

## List of Abbreviations

### Abbreviation

ArabMAB	Arab Man and Biosphere
AAS	Atomic absorption spectrophotometry
°C	Degree Celsius
CBD	Convention on Biological Diversity
CITES	Convention on International Trades in Endangered Species
EMWL	Eastern Mediterranean meteoric water line
EC	Electrical Conductivity
EEG	Emirates Environmental Group
ENHG	Emirates Natural History Group
EWS	Emirates Wildlife Society
EAD	Environment Agency- Abu Dhabi
EIS	Environmental Information System
ESRI	Environmental Systems Research Institute
FEWA	Federal Electricity and Water Authority
FEA	Federal Environmental Agency
GIS	Geographic information systems
GMWL	Global meteoric water line
GPS	Global positioning system
GCC	Gulf Cooperation Council
Hr/d	Hours per day

ICT	Information and communication technology
TIES	International Ecotourism Society
ITCZ	Inter-tropical convergence zone
IUCN	International Union for Conservation of Nature
Km/hr	Kilometers per hour
LMWL	Local meteoric water line
MCM	Million cubic meters
MERC	Marine Environment Research Centre
mm	Millimeters
MEW	Ministry of Environment and Water
Mm/d	mm/day
NARC	National Avian Research Centre
NGO	Non-governmental organizations
ORD	Object-relational database
ORDBMS	Object-relational database management system
O/RM	Object-relational mapping
ROPME	Regional convention on Protection of the Marine Environment
SEWA	Sharjah Electricity and Water Authority
SAR	Sodium Adsorption Ratio
km <sup>2</sup>	Square kilometers
TERC	Terrestrial Environment Research Centre
TDS	Total dissolved solids
TU	Tritium unit

MAB	UNESCO's Program on Man and the Biosphere
UAE	United Arab Emirates
UNCED	United Nations Conference on Environment and Development
UNESCO	United Nations Educational, Scientific and Culture Organization
UNEP	United Nation Environment Program
WWF	World Wildlife Fund for Nature
WBR	Wurayah Biosphere Reserve