
STUDBOOK TOOLS

The Reports and Tools that are found under the Tools menu in ZIMS for Studbooks.

Contact support@Species360.org

The Tools menu is found in the left hand Dashboard when any of the Studbook Lists are open (Living Animals, All Animals, Suggested Animals and Pending Updates).

Tools Covered

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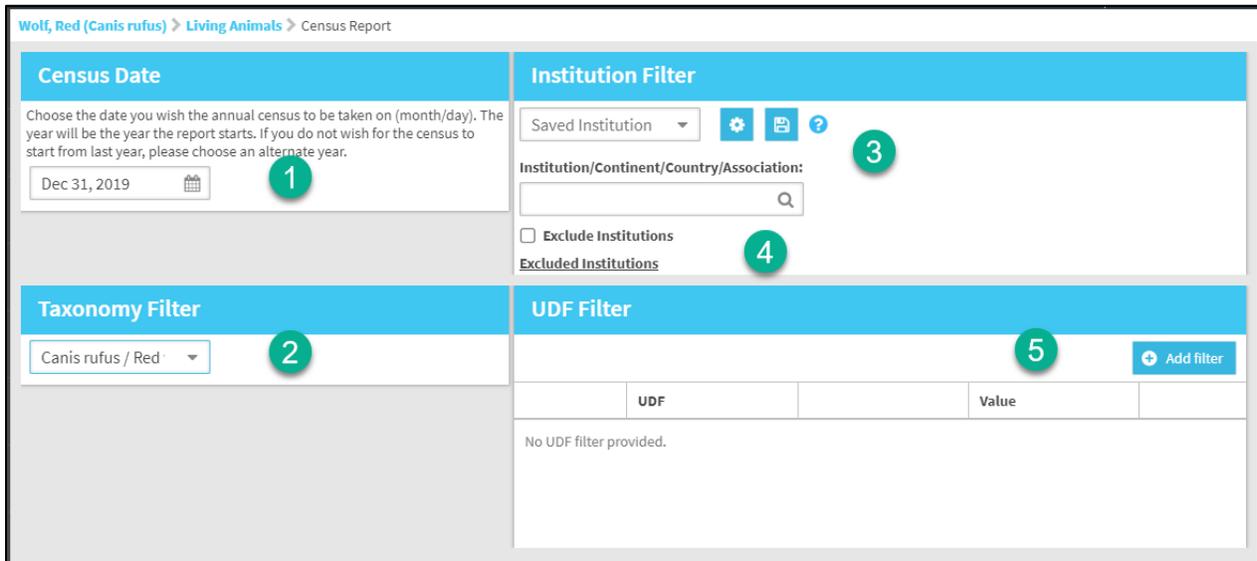
[Institutional Holdings](#)

[Pedigree](#)

[Data Export](#)

Census Report and Graph

This Report will display a yearly census taken on the date specified. The first part (left side) of the report provides the Census count, the second part (right side) details how that count was produced.



Wolf, Red (Canis rufus) > Living Animals > Census Report

Census Date
Choose the date you wish the annual census to be taken on (month/day). The year will be the year the report starts. If you do not wish for the census to start from last year, please choose an alternate year.

Dec 31, 2019  **1**

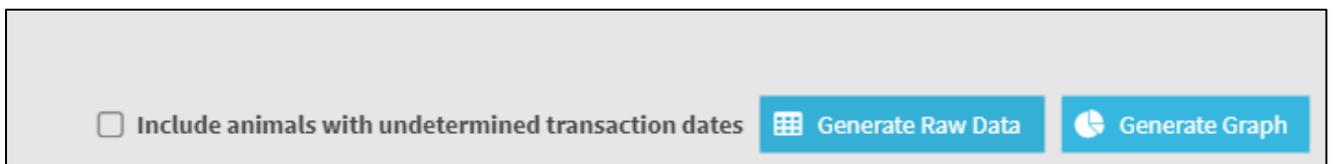
Taxonomy Filter
Canis rufus / Red **2**

Institution Filter
Saved Institution    **3**
Institution/Continent/Country/Association:
 
 Exclude Institutions **4**
[Excluded Institutions](#)

UDF Filter **5** 

UDF	Value
No UDF filter provided.	

