

# PWS Asset Management System (AMS)

## Data Structure

A number of spatial layers are derived from the AMS and uploaded to the LIST Server via the Feature Management Engine (FME) every weekday night. Only core attributes are transferred.

The AMS contains a large number of attributes. Information relating to spatial data is contained in its Asset and Site Registers, Defects, Jobs and Enquiries.

Spatial layers available via ListMap, ListData and List Services use a common set of attributes and some specific attributes. Some attribute names are renamed (Alias) via FME on transfer.

Most features in the AMS Asset Register are constructed assets.

Features are classified by their feature group and then by feature type (two level hierarchy).

Every feature is attached to a Site. The Site contains attributes such as the operational PWS Region and Field Centre.

These attributes provide a “snapshot”. Users should access the AMS to get the full representation.

Field	Alias	Type	Description
<b>Generic Attributes (contained in most layers)</b>			
site_code	<b>Site Code</b>	Char (10)	This represents the unique identifier for the site. The prefix of the site code is intelligent, eg. SWART12345 S=Site, W = North West Region, ART = Arthur River Field Centre
site_name	<b>Site Name</b>	Char (30)	Every feature is attached to a site which has a descriptive name.
feature_location	<b>Asset Name</b>	Char (2000)	The name of the feature, whether an official name or a descriptive name. Some generic features do not have a name, eg. A sign.
feature_type_code	<b>Asset Type Code</b>	Char (4)	The unique classification code for this feature, eg. SNBO.
feature_type_name	<b>Asset Type</b>	Char (30)	The descriptive name for the feature type code, eg. Sign-Boundary.
feature_group_name	<b>Asset Group</b>	Char (30)	The descriptive name of the feature group for this feature, eg. Signage
feat_cent_east	<b>Easting</b>	Decimal (10,2)	The centroid X of the feature, in GDA94 Zone 55.
feat_cent_north	<b>Northing</b>	Decimal (10,2)	The centroid Y of the feature, in GDA94 Zone 55.

feature_start_date	<b>Start Date</b>	Datetime	The built or the purchase date of the feature, may default to 1/1/1970 if unknown.
feature_end_date	<b>End Date</b>	Datetime	The predicted or the actual end of life date for the feature, if stated.
contract_area_name	<b>Field Centre</b>	Char (30)	The descriptive name of the attached PWS field centre.
central_asset_id	<b>Central Asset ID</b>	Char (10)	The primary identifier for any feature. For a 'Managed Area' or 'Whole of Site' there is a char prefix of M or S.
last_inspected	<b>Last Inspected</b>	Datetime	When the feature was last inspected from a condition survey.
condition_class	<b>Condition Class</b>	Char (2000)	The condition of the feature from the last survey, such as Excellent, Good, Failed etc.
condition_notes	<b>Condition Notes</b>	Char (2000)	Any additional comments on the condition from last survey.
<b>Attributes (Administration sub-group)</b> Layers: Region (PWS)			
ward_name	<b>Region</b>	Char (30)	The descriptive name of the attached PWS Region.
<b>Attributes (Asset Operations sub-group)</b> Layers: AIP Infrastructure, Asbestos Register, Critical Assets, Defects, Enquiries, Jobs Raised, Jobs Committed, Jobs Completed, Plant and Equipment, RSIP Infrastructure			
AIP	<b>AIP Code</b>	Char (4)	The Asset Inspection Program number. Features subject to this engineering program are classified 1-4, where 4 are more complex structures and 1 are less complex structures.
RSIP	<b>RSIP Code</b>	Char (4)	The Road Structures Inspection Program number. Most of these features are usually bridges and large culverts, where 4 are more complex structures and 1 are less complex structures.
criticality	<b>Criticality</b>	Char (30)	The descriptor for the criticality of the feature, defined in the range of Critical, High, Medium or Low. Criticality is defined by the impact on business or service need.
asbestos_identified	<b>Asbestos Identified</b>	Datetime	When the asbestos or asbestos containing materials (ACM)

