



Resources online – spatial upload formats

Programme of Work

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Introduction

The Department of Mines, Petroleum and Exploration (DMPE) supports the online spatial lodgement of **Programmes of Work (PW)** through the **Resources Online (RO)** system. This system allows proponents to draw or upload spatial data for proposed activities, creating a more efficient and user-friendly application experience.

To ensure your data is correctly processed, spatial files must follow a specific structure. This document outlines the requirements for uploading spatial data, including supported formats, accepted coordinate systems, and the required table structure for each activity type.

Supported file formats

The following spatial data formats are accepted:

- **Shapefile - ESRI ArcGIS** (excluding Z and/or M type shapefiles)
- **TAB File - MapInfo**

Required file components

Each format must include the following files as a minimum:

Format	Required Components
Shapefile	• .dbf (attribute data) • .prj (coordinate system and projection) • .shp (feature geometry)
TAB file	• .DAT (attribute data) • .ID (links graphic data to database information) • .MAP (graphic and geographic information) • .TAB (link to all data files)

Supported coordinate systems

Spatial data must use one of the following coordinate systems:

- **GDA94** (Geocentric Datum of Australia 1994)
- **GDA2020** (Geocentric Datum of Australia 2020)
- **GDA94 MGA Zones 47–52** (UTM Map Grid of Australia)
- **GDA2020 MGA Zones 47–52** (UTM Map Grid of Australia)

Uploaded data must clearly define its coordinate system. Files with unsupported or undefined coordinate systems will not be accepted and must be reprojected into one of the supported formats listed above.

Supported activity types

The following activity types can be uploaded using the spatial upload tool:

- Drilling (point, line, polygon)
- Costean
- Excavation
- Test Pits
- Tracks
- Campsite
- Core sample farm
- Surface disturbance

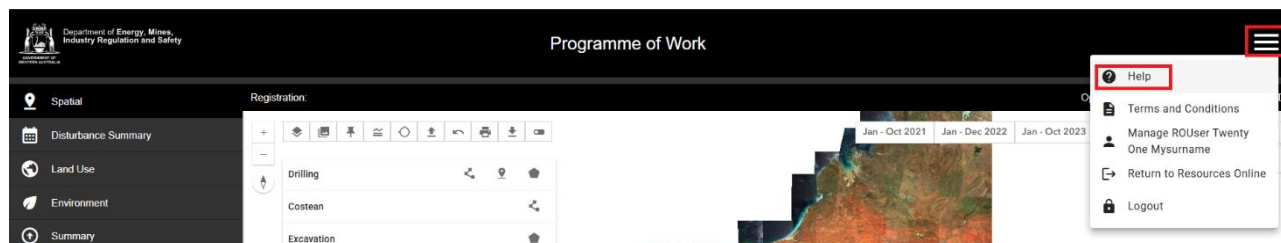
Each activity type must be uploaded with a spatial file that includes the required table structure and attribute data.

Data validation and requirements

Spatial files must include all required fields and follow the table structure outlined for each activity type. The RO system will validate uploaded data and return errors if the required format, types, or field values are not met.

Further assistance

For detailed guidance on uploading spatial files, refer to the **Programmes of Work Lodgement User Guide**, available by selecting **Help** in the top-right menu (three horizontal lines icon) within the RO system (spatial step).



Enquiries may also be directed to PoWSpatial@dmpe.wa.gov.au.

Table structures

The following tables define the required structure for each activity type. Each field must match the specified format, type, and—where applicable—allowed values. The **‘Field Requirements’** column indicates whether a field is mandatory, optional, or conditionally required based on other values. It also provides special instructions such as expected input formats, coded values, and value constraints. Fields marked as **‘Conditional’** must

be completed **only when certain conditions are met (e.g. based on the value of another field)**.

Please review the '**Field Requirements**' column carefully to ensure your data is complete and valid, and that your spatial files fully comply with the table structures provided. Submissions that do not meet these requirements may be rejected by the system.

