

# Dr Adam Cohen

Managing Director – Australasian Marine Associates

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## Overview

Dr Cohen has 25 years' experience in sourcing, scoping and managing a variety of coastal, near shore and offshore marine projects and investigations. Adam has considerable experience in managing specialist teams in the areas of Port and Harbour development, subsea pipelines, offshore oil and gas exploration, ocean outfall design, dredging and land reclamation.

Adam's previous employment was with Golder Associates, as the Ports, Coasts and Marine Group Manager, Australia and prior to this, Dr Cohen was Customer Sector Group Manager, Coastal and Marine Environment, Southern Region for WorleyParsons.

Work undertaken through the 90's and over the past decade has been throughout Australia, PNG, Torres Strait Islands, Africa, the UAE, Saudi Arabia and Trinidad, servicing the offshore oil and gas and CSG industries, mining and metals industry around dredging and Port development, as well as working on desalination, wastewater, recycled water and cooling water and power plants throughout Australia and overseas.

Adam has specialist expertise in project management, marine geological survey, marine environmental impact assessment, water quality investigation and coastal processes studies. Dr Cohen has conducted numerous marine surveys for Government Departments, City Councils and private industry and has experience in the tendering and subsequent management of multi-million dollar marine survey programs.

His experience allows an easy transition from the technical surveys, which are used to describe the site characteristics into the engineering design and construction/dredging requirements for a project. Adam is an ADAS Commercial Diver Level 1, AS2299 and previously held Dive Officer positions during his employment at Golder and WorleyParsons.

## Education

Bachelor of Applied Science, Queensland University of Technology, Brisbane, 1993

Post-Graduate Diploma in Marine Science, University of Queensland, Brisbane, 1994

Doctor of Philosophy (Ecotoxicology) RMIT University, Melbourne, 2000

## Certifications

Commercial Diver Level 1 AS2299 2005

## Experience

### **Australasian Marine Associates 2014-current**

#### **Managing Director**

Adam founded Australasian Marine Associates with Dr Daniel Spooner in 2014. After 20 years of working for large corporate consultancies, Dr Cohen decided to start his own marine environmental engineering consulting business, with Co-Director and Co-Founder, Dr Daniel Spooner. AMA provide marine environmental engineering consulting services to industry and government, delivering exceptional service at extremely competitive rates.

Australasian Marine Associates provides specialist marine environmental engineering consulting services in both marine and coastal environments. Coupled with advanced marine environmental, coastal processes and bathymetric mapping capabilities, we supply a fully integrated service for projects that interface with marine and coastal environments.

### **Golder Associates – Melbourne 2011-2014**

Ports, Coasts and Marine Group Manager, Australia (2011 to 2014)

Adam helped to grow the Ports, Coasts and Marine business at Golder Associates. The work concentrated on the provision of professional services in the areas of port and harbour development, water and wastewater management, subsea cable installation, offshore oil and gas and coal seam gas exploration; and dredging and land reclamation. Professional services included sediment geochemistry and water quality studies, marine ecology, hydrodynamics and coastal processes, dredge plume modelling and surveillance, bathymetric surveys, habitat mapping, ocean outfall and biofouling studies and ecological risk assessment.

### **Worley Parsons – Melbourne**

Customer Sector Group Manager, Coastal and Marine, Southern Region (2008 to 2011)

Adam was the I&E Customer Sector Group Manager, Coastal and Marine Environment for Southern Australia. This role entailed helping to grow the maritime civil, coastal engineering and marine science areas at WorleyParsons. Adam was also the acting Environment and Geosciences Manager, Southern Region and Team Leader, for Coastal and Marine, Southern Region.

### **Sinclair Knight Merz – Melbourne/Brisbane**

Senior Ecologist (2000 to 2008)

Whilst working at SKM, Adam was a Senior Marine Ecologist and Technical Discipline Leader for sediment and water quality investigations. Throughout this time, Adam project managed, project directed and technically peer reviewed a number of marine environmental investigations throughout Australia and overseas.

### **RMIT University – Melbourne**

Doctor of Philosophy (1997 to 2000)

Tasks included Ecotoxicology Laboratory Studies with Bass Strait Crude Oil and Corexit 9527 Dispersants at the Queenscliff Marine Station 1997-2000; Implementation of aquaculture practices, including the rearing of Australian Bass in aquaria via flow through seawater; Acute and sublethal toxicity investigations on the Australian Bass, *Macquaria novemaculeata*, following exposure to Strait Crude Oil, dispersed Crude Oil and Burnt Crude Oil, 1996.