1. Select the date you want the Census taken on, often this is the first or last date of a year. By default, it will start from last year and run through the earliest year recorded in your Studbook.
2. Select the Taxonomy to be covered in the Census. Some Studbooks cover multiple subspecies.
3. You can select specific Institutions, Continents, Countries or Associations to run the report for. You can also save these filters for later use.
4. In reverse, you can select to Exclude specific Institutions.
5. You can select to filter the Report on selected UDFs (User Defined Fields).



Include animals with undetermined transaction dates  

When you are done selecting your filters you can select to include animals with undetermined transaction date, Generate Raw Data (create the Report) or Generate Graph.

*Note, viewing Raw Data will provide you the option to view columns listing the total count

of holding institutions for that year and the total count of breeding holders for that year:

Year	Annual Lambda (Captive)	Geometric Mean (...)	Institutions	Breeding Instituti...	Captive Births	Deaths	Enter	Exit	Transfer
2021	000	-	51	0	0 (0.0.0)	0 (0.0.0)	0 (0.0.0)	0 (0.0.0)	0 (0.0.0)
2020	962	0.981 (last 2 years)	51	6	25 (4.5.16)	63 (23.26.14)	0 (0.0.0)	0 (0.0.0)	1 (1.0.0)
2019	018	0.993 (last 3 years)	51	8	89 (42.33.14)	71 (43.20.8)	0 (0.0.0)	0 (0.0.0)	92 (31.0.0)
2018	050	1.007 (last 4 years)	47	12	136 (67.55.14)	89 (47.33.9)	0 (0.0.0)	0 (0.0.0)	46 (45.0.0)

If you select Generate Raw Data, the Report will display. This is the left-hand side of the Report and supplies the Census count by Population Size, Wild Born and Captive Born.

- 1.You can go back to your filters to create new ones.
- 2.The filters you have selected will display.
- 3.You can also View Graph from this screen.
- 4.You can download the data to Excel.
- 5.The numbers are hyperlinks that will open a list of the animals.

Year	Population Size	Annual Lambda (N)	Geometric Mean (N)	Wild Born	Undete...	Captive Born	Annual Lambda (Captive)	Geometric Mean (...)	Captive Births
2019	31 (13.18.0.0)	1.033	-	4 (2.2.0)	0 (0.0.0)	27 (11.16.0)	1.080	-	2 (1.1.0)
2018	30 (12.18.0.0)	1.000	1.016 (last 2 years)	5 (2.3.0)	0 (0.0.0)	25 (10.15.0)	1.042	1.061 (last 2 years)	1 (0.1.0)
2017	30 (13.17.0.0)	1.034	1.022 (last 3 years)	6 (3.3.0)	0 (0.0.0)	24 (10.14.0)	1.043	1.055 (last 3 years)	2 (1.1.0)
2016	29 (13.16.0.0)	0.829	0.970 (last 4 years)	6 (3.3.0)	0 (0.0.0)	23 (10.13.0)	0.821	0.991 (last 4 years)	3 (1.1.1)
2015	35 (16.19.0.0)	1.000	0.976 (last 5 years)	7 (3.4.0)	0 (0.0.0)	28 (13.15.0)	1.000	0.992 (last 5 years)	1 (0.1.0)
2014	35 (17.18.0.0)	0.946	0.971 (last 6 years)	7 (3.4.0)	0 (0.0.0)	28 (14.14.0)	0.966	0.988 (last 6 years)	0 (0.0.0)
2013	37 (19.18.0.0)	1.000	0.975 (last 7 years)	8 (4.4.0)	0 (0.0.0)	29 (15.14.0)	1.000	0.990 (last 7 years)	0 (0.0.0)
2012	37 (19.18.0.0)	1.028	0.981 (last 8 years)	8 (4.4.0)	0 (0.0.0)	29 (15.14.0)	1.036	0.995 (last 8 years)	1 (1.0.0)
2011	36 (18.18.0.0)	1.059	0.990 (last 9 years)	8 (4.4.0)	0 (0.0.0)	28 (14.14.0)	1.077	1.004 (last 9 years)	2 (1.1.0)

This is the right-hand side of the Report and supplies details of the Census such as Births, Deaths and Wild Captures. Note that the year column is frozen so it is always visible even if you scroll to the right.