			occurrence was first identified or recorded.
asbestos_desc	<b>Asbestos Description</b>	Char (2000)	The description of the asbestos or ACM occurrence and location, eg. sheeting, insulation.
asbestos_recommendation	<b>Asbestos Recommendation</b>	Char (2000)	The initial recommendation for the treatment of the asbestos occurrence or ACM.
asbestos_nature	<b>Asbestos Nature</b>	Char (30)	The nature of the asbestos or ACM occurrence, such as friable or non-friable; and bonded or sealed.
inspection_frequency	<b>Inspection Frequency</b>	Char (30)	The recommended inspection regime, annual, quarterly etc.
defect_number	<b>Defect Number</b>	Decimal (8,0)	The unique identifier for a defect on a feature.
defect_description	<b>Defect Description</b>	Char (2000)	The description of the defect.
defect_date	<b>Defect Date</b>	Datetime	When the defect was first recorded or identified.
defect_type_code	<b>Defect Type Code</b>	Char (4)	The unique classification code for this defect, eg.TS18
defect_type_name	<b>Defect Type Name</b>	Char (30)	The descriptive name for the defect type code, eg. AIP3/4-Metal corrosion.
priority	<b>Priority</b>	Char (30)	The priority of an action on a feature, defect or job. Classes include Very High, High, Medium or Low.
officer_code	<b>Officer Code</b>	Char (4)	The unique code for a PWS employee.
officer_name	<b>Officer Name</b>	Char (30)	The full name of a PWS employee
defect_easting	<b>Defect Easting</b>	Decimal (10,2)	The centroid X of the defect in GDA94 Zone 55.
defect_northing	<b>Defect Northing</b>	Decimal (10,2)	The centroid Y of the defect in GDA94 Zone 55.
job_number	<b>Job Number</b>	Decimal (8,0)	The unique identifier for a job on a feature, usually related to a defect.
job_notes	<b>Job Notes</b>	Char (2000)	The description of the works to be done on the feature.
job_location	<b>Job Location</b>	Char (2000)	If required, more precise details of the location for job.
job_type_name	<b>Job Type Name</b>	Char (50)	The type of job, eg. Infrastructure Maintenance, Cleaning etc.

customer_reference	<b>Customer Reference</b>	Char (20)	Is used as parent job identifier to link parent and child jobs.
cost_code_name	<b>Cost Code Name</b>	Char (30)	The name of the responsible financial entity, usually the attached PWS field centre.
job_status	<b>Job Status</b>	Char (30)	Each job progresses through a workflow, starting with Job Raised and a number of subsequent steps, such as Committed, Started, On Hold, Cancelled or Completed.
allocated_officer	<b>Allocated Officer</b>	Char (30)	The name of the PWS employee tasked with the job.
estimated_state_date	<b>Estimated State Date</b>	Datetime	The date when the job should start.
actual_start_date	<b>Actual Start Date</b>	Datetime	When the job actually started.
estimated_completion_date	<b>Estimated Completion Date</b>	Datetime	The date when the job is envisaged to be completed.
target_complete_date	<b>Target Complete Date</b>	Datetime	The date when the job should be completed by.
actual_complete_date	<b>Actual Complete Date</b>	Datetime	When the job is actually completed.
job_easting	<b>Job Easting</b>	Decimal (10,2)	The centroid X of the defect in GDA94 Zone 55.
job_northing	<b>Job Northing</b>	Decimal (10,2)	The centroid Y of the defect in GDA94 Zone 55.
enquiry_number	<b>Enquiry Number</b>	Decimal (8,0)	The unique identifier for an enquiry (aka issue).
enquiry_desc	<b>Enquiry Description</b>	Char (2000)	The description of the enquiry.
enquiry_location	<b>Enquiry Location</b>	Char (2000)	If required, more precise details of the location of the enquiry.
service_code	<b>Service Code</b>	Char (4)	The unique classification code of the enquiry, eg. ERPL
service_name	<b>Service Name</b>	Char (30)	The descriptor for the service code eg. Pollution.
subject_code	<b>Subject Code</b>	Char (4)	The unique sub-classification code for the enquiry, eg. EGWF
subject_name	<b>Subject Name</b>	Char (30)	The descriptor for the subject code eg. Rubbish & Hazardous Waste.
logged_date	<b>Logged Date</b>	Datetime	When the enquiry was recorded in the system.
logged_by	<b>Logged By</b>	Char (10)	The computer login of the PWS employee entering the enquiry
enquiry_status	<b>Enquiry Status</b>	Char (30)	The status of the enquiry in the workflow, starting with Logged