Drilling

Drill point

POW Activity Type	Drilling
Shapefile	Point
Description	A single drill hole point and pad

Table structure

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
NAME	Name	Text	50	Character	50	—	Optional
TARGET	Exploration Target	Text	20	Character	20	Mineral Water	Mandatory
DRILL_TYPE	Drill Type	Text	50	Character	50	Auger Air Core Diamond Core Other Reverse Circulation Rotary Air Blast Rotary Mud Sonic Vacuum	Mandatory
DT_OTHER	Drill Type Other	Text	50	Character	50	—	Conditional — only if DRILL_TYPE = Other Enter non- standard drilling type description
DEPTH	Max Depth (m)	Double	N/A	Decimal	N/A	0.01 to 9999	Mandatory Min. value 0.01m Max. value 9,999m

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
PAD_COUNT	Pad	Long Integer	N/A	Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
PAD_L	Pad Length (m)	Double	N/A	Decimal	N/A	0 to 99	Mandatory Min. value 0m Max. value 99m If no pads, enter 0m
PAD_W	Pad Width (m)	Double	N/A	Decimal	N/A	0 to 99	Mandatory Min. value 0m Max. value 99m If no pads, enter 0m
INFILL	Infill Resource	Long Integer	N/A	Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
GW	Encounter Groundwater	Long Integer	N/A	Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
SUMP	Sump	Long Integer	N/A	Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
SUMP_L	Sump Length (m)	Double	N/A	Decimal	N/A	0 to 99	Conditional — only if SUMP = 1 Min. value 0m Max. value 99m
SUMP_W	Sump Width (m)	Double	N/A	Decimal	N/A	0 to 99	Conditional — only if SUMP = 1 Min. value 0m Max. value 99m

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
SUMP_D	Sump Depth (m)	Double	N/A	Decimal	N/A	0 to 99	Conditional — only if SUMP = 1 Min. value 0m Max. value 99m
SUMP_INPAD	Sump Within Pad	Long Integer	N/A	Integer	N/A	0 1	Conditional — only if SUMP = 1 0=No 1=Yes
CUT_FILL	Cut and Fill	Long Integer	N/A	Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
CF_SLOPE	Cut and Fill Slope Degrees	Double	N/A	Decimal	N/A	0 to 89	Conditional — only if CUT_FILL = 1 Min. value 0 deg Max. value 89 deg
CF_BD	Cut and Fill Bulk Density	Double	N/A	Decimal	N/A	0.01 to 9	Conditional — only if CUT_FILL = 1 Min. value 0.01 Max. value 9
COMMENTS	Comments	Text	254	Character	254	—	Optional
BUFFER_M	Buffer (m)	Long Integer	N/A	Integer	N/A	1-999	Optional — defaults to 20m Min. value 1m Max. 999
USER_TON	User Tonnes	Double	N/A	Decimal	N/A	0 to 99999	Optional Min. value 0t Max. value 99,999t
USER_TON_R	User Tonnes Reason	Text	100	Character	100	—	Conditional — only if USER_TON field present and > 0

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
TENEMENT_I	Tenement	Text	20	Character	20	—	Optional Enter in formatted tenement id (e.g. E 45/6038) Live tenements only

Drill line

POW Activity Type	Drilling
Shapefile	Line
Description	One or more drill holes along a drill line

Table Structure

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
NAME	Name	Text	50	Character	50	—	Optional
TARGET	Exploration Target	Text	20	Character	20	Mineral Water	Mandatory
DRILL_TYPE	Drill Type	Text	20	Character	50	Auger Air Core Diamond Core Other Reverse Circulation Rotary Air Blast Rotary Mud Sonic Vacuum	Mandatory
DT_OTHER	Drill Type Other	Text	50	Character	50	—	Conditional — only if DRILL_TYPE = Other Enter non- standard drilling type description
HOLE_COUNT	Hole Count	Long Integer	N/A	Integer	N/A	1 to 99999	Mandatory Min. value 1 Max. value 99,999

