

CE.Gwat_Nc - Water level monitoring, Niger meso-site

General information

Dataset name: CE.Gwat_Nc - Water level monitoring, Niger meso-site
Created on: 2005-12-02

Contact(s)

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Period

Date begin (yyyy-mm-jj): 2003-01-13
Date end (yyyy-mm-jj): 2006-12-31

Project(s)

AMMA > AMMA-EOP

Data description

Abstract

Monitoring and documentation of water levels, of water table and temporal evolution (rainy season, dry season, etc), in order to enhance the knowledge of recharge areas and volume recharge.

Observing strategy

Continuous monitoring during LOP, EOP and SOP, of supposed recharge areas (gullies, spreading areas, vegetated bands of tiger bush) : disposition of devices in transects from the ponds to determine the form of piezometric dome formed by water infiltration under the ponds : 6 devices installed and 5 others to be installed.

Instrument information

Sensor

Instrument type: WATER LEVEL GAUGES
Manufacturer: OTT
Model: Water level meter

Geographic information

Niger meso-site

Location name:	Niger meso-site
Platform type:	GROUND STATIONS
West bounding coordinate (°):	2.6465
East bounding coordinate (°):	2.6964
North bounding coordinate (°):	13.6496
South bounding coordinate (°):	13.5326
Altitude min:	202.6
Altitude max:	250

Measured parameters

Water Temperature

Parameter name:	Water Temperature
Parameter keyword:	Terrestrial Hydrosphere > Water Quality/Water Chemistry > Water Temperature
Unit:	Degrees Celsius - °C
Date begin (yyyy-mm-jj):	2003-01-13
Date end (yyyy-mm-jj):	2006-12-31

Water Table + Air pressure

Parameter name:	Water Table + Air pressure
Parameter keyword:	Terrestrial Hydrosphere > Ground Water
Unit:	cmH2O - cmH2O
Date begin (yyyy-mm-jj):	2003-01-13
Date end (yyyy-mm-jj):	2006-12-31

Water Table

Parameter name:	Water Table
Parameter keyword:	Terrestrial Hydrosphere > Ground Water > Ground Water Features > Water Table
Unit:	meters
Date begin (yyyy-mm-jj):	2003-01-13
Date end (yyyy-mm-jj):	2006-12-31

Air Pressure

Parameter name:	Air Pressure
Parameter keyword:	Atmosphere > Atmospheric Pressure
Unit:	millibars - mbar

Date begin (yyyy-mm-jj):	2003-01-13
Date end (yyyy-mm-jj):	2006-12-31

Data use information

Use constraints:

Permission is granted to use these data in research and publications when accompanied by the following statement: "The AMMA-CATCH regional observing system was set up thanks to an incentive funding of the French Ministry of Research that allowed pooling together various pre-existing small scale observing setups. The continuity and long term perenity of the measurements are made possible by an uninterrupted IRD funding since 1990 and by a continuous CNRS-INSU funding since 2005."