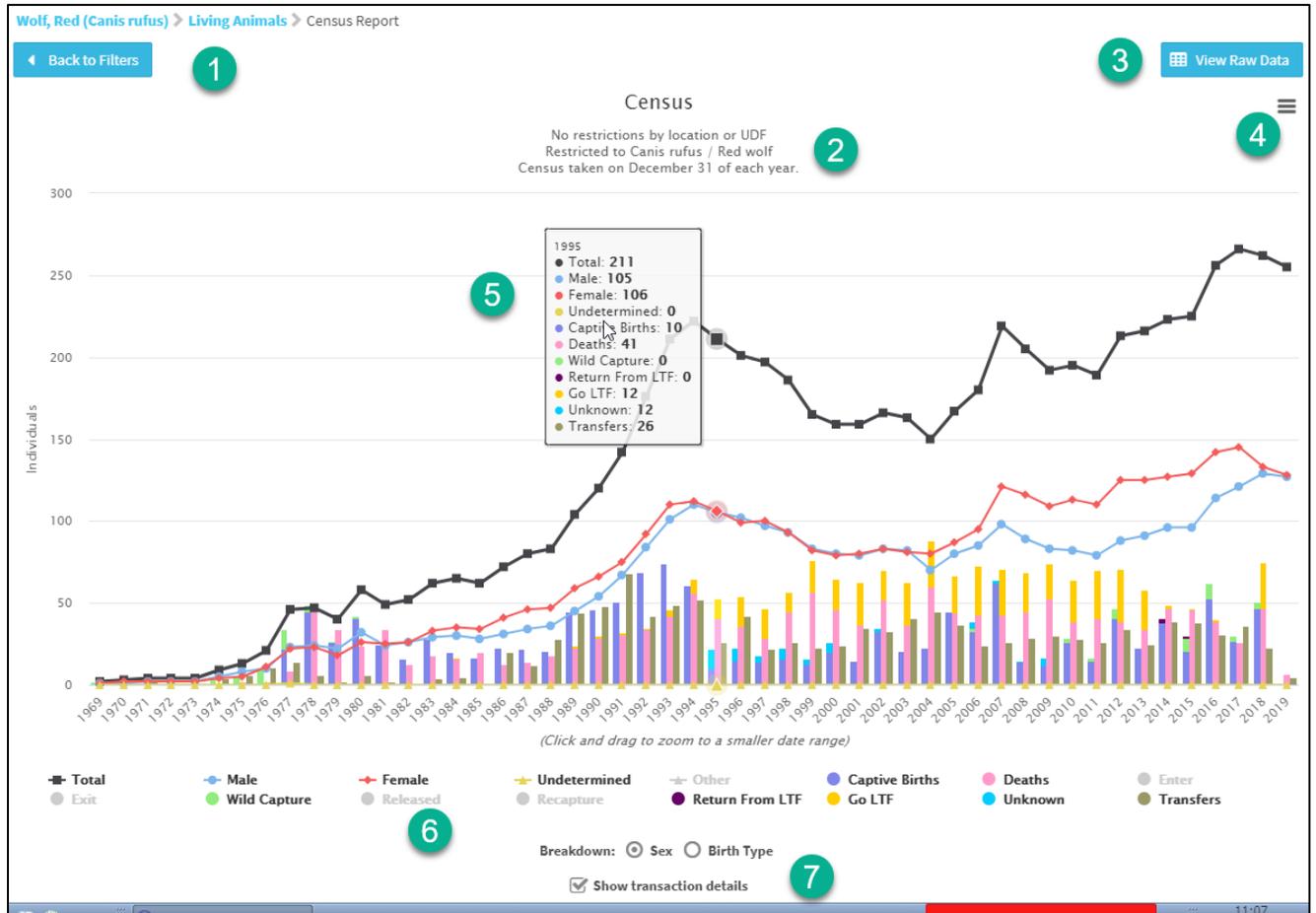
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Wolf, Red (*Canis rufus*) > Living Animals > Census Report

[Back to Filters](#) No restrictions by location or UDF
Restricted to *Canis rufus* / Red wolf
Census taken on December 31 of each year.