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
DEPTH	Max Depth (m)	Double	N/A	Decimal	N/A	0.01 to 9999	Mandatory Min. value 0.01m Max. value 9,999m
TRACK_L	Track Length (m)	Double	N/A	Decimal	N/A	0 to 999999	Optional Max. value 999,999m
TRACK_W	Track Width (m)	Double	N/A	Decimal	N/A	0 to99	Conditional — only if TRACK_L > 0 Max. value 99m
PAD_COUNT	Pad Count	Long Integer	N/A	Integer	N/A	0 to9999	Mandatory Min. value 0m If no pads, enter 0m
PAD_L	Pad Length (m)	Double	N/A	Decimal	N/A	0 to 99	Mandatory Min. value 0m Max. value 99m If no pads, enter 0m
PAD_W	Pad Width (m)	Double	N/A	Decimal	N/A	0 to 99	Mandatory Min. value 0m Max. value 99m If no pads, enter 0m
INFILL	Infill Resource	Long Integer	N/A	Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
MIN_SPAC	Hole Min Spacing (m)	Double	N/A	Decimal	N/A	1 to 9999	Mandatory Min. value 1m Max. value 9,999m
GW	Encounter Groundwater	Long Integer	N/A	Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
SUMP	Sump	Long Integer	N/A	Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
SUMP_L	Sump Length (m)	Double	N/A	Decimal	N/A	0 to 99	Conditional — only if SUMP = 1 Min. value 0m Max. value 99m
SUMP_W	Sump Width (m)	Double	N/A	Decimal	N/A	0 to 99	Conditional — only if SUMP = 1 Min. value 0m Max. value 99m
SUMP_D	Sump Depth (m)	Double	N/A	Decimal	N/A	0 to 99	Conditional — only if SUMP = 1 Min. value 0m Max. value 99m
SUMP_INPAD	Sump Within Pad	Long Integer	N/A	Integer	N/A	0 1	Conditional — only if SUMP = 1 0=No 1=Yes
SUMP_COUNT	Sump Count	Long Integer	N/A	Integer	N/A	0 to 99	Conditional — only if SUMP = 1
CUT_FILL	Cut and Fill	Long Integer	N/A	Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
CF_SLOPE	Cut and Fill Slope Degrees	Double	N/A	Decimal	N/A	0 to 89	Conditional — only if CUT_FILL = 1 Min. value 0 deg Max. value 89 deg

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
CF_COUNT	Cut and Fill Pad Count	Long Integer	N/A	Integer	N/A	0 to 99	Only if CUT_ FILL = 1
CF_BD	Cut and Fill Bulk Density	Double	N/A	Decimal	N/A	0.01 to 9	Conditional — only if CUT_FILL = 1 Default value 1.5 Min. value 0.01 Max. value 9
COMMENTS	Comments	Text	254	Character	254	—	Optional
BUFFER_M	Buffer (m)	Long Integer	N/A	Integer	N/A	1-999	Optional — defaults to 20m Min. value 1m Max. 999
USER_TON	User Tonnes	Double	N/A	Decimal	N/A	0 to 99999	Optional Min. value 0t Max. value 99,999t
USER_TON_R	User Tonnes Reason	Text	100	Character	100	—	Conditional — only if USER_TON field present and > 0
TENEMENT_I	Tenement	Text	20	Character	20	—	Optional Enter in formatted tenement id (e.g. E 45/6038) Live tenements only

Drill polygon

POW Activity Type	Drilling
Shapefile	Polygon
Description	One or more drill holes in a drilling area

Table structure

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
NAME	Name	Text	50	Character	50	—	Optional
TARGET	Exploration Target	Text	20	Character	20	Mineral Water	Mandatory
DRILL_TYPE	Drill Type	Text	20	Character	50	Auger Air Core Diamond Core Other Reverse Circulation Rotary Air Blast Rotary Mud Sonic Vacuum	Mandatory
DT_OTHER	Drill Type Other	Text	50	Character	50	—	Conditional — only if DRILL_TYPE = Other Enter non- standard drilling type description
HOLE_COUNT	Hole Count	Long Integer	N/A	Integer	N/A	1 to 99999	Mandatory Min. value 1 Max. value 99,999
DEPTH	Max Depth (m)	Double	N/A	Decimal	N/A	0.01 to 9999	Mandatory Min. value 0.01m Max. value 9,999m

