RISE Release 2.11.0

January 19, 2023

Release Description

RISE Release 2.11.0 is a minor release. It addresses 56 issues, including eight bugs and 13 additional changes to the RISE website; two changes to the RISE map interface; nine bugs and 21 changes to the Data Administration User Interface; one data acquisition change; and two API changes. Changes to the RISE website include the addition of a filter for Parameter Timestep on the query page, improvements to hovering over values, pinning values, and zooming in on interactive plots, and modifications to allow users to query and download time series datasets that have results across vertical and/or lateral profiles. Changes to the map interface include the addition of two fields in the location popup that show whether geospatial and file upload items are associated with the location. Changes to the Data Administration User Interface include the addition of a vertical datum field to the catalog items form to allow users to specify a vertical datum for an item in addition to the datum for the item's associated location, modification of links for adding new managed vocabulary entries from Data Admin UI forms to open in modals instead of in new tabs, the addition of columns and new filtering and sorting options to the records and items lists to assist users in determining which record or item to view, the addition of edit and close buttons to each form view page, the addition of fields on the Add Item form for time series items to allow users to specify vertical and/or lateral profile characteristics, and an expansion for viewing a list of items associated with each record in the My RISE Datasets table.

Issues Addressed in this Release

RISE Website (publicly accessible)

Issue #	Issue Title	Issue Resolution
599	Fix Alignment of Associated Items and Related Records	On the Catalog Record Details Page, under ASSOCIATED ITEMS, RELATED RECORDS, and MORE ITEMS FROM THIS ITEM'S CATALOG RECORD and on the Location Details page under ASSOCIATED DATASETS, the alignment of entries was fixed so that the first line of an entry is now left justified and subsequent lines are indented rather than having the first line of an entry indented and subsequent lines left justified.

Issue #	Issue Title	Issue Resolution
618	Clear Out Query URL When Location Selections are Deleted	The URL of the time series query was not being updated when a user deleted location selections, resulting in an incorrect URL being present in the browser's address bar. The issue was fixed so now when a location is removed from the Query selection all related URL information is removed.
640	Adjustments to Item Details Page	The section headings on the Catalog Item Details page did not match the current item structure terminology and there was missing parameter information in the Temporal Information Section. Updates to terminology include renaming the Temporal Information Section to "Time Series Information" and the "Spatial Information" section to "Uploaded File Information." The following additional information was added to the Temporal Information (Time Series Information) section on the Catalog Items Details page: Parameter Name, Parameter Group, Parameter Transformation, Parameter Units, Modeled/Observed.
651	Clear Help Search Bar Entry When User Leaves Help Page	On the Help search page, when entering a search term in the Search bar, the Search term remained after leaving the page. This was corrected so now the Search bar is cleared when leaving the Help search page.
657	Remove IE-specific Code	Microsoft IE support ended on June 17, 2022. IE-specific code was removed from RISE.
917	Rename Administrative Regions Field on Catalog Details Pages	On the Catalog Record Details Page, the Catalog Item Details Page, and the Location Details Page, the region field was labeled "Administrative Region" but the RISE guidance for data stewards was to enter the region where the location is physically located. The field label was changed to "Unified Region(s)" to avoid implying that the region was the region that is administratively responsible for the location.

Issue #	Issue Title	Issue Resolution
919	Adjustments to Interactive Plotting	Several issues with Interactive Plotting were addressed for both desktop and mobile viewing, including the ability to hover datetimes with "Null" values to see that the value is null and labeled as such, with the vertical line showing but not the node; for plots with multiple lines, the datetime now appears in the upper right corner of the plot. Curser changes and a missing date label on the x-axis were added, among other adjustments to desktop interactive plotting features. Changes were also made on the mini plot, with the zoom window recentering where the user clicks. The font color was changed from blue to black for observed time series and modeled time series with no model run members to distinguish it from the axes and other parts of the plot. Additionally, a new label was added above the mini plot display stating, "Drag handles to change timeframe displayed in main plot". An Unpin button was also added to the left of the Hide All button. The Unpin button is disabled until a value is pinned. Values are not updated in the legend until the user clicks the Unpin button or pins a new value.
921	Add Filter for Parameter Timestep to Query Page	Previously, there was no option to find time series locations based on the Parameter Timestep. A filter for Parameter Timestep was added between the Parameter Group and Modeled/Observed filters. The filter options are ordered by the length of the timestep.
928	Change Title of Coordinates Heading in CSV and JSON	The title of the coordinates heading in the time series CSV download file and the coordinates field in the time series JSON download file were changed to "Coordinates (long, lat)".
936	Upgrade to PHP 8	Upgraded PHP to PHP 8.
944	BUG: Display Both Queried and Plotted Data Ranges	On the Time Series Query Page Generate Outputs step, both the queried date range and the plotted date range used to be displayed for each plot, but the plotted date range was inadvertently removed in a prior release, The plotted date range was added back to the plot.
956	BUG: Allow Users to Download Release Notes from the Release Notes Page	On the Release Notes page, a bug was not allowing users to download the files. Now, when a user clicks on an available Release Notes PDF, the PDF can be opened and/or downloaded.