### **Victoria University of Technology – Melbourne**

Lecturer (1996)

Lectured the “Evolutionary Basis of Ecology” and tutored the subject “Environmental Science”. Co-

ordinated field trips and demonstrated lab classes.

**Axis Environmental Consultants (Hyder Pty Ltd) – Melbourne**

Marine Scientist (1995)

Adam was a team member of the environment group and undertook marine and freshwater aquatic impact assessment, designed and conducted environmental impact assessments, including assessments of contaminated land and groundwater investigations and prepared and implemented the water quality guidelines for various industries, including ANZECC, Canadian and USEPA water quality guidelines.

**Queensland University of Technology – Brisbane**

Marine Scientist, Casual (1992 to 1993)

During my undergraduate degree, I was a casual employee for the Boyne Aluminium Smelter Project in Gladstone, Queensland, which involved assisting with undertaking fluoride studies of oyster populations, monitoring atmospheric fluoride emissions, estuarine fish population studies and mangrove habitat assessment.

**Project Experience**

Principle Marine, Dredge Feasibility Study, Dredge Management Plan (Capital Works) and Work Methods Statements, Lucky Bay Maintenance and Capital Dredging, T-Ports, South Australia, 2019;

Principle Marine, Benthic Infauna Survey, Sediment Sampling and Analysis Plan Implementation Report, Dredge Environmental Management Plan and Environment Authority Amendment, Sanctuary Cove Marina, Mulpha Sanctuary Cove, 2019;

Principle Marine, Plume Water Quality Monitoring, Skardon River Bed Levelling Works, Metro Mining, 2019;

Principle Marine, Canaipa Passage Maintenance Dredging Sediment Sampling & Analysis Implementation, Gold Coast Waterways Authority, 2019;

Principle Marine, Dredge Technical Consulting Services, Port of Portland, 2019

Principle Marine, Sediment Sampling and Analysis Plan and Seagrass Surveys for the Main Channel (North and South), West Crab Island Channel and South Wave Break Island Channel and South Channel Dredging Projects, Gold Coast Waterways Authority, 2019;

Principle Marine, Sediment Sampling and Analysis Plans, Port Franklin and Port Welshpool, Gippsland Port Authority, 2019.

Principal Marine, Apollo Bay Harbour Marina Sediment Sampling and Analysis Plan, Colac Otway Shire Council, 2018;

Principal Marine, Apollo Bay Harbour Beach Sediment Sampling and Analysis Plan, DELWP, 2018;

Project Director, Preliminary Environmental Impact Assessment – Tweed & Rous Rivers, Mount Warning Tours, 2018;

Project Director, Labrador Channel & North Channel Maintenance Dredging Sediment Sampling & Analysis Plan, Gold Coast Waterways Authority, 2018;

Project Manager/ Dredge Superintendent, Gateway Marina Dredging Works, BH Developments Pty Ltd, 2018;

Project Director, Humpback Whale Migration Impact Assessment – Gold Coast, City of Gold Coast, 2017;

Principal Marine, Marley Point Sediment Sampling and Analysis Plan, Supplementary Investigation, Gippsland Ports, 2017;

Project Manager, Metocean (current) data collection, SLAMI Project, Darwin, SMEC, 2017;

Project Director, Water Quality Monitoring, Northern Beaches and Palm Beach Shoreline Projects – Dredging and Beach Nourishment, City of Gold Coast Council, 2017;

Project Director, Skardon River Bed Levelling Plume Monitoring, Metro Mining Ltd, 2017;

Project Director, Bundaberg Trawler & Marina Complex Maintenance Dredging Sap Implementation Report, Gladstone Ports Corporation, 2017;

Project Director, Implementation Report Sediment Analysis Plan for The Port Of Gladstone Maintenance Dredging 2017, Gladstone Ports Corporation, 2017;

Principal Marine, Gateway Marina, Dredge Management Plan, TPK Investments Pty Ltd, 2017;

Project Manager, Diver Debris Clearance and Reconstruction of Twofold Bay Woodchip Mill Wharf, Allied Natural Wood Exports, 2016/2017;

Project Manager, Seagrass and Benthic Habitat Assessment, Biggera Creek, Gold Coast Waterways Authority, 2016;

Project Director, Northern Beaches and Palm Beach Geotechnical and Geophysical Investigation, City of Gold Coast Council, 2016;

Project Manager, Metocean (current) data collection and Hydrodynamic Model - Frances Bay, Tasmanian Seafood's, 2016;

Project Manager, Multiuser Barge Ramp Facility Diver Screeding and Ramp Design and Construction, Ostojic Group Pty Ltd, 2016;

Principal Marine, Maintenance Dredging Strategy for The Great Barrier Marine Park World Heritage Area, Transport Main Roads, QLD, 2015.

