

Abbreviations and acronyms

2-D	Two-Dimensional
3-D	Three Dimensional
A Pan	American Pan
ALS	Airborne Laser Solutions
amsl	above mean sea level
CAD	Computer Aided Drawing
CWE	Centre for Water in the Environment
DAMBRK	Dam Break hydraulic routing model
DAYFLOW	Daily time-step water resources simulation model
DTM	Digital Terrain Model
DWAF	Department of Water Affairs and Forestry
EMC	Ecological Management Class
ET	Evapotranspiration
FAO	United Nations Food and Agricultural Organisation
GIS	Geographic Information System
GP	Gauge Plate
GPS	Global Positioning System
GRD	GRiD
HEC	Hydrologic Engineering Center
HEC-RAS	HEC-River Analysis System
HEC-DSSVue	HEC-Data Storage System Visual Utility Engine
Hydro2de	Two-dimensional hydraulic model
IEM	Integrated Environmental Management
IFR	Instream Flow Requirement
ISIS	One-dimensional hydraulic modelling package
LAI	Leaf Area Index
LiDAR	Light Detection And Ranging
LO	Local Ordinate
M Pan	Mini Pan

MAE	Mean Annual Evaporation
MAR	Mean annual runoff
MIKE11	One-dimensional hydraulic modelling package
Nylsvlei	The Nyl River floodplain
Nylsvley	The Nylsvley Nature Reserve, which falls within the Nyl River floodplain
Quicksurf	Surface modelling program
RBFVM-2D	Two-dimensional hydraulic model
RH	Relative Humidity
RiverCAD	Surface and hydraulic modelling interface program
RMA-2	Two-dimensional hydraulic model
S Pan	Symons Pan
SMS	Surfacewater Modelling System
SRK	Steffen, Robertson and Kirsten Consulting Engineers
TGRD	TIN GRD
TIN	Triangulated Irregular Network
TPA	Transvaal Provincial Administration
TPGP	Theron, Prinsloo, Grimsehl and Pullen Consulting Engineers
UNET	Unsteady Network
WETFLOW	Two-dimensional hydraulic model
WRC	Water Research Commission
WRSM90	Water Resources Simulation Model
WRSM2000	Water Resources Simulation Model updated in Windows