

Summary of Student Dissertations in collaboration with National Marine Aquarium

Category	Title of Project/Scientific Paper	Student/ Author Name(s)	Project Supervisor(s) / First Author	Academic Year/Year Paper Published
HUSBANDRY				
Behaviour (x-ref with Feeding)	Environmental Changes and Patterns of Behaviour in Captive Sand Tiger Sharks, <i>Carcharias taurus</i>	Jennifer Lawson	Dr P Gee	2009-2010
	Investigating Enclosure Utilization of Captive Corkwing Wrasse (<i>Crenilabrus melops</i>), at the National Marine Aquarium	Kathleen McCaughan	Dr D J Price	2009-2010
	The Effects of an Additional and Unpredictable Feed on the Behaviour and Distribution of Fish in a Coral Seas Tank, with Particular Focus on the Silver Mono (<i>Monodactylus argenteus</i>)	Nicola Fulker	Dr P Gee	2008-2009
	Combating Feeding Anticipatory Activity and Encouraging Enclosure Use in Silver Moonfish (<i>Monodactylus argenteus</i>)	Nadia Al-Humaidan	Dr P Gee	2008-2009
	Exploring Influences on Behaviour in Coral Reef Fishes	Nadia Al-Humaidan	Dr P Gee	2007-2008
	The Effect Feeding and Husbandry Routines have on the Behaviour of Fish in a Coral Ref Tank and the Orbicular Batfish (<i>Platax orbicularis</i>)	Kerry Bishop	Dr P Gee	2007-2008
	The Effects of a Controlled Feeding Regime on Captive Sand Tiger Sharks (<i>Carcharias taurus</i>) **	J. Cartwright, Y. Dawson, R. Jones, E. Norton and K Waller	Dr D J Price	2007-2008
	Echinoderm Righting Behaviour as a Tool for Environmental Monitoring	Tom Campbell-Hill	Prof M Jones	2007-2008
	Do Threadfin Butterflyfish (<i>Chaetodon auriga</i>) Perceive Objects as a Whole, or as a Component of its Parts?	Lesley Craig	Dr P Gee	2006-2007
	Shoaling Behaviour of the Orbicular batfish, <i>Platax orbicularis</i>	Martyn Jakeman	Dr D J Price	2006-2007
	Temporal Conditioning in Clownfish (<i>Frenatus amphi-prion</i>)	Rachel Bent	Dr P Gee	2005-2006
	Investigating learning in Cichlids (<i>Cichlidae spp</i>) Using Two Stimuli	Katie Richardson	Dr P Gee?	2005-2006?
	Mating Choices in the Bangaii cardinalfish <i>Pterapogon kauderni</i>	Deborah Martin	?	2004-2005?
	Tank Colouration – Does it Affect Behaviour in Bangaii Cardinals (<i>Pterapogon kauderni</i>)?	Katie Arnold	Dr D J Price	2004-2005
A Behavioural Study on the Effect of Artificial Weed Substrate on Morning Greeting and	Sylvia Spence	University of	2001-2002	

	Other Behaviours of Pair-bonded Adult Lined Seahorses <i>Hippocampus erectus</i> (Perry, 1980)		Exeter	
	The Behaviour of Sand Tiger Sharks, <i>Carcharias taurus</i> , in Captive Environments	Kathryn Ruth Harris	University of Southampton	2001-2002
	The Effect of Relocation and Husbandry Techniques on the Behaviour of Captive Sand Tiger Sharks, <i>Carcharias taurus</i>	Mark Plummer	Dr D J Price	2001-2002
	An Investigation of Greeting Behaviour in the Lined Seahorse, <i>Hippocampus erectus</i>	Nicola Tapp	Dr DJ Price	2000-2001
Enrichment	Octopus Enrichment	Emma Hemsley	Dr P Gee	2009-2010
	The Effects of Enrichment Objects on the Behaviour of a Giant Pacific Octopus, <i>Enteroctopus dofleini</i>	Naomi Elder (Final report – Nuffield Science Bursary)	Dr P Gee	2008-2009
Feeding and Nutrition (x-ref with Behaviour)	An Investigation into the Dietary Feeding Pattern of Captive Blacktip Reef Shark <i>Carcharhinus melanopterus</i> under Aquarium Conditions	Jason Savin	Prof S J Davies	2009-2010
	Growth and Feed Performance of Juvenile Turbot (<i>Psetta maxima</i>) Fed on Frozen Mysid and Cultured Live Mysis (<i>Neomysid integer</i>) Enriched with Yeast and Commercial Project	Chris Challen	Prof S J Davies	2008-2009
	Growth, Feed Utilization and Behaviour of Juvenile Atlantic Turbot (<i>Psetta maxima</i>) under Varying Photoperiod Treatments	Charles Scott	Prof S J Davies	2008-2009
	Continuous versus Discrete Feeding Regimes in Aquaria: its Effects on Feeding Behaviour and Mortality Rates of Juvenile <i>Hippocampus reidi</i> (Teleostei: Syngnathidae)	Rachel Forsyth	Dr D J Price	2006-2007
	The Effects of Replacing Live Enriched Food by a Novel Artificial Diet on the Growth and Survival of Seahorse Fry (<i>Hippocampus kuda</i>)	Vasco Schmidt	Dr S J Davies	2005-2006
	The Effect of Enrichment of <i>Artemia</i> and <i>Mysis</i> on the growth and survival of Sub-adult <i>Hippocampus barbouri</i>	Lucinda S McCombe	University of Wales Swansea	2003-2004
	The Effect of Differing Sex Ratios on the Feeding and Behaviour of the Big Bellied Seahorse	Hayley J Rose	Dr D J Price	2003-2004
	The Clownfish <i>Amphiprion frenatus</i> : how supplementary diets effects growth rates of juvenile specimens ALSO – Propagation Needs of the Marine Aquarium Trade and its Future Considerations, with Emphasis on Marine Clownfish – A Literature Review	Darren Orchard	Dr S J Davies	2003-2004
	Astaxanthin Administration to <i>Hippocampus whitei</i> (Bleeker 1855) and <i>Hippocampus kuda</i> via Bioencapsulation in <i>Artemia sp.</i>	James Wright	Dr S J Davies	2003
	An Investigation into the Feeding Rates of Juvenile <i>Hippocampus barbouri</i> and whether they are time dependent	Heather Coston	Dr D J Price	2002-2003
	The Effect of Tank Background colour on Feeding and Mortality Rates of the Captive juvenile Whites Seahorse, <i>Hippocampus whitei</i>	Darcy Phillips	Dr S J Davies	2002-2003
	The Effect of Tank Background Colour and Light Intensity on Prey Attack of Captive Juvenile Knysna Seahorses, <i>Hippocampus capensis</i> (Teleostei: Syngnathidae)	Edward Jones	Dr D J Price	2001-2002

