

Water Resource Monitoring, State Based Technical Procedures

Subject Type	ID Number	Title	Description
Data Management	TP_M_0005	Managing Digital Site Related Information	Describes a standard convention for managing digital site related information for water monitoring sites.
Data Management	TP_M_0006	Managing Digital Site Photos	Describes a standard convention for processing, naming and storage of digital photos of Water Monitoring Sites.
Data Management	TP_M_0046	Monitoring Site Identifier Conventions	Provides a standard approach to assigning Site Identifiers to water monitoring sites registered in the Hydstra Time Series data system.
Data Management	TP_M_0047	Monitoring Site Naming Conventions	Provides a standard approach to the naming of surface water monitoring sites, including guidelines to ensure a uniform approach to the entry of information into Hydstra TS.
Data Management	TP_M_0048	Hydstra Site Related Tables	Provides a standard approach to the management of water monitoring site information within the time series data system (Hydstra TS).
Data Management	TP_M_0049	Time Series Data Parameter Identifier Conventions	Provides a standard approach to the use of variables (vars) and sub-variables (subvars) in the time series data system (Hydstra TS).
Gauging & Levelling	TP_M_0019	Level Surveys	Outlines the general practice of conducting level surveys using the rise and fall method and associated registering and recording of survey data.
Gauging & Levelling	TP_M_0059	Stream Gauging Procedures - Acoustic Instruments	Describes how to conduct flow gaugings using equipment based on acoustic Doppler technology

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Instruments and Equipment	TP_M_0054	Measuring Mobile Phone Signal Strength	Describes the equipment and processes used to measure mobile phone signal strength.
WHS	TP_M_0007	Water Safety	Describes work methods, equipment and procedures to be used by all Water Monitoring personnel when working immediately adjacent to or in water, or any other situation where there is potential for a person to fall directly into water.
WHS	TP_M_0026	Safe Working Practice: RF Radiation	Describes the practices and procedures to ensure that exposure to all personnel from RF radiation is below relevant occupational and public exposure standards.
WHS	TP_M_0027	Remote Areas Safety Log-in Officer Responsibilities and Tasks	Describes the responsibilities and tasks of the Remote Area Safety Log-In Officer.
WHS	TP_M_0031	Working on Towers and Masts	This procedure describes safety guidelines for staff working on towers and masts.
WHS	TP_M_0034	Radiation Management Plan	This document is the Radiation Management Plan for Resource Monitoring Services Unit. The Radiation Management Plan details the implementation of the policies outlined in the Radiation Safety Manual.
WHS	TP_M_0035	Radiation Safety Manual	Contains radiation safety policy information and fulfils the requirements of a Radiation Safety Manual, as referred to in the SA Radiation Protection and Control (Ionising Radiation) Regulations 2000.
WHS	TP_M_0036	Radiation Safety Officer Responsibilities and Duties	Outlines the responsibilities and duties assigned to the Radiation Safety Officer (RSO) of Resource Monitoring Unit (RMU) Glenside
Quality Management	TP_M_0001	Control Document System	Describes the system used to manage documents (Control Documents) that form part of the Monitoring, Quality Management System

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Quality Management	TP_M_0002	Preparing Control Documents	Describes the layout and contents of Control Documents forming part of the Monitoring Quality Management System.
Rating Tables	TP_M_0015	Stage - Discharge Table Reviews	Outlines the standards and conventions used to manage and maintain stage-discharge relationships (ratings) developed for surface water flow monitoring sites
Data Management	TP_M_0023	Establishing Rainfall Monitoring Sites	Provides guidelines for the selection, construction and maintenance of rainfall monitoring sites where recording pluviometers are deployed.
Data Management	TP_M_0039	Documenting Monitoring Site Requirements	Describes the process used to describe the purpose of a monitoring site and thus define the Monitoring Specification, Site Classification, Service Level Standards and Performance Measures for the site that guide the standard of operation of the site
Data Management	TP_M_0041	Business Processes to Establish or Modify Water Monitoring Sites	Describes the corporate business processes required to establish or modify a water monitoring site.
Data Management	TP_M_0042	Business Processes to Close a Water Monitoring Sites	Describes the corporate business processes required to close, decommission and remediate a water monitoring site.
Data Management	TP_M_0050	Registering a New Site in Hydstra TS	Provides a standard approach to registering a new site within the Hydstra TS system, and details the minimum mandatory items for a site to be registered.
Site Operation	TP_M_0017	Data Collection with Campbell Loggers	Describes the general features and operating practices for the Campbell CR1000 and Campbell CR800 data loggers used to record water data.
Site Operation	TP_M_0020	Resolving Monitoring Site Telemetry Faults	Provides water monitoring personnel with guidance to rectify faults with telemetry equipment at monitoring sites.
Site Operation	TP_M_0024	Operating Rainfall Monitoring Sites	Outlines the requirements for operating rainfall recording sites

