

Curriculum Vitae: David William Japp

Updated: 31 January 2017

1. Family Name : Japp
2. First name : David William
Civil Status : Single
3. Date and Place of birth : Kabwe, Zambia 30th June 1956
4. Nationality : South African
5. Residence (street) : 551 Bontebok Street, Scarborough, Cape Town
(Postal) : P.O. Box 22717, Scarborough, Cape Town 7975

- Telephone / Fax : +27 (21) 7801101
Mobile : +27 (82) 788 6737

- Businesses and Address : Capricorn Fisheries Monitoring cc (CapFish)
Unit 15 Foregate Square, Table Bay Boulevard, Cape
Town, South Africa
Postal : P.O. Box 50035, Waterfront, Cape Town 8002
Tel. +27 (21) 425 2161 Fax: +27 (21) 425 1994

6. Education:

| Institution (Date from - Date to) | Degree(s) or Diploma(s) obtained: |
|---|---|
| Merchant Navy Academy General Botha, Cape Town (1975 to 1980) | Chief Navigating Officer (Foreign) – July 1980 to 1983 |
| University of Cape Town (undergraduate) 1983 to 1985 | Bachelor of Science (Zoology, Marine Biology and Oceanography) |
| Rhodes University 1986-1986 | Bachelor of Science Honours Ichthyology and Fisheries Science (Cum Laude) |
| Rhodes University 1987 to 1989 and Sea Fisheries Research Institute | Masters Degree in Ichthyology and Fisheries Science (Cum Laude) |

7. Language skills:

| Language | Reading | Speaking | Writing |
|-----------------|----------------|-----------------|----------------|
| English | 5 | 5 | 5 |
| Afrikaans | 3 | 3 | 3 |

8. Membership of Professional Bodies :

SA COUNCIL FOR NATURAL SCIENTIFIC PROFESSIONS (SACNASP)

Reg. No. 400208/12

9. Other:

Computer Literacy: Windows 2000, Microsoft Office (Word, Excel, Access and PowerPoint); MapInfo, Word Perfect, Visio Draw, Corel Draw, Statistica, SAS, Pastel and Quick Books Accounting, Arcview (GIS)

Facilitation: Conflict resolution course completed in 1996.

Resource Economics (2006) : Introductory course completed (Rhodes University MBA)

Business Management : Management of Company and Corporate structures – formed own companies since 1996 (FOSS cc, CapFish cc, CapMarine (SA) Pty Ltd)

Project Development and Appraisal: Various see below

10. **Present Position :** International and Regional Consultant and Director CapFish cc

11. **Years Within the Firm :** 20 years

12. **Key Qualifications :** Masters Degree in Fisheries Science
 Entrepreneur – Company development
 Project Management and Appraisal
 Environmental impact Assessments (marine)
 Marine Stewardship Council (MSC) assessor

13. **Relevant Professional Experience (selected)**

| Date | Location | Company& reference person | Position | Description |
|---|--------------|---|---------------------------|---|
| a) South Africa : Head of Offshore Research - <i>Sea Fisheries Research Institute</i> (SFRI / DAFF) undertook 8 years of direct research and training of sea staff on biomass surveys as Chief Scientist; b) Consultant has worked extensively in the region including South Africa, Mozambique, Angola, Mozambique, Uganda, Namibia, Kenya, Tanzania and West Indian Ocean Fisheries Sectors since 1990; c) Masters degree in Ichthyology and Fisheries Science including aquaculture d) Benguela System : Benguela Current Commission (BCC) Strategic Impact Assessment (SEA) e) World Bank fisheries consultant – development and implementation of fisheries and aquaculture components : 1) MACEMP (Tanzania); 2) KCDP (Kenya) 3) SWIOFP (West Indian Ocean) 4) SWIOFish 1 (Current – WIO countries focus is Tanzania 5) LVEMP 2 (Lake Victoria) f) Environmental Impact Assessment of the Aquaculture Development Zone in Mossel Bay (South Africa) g) Scoping assessment and EIA of the potential for and Aquaculture Development Zone in Saldanha Bay, South Africa (pending) h) Lake Victoria – field trip and overview of the “Source of the Nile” tilapia cage culture including provision of juvenile grow out and adult cage culture (conducted through LVEMP2 and the World Bank with the Lake Victoria Fisheries Organization and NAFIRI) | | | | |
| Regional and International Experience | | | | |
| 1987 to 1996 | South Africa | Sea Fisheries Research Institute and Marine and Coastal Management (Ref. Dr Augustyn) | Head of Offshore Research | Fisheries Research head – <u>Management of Offshore resources</u> including Demersal, Large Pelagic and Small Pelagic resources. Ref. Is Dr J. Augustyn (Depr Agriculture, Forestry and Fisheries, Cape Town. |