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
TRACK_L	Track Length (m)	Double	N/A	Decimal	N/A	0 to 999999	Optional Max. value 999,999m
TRACK_W	Track Width	Double	N/A	Decimal	N/A	0 to 99	Conditional — only if TRACK_L > 0 Max. value 99m
PAD_COUNT	Pad Count	Long Integer	N/A	Integer	N/A	0 to 9999	Mandatory Min. value 0 Max. value 9999 If no pads, enter 0
PAD_L	Pad Length (m)	Double	N/A	Decimal	N/A	0 to 99	Mandatory Min. value 0m Max. value 99m If no pads, enter 0m
PAD_W	Pad Width (m)	Double	N/A	Decimal	N/A	0 to 99	Mandatory Min. value 0m Max. value 99m If no pads, enter 0m
INFILL	Infill Resource	Long Integer	N/A	Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
MIN_SPAC	Hole Min Spacing (m)	Double	N/A	Decimal	N/A	1 to 9999	Mandatory Min. value 1m Max. value 9,999m
GW	Encounter Groundwater	Long Integer	N/A	Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
SUMP	Sump	Long Integer	N/A	Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
SUMP_L	Sump Length (m)	Double	N/A	Decimal	N/A	0 to 99	Conditional — only if SUMP = 1 Min. value 0m Max. value 99m
SUMP_W	Sump Width (m)	Double	N/A	Decimal	N/A	0 to 99	Conditional — only if SUMP = 1 Min. value 0m Max. value 99m
SUMP_D	Sump Depth (m)	Double	N/A	Decimal	N/A	0 to 99	Conditional — only if SUMP = 1 Min. value 0m Max. value 99m
SUMP_INPAD	Sump Within Pad	Long Integer	N/A	Integer	N/A	0 1	Conditional — only if SUMP = 1 0=No 1=Yes
SUMP_COUNT	Sump Count	Long Integer	N/A	Integer	N/A	1 to 99	Conditional — only if SUMP = 1
CUT_FILL	Cut and Fill	Long Integer	N/A	Integer	N/A	01	Not Mandatory Default value 0 0=No 1=Yes
CF_SLOPE	Cut and Fill Slope Degrees	Double	N/A	Decimal	N/A	0 to 89	Conditional — only if CUT_FILL = 1 Min. value 0 deg Max. value 89 deg
CF_COUNT	Cut and Fill Count	Long Integer	N/A	Integer	N/A		Only if CUT_ FILL = 1

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
CF_BD	Cut and Fill Bulk Density	Double	N/A	Decimal	N/A	0.01 to 9	Conditional — only if CUT_FILL = 1 Default value 1.5 Min. value 0.01 Max. value 9
COMMENTS	Comments	Text	254	Character	254	—	Optional
BUFFER_M	Buffer (m)	Long Integer	N/A	Integer	N/A	0-999	Optional — defaults to 0m Min. value 0m Max. 999
USER_TON	User Tonnes	Double	N/A	Decimal	N/A	0 to 99999	Optional Min. value 0t Max. value 99,999t
USER_TON_R	User Tonnes Reason	Text	100	Character	100	—	Conditional — only if USER_TON field present and > 0
TENEMENT_I	Tenement	Text	20	Character	20	—	Optional Enter in formatted tenement id (e.g. E 45/6038) Live tenements only

Costean

POW Activity Type	COSTEAN
Shapefile	Line
Description	A line representing an excavation costean

Table structure

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
NAME	Name	Text	50	Character	50	—	Optional
WIDTH	Average Width (m)	Double	N/A	Decimal	N/A	0.01 to 99	Mandatory Min. value 0.01m Max. value 99m
DEPTH	Depth (m)	Double	N/A	Decimal	N/A	0.01 to 999	Mandatory Min. value 0.01m Max. value 999m
BD	Bulk Density	Double	N/A	Decimal	N/A	0.01 to 9	Mandatory Default value 1.5 Min. value 0.01 Max. value 9
COMMENTS	Comments	Text	254	Character	254	—	Optional
BUFFER_M	Buffer (m)	Long Integer	N/A	Integer	N/A	1-999	Optional — defaults to 20m Min. value 1m Max. 999
USER_TON	User Tonnes	Double	N/A	Decimal	N/A	0 to 99999	Optional Min. value 0t Max. value 99,999t
USER_TON_R	User Tonnes Reason	Text	100	Character	100	—	Conditional — only if USER_TON field present and > 0
TENEMENT_I	Tenement	Text	20	Character	20	—	Optional Enter in formatted tenement id (e.g. E 45/6038) Live tenements only

Excavation

POW Activity Type	EXCAVATION
Shapefile	Polygon
Description	A polygon area representing an excavation

Table structure

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
NAME	Name	Text	50	Character	50	—	Optional
DIST_TYPE	Disturbance Type	Text	50	Character	50	Borrow Pit Bulk Sampling Hostile Material Disposal Pit Other Scrape Detect Small Shaft Test Pit	Mandatory
DIST_TYPEO	Disturbance Type Other	Text	50	Character	50	—	Conditional — only if DIST_TYPE = Other Enter non-standard disturbance type description
PRO_TYPE	Processing Type	Text	20	Character	20	Alluvial Wet Plant Dryblowing Small Plant Other None	Mandatory
PRO_TYPEO	Processing Type Other	Text	50	Character	50	—	Conditional — only if PRO_TYPE = Other Enter non-standard processing type description

