

Reconcilor 9.10

Release Notes



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Overview

Reconcilor enables mine operators to reconcile their reserve estimates and predicted versus actual production from geological model to commodity production. Reconcilor delivers rigorous and systematic analyses of resource factors across the mine value chain that drive continuous improvement to obtain better geological and grade estimates, more accurate mining predictions, improved recoveries, maximisation of the resource, and reduction in risk due to unexpected metal loss. Used by managers, geologists, metallurgists, and engineers, this comprehensive solution includes geological model reconciliation, built-in data validation, intuitive analysis features, and comprehensive reporting. By automating data imports and validation, Reconcilor enables early detection of data issues, supports informed decision-making, and ultimately helps to lower costs and increase profitability.

Further Information

This document includes cumulative release notes for Reconcilor from version 9.8.

Release notes for other versions of Reconcilor are available via the Support Portal <https://www.dataminesoftware.com/support/> and the Datamine Documentation site <https://docs.dataminesoftware.com/Reconcilor/index.htm>

Additional Resources

The following general resources are available to help you use Reconcilor:

- **Integrated Online Help:** The information icon in top right of the Reconcilor user interface takes you to the version-specific online help for the screen you have open. The online help describes what each screen is used for and has links to step-by-step instructions for the processes you can do on that screen.
- **Datamine Documentation Website:** Home to the Reconcilor online help, release notes and system requirements.
<https://docs.dataminesoftware.com/Reconcilor/>
- **Online Video Tutorials:** Check out our YouTube channel for video tutorials for step-by-step guides to some of our more complex features.
<https://www.youtube.com/@DatamineSoftware/search?query=reconcilor>
- **Support Portal:** Use the Datamine Support Portal to get in touch with our global support teams for direct assistance with any software related issues.
<https://www.dataminesoftware.com/support/>

- **Latest version:** To upgrade to the latest release version, contact your Datamine Reconcilor consultant.

Feedback and Support

We value your feedback and are committed to continuously improving our product. If you encounter any issues or have suggestions for further enhancements, please contact our support team, and we will be glad to assist you.

Thank you for your ongoing support and trust in Reconcilor. We strive to provide you with a seamless and efficient experience, and this release is a testament to our dedication to delivering excellence in data management.

Sincerely,

The Reconcilor Team

Reconcilor 9.10 Release Notes

What's New for Reconcilor 9.10

The Reconcilor 9.10 release delivers a major upgrade with a strong focus on usability, data integrity, and analysis flexibility across the mining value chain. This version introduces powerful new features alongside practical enhancements to streamline workflows and improve decision-making.

Key New Features and Improvements

- **Embedded Analysis** – Reconcilor can now host dashboards from tools such as Microsoft Power BI or Tableau, allowing users to view and interact with external reports directly within the platform.
- **Global and Location data approval** – New workflows support formal review and approval of key datasets at either site or global levels, improving traceability and accountability.
- **Dynamic Continuum enhancements** – Improved readability, flexible layouts, and metric visibility controls for easier comparison analysis.
- **Grade Block screen refinements** – More accurate block percentage calculations and grouped model totals for model comparison.
- **Mining Analysis options** – Configurable production categories (Ore Mined, Ore + Waste, or Direct Feed + Stockpiling + Waste) for sites with different planning structures.
- **Mining Compliance Chart enhancements** – More flexible date handling, clearer compliance reporting, and unique colour coding.
- **Export to Excel** – New export options from Mining Analysis and Crusher Feed, including plan compliance metrics.
- **Online help access** – Direct links to rich documentation, videos, and learning content hosted on the Datamine Docs website.
- **Quick calendar links** – New *FY to Date* and *Month to Yesterday* options for faster, timeframe-aligned reporting.
- **Data Overview screen improvements** – Consolidated approval status visibility across periods and locations in a single view.



Reliability and performance fixes

- Corrected issues with **Data Health** sorting and filtering.
- Improved **Mining Compliance Chart** logic for planned vs. actual mining.
- Fixed configuration filter behaviour to properly respect global and private settings.
- Multiple defect fixes across **Continuum**, **Pivot View**, and configuration modules for improved stability and performance.

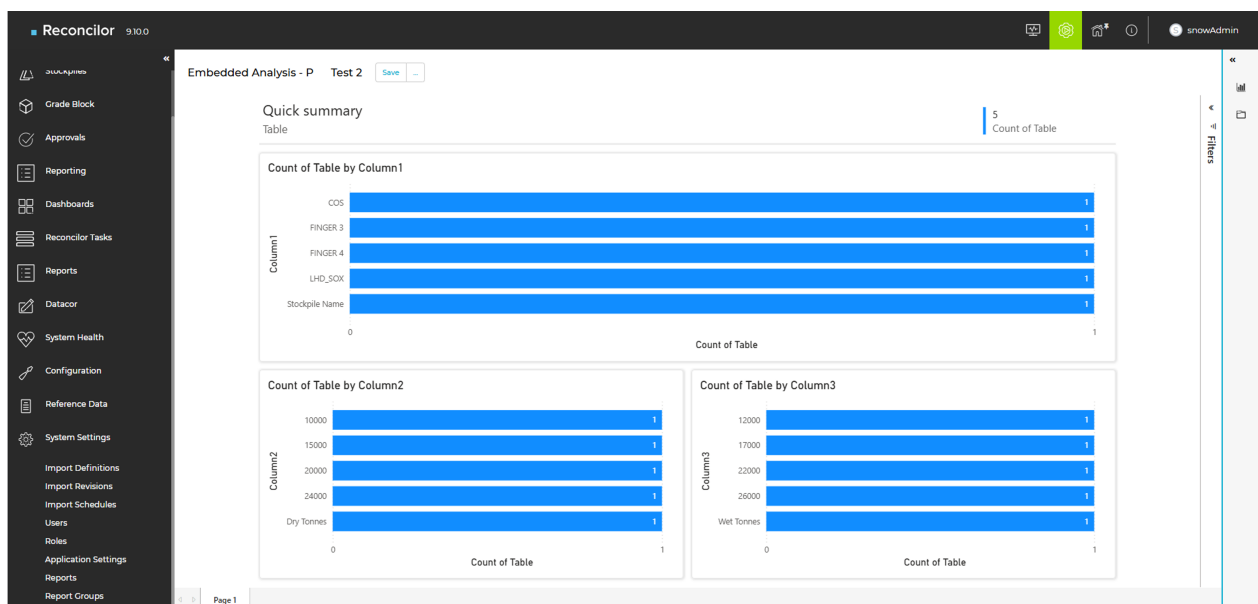
Reconcilor 9.10 is a significant step forward, providing mining professionals with greater transparency, control, and efficiency in their reconciliation processes while ensuring data-driven decisions can be made with confidence.

New Features and Enhancements

Embedded Analysis

What is it?

The **Embedded Analysis** screen enables you to display an external dashboard or web-based report inside Reconcilor using a saved URL. This allows seamless integration with tools such as Microsoft Power BI, Tableau, or any platform that supports secure HTML embedding.



Why use it?

If your organisation already creates dashboards or visual reports in tools like Power BI, you can now access these directly in Reconcilor—no need to switch between applications. Dashboards powered by Reconcilor data are now viewable within the platform, making it simple to share reconciliation-focused insights with other Reconcilor users. This keeps everything in one place and supports a seamless, streamlined workflow.

How does it work?

From a supported platform (for example, Power BI), generate a secure embed link or URL for your dashboard. In Reconcilor, open the **Embedded Analysis** screen and add the URL. The external dashboard displays within Reconcilor's interface, accessible only to authorised users.

Who is it for?

Originally developed for clients who use Power BI extensively, this feature is flexible enough to support any web-accessible dashboard or static site. It is ideal for teams who want to bring external data visualisations into Reconcilor for centralised access.

Benefits

- Centralises access to reconciliation insights
- Keeps users working within Reconcilor
- Leverages existing business intelligence and analytics tools without duplicating effort
- Enhances visibility and collaboration across teams

Data Approval – Global & Location

Purpose

The **Data Approval** feature ensures that key datasets—such as production figures, assay results, or reconciled metrics—are formally reviewed and authorised before use in reporting, analysis, or downstream workflows. Once approved, data becomes locked, enabling consistent, reproducible reporting and maintaining data integrity across the mine value chain.

What's changed?

Location-level data approval now supports both individual locations and an *All* locations option. This allows users to approve and compare data more easily across the entire mine value chain, including plant data typically stored under *All* to account for material from multiple sources.

Approval vs. unapproval behaviour

- **Approve** actions cascade downwards through the location hierarchy. Approving at a parent location automatically approves all its child locations.
- **Unapprove** actions apply to parent locations. This behaviour has important implications for bulk operations.

Bulk actions in practice

- A **Bulk Approve** at a top-level location (for example, *ABC*) automatically cascades to all descendant locations and is handled seamlessly by the approval workflow logic.
- The **Bulk Unapprove** action is more complex and currently supports only one location per request. If applied at a lowest-level location, the system does not recursively unapprove all parent nodes. Multiple requests are required for a full unapproval cascade.

Dynamic Continuum

This release introduces two key usability improvements to the **Continuum** analysis screen, aimed at improving readability, layout flexibility, and user control when working with comparison data.

Improved Display of Comparison Names

Long comparison names in the selector drop-down were previously truncated without a tooltip, making it difficult to identify the correct selection.