Mean (...)	Captive Births	Deaths	Enter	Exit	Transfer	Wild Cap
	0 (0.0.0)	7 (2.5.0)	Sort Ascending	0 (0.0.0)	5 (5.0.0)	0 (0.0.0)
2 years	47 (25.14.8)	47 (17.22.8)	Sort Descending	0 (0.0.0)	23 (12.11.0)	4 (2.2.0)
3 years	27 (14.11.2)	26 (12.12.2)	Columns	<input checked="" type="checkbox"/> Year		3 (0.3.0)
4 years	53 (25.28.0)	39 (12.27.0)		<input checked="" type="checkbox"/> Population Size		9 (4.5.0)
5 years	21 (10.8.3)	46 (23.20.3)		<input checked="" type="checkbox"/> Annual Lambda (N)		8 (2.6.0)
6 years	38 (17.20.1)	47 (24.22.1)		<input checked="" type="checkbox"/> Geometric Mean (N)		0 (0.0.0)
7 years	23 (10.12.1)	34 (15.18.1)		<input checked="" type="checkbox"/> Wild Born		0 (0.0.0)
8 years	41 (17.24.0)	39 (15.24.0)		<input checked="" type="checkbox"/> Undetermined Born		6 (2.4.0)
9 years	15 (6.8.1)	41 (23.17.1)		<input checked="" type="checkbox"/> Captive Born		2 (1.1.0)
10 years	26 (12.11.3)	39 (21.15.3)		<input checked="" type="checkbox"/> Annual Lambda (Captive)		3 (2.1.0)
11 years	12 (7.5.0)	53 (25.28.0)		<input checked="" type="checkbox"/> Geometric Mean (Captive)		0 (0.0.0)
12 years	14 (6.7.1)	45 (24.20.1)		<input checked="" type="checkbox"/> Captive Births		0 (0.0.0)
13 years	62 (23.37.2)	43 (20.21.2)		<input checked="" type="checkbox"/> Deaths		0 (0.0.0)
14 years	33 (13.20.0)	43 (21.22.0)		<input checked="" type="checkbox"/> Enter		0 (0.0.0)
15 years	45 (25.20.0)	44 (27.17.0)		<input checked="" type="checkbox"/> Exit		2 (1.1.0)
16 years	23 (8.14.1)	60 (34.25.1)		<input checked="" type="checkbox"/> Transfer		0 (0.0.0)
17 years	21 (9.12.0)	37 (15.22.0)		<input checked="" type="checkbox"/> Wild Capture		0 (0.0.0)
18 years	33 (16.17.0)	52 (25.27.0)		<input checked="" type="checkbox"/> Go LTF		0 (0.0.0)
19 years	15 (6.9.0)	37 (20.17.0)		<input checked="" type="checkbox"/> Return from LTF		0 (0.0.0)
20 years	20 (7.12.1)	46 (23.22.1)		<input checked="" type="checkbox"/> Released		0 (0.0.0)
				<input checked="" type="checkbox"/> Recapture		0 (0.0.0)

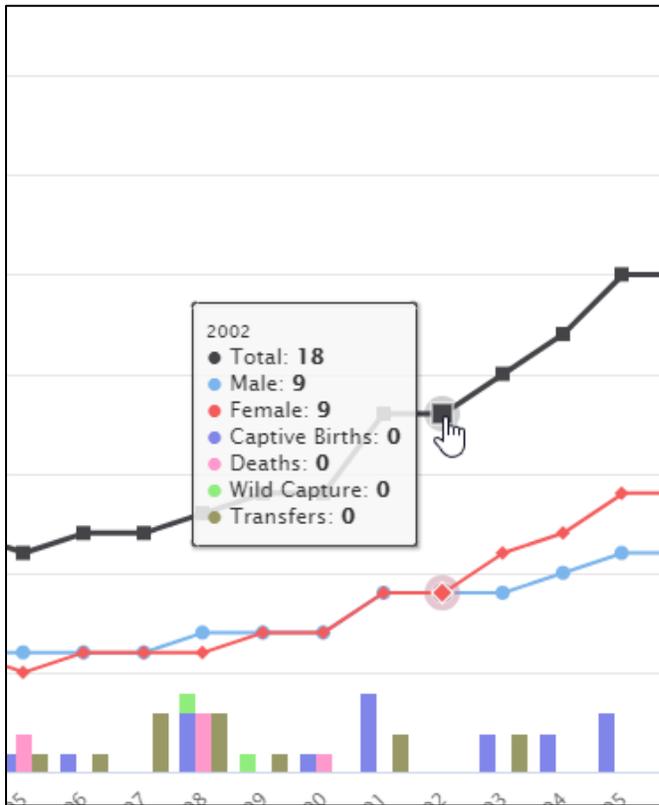
By selecting the arrow to the right of any column, the columns can be sorted Ascending or Descending. They can also be customized to display only the information you want to see. If you export to Excel, the data will export as it displays on the screen. The column customization will hold as set when the Studbook is closed.