Principal Marine, West Bay Dredging Feasibility Study and Marine Ecology and Sediment Investigations, Mungalalu Truscott Airbase, Darwin, NT, 2015.

Principal Marine. Darwin Wharf Bathymetry Survey, Concept and Detailed Design, Shorelands, East Arm Wharf, NT, 2015.

Principal Marine, Francis Bay Geotechnical Investigation, Francis Bay, Darwin, NT, Tasmanian Seafoods, NT, 2015.

Principal Marine, Sediment Sampling and Analysis, Bemm River, Gippsland Ports, Victoria, 2015.

Principal Marine, Eden Geotechnical, Geophysical and Environmental Studies, Eden Breakwater Wharf Extension, Crown Lands, Eden, NSW, 2014-2015.

Principal Marine, Eden Review of Environmental Factors, EPBC Referral, Sea Dumping Permit and Dredge Permit Applications, Crown Lands, Eden, NSW, 2015

Principal Marine, Eden Sediment Sampling and Analysis Plan and Implementation Report, Crown Lands, New South Wales, 2015.

Principal Marine, Barangaroo Expert Witness Statement, Barangaroo Development Authority, NSW, 2015

Principal Marine, 1770 Marina Construction and Dredge Management Plan, 1770, QLD, 2015

Principal Marine, Water Quality Monitoring for Maintenance Dredging, Mermaid Supply Base, Dampier, WA, 2015.

Principal Marine, Anketell Point Construction and Environmental Management Plan, Pilbara, WA, 2015

Principal Marine, Port of Bundaberg Sediment Sampling and Analysis Plan and Offshore Infauna and Seagrass Surveys, Gladstone Port Corporation, QLD, 2014-2015.

Principal Marine, Implementation of SAP for Maintenance Dredging of Gladstone Marina & Auckland Inlet, Gladstone Port Corporation, Queensland, 2015.

- Principal Marine, Clarence River Review of Environmental Factors, Iluka and Yamba Harbours, Crown Lands, New South Wales, 2015.
- Principal Marine, Sediment Sampling and Analysis Plan Implementation Report, Maintenance Dredging, Port of Bundaberg, Gladstone Ports Corporation, 2014.
- Principal Marine, Sediment Sampling and Analysis, Maintenance Dredging, Gippsland Lakes, Gippsland Ports, Victoria, 2014.
- Principal Marine, Lewis Channel Seagrass Study, Gippsland Ports, Victoria, 2014.
- Principal Marine, Preliminary Feasibility Study, West Bay Barge Landing, Mungalu Truscott Airbase, Darwin, NT, 2014.
- Principal Marine, Preliminary Feasibility Study, Outer Harbour, Dredge Material Reclamation Study, Flinders Ports, SA, 2014;
- Principal Marine and Dive Officer, Marine Ecology Studies, Isabel B ESIA, Sumitomo Metals Mining, Solomon Islands, 2013;
- Principal Marine and Dive Officer, Marine Ecology and Bioaccumulation Studies, John Brewer Reef, Great Barrier Reef, Client confidential, Queensland, 2013;
- Principal Marine, Preliminary Options Assessment of a Seawall Structure, Sebuken Western Leases Project, Indonesia, 2013;
- Principal Marine and Dive Officer, Sediment Sampling and Analysis, Port River, Flinders Ports, South Australia 2013;
- Principal Reviewer, Sediment Sampling and Analysis Plan, Port of Mackay, North Queensland Bulk Ports, Queensland, 2013;
- Principal Marine, Baseline Water Quality, CTD Fixed Site Instrumentation and Baited Remote Underwater Video Studies, Port Spencer Stage 2, Eyre Iron, South Australia, 2013;
- Principal Marine, Marine Review and Gap Analysis, Chevron Thevenard Island Retirement Project, Chevron Australia Pty Ltd, Western Australia, 2013;
- Peer Review, Port Hedland Outer Harbour Sediment Sampling and Analysis Plan (SAP), Department of Sustainability, Environment, Water, Population and Communities (DSEWPC), 2012.
- Principal Marine, Marine Ecology, Sediment and Benthic Infauna, Metocean, hydrodynamic modelling and water quality surveys for Port Spencer, Centrex Metals, SA, 2012;
- Principal Reviewer, Paisley Challis Wetlands and Port Phillip Bay Water Quality Monitoring Program, Mobil Refining Australia Pty Ltd, Victoria, 2012;
- Co-author, Gap Analysis, BHPBio Inner Harbour Marine Monitoring, BHP Billiton Iron Ore, Western Australia, 2012;
- Principal Reviewer, Proposed Stormwater System Discharge Monitoring, Mobil Refining Australia Pty Ltd, Victoria, 2012;
- Principal Reviewer, Sediment Sampling and Analysis Plan, Arrow Energy, Gladstone, Queensland, 2012;
- Team Member, Marine Biosecurity Survey of Darwin Harbour, Ichthys Project, Cardno Ecology Lab, Darwin, NT, 2012;
- Principal Marine, Preliminary Options Assessment and Marine Contaminant Risk Assessment, Champions Road, ExxonMobil, Victoria, 2011-2013;
- Principal Marine, Marine Ecology, Water Quality, Metocean and Ecological Risk Assessment, Desalination Plant, Spencer Gulf, SA, 2011-2013;
- Team Member, Intertidal Marine Ecology and Impact Studies for Gulf of St Vincent, confidential, 2011;