Enhancements include:

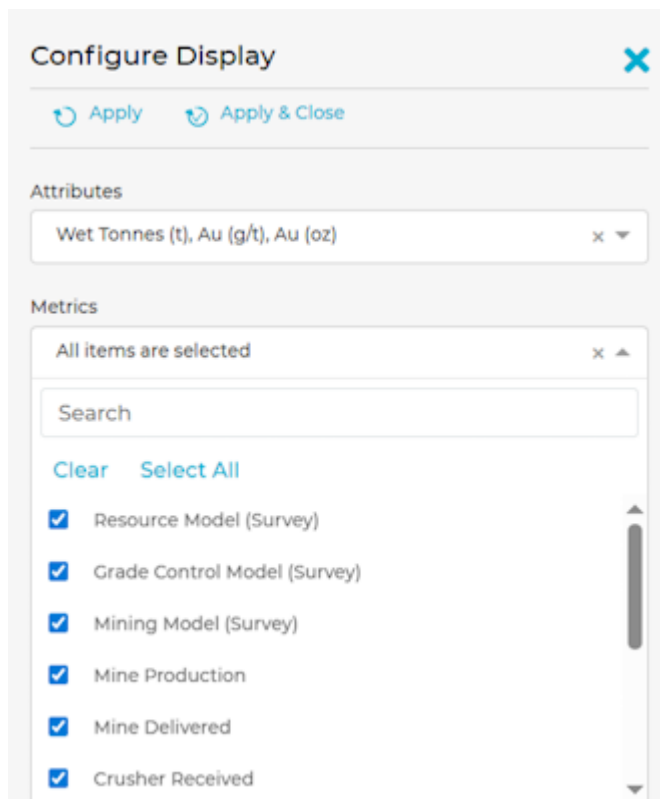
- Tooltips now display when you hover over truncated comparison names in the selector.
- The selector width has been adjusted to better accommodate longer names where screen space allows.
- Ensures a consistent user experience with the comparison ribbon, which already displays full names.

Flexible Node Widths & Metric Visibility Controls

As more comparison nodes are added—especially from configured metrics and mine planning metrics—users previously had to zoom out or scroll to view all data.

Enhancements include:

- Improved adaptive layouts:
 - Nodes now support minimum widths of ~30–40%, depending on screen size and content.
 - The waterfall chart layout has reduced column gaps and node widths to fit more comparisons, with metric names now supporting up to three lines of text for improved wrapping.
 - Display logic keeps comparison bars and difference indicators legible by prioritising text wrapping, reducing node gaps, and resizing bars when space is limited.
- Metric visibility configuration:
 - A new multi-select control in the configuration toolbar allows users to choose which metric (MVC nodes) display.
 - All nodes are selected by default for full visibility.
 - Unselected nodes are completely hidden from view and interactions, and are excluded from comparison selections and expand/collapse options.



Enhancements to the Grade Block Screen

In response to user feedback, several improvements have been made to the model comparison display on the **Grade Block** screen to enhance readability and make it easier to identify missing or inconsistent data across models.

More Accurate % of Block Calculation

The percentage of block is now calculated based on the volume of each line item relative to the total grade block volume, rather than using tonne-based calculations.

Because volume is consistent across models, this change provides a more accurate and reliable comparison, helping to highlight missing data and discrepancies between models.

Grouped Model Totals

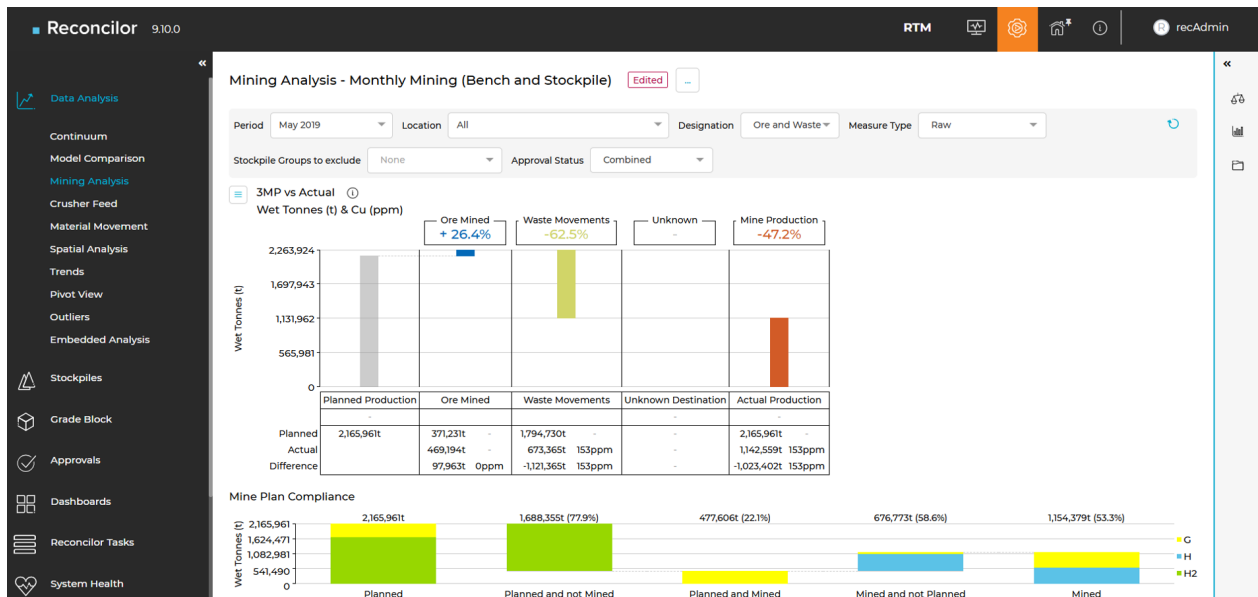
When grouping is enabled (for example, by **Material Type**), each model now displays a **Total** row summarising tonnes, volume, % of block, and weighted average grades.

This change makes the grouped display more informative and supports faster comparisons between models.

Mining Analysis Enhancements

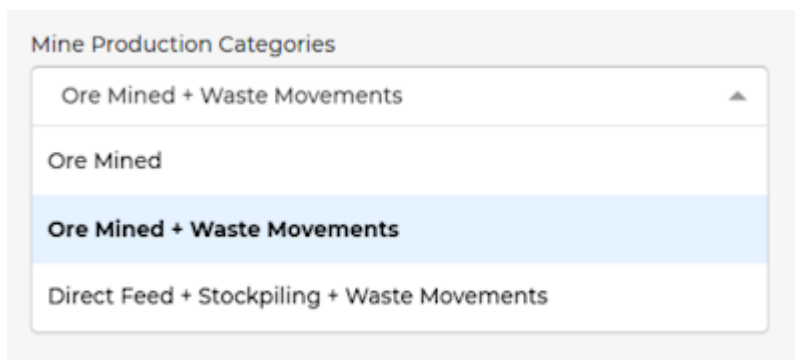
To better support operations where mine plans do not differentiate between *Direct Feed* and *Stockpiling*, the **Mining Analysis** screen now includes configurable display options for mine production data.

Many mine plans only report ore and waste mined, without specifying destination types such as *Direct Feed* or *Stockpiling*. Previously, this meant the **Mining Analysis** screen displayed these destinations separately, making it difficult to directly compare actuals against plan.



Mine Production Categories Configuration

A new **Mine Production Categories** setting in the **Display Options** panel allows users to choose how production data is grouped.



The available display options are:

- **Ore Mined** – Combines *Direct Feed* and *Stockpiling* into a single category.
- **Ore Mined + Waste Movements** – Splits into two categories: *Ore* and *Waste*.
- **Direct Feed + Stockpiling + Waste Movements** – Default (legacy) behaviour.

The selected option controls which grouping filters are available in the **Configuration** panel.

Example: Ore Mined Grouping

If **Ore Mined** is selected as the category, the grouping panel displays a single drop-down labelled **Ore Mined**.

The available grouping fields include:

- Source Location (all levels)
- Destination Name
- Source Lithology Type / Group
- Source Material Type / Group
- Destination Lithology Type / Group
- Destination Material Type / Group

After you configure the groupings and click **Apply**, the mine production visualisation (waterfall chart) updates to reflect the selected structure.

Mining Compliance Chart Enhancements

The **Mining Compliance Chart** on the **Mining Analysis** screen now displays compliance percentages for three categories:

- *Planned & Not Mined*
- *Planned & Mined*
- *Mined & Not Planned*



Mining Analysis and Crusher Feed Export

Data from the **Mining Analysis** and **Crusher Feed** screens can now be exported to Microsoft Excel for further analysis. Plan compliance metrics from the **Mine Plan Compliance Chart** are also included in the export.