| | | | | |
|------------------------|---|---|-------------------------|--|
| | | | | (johann@sadstia.co.za) |
| 1996 to 2016 | Cape Town South Africa | Capricorn Fisheries Monitoring and Fisheries & Oceanographic Support Services | Consultant and Director | Many consulting projects with the FAO, World Bank, Benguela Current LME. Also developed the Regional Observers Programme. Specialization : <u>Fisheries Management and Research</u> ref. Xavier Vincent : xvincent@worldbank.org |
| 2008 - 2009 | Namibia | Benguela Current Commission | Consultant | State of Stock review – Benguela Current Commission. Hashali Hamukuaya (hashali@benguelacc.org) |
| 2009 to 2016 (ongoing) | Mombasa - Kenya) | Development of the Kenya Coastal Development Project (KCDP) – World Bank and FAO | Fisheries Expert | Thus was an ongoing consultancy (5 years) developing the KCDP with the World Bank Team – project participation was on near continuous basis until project effectiveness in June 2011. Portfolio : <u>Fisheries Management, Research and Development</u> : Ref is AG. Glauber – World Bank Office, Dar Es Salaam aglauber@worldbank.org |
| 2007 to 2012 | Tanzania and Zanzibar | Appraisal of the Tanzania <i>Marine and Coastal Environment Project</i> (MACEMP) – World Bank / FAO | Fisheries Expert | Ongoing consultancy every six months to Tanzania – Project appraisal and Mid-Term review. Presently project is winding down and new MACEMP two phase being developed. Portfolio : <u>Fisheries Management, Research and Development</u> : Ref is AG. Glauber – World Bank Office, Dar Es Salaam aglauber@worldbank.org |
| 2005 to 2016 | Kenya, Tanzania, Mozambique and IOC countries | World Bank and FAO – Fisheries Expert Project development and implementation (South West Indian Ocean Fisheries Shared Growth and Governance Project (SWIOFish 1) | Fisheries Expert | Consultancy up to 2015 – fisheries components – development and implementation. Specialization : <u>Fisheries Management and Development</u> . Ref ; AJ Glauber aglauber@worldbank.org |
| 2004 to 2007 | IOTC | IOTC | Fisheries Experts | Provision of trained tuna tagging technicians and Cruise leaders for the IOTC Tuna Tagging programme (Note: this was done through CapFish under contract to MEP). Ref : Gerard Dominique (IOTC) . gerard.domingue@iotc.org |
| 2009 to ongoing | IOTC | IOTC | Fisheries Observers | Provision of Observers for Transshipment vessels (ongoing) Gerard Dominique (IOTC) . gerard.domingue@iotc.org |
| 2004 to 2014 | FAO | FAO – Jessica Sanders / Ross Shotton | Fisheries Expert | Consultancy undertaken for technical works relating to 1. South West Indian Ocean Fisheries 2. Regional (Indian Ocean) fisheries reporting (catches) 3. Observer training (Madagascar) 4. Development of High Sea Guidelines |

| | | | | |
|--------------|----------------------|--|------------------------------|---|
| | | | | (FAO) |
| 2009 to 2016 | FAO and WWF | FAO - and WWF USA | Fisheries Expert | Fishery Improvement Process – fishery pre-assessments for MSC and follow-up. Contract is current. Portfolio : Fisheries Management and Development . Domingos Gove (dgove@wwfesarpo.org) |
| 2013 | Angola Namibia (BCC) | ACP Fish 2 | Fisheries Expert | Development of horse mackerel national plans and transboundary management (BCC) |
| 2004-current | International | MSC Assessments – RSA Hake, Tristan da Cunha lobster, Russian Pollock and numerous pre-assessments and peer rev. | Fisheries expert : P2 and P3 | Full assessments through CABs (Moody, Intertek, MRAG, Tavel, FCI, BV, Acroura) |

