
Snapper	SARDI	Movements of snappers
Tailor	PirVic	

Bass Strait Gates (OTN line east – PirVic)

Species name	Principal investigator	Project name
White shark	Barry Bruce	White shark research
Pelagic sharks	Paul Rogers	Movements of pelagic sharks in South Australian waters
Seven gill shark	Adam Barnett	The role of apex predators in coastal ecosystems
Australian salmon	Jayson Semmens	Movements of Australian salmon
Tailor	Terry Walker	
King george whiting	Terry Walker	
Snapper	Terry Walker	
Black bream	Jeremy Hindell	Acoustic tracking of black bream and dusky flathead in the Gippsland Lakes
Dusky flathead	Jeremy Hindell	Acoustic tracking of black bream and dusky flathead in the Gippsland Lakes
Southern eagle ray	David Phillips	Habitat use and migration of chondrichthyans in Swan Bay, Victoria, Australia
Southern fiddler ray	David Phillips	Habitat use and migration of chondrichthyans in Swan Bay, Victoria, Australia
Stingarees	David Phillips	Habitat use and migration of chondrichthyans in Swan Bay, Victoria, Australia
Gummy shark	Terry Walker	Habitat use and migration of chondrichthyans in Swan Bay, Victoria, Australia
Smooth stingray	David Phillips	Habitat use and migration of chondrichthyans in Swan Bay, Victoria, Australia
Southern bluefin tuna	Alistair Hobday	Acoustic monitoring of juvenile southern bluefin tuna migration pathways
Mulloway	Matty Taylor	Post release behaviour of hatchery reared mulloway (<i>Argyrosomus japonicus</i>) in south east Australia

East coast deployment (curtains off Sydney and Coffs Harbour, SEACAMS – NSW DPI)

Species	Principal investigator	Project name
Grey nurse shark	Nick Otway	SEACAMS
White shark	Barry Bruce	White shark research
Black cod	Emily Buckley	Conservation ecology of black cod (<i>Epinephelus daemeli</i>), a threatened species in NSW
Blue groper	Emily Buckley	Movement patterns of blue groper (<i>Achoerodus viridis</i>) within the Bronte-Coogee aquatic reserve, NSW
Bull shark	Charles Gray	Movements and biology of coastal sharks in NSW
Bluenose cod	Jason Thiem	Delivering Environmental Flows for Large Biota (NAP Funded)
Macquarie perch	Jason Thiem	Delivering Environmental Flows for Large Biota (NAP Funded)
Mulloway	Matty Taylor	Post release behaviour of hatchery reared mulloway (<i>Argyrosomus japonicus</i>) stocked in a south east Australian estuary
Yellowfin bream	Paul Butcher	Using recreational anglers to estimate and maximise the survival of released line-caught fish
Estuary perch	Chris Walsh	Biology and ecology of estuary perch and Australian bass subject to environmental flows and fishing
Australian bass	Ivars Reinsfelds	Performance assessment in facilitating passage for Australian Bass (<i>Macquaria novemaculeata</i>)