Issue #	Issue Title	Issue Resolution
959	Bug: Emails Not Being Sent from Contact Page	A bug was discovered on the Contact Us page in Test with emails not being sent. The bug was fixed, and emails are now sent.
967	Capture Profile Measurements: Front End	Changes were made to the Time Series Query page to accurately label items with vertical and/or lateral profiles. On the Select Locations Step, profile items are displayed with a label of "Profile" in the location expansion. On the Specify Query step, profile outputs are displayed with a label of "Profile – Output". On the Generate Outputs step and downloaded plot image, profile outputs are displayed with "Observed" in the plot title along with the name of the profile.
968	Capture Profile Measurements: Download	Changes were made to the Download CSV and Download JSON files to accurately label time series with vertical and/or lateral profiles. In the Download CSV files, the Profile Name, Profile Description, and Attributes were added as metadata in a section called "#PROFILE INFORMATION#", the section heading for the results was set to "#PROFILE DATA#", and a column was added to the results data table to display the profile member. In the Download JSON files, the Profile Name, Profile Description, and Attributes were added as name-value pairs, and a name-value pair for the profile member was added to the results object. Additionally, in the Download CSV files, a column was added to the #MODEL DATA# table to list the model run member and in the Download JSON files, a name-value pair was added to the results object for the model run member.
969	EPIC: Capture Profile Measurements	This ticket is an "EPIC" that links the related tasks described in tickets #718, #966, #967 and #968.
970	Time Series Search Selection Slow	A change was made to alleviate a bottleneck in the code that generates the add/remove links beside selected locations and search results in the Time Series UI. The code is now optimized such that a user can add many locations without a freeze in the UI between the addition of each.

Issue #	Issue Title	Issue Resolution
975	Missing Filter Options Under "Reclamation Region (Legacy)" Filter	Missing filter options in the Reclamation Region (Legacy) filter on the Time Series Query page were added back to the filter.
984	Bug: Model Run Selection is Automatically Unselected	A bug was discovered when selecting profiles or model runs. When a profile or model run was selected and the user attempted to select an additional profile or model run, the first would automatically be unselected. Now when more than one profile or model run is selected, the previous selections remain.
985	Bug: Parameter Group Filter Does Not Work	A problem with the Parameter Group filter on the Time Series Query page that caused the filter to not work was resolved.
999	Bug: CSV and JSON Downloads Do Not Work for Non-Point Location Geometries	The code for generating the CSV and JSON Time Series Download files was updated to allow files to be generated for line and polygon location geometries.

Map Interface (publicly accessible)

Issue #	Issue Title	Issue Resolution
958	Modify Script that Updates RISE Location Layers	The script for updating the locations in the RISE Map Interface from the RISE database was modified to correctly populate the "has time series", and "has geospatial" fields.
931	Indicate if Geospatial Data and File Uploads Data is Associated with the Location	Information was added to the RISE Map Interface popup indicating whether geospatial item(s) and/or file upload item(s) are associated with the location.

API (publicly accessible)

Issue #	Issue Title	Issue Resolution
502	Update API Platform to latest	The API Platform was updated to latest version, 2.6.8, and Symfony was upgraded to version 6.1.3.

Issue #	Issue Title	Issue Resolution
718	Capture Profile Measurements: Database and API	To enable time series data collected across vertical and/or lateral profiles to be stored in RISE using the modeled data fields, a field called hasProfile was added to the database to identify whether an item has a profile, and the API was updated to return locations based on both the isModeled property and the hasProfile property.