Oil and Gas Specific

14. ADDITIONAL INFORMATION

Major Projects - Summary

- Resource Assessment:
- Submission of management advice on hake (TAC assessments from 1989 to 1997);
- Biological assessment of hake species in South African waters and determination of ageing and stock structure;
- Design of hake-directed biomass surveys and cruise leader on up to four demersal surveys a year from 1989 to 1997;
- Demersal Working Group co-ordinator from 1991 to 1997 responsible for the management advice on hake and other demersal species;
- Project management (Scientist responsible) of hake-directed longline experiment in SA from 1992-1996

Aquaculture-Specific

- Post graduate degrees in Fisheries science included both fresh water and marine aquaculture
- East African project undertaken with the World Bank include major fisheries components which incorporate development of aquaculture (fresh and marine)
- Scoping studies and Impact assessments of Aquaculture Development Zones in Mossel Bay (South Africa)
- Scoping studies and EIA of ADZ in Saldanha Bay (this project is not yet activated and is pending subject to tender and financing)
- World Bank Project (LVEMP2) – consultant has been providing specialist fisheries advice to the LVFO including aquaculture field work in the Jinga / Lake Victoria including the use of Mukene as both feed and for human consumption

Fishery Economics and Governance :

- Preparation of sector economic reports for RSA fisheries to assist with rights allocation procedures: Hake Longline, Inshore Trawl (Hake and Sole), Shark longline, South Coast Rock Lobster, Patagonian Toothfish, Deepwater Fishery, Midwater Trawl & Hake Handline
- Economic Assessment of the Wetfish and Freezer Trawl apportionment of Hake in Namibia
- BCLME – Ecosystem Approach to Fisheries – Cost Benefit Analysis (March 2006)
- Review of the West Indian Ocean Tuna Fishery and Potential Opportunities and Options for the Development of the Port of Victoria (Seychelles) – Completed March 2008

- Assessment of economic loss due to hydrocarbon development – numerous ongoing projects, PetroSA, Forrest Oil west coast gas, CNR well drilling and many others.
- Value-Adding of Anchovy *Engraulis encrasicolus* in South Africa and potential for poverty relief.
- Governance of Kenya Fisheries – Consultancy and report prepared for IOC Smartfish programme (2011)

Other Projects Completed :