Principal Marine Technical Lead, Metocean, Sediment Surveys, Hydrographic and Geophysics Surveys, Offshore Investigations, Guinea, Rio Tinto Iron Ore, West Africa, 2011-2012;

Peer Review, Abbot Point Queensland Terminal 2 and 3, Capital Dredging Sediment Sampling and Analysis Plan (SAP), Department of Sustainability, Environment, Water, Population and Communities (DSEWPC), 2011.

Principal Author, Biofouling and Marine Ecology Impact Studies, Bovis Lend Lease, Darling Harbour, NSW, 2011;

Principal Author, Barangaroo Stage 1, Review of Wastewater Treatment Plant Discharge Criteria, Bovis Lend Lease, Darling Harbour, NSW, 2011;

Commercial Diver and Peer Reviewer, Toxicity Assessment of Dredged Sediments, Victorian Regional Channels Authority, 2011;

Commercial Diver, Corio Bay Safety Adjustment Program, Sampling and Analysis Plan, Victorian Regional Channels Authority, 2011;

Technical Advisor, Mangrove Survey, Port Hedland Port Authority, 2011;

Commercial Diver and Co-Author, Boulder Bay and Burwood Beach Ocean Outfalls - Marine Environmental Assessment Program, Hunter Water, 2011;

Commercial Diver and Co-Author, Ex-HMAS Adelaide Artificial Reef  
Reef Community Baseline Surveys, Land and Property Management Authority, 2011;

Principal Author, Commissioning and Operational Brine and Seawater Monitoring Plan, Victorian Desalination Project, Thiess Degrémont Joint Venture, 2011;

Co-Author, Diffuser Performance Monitoring Physicochemical Baseline Monitoring. Southern Seawater Desalination Project. Southern Seawater Alliance, Perth, 2011;

Co-Author, Diffuser Performance Monitoring, Chemical Discharge Baseline Monitoring. Southern Seawater Desalination Project. Southern Seawater Alliance, Perth, 2011;

Co-Author, Barangaroo Heat Exchange System, Biofouling Investigation Desktop Study, Bovis Lend Lease, Darling Harbour, NSW, 2011;

Peer Reviewer, Barangaroo Baseline Water Quality Monitoring Report and Water Quality Monitoring Program, Bovis Lend Lease, Darling Harbour, NSW, 2011;

Offshore Artificial Reef Structure Feasibility Study, South Head, NSW Department of Industry and Investment, NSW, 2011;

Peer Reviewer, Marine Ecology & Habitat Survey, 17a Holbrook Ave, Kirribilli. Mr Tony Cheney, 2010;

Peer Review, Marine Habitat Survey & Estuarine Risk Management Report, 40 Hudson Pde Clareville. NSW, 2010;

Peer Review, Ichthys Draft Environmental Impact Statement and Draft EIS Technical Appendices. INPEX's Ichthys Gas Field Development Project, DEWHA, 2010;

Peer Review, Diffuser Performance Monitoring, Physicochemical and Chemical Baseline Monitoring, Southern Seawater Desal. Project, Binningup, W.A, Southern Seawater Alliance, 2010;

Peer Review, Comparison of Imposex in Thaid Snails - 24 Month Post-Disposal Survey, Dredging Programme for the Cape Lambert Port Upgrade - 85 Mtpa, DEWHA, 2010;

