

## Appendix IV

### The EIA Professional Team

**Eleanor B. Jones, M.A., Managing Director, Environment and Development Specialist**



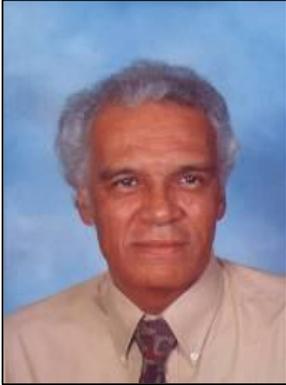
Experience:

- Environmental Risk Assessment, Management Systems and Strategy
- Strategic and project-specific Environmental and Social Impact Assessments
- Comprehensive Disaster Management
- Project Management
- Community Consultations and Participatory planning
- Training

Eleanor Jones has developed outstanding expertise in the analysis and management of interrelationships between human activity and the natural and built environments, and in work with civil society. Her expertise in project development and management has evolved from wide ranging experience in the issues of resource and risk management, hazard vulnerability assessment and reduction, sustainable tourism, human settlements, civil society, and social and economic systems with the attendant infrastructure. She has applied her professional expertise to development and implementation of environmental and disaster management policy, strategy and systems, and has led participatory and consultative dialogue in the context of community, government and private enterprise as an integral part of her work in environment and development.

Mrs. Jones currently serves as Managing Director and Consulting Principal of Environmental Management Solutions Ltd. (EMSL), a private sector environmental engineering and management services company, which she co-founded and has led since 1991, and EMSL an agency company of ESL. She was responsible for general oversight of the project.

**George A. Campbell, M.Sc., Consulting Principal, Resource Economist & Management Consultant**



Experience:

- Social Surveys
- Economic Studies
- Financial Services
- Environmental Impact Assessments

George Campbell is an experienced consultant and serves as an economist and management consultant with experience in environmental sciences. He has provided a comprehensive range of social surveys, economic studies and financial services to numerous governmental, quasi- governmental and private sector organisations as well as international agencies. He has conducted studies in such diverse fields as agriculture, economic development, housing and tourism, manufacture and commerce, manpower training and education, transport and telecommunications, and more recently, through Environmental Solutions Limited (ESL), he has been associated with socio-economic studies in the environment.

An expert in community research and development issues, Mr. Campbell headed the consulting team that prepared the 2002 PCJ study entitled *Greenwich Town Fishing Beach. Issues and Solutions*.

Mr. Campbell's work includes project evaluations in tourism development, management services in developing operational strategies and project finance including, the provision of project management services. He has also been responsible for designing several technical assistance programs in training and education. His substantive field is economics and he has provided several consultancies throughout the Caribbean on macro economic and related policy issues. Projects worked on include those commissioned by the principal multilateral agencies, regional governments and development institutions, private sector organizations, firms and individuals.

Formerly a senior associate with the economic consulting firm, Paul Chen Young & Associates, Kingston, Jamaica, between 1976 and 1982, he was closely associated with the establishment and initial management of the stock brokerage firm of Paul Chen Young & Company. In 1983, Mr. Campbell established CARICOM Consultants (Ja.) Ltd, a management consultancy firm specializing in economic, financial and marketing services. He is a Consulting Principal, founding Partner and Director at ESL.

**Margaret Jones Williams, Ph.D., Director, Consulting Principal; Environmental Scientist**



Experience:

- Coastal Pollution
- Natural Resources Evaluation
- Environmental Impact Assessment
- Conservation and Biodiversity Issues
- Project Evaluation
- Environmental Training

Margaret Jones Williams is an outstanding environmental scientist, experienced in coastal pollution, natural resources evaluation, environmental impact assessment (EIA), conservation and biodiversity issues, environmental conference management and environmental training and awareness.

Educated in Canada, Jamaica and the United Kingdom, Dr. Jones Williams has served as Technical Supervisor/Zoologist at the Conservation Data Centre-Jamaica, a biodiversity unit, where she supervised and participated in extensive field work and mapping of Jamaica's endangered, endemic and threatened fauna as part of the Protected Areas and Resources Conservation (PARC) project which established national parks in the island.. She has also been on assignment with the United Nations Environment Programme (UNEP) as Consultant for the Specially Protected Areas and Wildlife Protocol as well as with the United States Agency for International Development/Associates in Rural Development (USAID/ARD) evaluating the status of educational material available in Jamaica on coral reefs, as a means of upgrading the national curriculum. Dr. Jones Williams was contracted by the European Union/Tractebel Engineering as a consultant for a Biodiversity in Development Case Study of the Negril Marine Park/Negril Coral Reef Preservation Society.