- Comparative assessment (socio-economic) of trawl and Longline fisheries in Benguela Region (BCLME).
- Evaluation of deepwater groundfish fishery in South West Indian Ocean 2004/2005 – FAO.
- Review of Ecosystem Approach to Fisheries Management for South African Fisheries (BCLME – MCM project).
- Review of South Africa's Indian Ocean fisheries – management and policy.
- Development of the South West Indian Ocean Fisheries Programme Implementation Plan – World Bank / FAO – Completed March 2007 (preparation of Project Documents for World Bank and GEF).
- Ecosystem Approach to Fisheries – BCLME project LMR/EAF/03/01 – Contracted consultant including Risk Assessments and Benefit Cost estimators for EAF – Ongoing as of 5 November 2006.
- Indian Ocean Tuna Tagging Programme – 2004-2007 collaborative programme with McAllister Elliot and Partners (UK) and Capricorn Fisheries Monitoring cc (RSA)
- Indian Ocean Tuna Commission – 2009 Collaborative programme between MRAG (UK) and Capricorn Fisheries Monitoring cc for the provision of Observers and monitors on Indian Ocean tuna transshipment vessels.
- International Commission for the Conservation of Atlantic Tunas – 2007 Collaborative programme between MRAG (UK) and Capricorn Fisheries Monitoring cc for the provision of Observers and monitors on Atlantic tuna transshipment vessels.
- Domestic contract awarded (Sept. 2007) for the monitoring of national and high seas tuna longline fisheries, all trawl and small pelagic sectors and deep water rock lobster trap fisheries
- FAO / World Bank – review of Tanzania MACEMP programme with WB surveillance team (2008, 2009, 2010, 2011, 2012)
- FAO / World Bank – initiation of the South West Indian Ocean Fisheries Project – development of Project Implementation Manual and Observer programme (Mombasa – 2007- 2009)
- FAO / World Bank – Project development – Kenya Coastal Development Project (KCDP) – Ongoing 2010-2015
- FAO – EAF-Nansen Programme – Mozambique Sofala Bank Shrimp fishery management plan – development of effort management recommendations.
- FAO World Bank – Lake Victoria LVEMP project. Project management and support to Lake Victoria Fisheries Organisation.
- FAO World Bank – South West Indian Ocean Fisheries Shared Growth and Governance Project (Tanzania effective from June 2015)
- ICCAT Tuna Transshipment Programme Observers – CapFish project executant (2009 to 2012) – ongoing
- IOTC Tuna Transshipment Programme Observers – CapFish project executant (2010-2012) – ongoing
- Tuna Longline – RSA Observer deployments – 100% coverage on Deep Water Fishing Nations (RSA) – Project executant (2007-2012) – on-going
- IOTC Tuna – review of economic reports undertaken by WWF (10 country reports and summaries) – May 2012

Marine Stewardship Council :

- Numerous fisheries assessed including Russian Pollock, Tristan da Cunha Lobster, RSA Hake and many others including many pre-assessments
- Fishery Improvement projects ongoing : Kenya Lobster, Mozambique shallow and deepwater shrimp and Namibian Hake assessment

Lecturing and Document Preparation:

- Extensive lecturing and seminar presentations (30 years) as well as detailed project and document preparation experience.
- Presentation of 5 x International courses in Namibia on International Agreements, UNCLOS, RFO's etc to Inspectors, Observers and Fisheries Managers.