New Quick Links Calendar Options

Two new quick link options have been added to the period filter selectors to improve date selection flexibility:

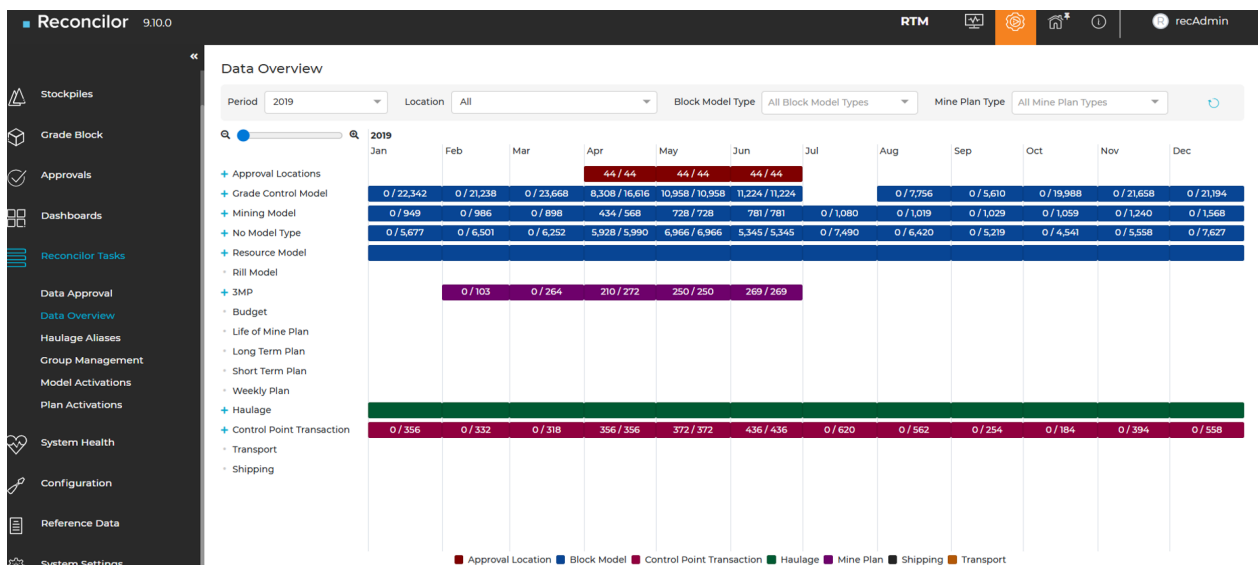
- **FY to Date** – Displays data from the start of the current financial year to today. This option aligns with the existing quarter calendar control, where applicable.
- **Month to Yesterday** – Displays data from the start of the current calendar month up to yesterday.

These enhancements make it easier to run reports aligned with common operational time-frames.

Data Overview Screen Enhancement – View Approval Status by Period and Location

To improve transparency and reduce the time spent checking individual approvals, the **Data Overview** screen now displays approval status across selected periods and locations in a single view.

The **Data Overview** screen has also been moved to the **Reconcilor Tasks** section of the menu.



Key Features

- **Period** filter
 - Functions similarly to the existing **Data Approval** period filter.
 - Supports selection of multiple adjacent approval periods.
- **Location** filter
 - Mirrors the **Data Approval** location filter.
 - Allows filtering by *ALL* locations or a specific location level, including *Unknown* where applicable.
- **Approval Status** display
 - Clearly indicates which locations have been approved for each selected period as number of locations approved/live.
 - Designed for quick, at-a-glance review without needing to open each individual approval.
 - Selecting an approval period takes you to the **Data Approval** module with that approval period and location displayed.
- **Models and Mine Plans**
 - All model and mine plan types are shown by default.
 - Users can navigate to specific location levels within models and mine plans.
 - The number of records per period is displayed as approved/live records.
- **Movement** data
 - **Haulage, Plant** and **Transport** data is shown by default.
 - Users can navigate to location levels in the movement data.
 - The number of records per period is displayed as approved/live records.

Enhanced Online Help at Datamine Docs

We've enhanced Reconcilor's online help experience to give users direct access to detailed, multimedia-rich documentation.

What's new:

- Clicking the information icon in the Reconcilor application now opens a new browser tab with relevant help content for the Reconcilor screen you are using.

- The help content is now hosted on the Datamine Documentation website. This allows us to include rich media, such as videos and podcasts, to support you to learn and use Reconcilor.
- In addition to the information icon within Reconcilor, you can also access the full online help and release notes at <https://docs.dataminesoftware.com/Reconcilor/>

This enhancement aims to make support and learning more accessible and engaging across the platform.

Defect Fixes

Data Health

Issue 1: The date field in the **Data Health** table could not be sorted chronologically.

Resolution 1: The field has been corrected to use a date format (instead of a numeric value) and can now be sorted as expected.

Upgrade Instructions: No action is required. This fix will be applied automatically as part of the upgrade.

Issue 2: The **Data Health** table filters were causing an operational error and were unusable.

Resolution 2: The filters have been fixed and are now fully functional.

Upgrade Instructions: No action is required. This fix will be applied automatically as part of the upgrade.

Mining Compliance Chart

Issue 1: We have observed at many sites that the **Mining Compliance Chart** (shown at the bottom of **Mining Analysis** screen) shows nothing in the *Planned and Mined* column despite the fact that visualisation above shows a good correlation between planned and actual mining.

Further investigation into this problem determined that database query used to populate this chart was very strict when determining if mining was performed according to plan. To satisfy the query, the mining activity must occur exactly on the dates specified in plan, and a delay of one day or more will cause associated mining locations to be excluded from the results.

After consultation with clients and members of the advisory team, we determined that the desired behaviour should be to include any locations that are planned and mined within the period specified by the period filter on the analysis screen. For example, block XYZ is planned for mining on the 28th of October and is actually mined on 30th October. If the user chooses a period filter of *October* then the mining of block XYZ will be included in the **Planned and Mined** column of the chart.

Resolution 1: The database query for the **Mining Compliance Chart** has been updated to allow greater flexibility when matching planned and actual mining dates. Locations are now considered *Planned and Mined* if both the planned and actual mining occur within the period selected in the analysis screen's filter, even if the actual date differs from the planned date by one or more days

Upgrade Instructions: No action is required. This fix will be applied automatically as part of the upgrade.

Issue 2: When the **Mining Compliance Chart** was grouped by bench, the legend displayed duplicate colours, causing confusion in interpreting the data.

Resolution 2: The chart's legend generation has been corrected so each bench is assigned a unique colour. If a location has been assigned a colour through the **Colour** configuration screen, that colour will take precedence over automatically assigned colours.

Upgrade Instructions: No action is required. This fix will be applied automatically as part of the upgrade.

Configuration File Filters

Issue 1: On the side **Configuration** panel, the filtering logic (top of panel) for *Global* and *Private* configurations in analysis modules did not align with the expected behaviour. Specifically, selecting *Private + Global* only displayed the current user's private configurations, rather than the combination of their private configurations and all global configurations. Additionally, users with the **-Administrate* permission could see all configurations for the module, effectively bypassing the intended filter-based visibility rules. This behaviour has been in place since the original configuration manager implementation.

Resolution 1: The filter logic has been updated so that:

- *Private*—Shows only configurations created by the current user that are not saved as global.
- *Global*—Shows only configurations saved as global.
- *Private + Global*—Shows configurations created by the current user (not saved as global) and all global configurations.
- *None*—Shows all configurations the current user can access based on their permissions.

Configuration visibility now also fully respects the selected filter permutations for all users, including those with **-Administrate* permission, unless explicitly granted full visibility by design. This ensures the filter options work consistently and as expected.

Upgrade Instructions: No action is required. This fix will be applied automatically as part of the upgrade.

Resolved Tickets – Reconcilor 9.10

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

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

Resolved Tickets – Features and Enhancements

- Data Approval - Global Approve Only
- Allow users to embed external dashboards within Reconcilor
- Colour Configuration - Location categories
- Continuum changes to accommodate larger number of metrics (comparison nodes)
- Data Approval - Location selector ALL for approvals
- Improvements to Grade Block model comparison
- Mining Analysis and Crusher Feed - data exports
- Mining Analysis: Allow displayed Mine Production 'Categories' to be configured
- Mining Compliance Chart should include total tonnes and percentage of all metrics
- Model Survey and Mine Plan reference data should be captured in the data warehouse
- Online Guidance to Flare
- Ordering on Trends screen chart x-axis
- Permission "Read Application Setting" breaks Reconcilor
- Stockpile Adjustment Import - Density validation rule does not identify stockpile or adjustment date
- Stockpile Analysis - add survey period to the configure panel chart time scale
- Stockpile Analysis - categorical attributes
- Stockpile Analysis - current status filter logic
- Support Live and Approved data on Mine Plan Activation Screen
- Support Live and Approved data on Model Activation Screen

- Suppressed stockpile Data Health issues should not be re-raised upon recalculation of balances
- Update Data Overview screen to display Approval Status
- Warehouse batches should contain complete parent hierarchy for warehoused locations

Resolved Tickets – Defect Fixes

- Users cannot access Trends screen without 'Comparisons - View' permission
- User IdentifyingClaim not updated when domain is updated through the Edit User screen
- Trends Crusher/Plant custom filters do nothing
- Trends - ordering when stacking on chart
- Trends - Comparisons won't display if stacking is on
- Stockpile Analysis Warehouse - Table only can incorrectly return no data
- Stockpile Analysis - grade activity chart - stockpiles as a summary line
- Stockpile Adjustment saved using date prior to entered date
- Security permissions are being overwritten on upgrade
- Resolve inconsistent convention with location-based colour assignments
- Pivot View source entity filter incorrectly shows 'All' when Unknown is selected
- Pivot view miscalculates comparisons when grouping on date related dimensions
- Pivot view - table sorting A-Z
- Pivot View - stockpile table totals incorrect
- Outliers screen can fail to load reference data and populate dropdown menus
- On Continuum an error occurs when filtering by survey/approval period if there is only 1 shift where start and end times are the same
- Mining Compliance Chart is too strict with application of planned mining periods
- Mining Analysis > Compliance diagram: duplicate colours in the legend when grouping by Bench
- Mine plan data issues displays incorrect dates
- Material Movement - not using set decimal places
- Maintenance Health Script returning false positives

