

■ Reconcilor

Release Notes

Reconcilor v9.3

© Snowden Pty. Ltd. All rights reserved.

Table of Contents

What's New for Reconcilor 9.3.....	2
<i>TICKETS RESOLVED.....</i>	<i>2</i>
Extending the attribute sets	2
Wet and Dry tonnes.....	3
Material types and Lithology types	3
New Comparison: Stockpile Delta	3
<i>Deleting model survey and mine plans.....</i>	<i>3</i>
<i>Enhancements</i>	<i>4</i>
More Information	5
RESOLVED TICKETS – Reconcilor v9.3	6
<i>Resolved Tickets.....</i>	<i>6</i>

WHAT'S NEW FOR RECONCILOR 9.3

Reconcilor embeds and integrates the knowledge from our mining engineers, geologists, metallurgists and planners and when it is used to standardise operations across multiple sites, it enables sophisticated analysis and guidance to trouble-shoot and optimise multiple sites.

Snowden's Reconcilor has been developed to deliver this as a COTS (Commercial Off-the-Shelf) offering, with the added potential to enhance or supersede the existing functionality present in earlier versions of the product. Reconcilor assists key stakeholders on site and at head office to quickly see how operations are performing, get early notification of any issues and take action to resolve them.

This is a **major version** update for Reconcilor. It is focused on:

- Extending the attribute sets for all imports
- Updating the Continuum and Material Movement screens for extended attributes
- Wet and dry tonnes on all analysis screens
- Material types and lithology types to be updated through the user interface
- New comparison: Stockpile Delta

Enhancements to the following are included:

- Custom calendar
- Import settings and management
- Reporting module
- Performance
- Stockpile management

TICKETS RESOLVED

Extending the attribute sets

There is now no limitation on the number of attributes that can be imported into Reconcilor via all imports.

The full set of attributes are available on the Continuum and the Material Movement screens. A future version will update the remaining analysis screens to show the full attribute set.

- Continuum - Extended Attributes are now available through the Configure Data icon
- Material Movement - Extended Attributes are now available through the Configure Data icon
- Stockpile Balance Calculators use revised grade and attribute weighting basis
- Custom Attribute Management allows for Categorical Attribute Groups
- Mine Plan import: Supports extended attributes
- Stockpile Import: supports extended attributes
- Stockpile Management - Add or Edit Stockpile supports extended attributes
- Data Health updated to include all attribute value validations

Wet and Dry tonnes

Reconcilor now supports both wet and dry tonnes throughout the import process and through the user interface. This will allow users to be explicit in their datasets and reporting. Moisture is used for any calculations between wet and dry tonnes when only one is supplied. Default Moisture (set through the application settings) will be used if it is not available.

- Mine Plan Import - calculation of wet and dry-tonnes
- Continuum - Wet and Dry Tonnes as selectable attributes
- Trends Analysis and Model Comparison Modules - Supports wet and dry tonnes
- Stockpile Balance – Supports wet and dry tonnes
- Stockpile Adjustment schema and import update to clarify wet tonnes
- Stockpile Analysis screen - Supports wet and dry tonnes
- Stockpile Management screen - clarification of wet and dry tonnes labels
- Stockpile Edit Screen - clarification of wet tonnes
- Stockpile Adjustment Screen - clarification of wet tonnes
- Bulk Adjustment Screen - clarification of wet tonnes
- Comparison Value Calculators: Compute and Store both Wet and Dry tonnes

Material types and Lithology types

Reconcilor now allows users, with appropriate permissions, to add new material types or lithology types through the Configuration module. Editing of existing material types and lithology types is also available. Users will not be able to delete a material type that has been used on a movement record.

- Material Type Management
- Lithology Type Management
- Add support for product types as subset of material types

New Comparison: Stockpile Delta

During monthly reporting, users are often required to report the change in stockpile balances. Reconcilor now has the option to show the Stockpile Delta for a period as a comparison value type, or have the Stockpile Delta be used in a reporting calculation.

- Stockpile Delta Comparison Value

Deleting model survey and mine plans

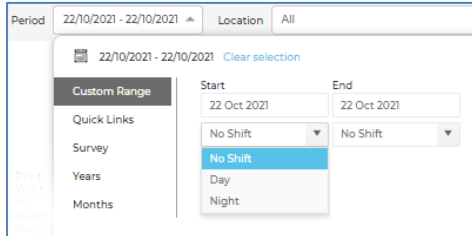
Reconcilor now allows the deletion of an imported model survey or mine plan through the Reconcilor Tasks > Activations screens:

- Delete model survey data through the Model Activation screen
- Delete mine plan data through the Plan Activation screen

Enhancements

Custom calendar

- Custom Calendar – now has the option to include shift



The screenshot shows a web interface for a custom calendar. At the top, there are fields for 'Period' (22/10/2021 - 22/10/2021) and 'Location' (All). Below this is a 'Custom Range' section with 'Start' and 'End' date pickers, both set to 22 Oct 2021. To the right of the date pickers are two dropdown menus for selecting a shift. The first dropdown is currently open, showing options: 'No Shift' (highlighted), 'Day', and 'Night'. The second dropdown is also set to 'No Shift'. On the left side of the interface, there is a sidebar with navigation options: 'Custom Range', 'Quick Links', 'Survey', 'Years', and 'Months'.