15.0 PUBLICATIONS

- JAPP, D.W. 1988 - The status of the South African experimental longline fishery for kingklip *Genypterus capensis* in Divisions 1.6, 2.1 and 2.2. *Colln. Scient. Pap. int. Comm. SE Atl. Fish.* **15(2)**, 35-39
- JAPP, D.W. 1989 - An assessment of the South African longline fishery with emphasis on stock integrity of kingklip *Genypterus capensis* (Pisces: Ophidiidae). **M.Sc. Thesis**, Rhodes University: [iii] + 138pp
- JAPP, D.W. and A.E. PUNT 1989 - A preliminary assessment of the status of kingklip *Genypterus capensis* stocks in **ICSEAF** Division 1.6 and Subarea 2. *ICSEAF Document SAC/89/S.P.*: 15 pp (mimeo).
- JAPP, D.W. 1990 - ICSEAF otolith interpretation guide No.3 - kingklip (publication completed but not published due to dissolving of ICSEAF).
- JAPP, D.W. 1990 - A new study on the age and growth of kingklip *Genypterus capensis* off the south and west coasts of South Africa, with comments on its use for stock identification. *S. Afr. J. mar. Sci.* **9**: 223-237.
- JAPP, D.W. 1993 - Longlining in South Africa. In: *Fish fishers and fisheries* L.E. Beckley and R.P. van der Elst (Eds). *Proceedings of the second South African linefish symposium, Durban, 23-24 October 1992. Special Publication No 2*: 134-139.
- JAPP, D.W. 1995 - The hake-directed pilot study conducted from 23 May 1994 to 31 May 1995. *Mimeo* 110 pp
- JAPP, D.W. 1997 - Discarding practices and bycatches for fisheries in the Southeast Atlantic Region (Area 47). In I.J. Clucas & D.G. James, eds. 1997. *Papers presented at the Technical Consultation on Reduction of Wastage in Fisheries*. Tokyo. FAO Fisheries Report No. 547 (Suppl.). Rome, FAO.
- JAPP, D.W. 1999 - Management of elasmobranch fisheries in South Africa. In: *Case studies of the management of elasmobranch fisheries* Edited by R. Shotton. *FAO Fisheries Technical Paper 378/1* : 199-217.
- JAPP, D.W. 1999 - Allocation of fishing rights in the South African hake fishery. In: *Case studies of Rights allocations. FAO Fisheries Technical Paper 411*.
- JAPP, D.W. 2006 - Country Review : South Africa (Indian Ocean). *Review of the state of world marine capture fisheries management : Indian Ocean. FAO Fisheries Technical Paper 488*.
- JAPP, D.W. 2008. Scientific rationale and alternatives for the introduction of Fishery Management Areas for hake. Unpub report. *South African Deep Sea Trawling Industry Association*.
- JAPP, D.W. P. SIMS and M.J. SMALE 1994 - A Review of the fish resources of the Agulhas Bank. *S. Afr. J. Sci.* **70**: 123-134.
- JAPP, D.W. 2010. Discussion Paper Prepared for Workshop on the Implementation of the FAO Guidelines for the Management of Deep-sea Fisheries in the High Seas. Pusan, South Korea (May 2009).
- JAPP, D.W. 2010. Pre Assessment Report for the South African Longline Fishery for Hake Client: WWF (RSA) and Ocean Fresh. Capricorn Fisheries Monitoring cc. 3 February 2010 (final)
- JAPP, D.W. 2012. Rapid Fishery Pre-Assessment for Marine Stewardship Council (MSC) Namibian Hake : *Merluccius paradoxus* and *M. capensis* undertaken for MRAG Americas
- JAPP, D.W. 2012 . South African large pelagic (tuna) assessment. MRAG Americas: WWF ABNJ Tuna Project Baseline Analysis

- JAPP, D.W. 2014. Development of a Training and Capacity Building Programme for Developing Country Fisheries Pursuing MSC certification: Principle 2 - Ecosystems Working towards Marine Stewardship Council Certification in a Developing Country – Identifying the gaps, needs and means to achieving certification.
- JAPP, D.W. 2016. Red, Orange, Green or Go. The Potential for Eco-Label certification of fisheries in the Southern and Eastern African Region
- JAPP, D.W. and J. WISSEMA. 1997 – A brief overview of the hake-directed longline experiment and research. Un pub. Report. *Sea Fisheries Research Institute*.
- JAPP, D.W and A. JAMES 2005 - Potential exploitable deepwater resources and exploratory fishing off the South African coast and the development of the deepwater fishery on the south Madagascar Ridge. *FAO Fisheries Proceedings 3/2*. Deep Sea 2003 : Conference on the Governance and Management of Deep-sea Fisheries. R. Shotton ed.
- JAPP, D.W., M. PURVES and S. WILKINSON. 2007. Benguela Current Large Marine Ecosystem State of Stocks Review 2007. Report No. 1 (2007) BCLME.
- JAPP, D.W., M. PURVES and D. NEL. 2008. Draft management plan for the Prince Edward Islands Marine Protected Area : in Nel, D & Ouardien, A. (eds): *Towards the development of a Marine Protected Area at the Prince Edward Islands*. WWF South Africa Report Series – 2008/Marine/001.
- JAPP, D.W. and H. CURRIE-POTGIETER. 2009. FAO case studies : Marine Protected Areas. *The development and status of Marine Protected Areas in South Africa and Namibia*. (In press, FAO)
- JAPP, D.W. AND M. SMITH 2012. Fisheries, Mammals and Seabirds specialist study Environmental Impact Assessment. Namibian Marine Phosphate (Pty) Ltd.: Dredging of marine phosphates from ML 170 Report (Revised 8 March 2012)
- JAPP, D.W., KELLEHER, K, D. BOYER. 2013. Preparation of the Horse Mackerel (*Trachurus trecae*) Management Plan for Angola. ACP - Support for the devising of the management plan for the Horse Mackerel fishery Angola and Namibia Project ref. N° SA-1.2-B5 REL Region: Southern Africa Country: Namibia, Angola 27 October 2013
- JAPP, D.W. AND A. HERVAS. 2013. Pre-Assessment Report – Uruguayan Hake fishery. Food Certification International Ltd Client : FRIPUR & Oceanfresh
- COCHRANE, K, D.W. JAPP *et al.* 2007 : Results and conclusions of the project “*Ecosystem approach to fisheries management in the Benguela Current Large Marine Ecosystem*” . FAO Fisheries Circular No. 1026.
- COCHRANE, K, C.J. AUGUSTYN, T. FAIRWEATHER, D.W. JAPP, K. KILONGO, J IITEMBU, N. MOROFF, J.P. ROUX, L.SHANNON, B. VAN ZYL and F. VAZ VELHO. 2009. Benguela Current Large Marine Ecosystem – Governance and management for an Ecosystem Approach to Fisheries in the region. *Coastal management*, 37:235-254.
- COCHRANE, K, and D.W. JAPP. 2012. Retrospective analysis on pelagic fishes in the South West Indian Ocean for the South West Indian Ocean Fisheries Project. Component 4 (23 November 2012)
- COCHRANE, K and D.W. JAPP, 2015. Offshore fisheries of the Southwest Indian Ocean. (5). Pelagic Fisheries. *Oceanographic Research Institute Special Publication No. 10* (eds. Van der Elst and Everett).
- HENRIQUES, R, NILESEN, S, DURHOTLZ, D, JAPP, D AND S. VON DER HEYDEN. 2016 - Genetic population sub-structuring of kingklip (*Genypterus capensis* –Ophidiidae), a commercially exploited demersal fish off South. *Fisheries Research* 187 (2017) 86–95.
- OSBORNE, R.F. , MELO, Y.C. , HOFMEYER, M.D. AND D.W. JAPP – Serial spawning and batch fecundity of *Merluccius capensis* and *M. paradoxus*. *S. Afr. J. mar. Sci.* **21**: 211 - 216.