You can select to View Graph from either the filter screen or the results grid.

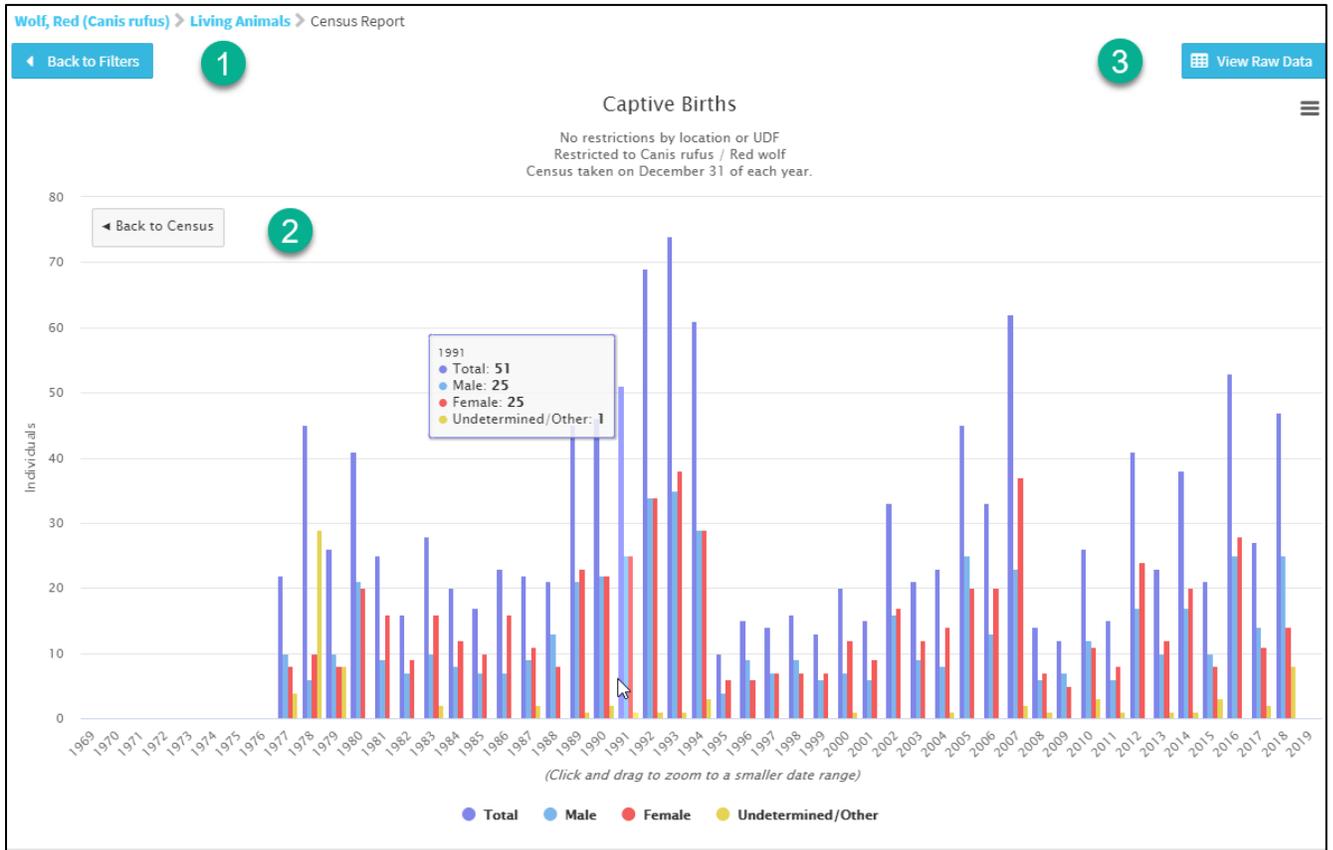
- 1.Go back to your filters using the Back to Filters button.
- 2.The filters used for the graph display at the top.
- 3.You can view the raw data from this screen.
- 4.Use the hamburger icon to view in Full Screen, print the chart or download to various formats.
5. Hovering over any point in the graph will display the details for that year.
- 6.Clicking on a field allows you to remove it from the Graph.
- 7.You can run the Graph by Sex or Birth Type and you can select to include transaction details.