Peer Review, Dredging and Spoil Disposal Management Plan, Environmental Management Plan, Dredging Programme for the Cape Lambert Port Upgrade - 85 Mtpa, DEWHA, 2010;

Peer Reviewer, Marine Environmental Baseline Field Survey, Al Seeb Sea Outfall, Muscat, 2010;

Principal Author, Chronic Toxicity Study of Synthetic Based Muds, Esso Australia, 2010;

Peer Review, Museum of Contemporary Art, Redevelopment Seawater Heat Exchange Preliminary, Marine Risk Assessment, Root Projects Australia, 2010;

Principal Author, Supplementary Environmental Impact Statement Marine Ecology – Upstream, Australia Pacific LNG Project, 2010;

Principal Author, LNG Facility Marine Ecology Report, Supplementary Environmental Impact Statement, Australia Pacific LNG Project, 2010;

Peer Reviewer, Riser Installation Environmental Assessment, Victorian Desalination Project, Thies Degrémont Joint Venture, 2010;

Commercial Diver and Co-Author, Marine Ecology Impact Assessment, Barangaroo Concept Plan, Lend Lease Design, 2010;

Team Leader, Marine Environment Baseline Surveys, Tagrin and Pepel Ports, African Minerals, Sierra Leone, 2010;

Principal Marine Scientist, Marine Assessment of Diffuser Performance for Produced Formation Water Discharge, Qatar Petroleum, Qatar, 2009/2010;

Principal Marine Scientist, Toxicity Management Plan, Reverse Osmosis Concentrate Discharge, Gibson Island Alliance, Qld, 2009/2010;

Principal Author, Marine Contaminant Risk Assessment, BTEX and Packer Fluid Discharges, Yolla Platform, Origin Energy, Bass Strait, Vic, 2009;

Team Member, Benthic Habitat Mapping, Gabon, GEMS Group, Africa, 2009;

Principal Author, Marine Contaminant Risk Assessment, Brine Ocean Outfall, Australian Pacific LNG, Gladstone, Qld, 2009;

Principal Author, Marine Impact Assessment, Reverse Osmosis, Stormwater and Wastewater Discharges, Australia Pacific LNG Facility, Gladstone, Qld, 2009;

Principal Author, Cooling Water Marine Impact Assessment, Gladstone LNG Project, Gladstone LNG Pty Ltd, 2009;

Team Member, Wadi Sawawin ESHIA, Proposed (Iron Ore) Port and Desalination Facilities at Wadi Sawawin, Red Sea, for London Mining, Saudi Arabia, 2009;

Principal Author, Report for Western Basin Dredging and Disposal Project, Environmental Impact Statement Addendum, Gladstone Ports Corporation, Qld, 2009;

Peer Reviewer, Australia Pacific LNG - Dredge Area Option 1B, Sediment Characterisation Study, Australian Pacific LNG, Gladstone, Qld, 2009;

Commercial Diver, Point Piper Seawall Survey, Private Client, NSW, 2009;

Commercial Diver and Marine Scientist, Marine Survey, Woolwich Marina, NSW, 2009;

Co-Author, Toxicity Management Plan, Advanced Water Treatment Plan, Gibson Island, Gibson Island AWTP Alliance, Brisbane, Qld, 2009;

Principal Marine Scientist and Technical Reviewer, Marine Baseline Studies and EMPs for the Southern Desalination Plant, Perth, Western Australia, 2009;

Principal Author, Marine Contaminant Risk Assessments for Concentrated Brine and Disinfectant Waters, Southern Desalination Plant, Perth, Western Australia, 2009;

Peer Reviewer, Diffuser Performance Monitoring Program, Southern Desalination Plant, Perth, Western Australia, 2009;

Peer Reviewer, Marine Environmental Monitoring Program, Southern Desalination Plant, Perth, Western

Australia, 2009;

Peer Reviewer, Whole Effluent Toxicity Monitoring Program, Southern Desalination Plant, Perth, Western Australia, 2009;

Commercial Diver, Marine Survey, Martha Cove Ecological Survey, Martha Cove Management Services, Vic, 2009;

Team Member, Marine Baseline Study, Sinking of ex-HMAS Adelaide, Terrigal, NSW;

Lead Marine Scientist, Offshore Islands Feasibility Study, Abu Dhabi Marine Operating Company (ADMA-OPCO), Abu Dhabi, 2009;

Co-author, Supplementary Environmental Impact Assessment, Port at Claxton Bay Nth, National Energy Company Ltd Trinidad, 2008;

Commercial Diver, Seagrass and Benthic Infauna Surveys, Bundaberg Ports Corporation, Qld, 2008;

Contributing Author, Matters of National Environmental Significance Paper, Shoalwater Bay, Warratah Coal, Qld, 2008.