- PUNT, A.E. and D.W. JAPP 1994 - Stock assessment of the kingklip *Genypterus capensis* off South Africa. *S. Afr. J. mar. Sci.* **14**: 133-149.
- PAYNE, A.I.L. , BADENHORST, A. AND D.W. JAPP 1996 - Managing fisheries following political transition in South Africa, faced with multiple objectives and aspirations. *ICES C.M.* **1996/P.5**
- SHANNON, L.V., CRAWFORD, R.J.M., POLLOCK, D.E., HUTCHINGS, L., BOYD, A.J., TAUNTON-CLARK, J., BADENHORST, A., MELVILLE-SMITH, R., AUGUSTYN, C.J., COCHRANE, K.L., HAMPTON, I., NELSON, G., JAPP, D.W. AND R.J. TARR. 1992 - The 1980s - a decade of change in the Benguela ecosystem. In: *Benguela Trophic Functioning*. Payne, A.I.L., Brink, K.H., Mann, K.H., and R. Hilborn (Eds). *S. Afr. J. mar. Sci.* **12**: 271-296.
- SMITH, M, COCHRANE, K AND D.W. JAPP. 2012. Review of Significant Bycatch species in the South African Hake-Directed Trawl Fishery. Prepared for the South African Deep Sea Trawling Industry Association in fulfilment of the Marine Stewardship Council (MSC) certification of the South African Hake-Directed Trawl Fishery: Condition 3
- WICKENS, P.A., JAPP, D.W., SHELTON, P.A., KRIEL, F., GOOSEN, P.C., ROSE, B., AUGUSTYN, C.J., BROSS, C.A.R., PENNEY, A.J. AND R.G. KROHN 1992 - Seals and fisheries in South Africa - competition and conflict. In: *Benguela Trophic Functioning*. Payne, A.I.L., Brink, K.H., Mann, K.H. and R. Hilborn (Eds). *S. Afr. J. mar. Sci.* **12**: 773-789.
-