Data Administration User Interface (not publicly accessible)

Issue #	Issue Title	Issue Resolution
297	Add Vertical Datum Field to Catalog Item	Fields were added to the RISE database and the Add Item form in the Data Admin UI to allow users to specify a datum for an item in addition to the datum for the item's associated location. Also added the option to specify whether a datum is a local datum to the Add Vertical Datum form in the Data Admin UI, and if so, to provide conversions to NAVD88 and/or NGVD29.
544	Update Dropdown Menu Options After New Managed Vocab Values are Added	The behavior of "Add New___" links in Data Admin UI forms was modified to open the links in modals (similar to popups) instead of in new tabs. Add New forms accessed via the Data Admin menu still open in new tabs. Also added automatic updating of dropdown lists when users add new entries using the "Add New _____" links from Data Admin UI forms and added a "Refresh Dropdown List" button to dropdown fields so that users can manually refresh the list if they add a new entry using the Data Admin menu.
613	Prevent Duplicate Parameters	To help users avoid entering duplicate parameters, the Add Parameter form now compares the Parameter Group, Parameter Timestep, Parameter Transformation, and Parameter Unit of the entered parameter to all existing parameters and presents possible matches to the user. Users are then given the option to cancel creation of the new parameter or continue submitting the new parameter.
629	Data Admin UX - Table Column Changes to Support Editing Decisions	Information was added to the Catalog Records List and Catalog Items List in the Data Admin UI to help users determine which record or item to view or edit. The Catalog Records List and Catalog Items List now include Location ID and Name, Generation Effort Name, and Data Contact, Manager, and Owner emails. The Catalog Items list also

		now includes information specific to time series, geospatial, or file uploads, depending on the structure of the item. Additional sorting and filtering options corresponding to the new fields were also added.
646	Modify geoJSON Checkbox	A checkbox in the Location Add Form was changed to a slider button to better align with the instructions, which say to "toggle" to the geoJSON field.
656	Parameter Unit Table changes	Data Admin UI and database changes were made to ensure consistency in defining parameter units. The Parameter Unit Add form now includes fields for the unit abbreviation, the full unit name, and a definition of the unit.
686	Link ID Values to View and Allow Edits	To improve navigation through the Data Admin UI, Catalog Record IDs, Catalog Item IDs, Location IDs, Parameter IDs, Publication File Set IDs, and Entity IDs, were linked to their corresponding form View pages and View options were added to the Operations menu for all managed vocabularies. Edit and Close buttons were also added to each View page.
749	Update Instructions on Add Tag Form to Include Defining Acronyms	The instructions for the tag field on the Catalog Tag Add Form and the Location Tag Add Form were updated to specify that tag values should include both the full tag value and the acronym.
775	List Items on the My RISE Datasets page	An expansion to view item-level information was added to the My RISE Datasets table to aid users in more easily locating catalog items within the list of catalog records. Additional changes were made to aid in navigation, including linking Record IDs and Items IDs to their corresponding View pages, adding filtering on Location ID and Generation Effort, and adding on Location ID, Location Name, and Generation Effort Name.
793	Operations Menu/Button - Always a Menu and No Default Option	The Operations Menu/Button was modified so that it always displays as a menu labeled "Select Operation", even when only one operation is available.
794	Parameter Units Character Length	On the Parameter Unit Add Form, the minimum required length of the value in the Parameter Units field (changed in ticket #656 to Parameter Unit Abbreviation field) was changed from at least 2 characters in length to 1 character or greater.