Dr Jones Williams has developed significant expertise in ecological assessments and development considerations and she currently serves as a member of the Scientific Authority for the Convention for International Trade in Endangered Species (CITES), and is past president of the Jamaica Institute of Environmental Professionals (JIEP). She is also a member of several environmental NGO's, and has served as Treasurer of the Natural History Society of Jamaica and a board member of the National Environmental Societies Trust (NEST). She is also Director/Scientific Co-ordinator of Jamaica Wildlife, a company, which seeks to raise funding and awareness for environmental care in Jamaica through the sale of environmental images on marketable media. In this capacity she has organised and led seminars in environmental awareness for staff of leading Jamaican hotels.

Dr Jones Williams was responsible for leading the EIA Professional Team, client liaison, participating in the ecological analysis, identification of potential impacts and presentation of mitigation measures.

**Sharonmae Shirley, M.Phil., Director, Consulting Principal, Environmental Chemist**



Experience:

- Environmental and Analytical Chemistry
- Petroleum Hydrocarbon Assessment & Remediation
- Phase I and Phase II Assessments
- Environmental Monitoring
- Environmental, EMS and HACCP Audits
- Occupational Health and Safety Assessments.
- Environmental, EMS and HACCP Training

Trained as an Applied/Environmental Chemist, she has received a number of awards while at the University of the West Indies for her work in Chemistry. She has over twelve years practical experience in designing and implementing environmental assessment and monitoring projects. Mrs. Shirley has served as Team Leader in conducting environmental assessments at airports, petroleum and petrochemical facilities, cement and industrial chemical plants as well as food processing industries. She has undertaken several remediation projects involving petroleum pollution of soil and groundwater.

Mrs. Shirley has developed significant expertise in air quality investigations having conducted over twenty indoor and ambient air quality assessments islandwide. She is a certified trainer and has trained both public and private sector workers in the principles of environmental and HACCP (hazard analysis critical control points) auditing.

Mrs. Shirley is also has overall responsibility for the management of the ESL Laboratory Services. She also serves as a board member for the National Laboratory Association of Jamaica, Chair of the St. Catherine Parish Action Committee (a NGO), and co-Chair of TPSDA Church board. She is a member of the Caribbean Academy of Sciences and the Jamaica Institute of Environmental Professionals. Mrs. Shirley was responsible of air quality, water quality and noise assessments.

## D. Brandon Hay, B.Sc., M.Phil, Ornithologist



### Experience:

- Botanical Surveys
- Ornithological Surveys
- Ornithological Excursions

Brandon is an experienced research and field biologist with specialist skills in vegetation surveys, ornithology and management of protected areas. He is currently employed as a Scientific Officer to the Caribbean Coastal

Area Management Foundation (CCAM), which co-manages the Portland Bight Protected Area along with the national Environment and Planning Agency (NEPA). He has collaborated and consulted on many Environmental Impact Assessments since 1994. Some of the projects include:

- **Botanical Surveys**
  - Survey of Sites in Spring Mount St Ann for proposed housing sub-division
  - Surveys of three sites in Portmore, Rockfort and Tinson Pen for development of Municipal Bus Parks
  - Survey of Jacks View St Thomas, site of a housing sub-division.
- **Ornithological Surveys**
  - Survey of Sites in Spring Mount St Ann for proposed housing sub-division
  - Little London Westmoreland proposed Housing sub-division
  - Black River St Elizabeth site of new sewage treatment plant for the Town
- **Surveys in the Area of the New Harbour Village Project Site**
  - Botanical Survey of the site of the New Longville Housing Scheme
  - Ornithological Survey of site of new NHT housing scheme at Hayes Clarendon
  - Clarendon New Town site
  - Additionally he has worked on Baseline surveys of the area as part of the development of the specific management plans for the natural resources of the Portland Bight Protected Area for CCAM.

### These include:

- Ornithological Survey of migratory birds in the Wetlands of the Portland Bight (NFWF)
- Wetland Resources assessment of the Portland Bight Area (EFJ)
- Migratory Ducks in Jamaica (NEPA/DU)
- Coral Disease Surveys in the Portland Bight area
- EIA for the proposed development of the Welcome fishing beach (SCSDP)

## Brian Richardson, M.Sc., Hydrogeologist



Experience:

- Water Resource Assessment
- Landfill Hydrogeological Risk Assessment
- Groundwater Contamination and Remediation
- Geotechnical
- Environmental Due Diligence
- Environmental Impact Assessment

Brian Richardson is a Hydrogeologist who specialises in Water Resources Development & Contaminant Hydrogeology. With over 10 years international experience, Brian specialises in hydrogeological risk assessment, water resource feasibility assessments, site characterisation and land and groundwater quality assessments.