Co-Author, Long Term Monitoring and Management Program, ex-HMAS Adelaide, Department of Lands, NSW, 2008.

Co-Author, Cairns Port 2008 Annual Sampling and Analysis Plan – Supplementary Report. Cairns Ports Limited, Qld, 2008.

Technical Reviewer, Sediment Sampling and Analysis Program, RGP6 Port Facilities, BHP Billiton Iron Ore, 2008;

Technical Reviewer, Aquatic Ecology and Water Quality Studies, Nudgee Interchange Package (NIP), Main Roads, 2008;

Technical Reviewer, Sediment Sampling and Analysis Program, Dampier Maintenance Dredging, Pilbara Iron Pty Ltd, 2008;

Project Manager, Sediment Sampling and Analysis Program, Gladstone Ports Corporation, 2008;

Project Manager, Sediment Investigation, Pilot Study, Port of Brisbane Corporation, 2008;

Project Manager, Wreck Stability Assessment, HMAS Brisbane, QPWS, 2008;

Project Manager, Microbiological Investigations, Manly, Scarborough and Cabbage Tree Creek Marina's, Port of Brisbane Corporation, 2008;

Environmental Co-ordinator, Baseline Marine Ecology and Water Quality Monitoring Program, Gold Coast Desalination Project, GCD Alliance, 2007-2008;

Co-author, Water Quality Management Plan and Diffuser Performance Management Plan, Gold Coast Desalination Project, GCD Alliance, 2008;

Team Member and Co-Author, Local Waterway Health Assessment, Brisbane River Creek Catchments, Brisbane City Council, 2007-2008;

Technical Reviewer, Water Quality and Ecological Surveys, Baseline and Construction Monitoring, Hinze Dam Stage 3, Gold Coast City Council, 2007-2008;

Commercial Diver, Sub-tidal Reef Reconnaissance Surveys, Project Quantum, Port Hedland, BHP, 2008;

Commercial Diver, Sediment and Benthic Habitat Study, RGP5, BHP, Port Headland, W.A, 2008;

Critical Peer Reviewer, Pluto Channel Crossing and Spoil Grounds, Sediment Sampling and Analysis Plans, Woodside Petroleum, 2008;

Critical Peer Reviewer, Pluto Supply Base, Sediment Sampling and Analysis Plans, Woodside Petroleum, 2008;

Environmental Co-ordinator, Estuarine Fish Surveys, Warrell Creek to Urunga Pacific Highway Project, RTA, 2007-2008;

Environmental Co-ordinator, Baseline Towed Video, Water Quality and Sediment Surveys, Multi-Model Transport Corridor, Main Roads, 2008;

Team Member, Environmental Investigation, Port of Lae, PNG, Asia Development Bank, 2007;

Principal Author, Sampling and Analysis Plan, Pluto Supply Base, Woodside Petroleum, 2007;

Environmental Co-ordinator, Water Quality Technical Report, Environmental Impact Assessment, Hinze Dam Stage 3, Gold Coast City Council, 2007;

Environmental Co-ordinator, Water Quality Technical Report, Environmental Impact Assessment, Emu Swamp, Stanthorpe Shire Council, 2007;

Project Manager, Port of Brisbane Sampling and Analysis Plan, Port of Brisbane Corporation, 2007;

Project Manager, Sediment Contaminant Investigation, Viking Industries, 2007;

Critical Reviewer, Cairns Port Authority, Sampling and Analysis Plan, 2007;

Project Manager, Seagrass and Macroalgal Shading Study, Port of Melbourne Corporation, 2006;

Project Manager, Seagrass, macroalgae and microphytobenthos shading experiments literature review, Port of Melbourne Corporation, 2006;

Co-author, Head Technical Report – Water Quality, Channel Deepening SEES, Port of Melbourne Corporation, 2006;

Commercial Diver and team member, Marine Survey of Decommissioned Ocean Outfall, Bluescope Steel, Port Kembla, 2006;

Critical Reviewer, Sediment Assessment and ASSMP for Bundaberg Port Authority, 2006;

Project Manager, Lead Monitoring Consultant, Channel Deepening Project Environmental Effects Statement, 2004/ 2005;