- Log out events not captured in System Log
- Location display names not updated in warehouse reference data
- Incorrect EndDateShiftId used by Material Movements when using survey period filter
- Import failure notifications raised for passing imports
- Images created via report renderer not opening in browser as expected
- Haulage movements resolving against Model Cell source entities
- Extra custom block model types prevent Reconcilor upgrade
- Excel import failure on specific date scenario without direct ImportMappingRevisionField
- Data Health - table filters cause server error
- Data Health - stockpile falls below zero tonnes date field
- Crusher feed always queries live data only for actual movements
- Crusher feed - stockpile groups to exclude not working
- Crusher Feed - Not showing mine plans
- Continuum - new material types not populating filter
- Configurations referencing ComparisonValueTypes may be incorrectly found when trying to delete a Comparison
- Attribute sets not resolved on movements from stockpiles when split movements in batch
- Analysis screens - configuration list global and private
- Analysis screen configuration panels should auto-scroll to display drop-down contents
- Analysis module grid component renders empty field values with inconsistent row height
- Active Survey FactTransactions removed from Warehouse when switching the active model for a period
- 9.9.1 - vm-rec-test:8500 - Data Analysis - Trends - Unable to filter data using Material Type Group options under Custom drop down
- 9.9 - vm-rec-test2:8100 - Configuration - Integration - Operation Failed error appears when the user tries to Save a duplicate configuration
- 9.9 - vm-rec-test:8500 - System Settings - Import Definitions - unable to add an empty schedule
- 9.9 - vm-rec-test:8500 - Imports - Username is missing for the imported stockpile adjustment records

- 9.9 - vm-rec-test:8500 - Data Analysis - Model Comparison - Mining Model (Haulage) values are high
- 9.9 - vm-rec-test:8500 - Data Analysis - Mining Analysis - Stockpile groups to exclude drop down is not working
- 9.8/9.9 Trends & Models - Measures drop down is defaulting to empty upon first entry
- 9.8 Continuum waterfall is not using the Application settings continuum colours
- 9.8 - vm-rec-test:8600 - System Settings - Import Definitions - Import jobs are not listed under Apply Schedule to Import Definition drop down
- 9.8 - vm-rec-test:8600 - Reconcilor Tasks - Data Approval - Operation Failed error appears while loading Spatial Analysis config
- 9.7.1 Pivot view - no legend when only one value is selected in chart view
- 9.7.1 - vm-rec-test:8500 - Stockpiles - Adjustments - Attribute values are pre-populated in the Add Adjustment screen
- 9.6 - vm-rec-test2:8100 - Stockpiles - Stockpile Management - Unable to filter negative values in Wet Tonnes, Dry Tonnes and Volume columns
- 9.6 - vm-rec-test2:8100 - Reconcilor Tasks - Data Approval - Related months are not displayed under the selected year.
- 9.5.4 - vm-rec-test:8000 - Data Analysis - Crusher Feed - Incorrect validation appears when the selected period is only 3 years
- 9.5.3 - vm-rec-test:8000 - Stockpiles - Stockpile Management - Server error appears when the user tries to create a new stockpile without Opening Date.
- 9.5.1 - vm-rec-test:8000 - System Health - Data Overview - Server Error appears on click Apply Filters & Refresh icon
- 9.5.1 - vm-rec-test:8000 - Stockpiles - Stockpile Management - Server Error appears when the user clears the Opening Date for a stockpile
- 9.5.1 - vm-rec-test:8000 - Stockpiles - Bulk Adjustments - Data is not filtered based on the parameter selection
- 9.5 - vm-rec-test:8000 - Data Analysis - Spatial Analysis - Location drop down does not list the locations as expected
- 9.3.5 - 8000 - Regression - Stockpiles - Adjustments - Fail to retrieve stockpile with no group

Reconcilor 9.9 Release Notes

What's New for Reconcilor 9.9

Reconcilor, developed by Datamine, is a comprehensive software solution designed to unify and enhance the insights provided by mining engineers, geologists, metallurgists, and planners. By standardising operations across multiple mining sites, Reconcilor enables advanced analysis and offers guidance for troubleshooting and optimising performance. As a commercial off-the-shelf (COTS) product, Reconcilor can be implemented without extensive customisation, offering ready-to-use functionality to improve operational efficiency.

This **major version** update introduces several new features and improvements, aimed at enhancing the reconciliation process and overall user experience for key stakeholders. These updates provide tools to more effectively monitor site performance, allowing for early detection of issues and prompt resolution.

This major version update for Reconcilor introduces the following new features and improvements:

- **External Integration module:** Users with appropriate permissions can set up an API call to the Reconcilor database for use in external software.
- **Increased precision:** Decimal places for tonnes, volume and grades on import have been increased to 8 decimal places (increased from 4dp).
- **Calendar control updates:** Automatically display current month and year rather than the last date available.
- **Quarter time period:** On the trends and model comparison screens, quarter is now available as a time period alongside day, month, year, survey period.
- **Licence update:** Datamine have updated their terms and conditions.

New Features

External Integration Module

The new Integration screen empowers authorised users to define and execute API calls on the Reconcilor data warehouse. This feature streamlines dynamic data retrieval with customisable filters and data format configurations, ensuring seamless integration with external systems.

Key Features and Functionality

Period Filter

- **Filter Selection:** Select the appropriate period filter to determine the data being retrieved.
- **All Data Option:** If the checkbox is unticked, all data for the selected measures and values will be returned.

Custom Filter

- Apply additional filters to narrow down the retrieved dataset as needed.

Configure Data

- **Sources:** Choose from movement, stockpile, or metric tables.
- **Columns:** Add dimensions from the selected source table to the query.
- **Measures:** Define the attributes to retrieve, such as tonnes, grade, or metal.

Finalising the Dataset

Once the dataset is configured, complete the process by accessing the "..." menu next to the configuration name:

1. **Save As:**
 - a. Save the configuration as either private or global.
 - b. Specify if the configuration should be locked or unlocked. Locked configurations can only be modified by unlocking them through the Analysis Configuration screen.
2. **Copy External Link:**
 - a. Generate a URL for use in external connector tools.
 - b. The data retrieved via this link is in raw JSON format, allowing consuming clients to apply their preferred formatting.

Benefits

This structured and user-friendly approach ensures that data integration is:

- **Customisable:** Tailor datasets to suit specific needs.
- **Efficient:** Use quick links to retrieve up-to-date data without modifying saved configurations.
- **Secure:** Control configuration access with locking options.

The Integration feature enhances data handling efficiency, enabling smooth integration with external applications for real-time insights and decision-making.

Increased precision for imported data

The precision for data imports in Reconcilor has been enhanced to support up to 8 decimal places for tonnes, volumes, and grades. Previously, the system allowed a maximum of 4 decimal places. This improvement provides greater accuracy in handling and reconciling critical mining data.

1. Affected Data Fields:

- a. Tonnes: Precise tonnage measurements are now supported with 8 decimal places, ensuring minimal rounding errors during import and calculations.
- b. Volume: Enhanced precision supports more accurate volumetric measurements, particularly beneficial for reconciliation processes involving stockpiles and surveyed data.
- c. Grades: Grade data (e.g., Cu, Au) imported into the system now retains up to 8 decimal places, enabling highly detailed analysis of metal grades.

2. Import Process:

- a. The increased precision applies to all data imported into Reconcilor, whether through manual uploads, automated imports, or API integrations.
- b. Existing workflows remain unaffected, ensuring backward compatibility for previously imported datasets.

3. Use Cases:

- a. Reconciliation Accuracy: Enables more accurate reconciliation of tonnes, volumes, and grades, reducing variances caused by rounding errors.
- b. Audit and Compliance: Supports compliance with reporting standards requiring high levels of precision in mining operations.
- c. Trend Analysis: Facilitates more granular analysis of production and reconciliation trends over time.

4. User Impact:

- a. Improved Data Quality: Users will notice fewer discrepancies between imported data and reported values due to rounding.
- b. Seamless Transition: No changes are required from users to benefit from this feature. Data imports with up to 8 decimal places will automatically be processed and displayed correctly.

Calendar Control Updates

The calendar controls within Reconcilor have been updated to enhance usability and improve efficiency during date selection. Previously, the calendar would default to the last available date in the dataset. With this update, the calendar will now automatically display the current month and year, providing a more intuitive user experience.

Details of the Update

1. Default Display Behaviour:

- a. The calendar control will now open with the current month and year displayed as the default view.
- b. Users no longer need to scroll backwards from future dates to locate the current period.

2. User Interaction:

- a. Users can still navigate to other months and years manually using the calendar's navigation controls.
- b. Selected dates will function as before, with no changes to how dates are saved or processed.

3. Use Cases:

- a. End-of-Month Reporting: Users can quickly access dates relevant to the current reporting period without unnecessary scrolling.
- b. Reconciliation Workflows: This update streamlines workflows by reducing time spent navigating to the desired date range.
- c. Ad Hoc Queries: Improves the speed of selecting dates for on-the-fly queries or adjustments.

4. Backward Compatibility:

- a. Historical data is unaffected, and users can still navigate to future months or years if required.

New Time Period - Quarter

Reconcilor now supports Quarter as a selectable time period on period filter and also as a grouping option on the trends and model comparison screens. This enhancement adds flexibility for users analysing data over larger intervals, complementing the existing options of Day, Month, Year, and Survey Period.

Details of the Update

1. New Time Period Option:

- a. The Quarter time period is now available as a filtering and grouping option in:
 - 1. All analysis screen in the period filter
 - 2. Trends Screen: Analyse data trends over quarterly intervals.
 - 3. Model Comparison Screen: Compare model performance and results across quarters.
 - 4. Pivot view – date shift option on columns or rows

2. Automatic Calculation:

- a. Quarters are calculated based on the calendar year or financial year (Datamine consultants will configure the Quarter definition for your instance).
 - 1. Q1: January – March, Q1: July - September
 - 2. Q2: April – June, Q2: October - December
 - 3. Q3: July – September, Q3: January - March
 - 4. Q4: October – December, Q4: April - June
- b. All data within the selected quarter will be grouped and summarised accordingly.