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Site Operation	TP_M_0025	Rainfall Data Collection with Campbell CR200 Logger	Describes the general features and operating practices for Campbell CR200 data loggers specifically adapted to record rainfall data.
Site Operation	TP_M_0030	Data Collection with InSitu Sensor/logger	Describes the general features and operating practices for In-Situ data loggers used to record water data.
Site Operation	TP_M_0043	Data Collection with MicroSpider Loggers	Describes the use of a micro-Spider logger for collecting and telemetry of water data.
Site Operation	TP_M_0051	Routine Maintenance of APY Lands Water Bores - Data Logger Sites	Describes the regular maintenance and calibration procedures performed at water supply bores in the APY Lands where data loggers are used for monitoring
Site Operation	TP_M_0052	Routine Maintenance of APY Lands Water Bores - SCADA Sites	Describes the regular maintenance and site calibration of water bore sites in APY lands fitted with a SCADA system.
Site Operation	TP_M_0053	Adding a New Telemetry Site to LoggerNet	Describes the process of adding a new IP telemetry site to the Campbell LoggerNet LocalHost system.
Site Operation	TP_M_0058	Site Level Check Surveys	Describes processes used to complete an Site Level Check Survey at a water resource monitoring site.
Data Validation & Processing	TP_M_0004	Attaching Comments to Time Series Data	Describes a standard convention for attaching comments to data points in Hydstra time series (TS) data files.
Data Validation & Processing	TP_M_0009	Processing Flow Gaugings	Outlines the process to enter flow gauging results into the Hydstra TS GAUGINGS and GAUGMEAS Tables, and the entry of detailed measurements from current flow gauging into the HYGAUGE gauging calculator application.

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Data Validation & Processing	TP_M_0010	Smoothing Groundwater Drawdown Data	Outlines the method used to edit recorded groundwater water level data using the Hydstra Time Series Data Managers Workbench application to produce a 'smoothed' drawdown curve.
Data Validation & Processing	TP_M_0011	Processing Recorded EC and Temperature Data	Describes the standard approach to the processing and coding of digitally recorded electrical conductivity (EC) and water temperature data using the Hydstra TS system.
Data Validation & Processing	TP_M_0013	Processing Cross Section Data	Describes a standard approach for the processing of stream cross section survey data into the hydrometric data archive system (Hydstra TS).
Data Validation & Processing	TP_M_0014	Processing Monitoring Site Manual Readings	Describes the processes used for entering manual readings taken at water monitoring sites into the Hydstra TS data system.
Data Validation & Processing	TP_M_0016	Time Series Data Validation and Editing	Describes the methods used to validate and, if necessary, adjust or edit time-series data, and then process data to the archive.
Data Validation & Processing	TP_M_0018	Importing Logger Data Into Hydstra TS Workbench	Describes the mechanism used to import logger data into the Hydstra Time-series system in readiness for validating and processing data to the archive
Data Validation & Processing	TP_M_0021	Time Series Data Quality Codes	Provides guidance in the practice of assigning appropriate quality codes to time series data prior to archiving the data.
Data Validation & Processing	TP_M_0022	Processing Recoded Rainfall Data	Provides a standard approach to the processing and quality coding of digitally recorded rainfall data using the Hydstra TS system.
Data Validation & Processing	TP_M_0028	Processing Validated Groundwater Logger Data Into SA-Geodata	Describes the processes used to export validated logger data from the Hydstra Time Series system into the groundwater data archive, SA_Geodata.

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Data Validation & Processing	TP_M_0044	Acoustic Doppler Velocity Meter Data Management	Describes the methodology to be used manage time series data produced by Acoustic Doppler Velocity Meter (ADVM) systems