Commercial Diver and Author, Marine Study, Proposed Desalination Plant, Fowlers Bay, South Australia, Iluka Mining, 2005;

Commercial Diver and Author, Marine Study, Moa Island, Torres Strait, Island Co-ordinating Council, 2005;

Commercial Diver, Bioaccumulation Study, Hobsons Bay, Port of Melbourne Corporation, 2005;

Marine Ecology Specialist, Environmental Management Plan, Water Purification and Desalination Equipment, Department of Defence, 2005;

Team Member and Peer Reviewer, Environmental Impact Study for Dredging Hans Inlet, HMAS Cerberus, Department of Defence, 2005;

Team Member, Benthic Infauna Study, Port of Melbourne Dredge Material Ground, Port of Melbourne Corporation, 2005;

Team Member, Water Quality Monitoring Program, Hobsons Bay, Port of Melbourne Corporation, 2005;

Peer Reviewer, Marine Study, Sisters Beach Outfall, Tasmania, Waratah Wynyard Council, 2005;

Project Director, Bayles Bridge Water Quality Monitoring Program, VicRoads, 2005;

Team Member, Additional Baseline Water Quality and Sediment Investigation, Bayles Bridge, VicRoads, 2005;

Commercial Diver, Marine Survey, Decommissioned Waste Pipeline, Bluescope Steel, 2005/ 2006;

Co-author, Toxicity Testing Program, Channel Deepening Project, Port of Melbourne Corporation, 2005;

Environmental Co-ordinator of the Phase 3 Environmental Surveys for the Port of Melbourne Corporation,

Channel Deepening Environmental Effects Statement, 2003/2004;

Environmental Co-ordinator for an environmental survey in the vicinity of the Melbourne Water Sewer Main, Yarra Services Investigation, Yarra River, 2004;

Project Director investigating the efficiency of BHP Temco's wetlands in George Town, Tasmania, 2004;

Project Manager of a series of sediment contamination assessments of the Mildura Weir for Goulburn Murray Water, 2003/2004;

Team member undertaking an environmental risk assessment addressing the potential impacts associated with a major spill into Port Curtis, from the Stuart Oil Shale Mine, Gladstone, Queensland for Southern Pacific Petroleum, 2004;

Project Management of an investigation of saltmarsh and seagrass communities present within the vicinity of an ocean outfall in Stanley, Tasmania, for Abalone Aquafarms, 2003/2004;

Project Management of a Feasibility Study investigating revegetation of 1.5 hectares of coastal saltmarsh at either the southern end of Webb Dock West or The Range, Williamstown for Melbourne Port Corporation, 2003;

Project Management of a Preliminary Feasibility Study for revegetation of 1.5 hectares of coastal saltmarsh within the Altona Coastal Park for Melbourne Port Corporation, 2003;

Preparation of a Marine Desktop Study for the proposed Sisters Beach Waste Water Treatment Plant, Sisters Beach, for the Waratah Wynyard Council, Tasmania, 2003;

Environmental Co-ordinator of a marine sediment survey of the Northern Boat Harbour and Approach Channel within the proposed Rippleside Maritime Village, Geelong for James D Ramsey and Associates, 2003;

Environmental Co-ordinator for water quality investigations during the geological, hydrogeological and geotechnical investigations for the Channel Deepening EES, 2003;

Team member undertaking a Marine Desktop Study and Marine Sub-tidal Survey of the King Island Dairy ocean outfall, Tasmania for National Foods, 2003;

Team member, Albert Park Lake Study, assessing the potential ecological impacts associated with filling Albert Park Lake with seawater, for Parks Victoria, 2003;

Project Management of an assessment of road runoff water quality and the potential impacts to intertidal saltmarsh and subtidal seagrass communities, Hobsons Bay City Council, Point Gellibrand, Williamstown, 2002;

Co-ordinator of Environmental Surveys of the Port of Melbourne and Port of Geelong for the Victorian Channels Authority 2002 Maintenance Dredging Campaign;

Environmental Co-ordinator for surveys of the eastern entrance of South Channel and Port of Melbourne Beacons 1 to 6 for the Victorian Channels Authority 2002 Maintenance Dredging Campaign;

Preparation of a Sampling and Analysis Plan (SAP) and application for Coastal Management Act Consent for the Victorian Channels Authority 2002 Maintenance Dredging Campaign;

Preparation of a Marine Desktop Study for the proposed Boat Harbour Waste Water Treatment Plant, Boat Harbour, for the Waratah Wynyard Council, Tasmania in 2002;