3. Use Cases:

- a. Trend Analysis: Identify quarterly trends in production, grade, and other key metrics.
- b. Model Comparisons: Evaluate performance and reconciliation metrics on a quarterly basis for better insights into seasonal or operational patterns.
- c. Pivot View: Generate summaries and reports tailored to quarterly intervals, aligning with standard business and financial reporting cycles.

4. UI Integration:

- a. The Quarter option is seamlessly integrated into the period filter, alongside the existing Day, Month, Year, and Survey Period options.
- b. Grouping by time and quarter will dynamically update the data displayed in the trends and model comparison views.

Licence Update

As part of our commitment to transparency and compliance, Datamine has updated its License Terms and Conditions. These changes aim to provide greater clarity and align with evolving legal and operational requirements.

Details of the Update

1. Key Changes:

- a. Enhanced clarity in definitions and terms for improved user understanding.
- b. Updated clauses to reflect current industry standards and best practices.
- c. Inclusion of provisions related to data security, privacy, and software usage.
- d. Streamlined terms to ensure compatibility with international regulations where applicable.

2. Where to Access the Updated Terms:

- a. The revised terms and conditions are available on the Datamine website at:
www.dataminesoftware.com/software-license-and-subscription-agreement

3. Applicability:

- a. The updated terms automatically apply to all existing and new users of Datamine products, including Reconcilor.
- b. By continuing to use Datamine software, users agree to adhere to the revised terms.
- c. Any company that has a non-standard licence agreement will not be impacted by the updated terms.

4. Communication:

- a. Users will be notified of the updated terms in application notifications.
- b. Acknowledgement of the updated terms will be required during login of this release.



Defect Fixes

Re-handle calculation rules update

Issue 1: The default rules in Reconcilor for calculating Re-handle are overly broad, encompassing movements between any stockpiles. This has resulted in Re-handle calculations incorrectly including movements between plant and port stockpiles.

Resolution 1: Re-handle should only account for movements between Pre-crusher Stockpiles, as determined by their membership in the 'Pre-crusher Stockpiles' Entity Group.

Upgrade Instructions:

1. Update Configuration:
 - a. Modify the Comparison Value Type Rule configuration to ensure that both the source and destination stockpiles for Re-handle movements must belong to the 'Pre-crusher Stockpiles' Entity Group.
2. Material Movements Screen Update:
 - a. Apply the same filter on the Material Movements screen to ensure Re-handle movements displayed align with the updated rules (i.e., only movements between Pre-crusher Stockpiles are considered).

Expected Outcome: The Re-handle value in Material Movements will now accurately include only movements between Pre-crusher Stockpiles, excluding all other stockpile movements.

User Log-In Event Tracking

Issue 1: During User Acceptance Testing (UAT), the system logs were reviewed to identify which users had logged into the system and completed tests. However, filtering by the event "Log into the application" revealed the following issues:

1. The **User** column in the data grid was mostly empty, preventing effective filtering by User.
2. User information was available in the **Primary Subject** column but was inconsistently formatted (for example, mixed use of backslashes and forward slashes), making this filter unreliable.

Resolution 1:

1. Update Log Recording for "Log into the Application" Event:
 - a. Ensure the User column consistently captures the username for all "Log into the application" events.
 - b. Standardise data capture to eliminate gaps in the User field.
2. Standardise Formatting in Primary Subject Column:
 - a. Normalise the formatting of data in the Primary Subject column to ensure consistency (e.g., consistent use of backslashes or forward slashes).
3. Enhance Filtering Logic:
 - a. Update the User filter to work seamlessly with the corrected data in the User and Primary Subject columns.

Upgrade Instructions: No specific actions are required to benefit from this bug fix. The update will automatically be applied during this upgrade.

Expected Outcome: System logs will reliably display user information in the User column for all "Log into the application" events. Consistent formatting in the Primary Subject column will further enhance usability, ensuring accurate filtering and improved traceability of user activities.

Material Type and Lithology Type Ordering on Analysis Screens

Issue: The Pivot View, Trends and Model Comparisons screens do not display material types or lithology types in the same order as shown in the configuration screens (Material Types and Lithology Types Management). Instead, these are displayed in the order they were entered (by ID), which can cause confusion and inconsistency.

Resolution:

1. **Update Trends Screen Ordering Logic:**
 - a. Modify the Pivot View, Trends and Model Comparison screens to display material types and lithology types based on the configured display order defined in the Material Types and Lithology Types Management screens, rather than the entry order (ID).
2. **Align Display Order Logic:**
 - a. Ensure the screens respect any sorting rules applied in the configuration screens, such as alphabetical or custom-defined orders.

3. Testing and Validation:

- a. Verify that the screens accurately reflect the configured order for material and lithology types.
- b. Test with a variety of configurations to confirm the update works across different datasets.

Upgrade Instructions: No specific actions are required to benefit from this bug fix. The update will automatically be applied during this upgrade.

Expected Outcome: Material types and lithology types on the Pivot View, Trends and Model Comparison screens will now match the display order specified in the configuration screens, providing a consistent and intuitive user experience.



Resolved Tickets – Reconcilor 9.9

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.

New Feature

- External Integration Module
- Update EULA page to use new Datamine Terms and Conditions
- Report Designer - POC
- Increase the precision of tonnage/grade imports
- Trends/Models - add timescale by Quarter
- Designation (ore/waste) filter required on Grade Block List Continuum - Viewing Comparisons
- Pivot View - new open/closed stockpile status dimension and custom filter in stockpile table
- Application Settings / Approvals - read only
- PowerBI Spike solution
- Add new 'PreserveLatest' Mine Plan Import Activation Mode
- Calendar for month defaults too far into future
- View Grade Block – attributes
- Expand Sentry monitoring to cover additional events

Enhancement

- .net 7.0 deprecated from ms agent
- Material Movement - dataset in diagram drop down icon
- View Grade Block - Material type ordering on table
- Fix ongoing failures of the Analysis Modules Unit Tests pipeline
- Add Microsoft Word as an output option for reports
- Role groups - remove Legacy Rec 8 roles from UI
- Missing system event types for recent management-based APIs
- Help documentation updates

Defect Fix

- Pivot view - ordering of material / lithology types
- Trends charts - x-axis label
- Material Type / Lithology type ordering on analysis screens
- Movement calculator duplicates movements for insert events
- Pivot view incorrectly reports that the query configuration is incompatible
- When Creating a Stockpile Adjustment using attributes instead of grades it assigns the balance attributesetids wrong
- Stockpile Analysis - Total weighted avgs breaks when using attributes
- Fact type generation incorrectly assigns movement types
- ComparisonValue ETL fails for time periods containing >9999 shifts
- Configuration panel - global and private configs visible to all
- 9.9 Error while logging API call to the database
- Pivot grade colouring sourcing wrong colours
- 9.8 Pivot view chart - colour within control limits
- Engine is automatically starting on upgrade
- Maintenance health check last run not updating
- Attribute weighting quantity multipliers use incorrect ppmu
- Pivot View configurations containing a "Date Shift Id" custom filter trigger server errors
- Mine Plan Values that overlap approval periods do not pro-rata in the warehouse
- Material Movements screen not using mine plan value location tree for source location filtering when no resolved source entity
- Analysis screens do not determine the default activated mine plan upon reloading
- Pivot View 'Period' checkbox doesn't work correctly on first use after logging in
- System Log storage and performance issues
- Service queue deletions sometimes trying to delete too many at once, causing the database to lock up
- Grade Block Module - grade block name fields
- System Logs - missing user for raised events

- Analysis screen period filter moves back one day after refreshing/returning to page
- Material Movement - crusher received metric unticked
- 9.7 Material Movement - monthly plans
- Investigate adding tags to sentry logs
- Re-importing mine plans invalidates analysis screen configurations
- Login system log event does not consistently capture user name
- Default Import_Sync_Location_Level settings are not appropriate for most sites
- Re-handle Metric is not calculated correctly
- Add weighting quantity multiplier attribute calculations to pivot view
- Overlapping Mine Plans can be incorrectly activated when imported at the same time
- Unset filter location error on Spatial Analysis is unclear
- Configurations - Save as a blank config
- Redact import parameters section when adding a scheduled import job without parameter requirements
- Pivot stockpile cube queries adjustments as balances

Reconcilor 9.8 Release Notes

What's New for Reconcilor 9.8

Reconcilor, developed by Datamine, is a comprehensive software solution designed to unify and enhance the insights provided by mining engineers, geologists, metallurgists, and planners. By standardising operations across multiple mining sites, Reconcilor enables advanced analysis and offers guidance for troubleshooting and optimising performance. As a commercial off-the-shelf (COTS) product, Reconcilor can be implemented without extensive customisation, offering ready-to-use functionality to improve operational efficiency.

This **major version** update introduces several new features and improvements, aimed at enhancing the reconciliation process and overall user experience for key stakeholders. These updates provide tools to more effectively monitor site performance, allowing for early detection of issues and prompt resolution.