- Automatic verification and generation of time periods

Import settings and management

- Data Health - deactivate or delete survey errors
- Import Activity usability improvements
- Import Health usability improvements
- Import Definition Tool: Ability to export a mapping revision template
- Import Framework - Support for multiple web service requests from 1 import job
- Imported mine plans do not activate if there is any period overlap

Performance

- Screen refresh improvements
- Avoid raising changed records for movements in approved periods
- Analysis Modules - static files can be retrieved from browser cache

Stockpile management

Some minor enhancements to the stockpile management screen to improve usability:

- After navigating to a specific adjustment through the stockpile management screen - the last record viewed is highlighted
- Stockpile management - default Status field value should be Open
- Stockpile management summary screen is now to bench level.

Other

- Provide totals on analysis screen tables
- Analysis tables - add capability to save column filters, sorting and visibility state
- Material Movements - New metric REHANDLE (Stockpile to Stockpile movements)
- Stockpile management - add status to grid or filter
- Chrome Tab naming conventions
- Online Guidance - System Health notifications
- User roles: make permission names more user-friendly
- Grade block list screen – modifications to data displayed
- Grade block screen - view grade block attributes
- Grade block list screen: Model Comparison usability enhancement

MORE INFORMATION

The following general resources are available to help you use your product:

- **Integrated Online Guidance:** your product online guidance (information icon in top right of the User Interface Shell) is your first stop for assistance and contains a wealth of information, including the latest information about this version.
- **Online video tutorials:** check out our YouTube channel for video tutorials for step-by-step guides to some of our more complex features.

<https://youtube.com/Reconcilor>

- **Support Portal:** The Datamine Support Portal allows you to get in touch with our global support teams for direct assistance with any software related issues.

<https://datamine.freshdesk.com/en/support/login>

The support portal also hosts the:

- Reconcilor FAQ's <https://datamine.freshdesk.com/en/support/solutions/Reconcilor/FAQ>
- Reconcilor Basic Troubleshooting
<https://datamine.freshdesk.com/en/support/solutions/Reconcilor/BasicTroubleshooting>
- **Latest version:** The latest 9.3 release version can be upgraded by contacting your Snowden Reconcilor consultant.

RESOLVED TICKETS – RECONCILOR V9.3



A new feature










An enhancement to an existing function or feature






The following tickets have been resolved since the last released version of Reconcilor:





















For more information on individual cases, please refer to your online guidance, or contact your local support representative.




















Resolved Tickets

ID	Type	Description
SM-1032		Provide totals on analysis screen tables
SM-1621		Delete survey data
SM-1679		Analysis Modules > Data Table: add capability to save column filters, sorting and visibility state
SM-1751		Stockpile management summary screen should be to bench level.
SM-1755		Stockpile management: After navigating to a specific adjustment through the stockpile management screen it would be good to navigate back and have the last record highlighted (similar to import health after viewing last import job)
SM-1756		Stockpile management: Stockpile Adjustments - add Close button to return to the previous open page
SM-1824		Enhancement - Import Definitions
SM-1932		Stockpile management - add status to grid or filter
SM-1957		Add support for product types as subset of material types
SM-1969		Grade block list screen
SM-1972		Grade block screen - view grade block attributes
SM-1981		ROADMAP: Material Types screen
SM-1982		ROADMAP: Lithology type screen
SM-1996		Chrome Tab naming convention

SM-2177		Control Point Import - retain imported source and destination locations
SM-2187		Grade block list screen: Model Comparison usability enhancement
SM-2205		Application Settings: Missing Mass Balancing Type
SM-2247		Report listing module for managing and launching reports
SM-2310		Stockpile Delta CVC
SM-2377		Data Health - deactivate or delete survey errors
SM-2388		Delete mine plan data
SM-2393		Verify ability to import dynamic attributes in Block and Model Cell Imports
SM-2394		Verify ability to import dynamic attributes in Movement based imports
SM-2398		Verify ability to import dynamic attributes in Stockpile Adjustment import
SM-2418		RawMovementResolution: Avoid raising changed records for movements in approved periods
SM-2437		User roles: make permission names more user-friendly
SM-2441		Move Reconcilor.Extended.WebApi solution into Reconcilor repository for more efficient workflow
SM-2446		Screen refresh appears to refresh shell and contents.
SM-2448		Custom Calendar - add shift
SM-2473		Additional Attributes - Database Schema
SM-2474		Imports - support for Attribute Sets in all imports that support additional attributes
SM-2475		Imports - Ensure import that support additional attributes support categorical values
SM-2476		Stockpile Adjustment Import - Support additional attributes functionality
SM-2477		MovementCalculators: Ensure extended attributes are included in the resolution (similar to grade)
SM-2478		Stockpile Balance Calculators - take into account additional attributes