	Growth and Survival of Seahorse (<i>Hippocampus erectus</i> , Perry 1810-1811) fry Fed <i>Artemia</i> Nauplii with Varying Enrichment Time	Tom Felce	Dr S J Davies	2000-2001
	The Effects of Stocking Density on the Growth of Juvenile <i>Hippocampus capensis</i> Boulenger, 1900 (Teleostei: Syngnathidae)	Maya Plass	Dr M Attrill and Dr S J Davies	2000-2001
	A Behavioural Study, with Targeted Histological Examination, on the Use of Gustatory and Olfactory Senses, and the Effects of Tank Colour and Stained <i>Artemia</i> on the Feeding Behaviour of the Lined Seahorse <i>Hippocampus erectus</i> (Perry 1810): Including an Assessment of Image Analysis as a Tool to Measure Size and Growth	Colin Wells	Dr S J Davies	2000-2001
	Feeding Rates and Food Preferences of <i>Hippocampus erectus</i>	Nathalie Wyles	Dr D J Price and P Russell	2000-2001
	Growth Rate and Survival of Juvenile Spotted Seahorse, <i>Hippocampus kuda</i> , Fed on Live <i>Artemia Salinas</i> Nauplii Enriched with Two Different Diets	Johanna Smith	Ecole Nationale Veterinaire de Toulouse	1999-2000
	A Preliminary Study Assessing Commercial Diets on the Java Rabbitfish, <i>Siganus javus</i> , in Aquarium Conditions	Lucy Harrison	Dr S J Davies	
Husbandry Techniques (e.g. exhibit requirements)	Mini Report on the Possible Association between Events with Mortality and Illness **	Emma Hemsley (mini report for placement year)	Dr P Gee	2008-2009
	Sediment Preference in the Juvenile Cuttlefish <i>Sepia officinalis</i>	Matthew Wale	Dr K Sloman	2008-2009
	Do Captive Seahorses Exhibit a Preference for Artificial <i>Zostera</i> ?	Amy Worman	Dr J Bishop	2007-2008
	The Importance of Artificial Structures as Seahorse Habitats **	S. Featherstone, D. Lambert, K. Ryder, J. Williams & L. Clarke	Dr D J Price?	2007-2008
	An Investigation into the Optimum Flow Rates of Plumose Anemones (<i>Metridium senile</i>)	Katie Wright (report for Nuffied Bursary)	N/A	2007
	Research Project on the Pink Sea Fan <i>Eunicella verrucosa</i> .	Sarah Strong (Work placement project at the National Marine Aquarium)**	University of Glasgow	2004-2005
	A Taxonomic Study Using External Body Measurements of Different Seahorse (<i>Hippocampus</i>) Species to Produce a Simple and Practical Method of Identification: including an investigations inot the use of image analysis as a tool to measure morphological differences	Deborah E Boonham	N/A	2003