This is a major version update for Reconcilor. It is focused on the following new features and improvements:

- **Global reconciliation comparisons:** New options to define reconciliation comparisons across the system, with customisation available for metrics and colours.
- **Reconciliation comparison tolerances and control limits:** Enhanced ability to define and configure tolerances and control limits for more accurate comparisons.
- **Stockpile analysis enhancements:** Both raw and adjusted datasets are now available for more precise analysis.
- **Crusher Feed:** Additional categorical attributes can be selected to further refine data analysis.
- **Material Type/Lithology Type group management:** Users can now create and manage groups directly through the user interface.
- **Menu enhancements:** A new menu for comparisons improves navigation and usability.
- **Mine Plan activation:** A new filter has been added to distinguish active and inactive mine plans.
- **Contractor name in Pivot View:** Contractor names are now visible in the Pivot View movement table, adding more context for data analysis

New Features

Defining global reconciliation comparisons

The reconciliation comparisons that were available on the Continuum are now defined in a new menu item called comparisons. By defining the required comparisons in this screen, the continuum, model comparison, trends and pivot view modules will directly reference this list in the appropriate filters. Users can no longer set these up dynamically on the Continuum.

Comparisons

[Add Comparison](#)

Comparison Name	Abbreviation	From Metric	To Metric	Tonnes & Volume Com...	Attribute Comparisons	Metal Comparisons	Chart Colour	Order Number
Mine Delivered to Plant feed	MD - PF	Mine Delivered	Plant Feed	⊗	⊗	⊗	#95edb8	1
Res - Gcm	Res - Gcm	Resource Model (Survey)	Grade Control Model (Survey)	⊗	⊗	⊗	#bab7b7	2
Res to GC	RTG	Resource Model (Survey)	Grade Control Model (Survey)	⊗	⊗	⊗	#7ed988	4
GC to Mining	GTM	Grade Control Model (Survey)	Mine Production	⊗	⊗	⊗	#cb8bf	5
MP - CR	MP - CR	Mine Production	Crusher Received	⊗	⊗	⊗	#d5cc9f	7
PF - MD	PF - MD	Plant Feed	Mine Delivered	⊗	⊗	⊗	#e14d4d	8

By adding a comparison (top left control), a user with appropriate permissions will be able to define a new comparison and specify which measures (tonnes, attribute and/or metal) it is applicable for the image below. The chart colour selected will ensure all users view the comparison in the same colour across different modules. The chart colour can be updated at any time through the menu item Configuration/Colours.

Add Comparison

Save
 Cancel

Comparison Name* Resource to Mine Production

☒ Valid for tonnes & volume comparisons

Comparison Abbreviation* Res to MP

☒ Valid for attribute comparisons

From Metric* Resource Model (Survey) x ▾

☒ Valid for metal comparisons

To Metric* Mine Production x ▾

Chart Colour

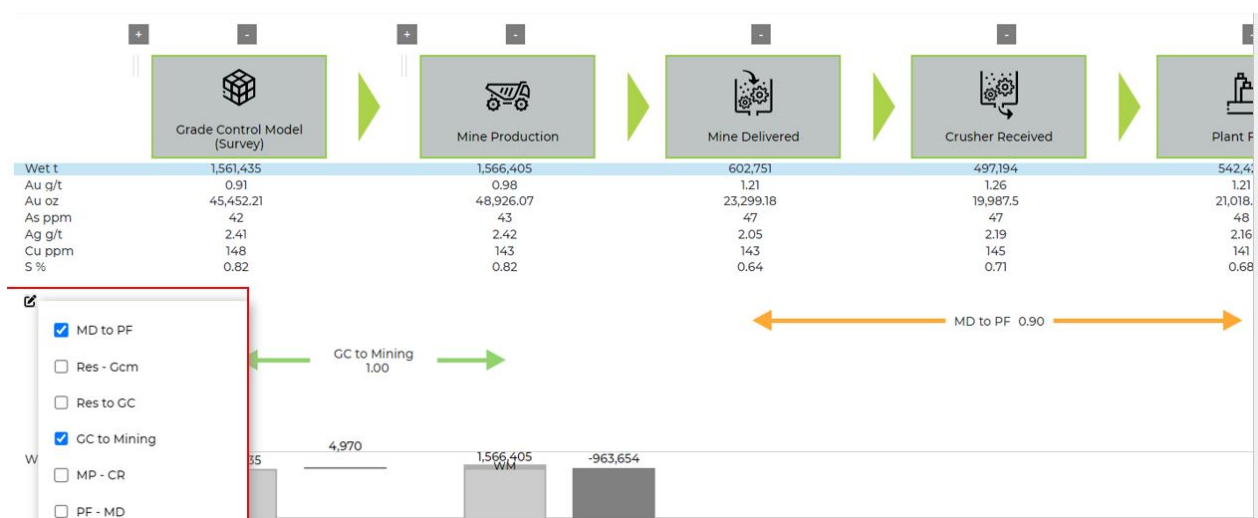
Order Number* 1

 M_T and M_F denotes "To Metric" and "From Metric" respectively:Actual Difference $\Delta = M_T - M_F$ Factor = $\frac{M_T}{M_F}$ Percent Difference = $\frac{M_T - M_F}{M_F} \times 100$ OR $\frac{M_T}{M_F} - 1$

Note: The comparison calculation can use either the earlier or later metric on the mine value chain as the denominator. There are some notes at the bottom of the page to denote how the calculation is derived.

Viewing comparisons in Continuum

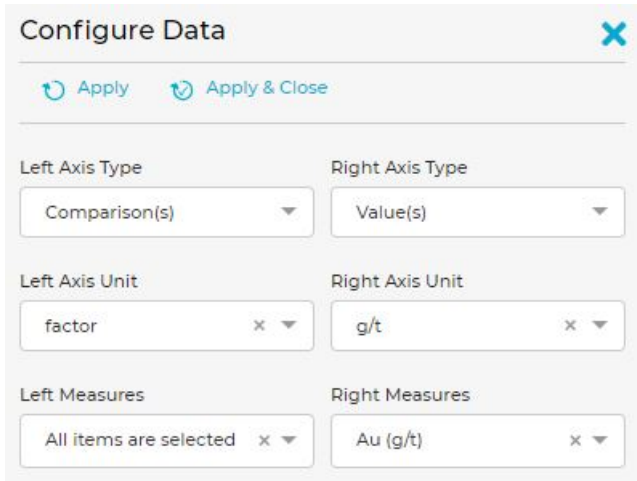
The filters have been updated in the edit comparisons box. Select the comparisons from the list and then ensure you select an attribute in the table to show the comparison ribbon for that attribute.



Viewing comparisons in Model Comparison and Trends

The configure data and display options on the right tool bar have been updated to allow users to display the saved comparisons.

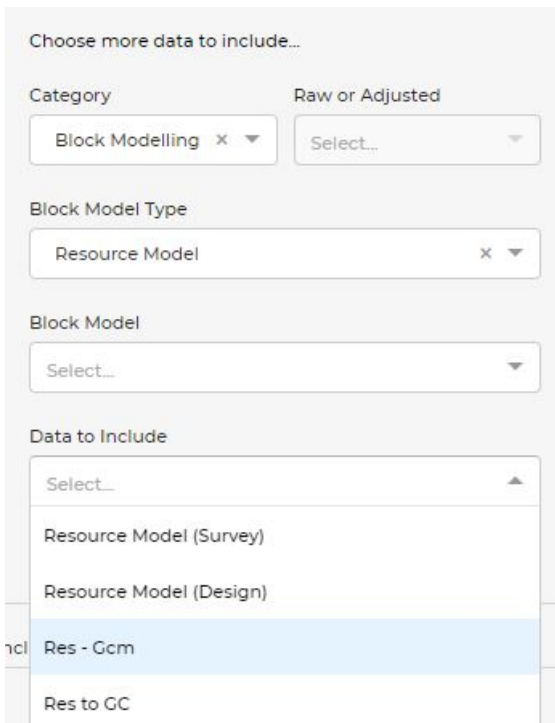
The chart axes require either a comparison (factor or percentage change) or a value and allow selection of definitive attributes to plot.



The 'Configure Data' dialog box features a close button (X) in the top right corner. Below the title bar are two buttons: 'Apply' and 'Apply & Close'. The dialog is divided into four sections for configuring the chart axes:

- Left Axis Type:** A dropdown menu currently set to 'Comparison(s)'.
- Right Axis Type:** A dropdown menu currently set to 'Value(s)'.
- Left Axis Unit:** A dropdown menu currently set to 'factor'.
- Right Axis Unit:** A dropdown menu currently set to 'g/t'.
- Left Measures:** A dropdown menu currently set to 'All items are selected'.
- Right Measures:** A dropdown menu currently set to 'Au (g/t)'.

Selecting the data to include in the datasets is determined by the category and other filters (dynamic filtering), which is unchanged. The upgrade is that the only comparisons returned in the list will be those that are relevant to the site, that is, they have been set up under the comparisons screen.



The 'Choose more data to include...' dialog box contains several filter options:

- Category:** A dropdown menu set to 'Block Modelling'.
- Raw or Adjusted:** A dropdown menu set to 'Select...'.
- Block Model Type:** A dropdown menu set to 'Resource Model'.
- Block Model:** A dropdown menu set to 'Select...'.
- Data to Include:** A list box showing a dropdown menu at the top with the following items: 'Resource Model (Survey)', 'Resource Model (Design)', 'Res - Gcm' (highlighted), and 'Res to GC'.

There are some new configure display options that are available: chart type, colours, control limits and table control limit colours.

Left axis chart type: Line

Right axis chart type: Column

Chart colour preference: Auto

Include comparison control limits for: Wet Tonnes (t)

Apply comparison control limit colours to table values: Disabled

Viewing comparisons in Pivot View

The pivot view has had some enhancements in this version 9.8 to allow the comparisons that are available in other analysis modules to be shown for analysis here.

There is now a configure data panel and a configure display panel on the configure toolbar on the right. This helps declutter the toolbars and guide the user to building a query easier.

