

**South African Hake Trawl Fishery
MSC Certification
Certification Body: Moody Marine Ltd**

Nominations for Assessment Team membership

Moody marine is currently undertaking the main assessment of the above fishery against the Marine Stewardship Council Principles and Criteria for Sustainable Fishing. To assist in this assessment, we are looking to appoint a team of expert advisors with collective knowledge of the stock evaluation, ecosystem impacts and management framework applicable to this fishery.

The persons proposed as potential team members of this fishery assessment are set out below in alphabetical order, together with a brief resume of their background. Potential team members have been selected on the basis of their experience of fishery management, stock assessment and/or ecosystem interactions. The final team will comprise two or three expert advisors from the following list. The Lead Assessor from Moody Marine will be Dr Andrew Hough.

All stakeholders are now invited to state any objections or other comments on the suitability or otherwise of any of the nominees. We would however, ask for any comments by the 21 October 2002 prior to continuing the assessment process. These should be sent to Andrew Hough at:

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Nominees for team membership (in alphabetical order):

Ms Catherine Dichmont. Ms Dichmont currently works for CSIRO where she is involved in Commonwealth managed fisheries within the area and those that are shared with other countries. Her main work profile is in the Northern Prawn Fishery.

She has stock assessment and modelling experience of more than 10 years in South Africa, Indonesia and Australia and has worked extensively with industry, managers and other stakeholders to identify essential research needs, which have often resulted in funding for research projects and set new strategic directions for research. Her experience includes trawling (both fish, scallops and prawn), gillnetting, line fishing, abalone diving and spanner crab trap fishery. She has assisted in developing Australia's Strategic Assessment (a system very similar in intention to the MSC process) for the Queensland Spanner Crab fishery (which passed) and The Northern Prawn Fishery. Many of the issues in the hake studies would be similar to that in the Northern Prawn Fishery. She also has a background in ecosystem assessment.

Despite previous association with the South African Sea Fisheries Research Institute (where she was a member of the then Demersal Working Group), Ms Dichmont has not had direct contact with South African fisheries since 1996.

Dr. Trevor Hutton. Dr Hutton is currently based at the Centre for Environment Fisheries and Aquaculture Science (CEFAS), UK. He is employed in the Methods and Multi-Species Modelling Team and has been an invited expert to the EU Commission's Scientific, Technical and Economic Committee for Fisheries in 2001 for the Sub-group on Balance between Resources and their

Exploitation. He has also participated in the North Sea Commission: Fisheries Partnership Initiative and is a member of the European Association of Fisheries Economists.

Dr Hutton has 12 years experience of marine fisheries research and applied fisheries management. He has an in-depth knowledge of stock assessment procedures, operational aspects of fisheries economics (specifically bio-economic interactions), and fisheries management policy related issues. He has taken part in two projects focusing on the South African Deep Sea Hake Fishery, the latest taking place in 1999 and involving an interdisciplinary study (including biological, economic, social factors and institutional structures) for the Institute for Fisheries Management, Denmark (a DANIDA Funded project). The study, for which Dr Hutton served as team leader, was based on a qualitative-based neo-institutional economic framework that considered the sustainability of the stock, the economic viability of the fishery and the social and political aspects affecting the management of the fishery. It summarised the institutional structures in place in order to manage the stocks according to operational management plans (biological criteria) based on stock assessment procedures, and facilitated stakeholder participation in the fishery.

Dr. D. W. Japp. Dr Japp is Director of a neutral and independent service organization, working for all sectors of the fishing industry including the state authority (M&CM), the fishing industry, international organizations and numerous other groups.

He was previously employed at the Sea Fisheries Research Institute from 1988 to 1997 as a biologist and manager and at the time he left this institution was head of the offshore resources section (demersal and pelagic stocks). His role at SFRI (now *Marine and Coastal Management, MCM*) was primarily management, biology and resource assessment and he was responsible for the submission of management advice on hake and other stocks. He was also responsible for, planned and led, many demersal hake-directed biomass surveys in the period employed at SFRI. Dr Japp has retained an intimate knowledge of all aspects of the hake fishery including the trawling methods, areas fished, all companies and groups with hake rights, processing and marketing, resource assessment methods and also monitoring and control of the trawl and other hake sectors. He has a total of 15 years experience in the South African hake fishery.