Water Quality and Microbiology	Bacterial Diversity Associated with the Mucus Microlayer of Three Genera of Aquarium Kept Soft Coral	Katie Laming	Dr C Munn	2009-2010
	Evidence for Phosphonate Usage in the Coral Holobiont	S. Thomas, H. Burdett, B. Temperton, R. Wick, D. Snelling, J.W. McGrath, J.P. Quinn, C. Munn & J.A. Gilbert	S Thomas (PML)	2008-2009
	Diversity of <i>phnA</i> Gene Homologues in Temperature-Stressed Cnidarian-Associated Bacteria	Heidi Burdett	Dr C Munn/Dr J Gilbert	2007-2008
	National Marine Aquarium Coral Tank Refugium Diversity and water Quality Report **	Katie Laming (report for SfAM bursary)	Dr C Munn	2008-2009
	Diversity of Bacteria Found in Water Systems and Corals I the National Marine Aquarium Plymouth (UK)	Charlotte Smith	Dr C Munn	2006-2007
	Assessing the Effects of Aquarium Filtration Systems on Water Quality	Louise Mann	Dr D J Price	2005-2006

CONSERVATION AND ENVIRONMENTAL PSYCHOLOGY				
Sharks	Analysing the Tourist Perception of Shark Ecotourism: White Shark Cage Diving in South Africa and Sharks in Aquariums	Jonathan Brennan	Prof S Hill	2009-2010
	Society and its Use of Sharks **	Will Tyler	(non-UoP)	2007-2008
Marine Issues	The Impact a Visit to the National Marine Aquarium can have on People's Feelings of Moral Responsibility, and Behavioural Intentions Towards the Marine Environment	Sarah Morris	Dr S Pahl	2008-2009
	Sustainable Fish Consumption: the Effects of an Aquarium Visit and an Information Booklet on Pro-Environmental Attitudes and Intentions	Kayleigh Wyles	Dr S Pahl	2008-2009
	Enhancing the "Marine Mindset": The Effects of an Aquarium Visit and Information Booklet on Attitudes and Intentions About Fish Sustainability and Marine Pollution	K. Wyles, S. Pahl, M. White, S. Morris & D. Snelling	Dr S Pahl	Manuscript under review – submitted 2009

OCEANS AND HUMAN HEALTH				
Aquatic Restoration	Blue Space: The Importance of Water for Preference, Affect, and Restorativeness Rating of Natural and Built Scenes	M. White, A. Smith, K. Humphyres, S. Pahl, D. Snelling and M. Depledge	Dr M White	2010
	Aquatic Restoration in Children	Louise Heppell	Dr M White	2008-2009
	An Aquatic Environments Influence on the Emotions and Well-being of Young Children	Katie Amy	Dr M White	2008-2009
	Emotional Experiences of Visiting the National Marine Aquarium (student project summary)		Dr M White	2008-2009

SCYLLA (and Whitsand Bay area)				
Artificial Reefs (including colonisation, sedimentary processes)	Colonization of an Artificial Reef in South-West England – ex-HMS 'Scylla' #	K. Hiscock, S. Sharrock, J. Highfield, and D. Snelling	Dr K Hiscock	2010
	A Report for DEFRA: The <i>Scylla</i> Monitoring Programme 2007-2009	Deborah Snelling	D Snelling	2010
	Can the Environmental Monitoring of Recent Shipwrecks inform us about the Ecological post-Depositional Processes of Shipwrecks in North-West Europe?	James Yonge	University of Bournemouth	2008-2009
	Shipwrecks as Potential Artificial Reefs. A Comparative Study of the Colonisation of Two Wrecks; HMS Scylla and the James Eagan Layne, Whitsand Bay, Cornwall	Hywel Abbott	Prof. S Hill	2007-2008
	HMS <i>Scylla</i> : a New Role for a Redundant Ship	D. Snelling and K. Boot	D Snelling	2007
Virtual Reality	A Report for DEFRA: The <i>Scylla</i> Monitoring Programme 2004-2006	Deborah Snelling	D Snelling	2006
	A Study of Scour within Wreck Site-Formation at HMS Scylla	Jonathan Treloar	Gwyn Jones	2004-2005
	The <i>Virtual Scylla</i> : An Exploration of "Serious Games", Artificial Life and Simulation Complexity	R. Stone, D. White, R. Guest and B. Francis (based on Ben's MSc project)	Prof R J Stone	2009
Public Attitudes and Socio-	An Investigation into the Public Attitude toward a Marine Environmental Issue in the areas of the River Tamar and Whitsand Bay	Benjamin Vieyra	Dr M Donkin	2007-2008
	A Critical Analysis of the Scylla Project	Charlotte Morgan	Dr M Keith-	2005-2006

economic studies	A Critical Analysis of the Scylla Project	Charlotte Morgan	Roach	2005-2006
	Exploring the Social, Economic and Environmental Impacts of an Artificial Reef, Using the Scylla as a Case Study	Tonia Williams	Dr G Glegg/ Deborah Snelling	2005-2006

LEARNING AND INTERPRETATION				
Informal Learning	Interpretation of Large Marine Animals: A Comparative Study of Informal Learning at Aquaria in English-speaking Countries	Caroline Thalund	University of Southern Denmark	2006-2007
MISC.				
Charitable status	Does Knowledge of the National Marine Aquarium's Charitable Status Influence the Experience of Visitors and Their Perceptions of its Value for Money?	Donna Langley	Dr M White	2008-2009

* Project not conducted at NMA

** Coursework or placement project