Sources are now: Movement, Stockpile and **Metric** (renamed from Comparison)

By selecting the metric name or metric abbreviation as a row or column, the comparisons that were set up are now available for analysis.

Pivot View - Default Edited ...

Period: 01 Jan 2023 - 31 Jan 2023 - 01 Mar 2023 - 31 Mar 2023 Custom: Metric Name

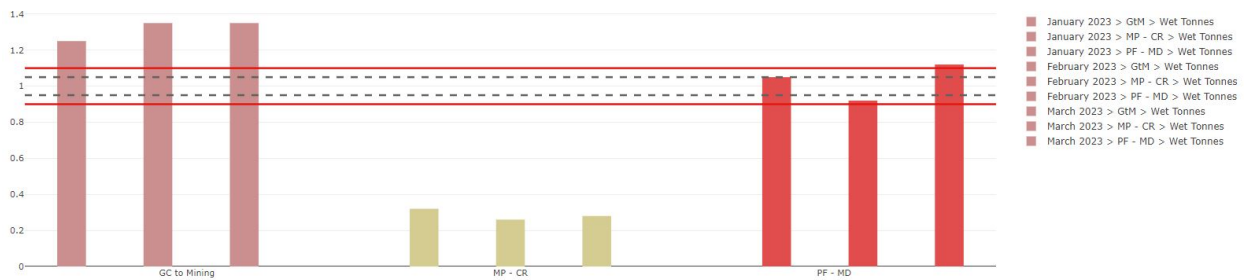
Custom Filters: Metric Name : 6 selected [Clear All Custom Filters](#)

Month Name	Metric Abbreviation	Metric Name	Wet Tonnes
January 2023	GtM	GC to Mining	1.25
	MP - CR	MP - CR	0.32
	PF - MD	PF - MD	1.05
February 2023	GtM	GC to Mining	1.35
	MP - CR	MP - CR	0.26
	PF - MD	PF - MD	0.92
March 2023	GtM	GC to Mining	1.35
	MP - CR	MP - CR	0.28
	PF - MD	PF - MD	1.12

Values selected: Search Clear Select All

- ☐ Resource Model (Survey)
- ☐ Grade Control Model (Survey)
- ☐ Mining Model (Survey)
- ☒ Mining Model (Haulage)
- ☐ Mine Production
- ☐ Mine Production (Adj)

Users can also colour up the table using the tolerances defined in the menu item **Configuration/Comparison Calculations**. The image below shows a table and chart with tolerances turned on for both.



Defining the reconciliation comparison tolerances and control limit styles

The **Comparison Calculations** screen in Reconcilor is where the calculation type, number of decimal places, chart control limits and styles of the lines on the chart are configured. Charts in the Comparison Calculations screen displays a list with data shown in the image below.

Comparison Calculations

[Save](#) [Reset](#)

Click any row below to edit

Measure Type	Measure	Calculation Type	Decimal Places	2nd Upper Control Limit	1st Upper Control Limit	1st Lower Control Limit	2nd Lower Control Limit	Style Configuration
Measure	Dry Kilotonnes	Disabled						
Measure	Dry Tonnes	Percent Difference	0	15	10	-10	-15	Reg 9.8.1
Measure	Tonnes	Disabled						
Measure	Volume	Actual difference Δ	3	2,000	1,000	0,500	0,400	Reg 9.8
Measure	Wet Kilotonnes	Disabled						
Measure	Wet Tonnes	Factor	2	1.10	1.05	0.95	0.90	Default
Grade	Ag g/t	Percent Difference	0	15	10	-10	-15	Reg 9.8
Grade	Am km	Disabled						

Setting a comparison type as a percent difference or factor will populate the measure/grade/attribute in the control limit fields. These are editable and are suggestions only.

If only one set of chart control limits is required, then leave the other set blank.

The decimal places (up to 4) are configurable to ensure precision is maintained where required.

Changing a calculation type once initially selected will not clear the control limit fields, they will need to be manually updated.

The save will only apply when actioned. To undo any changes, made prior to saving, select Reset.

All style configurations will be set to default and will require manual change to a pre-configured style that has been added through the Control Limit Styles screen.

Full dimension (metrics and comparisons) colour customisability













The **Colours** screen allows a user with the appropriate permissions to configure the colour across a range of categories (metrics, comparisons, attributes, etc).

The colours configured will be used across all charts shown in the analysis modules. This is the central place to colour, rather than on each individual screen so that colour uniformity exists across all charts and for all users.

The Colours screen displays a list with the following data as shown in the image below.

Colour Configuration

[Save](#) [Remove Selected](#)

<input type="checkbox"/>	Category	Category Value	Colour	Status
<input type="checkbox"/>	Block Model Type	Custom Model Type 3		Assigned
<input type="checkbox"/>	Block Model Type	Grade Control Model		Assigned
<input type="checkbox"/>	Block Model Type	Mining Model		Assigned
<input type="checkbox"/>	Block Model Type	No Model Type		Assigned
<input type="checkbox"/>	Block Model Type	Reserve Model		Assigned
<input type="checkbox"/>	Block Model Type	Resource Model		Assigned
<input type="checkbox"/>	Block Model Type	Bill Model		Assigned
<input type="checkbox"/>	Comparison	GC to Mining		Assigned
<input type="checkbox"/>	Comparison	Mine Delivered to Plant feed		Assigned
<input type="checkbox"/>	Comparison	MP - CR		Assigned
<input type="checkbox"/>	Comparison	PF - MD		Assigned
<input type="checkbox"/>	Comparison	Res - Gcm		Assigned

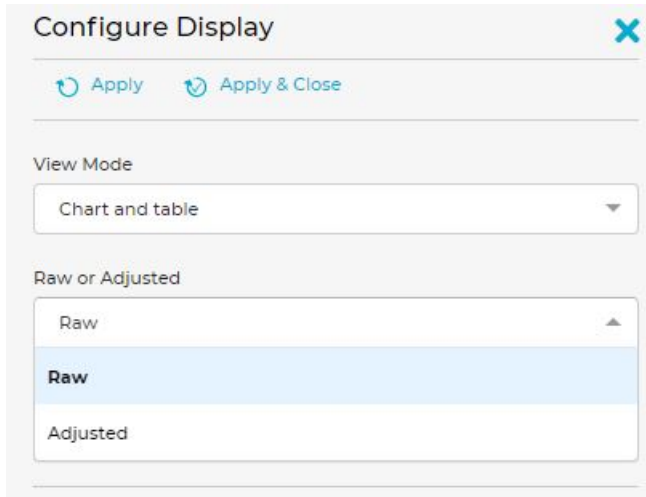
Note: Remove Selected in top filter will remove the colour assigned to the category value and change the status to Unassigned.

Colours that were defined in the material type of lithology type screens will be shown in the colour configuration screen. They can be changed in either screen.

Use the column filter in the category or status column to easily navigate the comprehensive list.

Stockpile Analysis - raw and adjusted datasets available

The stockpile analysis screen now provides the option to view raw balances or adjusted balances.

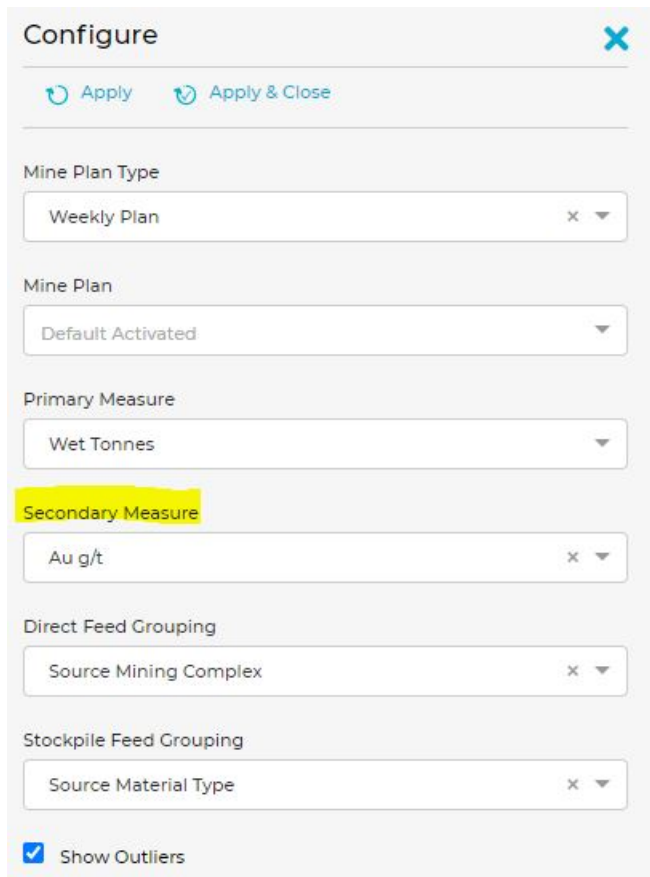


Note: that the adjusted balances are NOT adjustments, rather a rescaled "adjusted" value based on another value (that is, crusher weightometer value is being used to rescale parcels of reclaimed stockpile material).

The adjusted dataset is a custom dataset created by Datamine consultants for your site. Not all sites have an adjusted dataset, in which case raw will be the same as adjusted.

Crusher Feed - Categorical attributes available

All attributes available in your instance of Reconcilor, will now be available to select in the secondary measure filter of the crusher feed screen.