Team member assisting with a desktop review of the potential marine ecological impacts of diverting freshwater from Eight Mile Creek, South Australia for S.A Government, 2002;

Team member assisting with derivation of water quality guidelines for investigating the impacts of a Textiles Dyeworks for Gibbs Burge Pty Ltd, Richmond, Victoria, 2001;

Peer Reviewer, Noosa Waste Water Treatment Plant Environmental Evaluation, 2001;

Effluent Reuse Study for the Samut Prakarn WWT, Thailand, Thailand Government Project, 2000;  
Peer Reviewer for a groundwater and surface water investigation of the Shepparton Land Fill, Victoria for Goulburn Murray Water, 2000; and  
Peer Reviewer for a groundwater assessment for IXL Henry Jones Foods, 2000.

#### Training

Dan Oxygen Resuscitation Course (annual)  
Senior First Aid (Level 2) (three yearly)  
Commercial Diver Level 1, AS2299 2005  
Websters Driver Training, Four Wheel Drive Awareness Program, 2003  
Quality Assurance Services. Understanding the ISO9000:2000 Standards, 2001.  
Quality Assurance Services, Internal Auditor Training, 2001.  
Health and Safety Training. 40-Hour Initial H&S Training. URS, 2001.  
Workplace Health and Safety. 35-hours Training. University of Ballarat. Viosh Australia, 2004.

#### Professional Affiliations

Society of Environmental Chemistry and Toxicology  
Australian Marine Science Affiliation

#### Publications

Cohen A. M., Gagnon, M. M. and Holdway D. A. (1997). Toxicodynamics of oil derived products in an Australian coastal food chain. Oral presentation. Proc. of the International Symposium on Environmental Chemistry and Toxicology, Queensland, Australia 17-19th July, 1997.

Cohen A. M., Nuggeoda D., Gagnon M. M. and Holdway D. A. (1999). Respiratory enzymes as biochemical indicators in oil spill research. Oral Presentation. Proc. of the International Symposium on Environmental Chemistry and Toxicology, Melbourne, Australia 7-10th July, 1999.

Cohen, A.M., Nuggeoda, D., & Gagnon, M.M. (2000). The Toxicity of Three Oil Spill Remediation Techniques to the Australian Bass, *Macquaria novemaculeata*. Poster Presentation. Third SETAC World Congress, Brighton, United Kingdom. 21-25 May 2000.

Cohen, A.M., Nuggeoda, D., & Gagnon, M.M. (2000). The Effect of Different Oil Spill Remediation Techniques on Petroleum Hydrocarbon Elimination in Australian Bass (*Macquaria novemaculeata*). Poster Presentation. Third SETAC World Congress, Brighton, United Kingdom. 21-25 May 2000.

Cohen A. M., Gagnon M.M. and Nuggeoda D. (2001). Aerobic and Anaerobic metabolic enzymes in Australian Bass, *Macquaria novemaculeata*, following exposure to selected oil spill remediation techniques. Poster Presentation International Symposium on Environmental Chemistry and Toxicology, Canberra, Australia 2001.

Cohen, A.M., and Nuggeoda, D., (2001). Alteration in hepatic MFO enzyme activity in Australian bass, *Macquaria novemaculeata*, following exposure to various oil spill remediation techniques. Poster Presentation. Eleventh annual meeting of SETAC Europe, Madrid. 2001; and

Cohen, A.M., Morrison., P. F., Blockwell, S. (2004). Characterisation of sediments in the Yarra River and Port Phillip Bay as part of the Channel Deepening Environmental Effects Statement. Ninth annual meeting of the Australian Society of Ecotoxicology.

#### Journal Publications

- Cohen, A.M., and Nugegoda, D. (2000). The Toxicity of Three Oil Spill Remediation Techniques to the Australian Bass, *Macquaria novemaculeata*. *Ecotoxicol. Environ. Safety*. 47(2), 178-185.
- Cohen, A.M., Nugegoda, D., and Gagnon, M.M. (2001). The Effect of Different Oil Spill Remediation Techniques on Petroleum Hydrocarbon Elimination in Australian Bass (*Macquaria novemaculeata*). *Arch Environ Contam Toxicol*.40, 264-270.
- Cohen, A.M., Nugegoda, D., and Gagnon, M.M. (2001). Metabolic Responses of Fish Following Exposure to Two Different Oil Spill Remediation Techniques. *Ecotoxicol. Environ. Safety*. 48(3), 306-310.
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