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Hovering over the dots will display the counts for the year. Left clicking on the dots will bring up a list of the animals.

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Double clicking on the transaction details bars will bring up another graph that displays sex type.

- 1.To go back to the filters select Back to Filters
- 2.To go back to the graph, select Back to Census
- 3.To view the data select View Raw Data

To select a smaller time frame, left click and drag your mouse over the desired area.

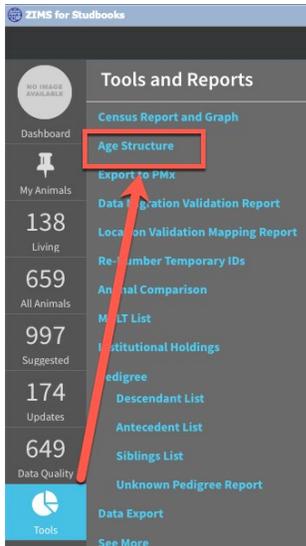
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Age Structure

Click here for a [video overview of the Age Structure tool](#).

To access Age Structure, open the Tools menu while inside of your desired studbook:

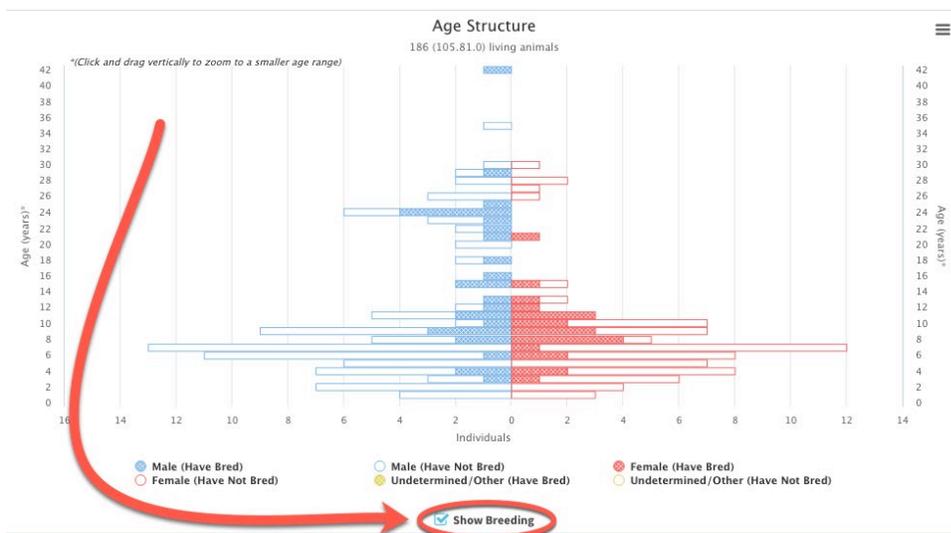
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Note: Animals with undetermined age estimates are removed by default. Select the filter to include them if desired.



Click “show breeding” button at the bottom of the chart to include:

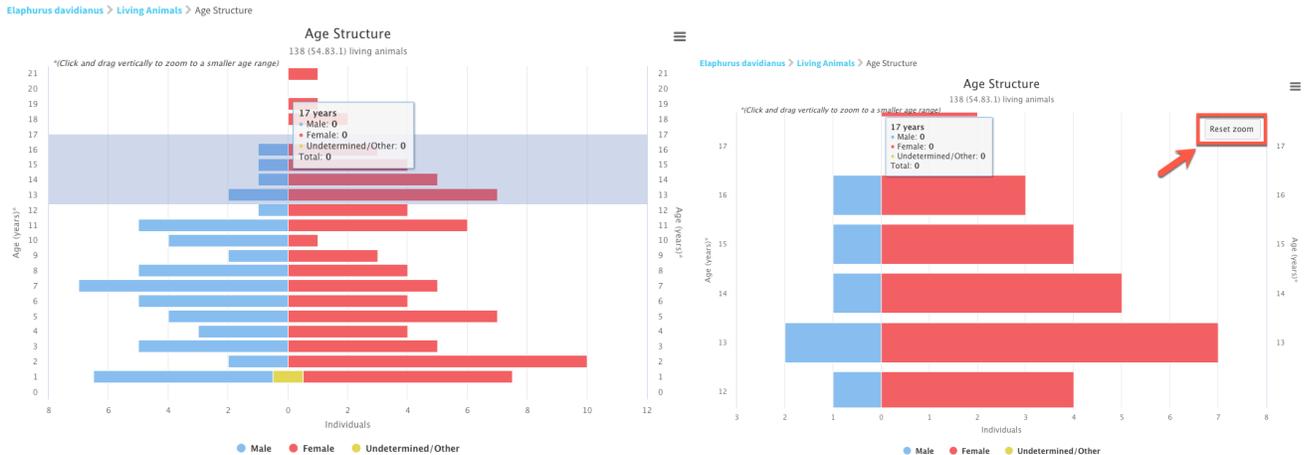


- Males that...
 - Have Bred
 - Have Not Bred
- Females that...
 - Have Bred
 - Have Not Bred

- Undetermined/Others...
 - Have Bred
 - Have Not Bred

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To select a specific set of age classes, left click and drag your mouse over the desired area.



The selected data will be displayed – you can reset the view to include all data by pressing the ‘reset zoom’ option.

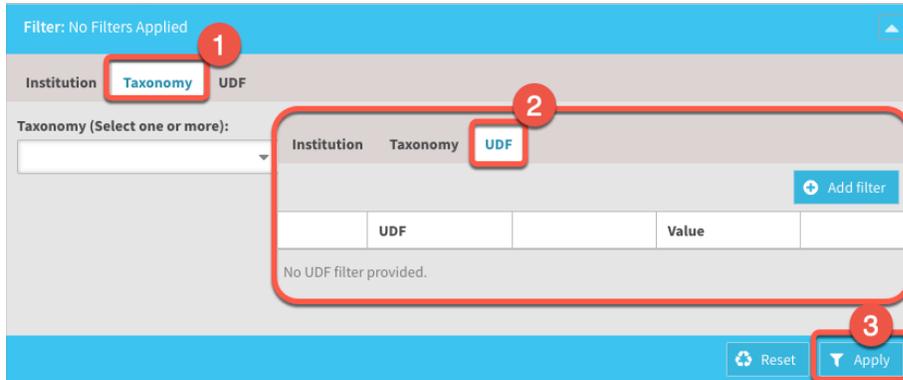
Additional filters available:

The screenshot shows the filter menu for institutions and associations. Callout 1 points to the filter menu icon. Callout 2 points to the 'Institution' filter section. Callout 3 points to the 'Included Institutions' and 'Associations' lists. Callout 4 points to the 'Exclude Institutions' checkbox.

1. Expand the filter menu
2. Institution Filters and saving filters are available here
3. Included institutions and associations are added here and display at right
4. Check box to exclude institutions will allow you to select specific holders

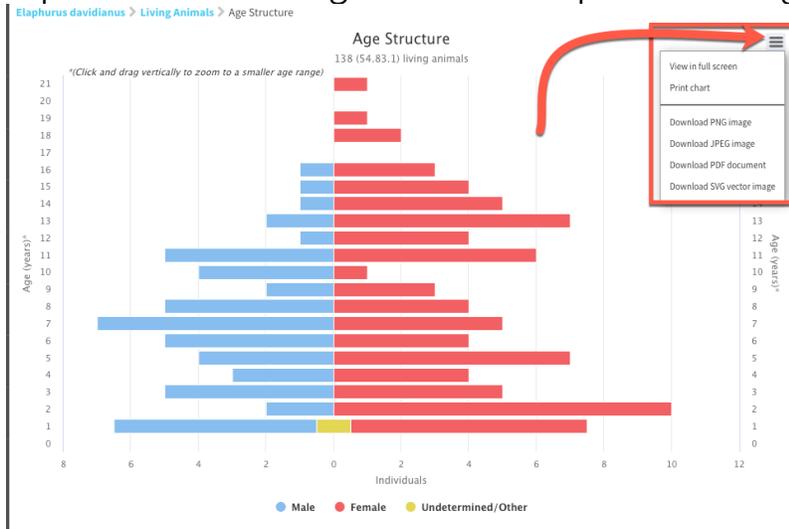
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Taxonomy and UDF Filters:



