

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
Generic Attributes (contained in most layers)			
site_code	Site Code	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	Site Name	Char (30)	Every feature is attached to a site which has a descriptive name.
feature_location	Asset Name	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	Asset Type Code	Char (4)	The unique classification code for this feature, eg. SNBO.
feature_type_name	Asset Type	Char (30)	The descriptive name for the feature type code, eg. Sign-Boundary.
feature_group_name	Asset Group	Char (30)	The descriptive name of the feature group for this feature, eg. Signage
feat_cent_east	Easting	Decimal (10,2)	The centroid X of the feature, in GDA94 Zone 55.
feat_cent_north	Northing	Decimal (10,2)	The centroid Y of the feature, in GDA94 Zone 55.

feature_start_date	Start Date	Datetime	The built or the purchase date of the feature, may default to 1/1/1970 if unknown.
feature_end_date	End Date	Datetime	The predicted or the actual end of life date for the feature, if stated.
contract_area_name	Field Centre	Char (30)	The descriptive name of the attached PWS field centre.
central_asset_id	Central Asset ID	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	Last Inspected	Datetime	When the feature was last inspected from a condition survey.
condition_class	Condition Class	Char (2000)	The condition of the feature from the last survey, such as Excellent, Good, Failed etc.
condition_notes	Condition Notes	Char (2000)	Any additional comments on the condition from last survey.
Attributes (Administration sub-group)			
Layers: Region (PWS)			
ward_name	Region	Char (30)	The descriptive name of the attached PWS Region.
Attributes (Asset Operations sub-group)			
Layers: AIP Infrastructure, Asbestos Register, Critical Assets, Defects, Enquiries, Jobs Raised, Jobs Committed, Jobs Completed, Plant and Equipment, RSIP Infrastructure			
AIP	AIP Code	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	RSIP Code	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	Criticality	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	Asbestos Identified	Datetime	When the asbestos or asbestos containing materials (ACM)

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

customer_reference	Customer Reference	Char (20)	Is used as parent job identifier to link parent and child jobs.
cost_code_name	Cost Code Name	Char (30)	The name of the responsible financial entity, usually the attached PWS field centre.
job_status	Job Status	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	Allocated Officer	Char (30)	The name of the PWS employee tasked with the job.
estimated_state_date	Estimated State Date	Datetime	The date when the job should start.
actual_start_date	Actual Start Date	Datetime	When the job actually started.
estimated_completion_date	Estimated Completion Date	Datetime	The date when the job is envisaged to be completed.
target_complete_date	Target Complete Date	Datetime	The date when the job should be completed by.
actual_complete_date	Actual Complete Date	Datetime	When the job is actually completed.
job_easting	Job Easting	Decimal (10,2)	The centroid X of the defect in GDA94 Zone 55.
job_northing	Job Northing	Decimal (10,2)	The centroid Y of the defect in GDA94 Zone 55.
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enquiry_number	Enquiry Number	Decimal (8,0)	The unique identifier for an enquiry (aka issue).
enquiry_desc	Enquiry Description	Char (2000)	The description of the enquiry.
enquiry_location	Enquiry Location	Char (2000)	If required, more precise details of the location of the enquiry.
service_code	Service Code	Char (4)	The unique classification code of the enquiry, eg. ERPL
service_name	Service Name	Char (30)	The descriptor for the service code eg. Pollution.
subject_code	Subject Code	Char (4)	The unique sub-classification code for the enquiry, eg. EGWF
subject_name	Subject Name	Char (30)	The descriptor for the subject code eg. Rubbish & Hazardous Waste.
logged_date	Logged Date	Datetime	When the enquiry was recorded in the system.
logged_by	Logged By	Char (10)	The computer login of the PWS employee entering the enquiry
enquiry_status	Enquiry Status	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	Enquiry Easting	Decimal (10,2)	The centroid X of the enquiry in GDA94 Zone 55.
enquiry_northing	Enquiry Northing	Decimal (10,2)	The centroid Y of the enquiry in GDA94 Zone 55.
Attributes (Environmental Condition sub-group)			
Layers: Priority Weeds			
common_name	Common Name	Char (30)	The common or local name of the species, eg. Blackberry
species_name	Species Name	Char (30)	The associated species name, eg. <i>Rubus fruticosus</i>
Attributes (Infrastructure sub-group)			
Layers: Heritage Features, Roads, Road Structures, Walking Tracks			
thpi_number	THPI Number	Char (2000)	The unique Tasmanian Historic Places Inventory number. This and the former Access database are legacy products.
heritage_significance	Heritage Significance	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	Length in Metres	Decimal (12,2)	The computed measure of a linear feature in metres usually a road or a walking track.
safe_weight_limit	Safe Weight Limit	Decimal (10,2)	The maximum weight limit for a road bridge or culvert, in kilograms.
list_class	LIST Class	Char (30)	The road class from The LIST, eg. Access Road, Local Road etc
ft_class	STT Class	Char (30)	The road class (of 6) from the Tasmanian Reserve Management Code of Practice, eg. Class 1, Class 2 etc.

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