			and progressing through steps such as Inspection Required, Inspection Completed, Works Scheduled, In Progress, Job on Hold or Closed.
enquiry_easting	<b>Enquiry Easting</b>	Decimal (10,2)	The centroid X of the enquiry in GDA94 Zone 55.
enquiry_northing	<b>Enquiry Northing</b>	Decimal (10,2)	The centroid Y of the enquiry in GDA94 Zone 55.
<b>Attributes (Environmental Condition sub-group)</b> <b>Layers:</b> Priority Weeds			
common_name	<b>Common Name</b>	Char (30)	The common or local name of the species, eg. Blackberry
species_name	<b>Species Name</b>	Char (30)	The associated species name, eg. <i>Rubus fruticosus</i>
<b>Attributes (Infrastructure sub-group)</b> <b>Layers:</b> Heritage Features, Roads, Road Structures, Walking Tracks			
thpi_number	<b>THPI Number</b>	Char (2000)	The unique Tasmanian Historic Places Inventory number. This and the former Access database are legacy products.
heritage_significance	<b>Heritage Significance</b>	Char (30)	The significance class from 1 to 6. See below for descriptors.
Category 1	Sites requiring extensive management because they are particularly significant, experience significant developments and/or tourist pressures, or are controversial sites.		
Category 2	Sites and areas where historic heritage values are not necessarily high but are subject to pressures which require management and monitoring.		
Category 3	Wilderness huts still in use and their settings, including archaeological remains.		
Category 4	Historic heritage sites which have been leased or otherwise divested under agreements so that most management is not undertaken by PWS, but monitoring is still required.		
Category 5	Other sites or areas where significance is likely to be lower, where there are fewer pressures, and where simple cyclical maintenance tasks will provide some level of conservation.		
Category 6	Sites where active management is inappropriate or not achievable at this stage (eg remote archaeological sites).		
length_in_metres	<b>Length in Metres</b>	Decimal (12,2)	The computed measure of a linear feature in metres usually a road or a walking track.
safe_weight_limit	<b>Safe Weight Limit</b>	Decimal (10,2)	The maximum weight limit for a road bridge or culvert, in kilograms.
list_class	<b>LIST Class</b>	Char (30)	The road class from The LIST, eg. Access Road, Local Road etc
ft_class	<b>STT Class</b>	Char (30)	The road class (of 6) from the Tasmanian Reserve Management Code of Practice, eg. Class 1, Class 2 etc.

owner	<b>Owner</b>	Char (30)	The known owner or authority for the road.
manager	<b>Manager</b>	Char (30)	If different from the owner, the authority responsible for operational management and day to day road maintenance.
pws_track_class	<b>PWS Track Class</b>	Char (4)	The unique classification code from the PWS walking track classification system, eg. TRW1, TRW2, TRT1, TRT2, TRT3, TRT4, TRRO, TRCL
pws_track_class_desc	<b>PWS Track Class Description</b>	Char (30)	The descriptor for the walking track class, eg. WalkingTrack-PWS W2
as2156_track_class	<b>AS2156 Track Class</b>	Char (4)	The unique Australian Standard Walking Track class. Classes are from 1 to 6, eg. TRA1.
as2156_track_class_desc	<b>AS2156 Track Class Description</b>	Char (30)	The descriptor for the AS2156 track class, eg. Class 1
can_be_published	<b>CAN_BE_PUBLISHED</b>	Char (4)	For publishers that access PWS data, whether they can publish data (Y/ N) on signs, printed material/maps or online.
<b>Attributes (Parks Planning sub-group)</b> <b>Layers:</b> Managed Areas, Management Sites, Neighbourhood Program, Recreation Site RSF, Visitor Sites			
area_hectares	<b>Area in Hectares</b>	Decimal (12,2)	The computed area of a major polygon feature, usually a reserve or a site.
managing_authority	<b>Managing Authority</b>	Char (30)	Indicates the authority that is responsible for the feature, usually for a managed area.
reserve_category	<b>Reserve Category</b>	Char (30)	The category, such as Crown Land, State Reserve, Nature Reserve, National Park etc.
iucn	<b>IUCN</b>	Char (30)	The International Union of Conservation of Nature classification. A method of classifying reserves, classes include – Ia, Ib, II, III, IV and V.
mgt_plan_type	<b>Management Plan Type</b>	Char (30)	The type of management plan in place (if applicable), such as Statutory, Strategy, Statement.
mgt_plan_name	<b>Management Plan Name</b>	Char (2000)	The name of the plan in place.
cpr_plan	<b>CPR Plan</b>	Char (2000)	The Central Plan Register identifier(s) that relate to this reserve.
acceptable_risk_level	<b>Acceptable Risk Level</b>	Char (11)	The level of public risk that is accepted for a visitor site as

			defined by the PWS Visitor Risk Management Policy. Classes include Neutral (none or very little risk), Moderate, Substantial or Severe (any risk).
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