SM-2480		Block Model CVC - Support for Extended Attributes
SM-2481		Movement CVC - Support for extended attributes
SM-2483		Reconcilor Engine: Removal of obsolete Attribute Sets
SM-2485		Continuum: Update to use relational database source for queries and support extended attributes
SM-2486		Material Movements - Updates to support extended attributes
SM-2516		Extend ImportParameter table to allow certain parameters to be displayed and filtered on Import Health/Activity
SM-2517		Import Activity usability improvements
SM-2518		Import Health usability improvements
SM-2527		Continuum - Extended Attributes
SM-2529		Material Movement - Extended Attributes
SM-2530		Material Type Management
SM-2531		Lithology Type Management
SM-2536		Custom Attribute Management (Categorical Groups)
SM-2546		Import Definition Tool: Verify that all functions are operational based on integration test
SM-2547		Import Definition Tool: Ability to export a mapping revision template
SM-2550		Mine Plan Import - calculation of wet and dry-tonnes
SM-2557		Online Guidance - 9.1.1 System Health notifications
SM-2565		Extended Attributes: Support for string and datetime attributes in association with movements and entities
SM-2566		Block and Model Cell Import: Ability to import extended string and datetime attributes
SM-2569		Extended Attributes: Ability to associate tag with a group of attributes
SM-2570		Extended Attributes: Code and Description for each attribute used in Import matching

SM-2571		Extended Attributes: Support HierarchyLevel and TypeCode for hierarchical attributes
SM-2572		Attribute Set aggregation: ensure attributes related to arbitrary string and datetime values are not included in aggregated sets
SM-2573		Attribute Set Aggregation: (Technical): Consolidate logic for proportional categorical and continuous
SM-2600		Import Framework - Support for multiple web service requests from 1 import job
SM-2606		Extended Attributes: Ability to import extended attributes in the Mine Plan import
SM-2621		Imported mine plans do not activate if there is any period overlap
SM-2631		Grade Block Screen: Model comparison table
SM-2633		Automatic verification and generation of time periods
SM-2639		Dynamic population of import parameter value selection lists
SM-2662		Stockpile management: default Status field value should be Open
SM-2663		Comparison Value Calculators: Compute and Store both Wet and Dry tonnes
SM-2664		Grade Schema: Weighting basis for each grade
SM-2666		Enhance Attribute Schema definition to expand set of quantity weighting types
SM-2670		Stockpile Balance Calculators use revised grade and attribute weighting basis
SM-2674		Continuum - Wet and Dry Tonnes as selectable attributes
SM-2675		Analysis Screens - Ensure Wet and Dry Tonnes values are obtained from dedicated fields where available
SM-2679		Trends Analysis and Model Analysis: Include Dry Tonnes and Wet Tonnes as specific measures
SM-2712		Extended Attribute Enhancements for grade mapping and query
SM-2718		Extended Attributes: Import mapping to include attribute group name
SM-2719		Extended Attributes: Continuum - ability to fallback to replacement attribute values

SM-2720		Extended Attributes: Ensure Attribute Group name is visible to user when choosing extended attributes
SM-2860		Stockpile Import: support extended attributes
SM-2922		Wet/Dry ComparisonValues Historical Calculation
SM-2942		Improvements/fixes to Attribute schema
SM-2966		Stockpile Management - Add or Edit Stockpile attributes
SM-2973		Attribute Value Validations
SM-3070		Update installer to turn on engine logging by default
SM-3104		Stockpile balance calculator should take into account Attribute > ExcludeFromSetMerges flag
SM-3125		Stockpile Balance explicit storage of both wet and dry tonnes + migration script
SM-3127		Stockpile Adjustment schema and import update to clarify wet tonnes
SM-3128		Stockpile Analysis Screen wet and dry tonnes
SM-3129		Stockpile list screen clarification of wet and dry tonnes labels
SM-3130		Stockpile Edit clarification of wet tonnes
SM-3131		Stockpile Adjustment Screen clarification of wet tonnes
SM-3132		Bulk Adjustment Screen clarification of wet tonnes
SM-3133		Analysis Modules - static files are not being retrieved from browser cache as expected
SM-3158		Stockpile Adjustments - Edit Stockpile attributes
SM-3296		Material Movements - New metric REHANDLE
SM-771		Page layout - gap below filter bar