812	Broken Login button at http://140.215.112.40/admin/rise	The old URL for the RISE Data Admin UI login page, which no longer worked, was redirected to the new login page.
834	Update Drupal to 9.3.3 (minimum)	Drupal was updated to 9.4.5.
858	Do Not Allow a RISE Location to Have Greater Than 20 Vertices	A 20-vertex limit and corresponding warning and error messages were implemented on the Location Add Form for line and polygon locations to prevent users from creating location geometries with more than 20 vertices. Users will now see a warning popup when they reach 20 vertices, and error messages will appear when the user attempts to save a location with more than 20 vertices. Note: additional work related to error messaging for exceeding 20 vertices will be completed in Release 2.12.0.
861	Publication File Set is not showing correct item status	When selecting View Items from a Publication File Set, in the Catalog Items List, the correct item status was not showing. This was fixed so now the correct status is shown for Publication File Sets.
862	Login Text Update	Text was changed to correct login instructions, which now state, "please login below with your Active Directory credentials. You must be on the DOI network or VPN."
869	Catalog Item - Instruction change to Geospatial Open data URL Field	The instructions for the Catalog Item ArcGIS Spatial Open Data URL field on the Add Item Form were changed to, "Input the link to the ArcGIS Online item corresponding to this RISE Catalog Item. Please ensure that you have shared the ArcGIS Online item to the RISE Data Manager Review group in ArcGIS Online."
888	Messaging Improvements for Deleting managed vocabulary Values	Changes to messaging shown when a user attempts to delete a managed vocabulary value were made to provide additional information on the confirmation page about the value they have selected for deletion.
907	EPIC: Update Data Admin UI Form and Field Instructions	Specific changes for this EPIC are listed in #749, #869 and #873.
911	Bug in Conversion from Rectangle to Polygon	A bug in the Location Add Form was discovered. On the Add Location Form, click map, when converting a rectangle to a polygon then clicking edit layers on the map, the same editing options as are available for editing the rectangle and user is not able to add vertices or change the location of the vertices to not be at right angles. The bug was fixed and now editing options change to polygon options when converting a rectangle to a polygon.

924	Link the RISE Data Publication Manual	A link to the RISE Data Publication Manual was added to the instructions for Catalog Records roles on the Catalog Record Form.
939	Change the Catalog Item Location Display	The formatting of the Catalog Item Location Name field on the Catalog Item Add Form was modified to clearly indicate that the field value cannot be changed, and the field title was updated to indicate that the value is inherited from the Catalog Record.
945	Prevent Users from Creating Tags with Commas	For both Catalog Tags and Location Tags, a change was made so that users are unable to add a tag with a comma or a semicolon. If this is attempted, users will now receive an error message stating, "Tags cannot include commas or semicolons."
954	BUG: Catalog Record Title is not Autogenerated	A bug on the Catalog Record Add Form that prevented a suggested Record Title from being autogenerated was fixed. Users now have the option to select the suggested title or enter their own title.
957	Bug: Issue with Some Rows Not Being Displayed When Sorted by Create Date	A bug that resulted in some values not being displayed in the Matrices, Model Names, Projects, Groups, and Units lists when sorted by "create date" was fixed. All values are now being displayed when sorted by "create date".
961	Add Parameter Timestep Field to Data Admin UI	To support the addition of the Parameter Timestep filter on the Time Series Query page (see issue #921), a field was added to the Add Parameter Timestep Form to specify the parameter timestep value in minutes. The value of this field is used to sort the filter options on the Time Series Query page.
966	Capture Profile Measurements: Drupal	The Catalog Item Add Form was modified to allow users to specify whether the time series represents observed values, observed values along a vertical and/or lateral profile, or modeled values. Depending on the user's selection, the form then populates database fields and displays additional fields for users to specify profile or model-specific information for the time series.
973	Adjustments to Messaging Improvements for Deleting Managed Vocabulary Values	Additional changes to messaging when deleting managed vocabulary values were implemented in addition to the changes in issue #888.
974	Bug: Incorrect Status is Showing in Lists	A bug that caused an incorrect status to be displayed on the View page for catalog records, catalog items, parameters, and locations when the logged in use has the "Data Creator" role was fixed.

976	My RISE Datasets Section is Empty on Data Admin Page	A bug that caused the My RISE Datasets list on the page accessed by clicking on the Data Admin button to be empty even though the logged in user had associated datasets was fixed.

Content Administration User Interface (not publicly accessible)

Issue #	Issue Title	Issue Resolution
N/A	None	N/A

Database (not publicly accessible)

Issue #	Issue Title	Issue Resolution
N/A	None	N/A

Data Acquisition (not publicly accessible)

Issue #	Issue Title	Issue Resolution
813	Create User Friendly URL for Time Series Ingestion Dashboard	A user-friendly URL for internal time series ingestion dashboard was added.