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/ Range	Field Requirements
		Field Type	Length	Field Type	Length		
DEPTH	Depth (m)	Double	N/A	Decimal	N/A	0.01 to 999	Mandatory Min. value 0.01m Max. value 999m
REMOVED_T O	Removed Tonnes	Double	N/A	Decimal	N/A	0 to 99999	Optional Max. value 99,999m
BD	Bulk Density	Double	N/A	Decimal	N/A	0.01 to 9	Mandatory Default value 1.5 Min. value 0.01 Max. value 9
COMMENTS	Comments	Text	254	Character	254	—	Optional
BUFFER_M	Buffer (m)	Long Integer	N/A	Integer	N/A	0-999	Optional — defaults to 50m Min. value 0m Max. 999
USER_TON	User Tonnes	Double	N/A	Decimal	N/A	0 to 99999	Optional Min. value 0t Max. value 99,999t
USER_TON_ R	User Tonnes Reason	Text	100	Character	100	—	Conditional — only if USER_TON field present and > 0
TENEMENT_I	Tenement	Text	20	Character	20	—	Optional Enter in formatted tenement id (e.g. E 45/6038) Live tenements only

Test pit

POW Activity Type	TEST_PIT
Shapefile	Polygon
Description	One or more test pits in an area

Table structure

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/Range	Field Requirements
		Field Type	Length	Field Type	Length		
NAME	Name	Text	50	Character	50	—	Optional
COUNT	Test Pit Count	Long Integer	N/A	Integer	N/A	1 to 9999	Mandatory Min. value 1 Max. value 9999
WIDTH	Average Width (m)	Double	N/A	Decimal	N/A	0.01 to 99	Mandatory Min. value 0.01m Max. value 99m
LENGTH	Average Length (m)	Double	N/A	Decimal	N/A	0.01 to 99	Mandatory Min. value 0.01m Max. value 99m
DEPTH	Average Depth (m)	Double	N/A	Decimal	N/A	0.01 to 999	Mandatory Min. value 0.01m Max. value 999m
BD	Bulk Density	Double	N/A	Decimal	N/A	0.01 to 9	Mandatory Default value 1.5 Min. value 0.01 Max. value 9
MIN_SPAC	Min Spacing (m)	Double	N/A	Decimal	N/A	1 to 9999	Mandatory Min. value 1m Max. value 9,999m
TRACK_L	Track Length (m)	Double	N/A	Decimal	N/A	0 to 999999	Optional Max. value 999,999m

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/Range	Field Requirements
		Field Type	Length	Field Type	Length		
TRACK_W	Track Width (m)	Double	N/A	Decimal	N/A	0 to 99	Conditional — only if TRACK_L > 0 Max. value 99m
CUT_FILL_T	Cut and Fill Tracks	Long Integer	N/A	Small Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
CFT_SLOPE	Cut and Fill Track Slope Degrees	Double	N/A	Decimal	N/A	0 to 89	Conditional — only if CUT_FILL_T = 1 Min. value 0 deg Max. value 89 deg
CFT_BD	Cut and Fill Tracks Bulk Density	Double	N/A	Decimal	N/A	0.01 to 9	Conditional — only if CUT_FILL_T = 1 Default value 1.5 Min. value 0.01 Max. value 9
REMOVED_TO	Removed Tonnes	Double	N/A	Decimal	N/A	0 to 99999	Optional Max. value 99,999m
COMMENTS	Comments	Text	254	Character	254	—	Optional
BUFFER_M	Buffer (m)	Long Integer	N/A	Integer	N/A	0-999	Optional — defaults to 0m Min. value 0m Max. 999
USER_TON	User Tonnes	Double	N/A	Decimal	N/A	0 to 99999	Optional Min. value 0t Max. value 99,999t
USER_TON_R	User Tonnes Reason	Text	100	Character	100	—	Conditional — only if USER_TON field present and > 0

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/Range	Field Requirements
		Field Type	Length	Field Type	Length		
TENEMENT_I	Tenement	Text	20	Character	20	—	Optional Enter in formatted tenement id (e.g. E 45/6038) Live tenements only

Track

POW Activity Type	TRACK
Shapefile	Line
Description	A line representing a single track