Dr Japp has not worked directly for MCM or the South African Deep Sea Trawling Industry Association (SADSTIA) in any capacity for over 12 months.

Dr. Astrid Jarre. Dr Jarre is currently a senior scientist at the Greenland Institute for Fisheries Research. Here she involved with research on ecosystem-based management of fisheries in West Greenland waters.

She is a fisheries ecologist specialising in ecosystem-based fisheries management with experience in the development of ecosystem indicators for fisheries management, statistical data analysis and non-linear modelling and modelling of trophic flows in aquatic ecosystems. Her previous experience includes participation in a BENEFIT/FAO/Namibia/South Africa study on trophic interactions in the Northern Benguela ecosystem and their implication for multi-species management of fisheries. This took place between 1999-2001.

Dr Carola Kirchner. Dr Kirchner is a Principal fish stock assessment scientist at the Ministry of Fisheries and Marine Resources in Namibia. Here she is responsible for linefish research, orange roughy research and stock assessments and recommendations on the sustainable utilisation of all commercially exploited species

She has been involved with marine research for 9 years and stock assessment and management recommendations for 5-6 years, is familiar with ecosystem impacts of fishing and has a good appreciation of the management procedures that govern the hake fisheries in southern Africa.

Mr Graeme Macfadyen. Graeme Macfadyen is a Director of Poseidon Aquatic Resource Management Ltd, an independent UK-based fisheries and environmental research and consultancy company. He has more than ten years of consulting experience in fisheries management, policy and economics, and has worked in more than 15 countries around the world, including six countries in West and Southern Africa.

From September 1995 to December 1996 he worked for the Secretariat of the South-African Deep-Sea Trawling Industry Association, providing input into the fisheries policy formulation process, and conducting research on behalf of the industry. This involvement provides an understanding of the industry, management practices, stock assessment procedures, sustainability and eco-system issues, and the industry personalities and scientists involved. He has also worked on a number of projects for the MSC in recent years, for example to consider the feasibility of the MSC engaging in certification of aquaculture.

Dr. Andrew Payne. Dr Payne is currently employed as Science Area Head: Fisheries Management at CEFAS, UK. Previously (to 2000) he was Director of offshore research at the Sea Fisheries Research Institute in South Africa (now Marine & Coastal Management). His experience included work mainly on demersal fish, with the focus on hake, involving monitoring, fishery-independent surveying, assessment and advice.

In previous positions, he interacted formally with SADSTIA, and regularly attended briefing meetings on the hake fishery with the Association and presented scientific advice on assessment and management to the Minister's advisory body, the Consultative Advisory Forum. From 1982 to 1989, he also attended the International Commission for the SE Atlantic Fisheries as representative of South Africa, and for several years was chairman of that organisation's Standing Committee on Stock Assessment. Dr Payne has published extensively on hake in both the peer-reviewed literature and grey literature, but specifically was the first author of the chapter on South African hake in Pitcher and Alheit's authoritative published volume on the world's hake stocks.

Dr Payne is fully conversant with the management regime and is knowledgeable about the interactions of the fishery with the ecosystem in which it operates.

Dr. Geoff Tingley. Dr Tingley is a British Fisheries Scientist with fifteen years experience working in stock assessment and management of marine and freshwater fisheries with six years working at CEFAS in a number of fisheries, managerial and business development roles. His experience includes the scientific, management, licensing and policy issues of the fisheries around the Falkland Islands, seven years as the Team Leader of the group providing scientific and management advice to the Director of Fisheries and the Falkland Islands Government including the management of a trawl fishery for hake.

He was a member of the UK Delegation on the South Atlantic Fisheries Commission (and its predecessors) from its inception in 1989 to 1996, including membership of the scientific sub-committee. During this time Dr. Tingley worked on two species of hake, *Merluccius australis* (*polylepis*) and *M. hubbsi* that occur in the South West Atlantic and are exploited around the Falkland Islands, off Argentina, and a number of other countries. Considerable scientific effort was expended to manage the fisheries for these species around the Falkland Islands. Dr. Tingley was first author of the chapter on biology and fisheries of the Falkland hake in Alheit & Pitcher's edited book on Hake: Fisheries, ecology and markets (1995). Dr. Tingley has worked in South Africa briefly as part of a World Bank Project on fisheries policy development for Angola in the mid-1990's and was invited to attend the 2000 BENEFIT meeting in Namibia.