Configure

Apply Apply & Close

Mine Plan Type

Weekly Plan

Mine Plan

Default Activated

Primary Measure

Wet Tonnes

Secondary Measure

Au g/t

Direct Feed Grouping

Source Mining Complex

Stockpile Feed Grouping

Source Material Type

☒ Show Outliers

Material type/ Lithology type Group creation/management in UI

There are two new menu items under **Reference Data** whereby users with appropriate permissions can manage (add, edit, delete) material type or lithology type groups.

To create a new material type group, navigate to the screen and select **Add material type group**. This will allow you to enter a name and assign a colour (for charting) to the group.

Add Material Type Group



Add Material Type Group




Save Cancel

Name*

Colour Unassigned

To assign membership to the material type group, navigate to material types and on the material type name, select the edit icon. This will display the edit material type screen where you can update the group. Note that a material type or lithology type can only belong to one group.

Edit Material Type - High Grade

 Save  Delete  Cancel

Name*

High Grade

Alternative Name

5

Abbreviation

HG

Group*

Material

x

▼

Colour

Unassigned

Order Number*

1

Designation*

Ore

x

▼

Status*

Active

x

▼

Updated menu item for comparisons

The configuration menu now includes all comparison setups, while the new reference data menu allows updates to essential reference information such as material types, lithology, crushers, plants, and more. These updates aim to maintain an intuitive and user-friendly interface.

Mine Plan activation - new filter for active/inactive mine plans

The plan activation screen now provides a new filter for all, active only or inactive only plans. Ensure you apply the filter for the appropriate data to return.

Plan Activations

The screenshot shows the 'Plan Activations' interface. At the top, there are 'Save' and 'Reset' buttons. Below them are filters: 'Period' (2019 - 2021), 'Location' (All), 'Mine Plan Type' (3MP), and 'Activation Status' (Inactive Only). A search bar is on the left. The main area is a pivot table with columns for years (2019, 2020). The 'Activation Status' dropdown menu is open, showing options: 'All', 'Active Only', and 'Inactive Only' (which is highlighted in blue).

Contractor name available in Pivot View movement table

When using the pivot view and the movement table, under the dimension group of "movement" the contractor name is now available to display. The contractor name is also available as a custom filter.

The screenshot shows the 'Configure Data' dialog box. It has 'Apply' and 'Apply & Close' buttons at the top. Under 'Sources', 'Movement' is selected. Under 'Columns', 'No selection' is shown. A 'Select dimensions' section is expanded, showing a search bar and a list of dimensions: 'Movement' (expanded), 'Contractor Name' (checked and highlighted), 'Control Point Name', 'Movement Type', 'Raw Destination', and 'Raw Equipment Code'.

Pivot View - Default Edited

☒ Period 01 Jan 2023 - 31 Jan 2023 - 01 Mar 2023 - 31 Mar 2023

Custom

Filter Dimensions

Approval Status

Contractor Name

Control Point Name

Data Shift Id

Month Name	Metric Abbreviation	Metric Name	Wet Tonne
January 2023	GtM	GC to Mining	
	MD - CD	MD - CD	



Defect Fixes

Export all – nonresponsive on material movement table and view grade block table

Issue 1: Since the 9.7.0 release, the “export all” function on the material movement table and the View Grade Block / Block Survey table has been nonresponsive.

Resolution 1: The export all option has been reactivated and will export all records, including >1000 with full precision. Users can round values in csv/excel.

Upgrade Instructions: No specific actions are required to benefit from this bug fix. The update will automatically be applied during this upgrade.

Continuum performance degradation when attributes are selected

Issue 1: An issue was raised regarding the degradation of performance in the continuum when attributes are selected. It's important to note that not all sites will utilize attributes.

Resolution 1: This version has retained the performance on the continuum, regardless of whether a grade or attribute is selected.

Upgrade Instructions: No specific actions are required to benefit from this bug fix. The update will automatically be applied during this upgrade.

Pivot View charts

Issue: When the table and chart were selected in the pivot view, the chart appeared squashed at the bottom of the screen, leaving a large blank space between the table and chart that could have been better utilised.

Resolution: The margins on the charts have been minimised to assist in the chart controller using the space available to display the chat.

Upgrade Instructions: No specific actions are required to benefit from this bug fix. The update will automatically be applied during this upgrade.

Resolved Tickets – Reconcilor 9.8

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.

New Feature

- Full dimension colour customisability
- Allow the use of Windows credentials to install and run Reconcilor
- Material/Lithology Type Groups - Users to create and manage
- Comparison Management module
- Comparison Calculations
- Comparison Control Limit Colour Settings
- Continuum - Viewing Comparisons
- Additional Ordering of comparisons and metrics setting
- Continuum - Ordering of comparisons and metrics
- Trends - Ordering of comparisons and metrics
- Pivot View- Ordering of comparisons and metrics

Enhancement

- Relocate Reconcilor UI modules to Reconcilor repository
- Stockpile Analysis - Raw and Adjusted
- Crusher Feed - categorical attributes
- Data exports in pivot view retain the format (decimal places) as shown in the UI
- Mine Plan Activation Screen - New 'Activation Status' filter
- Exponentially back off the exceptions being raised by Reconcilor
- Contractor Name dimension missing from Pivot View
- Application settings / Reconcilor 8 compatibility - hide
- Trends/Model comparison - Configure Comparisons
- Trends/Model comparisons - View Comparisons
- Pivot View - Configure Comparisons
- Pivot View - Display Comparisons

- Reconcilor should add missing warehouse FactTypes automatically
- Additional Display Options for Trends Screen
- Missing grouping options on Mining Analysis Screen
- Enforce validation when attempting to delete referenced data related to comparisons
- Trends - colour preferences
- Pivot View - Add comparisons to metric type dimension
- Remove functionality related to Pivot Dimension Colour
- Restructure menu items under Configuration
- Move Crusher Feed Warehouse to Crusher Feed analysis route and remove old screen
- Help documentation updates

Defect Fix

- 9.5.1 - vm-rec-test:8000 - System Settings - Application Settings - Space is missing in the Continuum Settings screen
- 9.5.1 - vm-rec-test:8000 - Data Analysis - Pivot View - Operation Failed error appears when the Custom value is 'Mine Plan Start Date' / 'Mine Plan End Date'
- 9.6 - vm-rec-test2:8100 - System Settings - Import Schedules - Application allows the user to schedule a job with negative minutes
- Cowal - Bridging Haulage Import - causing duplicate grades
- 9.6 - vm-rec-test:8000 - System Settings - Import Schedules - Unable to navigate to View Schedule screen, when the minutes are in negative
- 9.6 - vm-rec-test:8000 - System Settings - Import Schedules - Incorrect validation appears though the parameter is not a mandatory field
- 9.6 - vm-rec-test:8000 - System Health - Import Health - Issues with Last recent Activity
- 9.6 - vm-rec-test:8000 - Stockpiles - Stockpile Management - Application goes into processing mode while adding a new stockpile
- 9.6 - vm-rec-test:8000 - Data Analysis - Model Comparison - Operation Failed error appears when the Designation value is blank
- 9.6 - vm-rec-test:8000 - Data Analysis - Continuum - Operation Failed error appears when the Designation value is blank
- 9.6 - vm-rec-test:8000 - Data Analysis - Continuum - Percent Change for Ag g/t, S% is showing incorrectly between Resource model and Grade Control Model

- 9.7 - vm-rec-test2:8100 - Stockpiles - Stockpile Management - Validation error appears in the Edit Stockpile screen, when Lithology Type is blank
- Pivot View (New) Difficult to select Values due limited vertical real estate within configuration panel
- Data exports - Current View only to export only what is visible in UI table
- Data exports - Export All will return all table values with full precision
- View Grade Block - Mining Activity table totals missing
- 9.7 - vm-rec-test2:8300 - Data Analysis - Pivot View - No validation appears when the period is selected as one year, also data does not display for the selected period
- Bug in warehouse ETL Processing when stockpile imported with no grades
- Continuum incorrectly displays grades that are configured with four decimals places
- 9.7 - vm-rec-test2:8300 - Data Analysis - Material Movement - Export All option is not working
- Right axis attributes not included in Trends / Model Comparison data table
- 9.7 - vm-rec-test2:8300 - Data Analysis - Model Comparison - legend icons are not in line with labels
- 9.7 - vm-rec-test:8500 - System Health - Data Issue Trends - Survey period dates are showing incorrectly on click Save link
- 9.7 - vm-rec-test:8500 - System Settings - Import Schedules - Unable to update empty schedule
- 9.7 - vm-rec-test:8500 - Configuration - Control Points - Duplicate control point validation appears incorrectly in the management grid
- 9.7 - vm-rec-test:8500 - System Health - System Logs - Column filters are not working in the grid
- 9.7 - vm-rec-test:8500 - Stockpiles - Stockpile Management - Last Adjustment (Shift) value is not populated
- 9.7 - vm-rec-test:8500 - Grade Block - View Grade Block - Operation Failed error appears when the user clicks on the 'Export All' option in the Block Survey table
- Crusher Feed or Mining Analysis queries without groupings and the hide unknown display option generate errors
- Enforce consistent colour interpretation with application settings
- Continuum performance is severely impacted when attributes are selected
- Stockpile Analysis - activity chart balance is disappearing at intervals

- Comparison calculation data cached by measures API call
- Imports - Exception has been thrown by the target of an invocation.
- Comparison calculations - pre-populate table
- Pivot view - charts are too small when chart and table is selected
- Removed comparison values still populated by dacpac
- Analysis query location filters on batch instead of fact transaction
- Pivot view pro-rata calculations not calculating grades or attributes correctly
- Unexpected reports of incompatible pivot query errors
- Model Cell Attribute import template fields incorrect

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