Table structure

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/Range	Field Requirements
		Field Type	Length	Field Type	Length		
NAME	Name	Text	50	Character	50	—	Optional
TRACK_TYPE	Track Type	Text	50	Character	50	Existing – Authorised under prior PoW Existing - Other New	Mandatory
TYPE_POW	Track PoW Id	Text	50	Character	50	—	Conditional — only if TRACK_ TYPE = 'Existing – Authorised under prior PoW' Enter Registration ID of the POW existing track was approved under
TYPE_OTHER	Track Source	Text	50	Character	50	—	Conditional — only if TRACK_ TYPE = 'Existing - Other' Enter the source of the track e.g. Pastoral Track
WIDTH	Average Width (m)	Double	N/A	Decimal	N/A	1 to 99	Conditional — only if TRACK_ TYPE = 'New' Min. value 1m Max. value 99m

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/Range	Field Requirements
		Field Type	Length	Field Type	Length		
CUT_FILL	Cut and Fill	Long Integer	N/A	Small Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
CF_SLOPE	Cut and Fill Slope Degrees	Double	N/A	Decimal	N/A	0 to 89	Conditional — only if CUT_FILL = 1 Min. value 0 deg Max. value 89 deg
CF_BD	Cut and Fill Bulk Density	Double	N/A	Decimal	N/A	0.01 to 9	Conditional — only if CUT_FILL = 1 Min. value 0.01 Max. value 9
CAUSEWAY	Causeway	Long Integer	N/A	Small Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
C_HEIGHT	Causeway Height (m)	Double	N/A	Small Integer	N/A	0 to 99	Conditional — only if CAUSEWAY = 1
COMMENTS	Comments	Text	254	Character	254	—	Optional
BUFFER_M	Buffer (m)	Long Integer	N/A	Integer	N/A	0-999	Optional — defaults to 20m Min. value 0m Max. 999
TENEMENT_I	Tenement	Text	20	Character	20	—	Optional Enter in formatted tenement id (e.g. E 45/6038) Live tenements only

Campsite

POW Activity Type	CAMPSITE
Shapefile	Polygon
Description	A polygon area representing a camp

Table structure

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/Range	Field Requirements
		Field Type	Length	Field Type	Length		
NAME	Name	Text	50	Character	50	—	Optional
CAMP_TYPE	Camp Type	Text	20	Character	20	Fixed Mobile	Mandatory
COMMENTS	Comments	Text	254	Character	254	—	Optional
BUFFER_M	Buffer (m)	Long Integer	N/A	Integer	N/A	0-999	Optional — defaults to 20m Min. value 0m Max. 999
TENEMENT_I	Tenement	Text	20	Character	20	—	Optional Enter in formatted tenement id (e.g. E 45/6038) Live tenements only

Core sample farm

POW Activity Type	CORE_SAMPLE_FARM
Shapefile	Polygon
Description	A polygon area representing a core or bag sample farm/storage

Table structure

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/Range	Field Requirements
		Field Type	Length	Field Type	Length		
NAME	Name	Text	50	Character	50	—	Optional
SAMPLE_TYP	Sample Type	Text	20	Character	20	Bags/Drums Both Core	Mandatory
SEMI_PERM	Semi-Permanent Structure	Long Integer	N/A	Small Integer	N/A	0 1	Not Mandatory Default value 0 0=No 1=Yes
COMMENTS	Comments	Text	254	Character	254	—	Optional
BUFFER_M	Buffer (m)	Long Integer	N/A	Integer	N/A	0-999	Optional — defaults to 20m Min. value 0m Max. 999
TENEMENT_I	Tenement	Text	20	Character	20	—	Optional Enter in formatted tenement id (e.g. E 45/6038) Live tenements only

Surface disturbance

POW Activity Type	SURFACE_DISTURBANCE
Shapefile	Polygon
Description	A polygon area representing any other surface disturbance not covered by the

Table structure

Field Name	Alias	ESRI Shapefile		MapInfo TAB File		Values/Range	Field Requirements
		Field Type	Length	Field Type	Length		
NAME	Name	Text	50	Character	50	—	Optional
DIST_TYPE	Disturbance Type	Text	20	Character	20	Laydown Other	Mandatory
DIST_TYPEO	Disturbance Type Other	Text	50	Character	50	—	Conditional — only if DIST_TYPE = 'Other' Explain non-standard disturbance
COMMENTS	Comments	Text	254	Character	254	—	Optional
BUFFER_M	Buffer (m)	Long Integer	N/A	Integer	N/A	0-999	Optional — defaults to 20m Min. value 0m Max. 999
TENEMENT_I	Tenement	Text	20	Character	20	—	Optional Enter in formatted tenement id (e.g. E 45/6038) Live tenements only