His key experience include:

- ***Aqueous Chemistry and Groundwater Modelling*** – *Developing MODFLOW 3-D hydrogeological models for evaluating groundwater resource quality he also has extended modeling experience with LandSim, ConSim, HELP, AQUACHEM and using integrated geological data management, analysis, and visualization tools (Birmingham, UK).*
- ***Contaminant Hydrogeology*** – *industrial groundwater contamination characterisation and remediation including hydrocarbon impacted sites (Leeds, UK and Jamaica, WI).*
- ***Water Resources*** - *from scoping studies through comprehensive exploratory geophysical surveys and drilling programmes to detailed monitoring well design and rehabilitation of deep wells (Leeds, UK and Jamaica, WI).*

He has been responsible for geotechnical and hydrogeological inputs to projects in the UK, USA and the Caribbean.

Brian not only brings to the table a focus on the monitoring well design, construction and maintenance and their application to hydrogeology but offers detailed knowledge of drilling techniques and equipment ranging from dual-walled rotary coring and hollow-stem augering to motorized hand-held augers in the Caribbean environment. He has considerable experience in implementing robust sampling QA/QC systems, well design and field sampling protocols. He has a comprehensive understanding of the legislative environment in Jamaica (and the Caribbean and the UK) that will ensure that any site investigation will be fully compliant with the local regulations.

## **Kimberly Bryan, MSc - Environmental Scientist/Project Officer**



Ms. Bryan is an environmental/natural resource specialist. She has developed professional experience in environment and disaster management particularly at the local level in Jamaica. Ms. Bryan's expertise includes project management which she has applied to environmental risk management and development. A Commonwealth scholar, she has worked on internationally funded projects at the national and local levels. Her role on this project involves socioeconomic data gathering, research support and more importantly GIS and Mapping.

## **Annamarie Barnett, Bsc. – Project Officer**



Miss Barnett is presently a project officer with training in Environmental and Natural Resource Management and Agriculture Science. She is presently in the Sustainable Development Services Division at Environmental Solutions Ltd. and has worked on several in-house projects. Miss Barnett participated in the study of the physical attributes of the site focusing on land use and hazard consideration and also contributed to the report in terms of research support and report preparation.

## **RODERICK C. EBANKS, M.Phil - HERITAGE CONSULTANT**

Mr. Roderick Ebanks has over forty years experience in the field of Cultural Heritage Resource Management especially in the areas of archaeology, museology and museography, having spent thirteen years managing the Museums Division of the Institute of Jamaica and another twenty two managing the Archaeology Division of the Jamaica National Heritage Trust.

Over the forty year period he has been involved in every major archaeological project in the island, large and small, covering all the major time periods of the islands history including the Taino, Spanish, English, African Jamaican, as a participant, lead researcher, or as initiator/ manager/facilitator/coordinator.

Major projects have included the Seville - African Jamaican, Spanish and Caravel research programs; Port Royal - land and underwater and the Spanish Town and Nanny Town ( Maroon ) research projects.

1. Mr. Ebanks piloted the commencement of new areas of research including African Jamaican archaeology at Drax Hall and Seville, Rescue Archaeological interventions including 16 ½ White Church Street, Spanish Town and Albert Market, Montego Bay; and Archaeological Impact Assessments including the North Coast Highway, segment 1 and Liberty Hill assessments
2. He was Lead Researcher –in the Paradise Park Taino test excavations.
3. He has over twenty five years experience researching the history and archaeology of Jamaican ceramics including African Jamaican ceramics both in Jamaica and in Ghana West Africa which was subsequently accepted for the MPhil. Degree at the UWI. He has also presented several papers at conferences.
4. His recent archaeological work includes the Archaeological Impact Assessments of the Harmony Hall and Florence Hall projects, and the rescue archaeological exploration of the Bluefield Taino site as one of the principal investigators

5. Mr. Ebanks was the lead organizer and Chairman of the 2007 IACA conference and Principal cultural heritage consultant with the Jamaica Conservation Development Trust on the Blue and John Crow Mountain (BJCM) nomination dossier to declare the BJCM a World Heritage site.

Mr. Ebanks has been a regular team member on the heritage segment of projects undertaken by ESL.

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