- 1) Filter by taxonomies that are assigned to the current studbook
- 2) And/Or apply UDF filters from existing UDF options in the current studbook

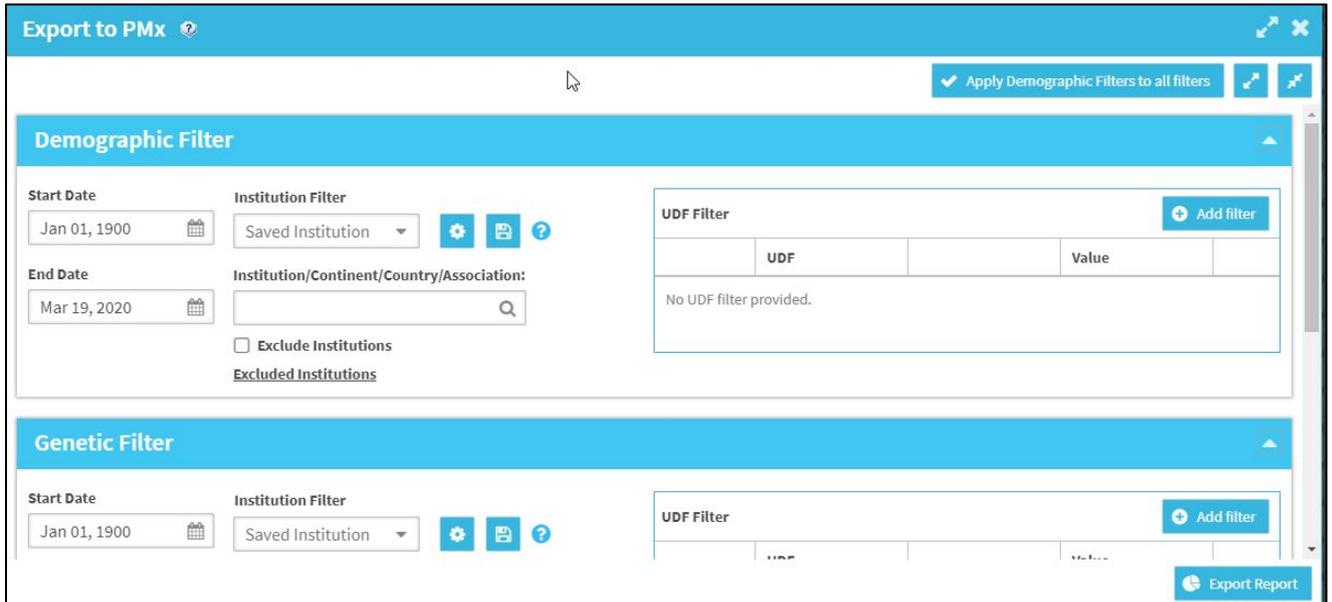
Export the data to image files via the top left 'hamburger menu'.



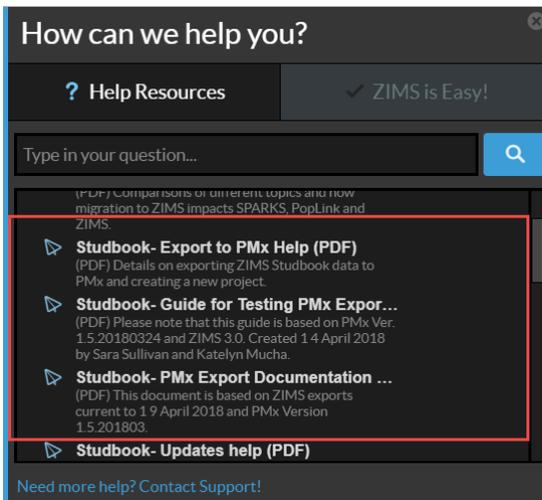
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Export to PMx



The Export to PMx is used by Population Managers when making recommendations.



You can find additional information and instructions on how to export your data to PMx for analysis under the Help menu in ZIMS.

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Data Migration Validation Report

Data Migration Validation Report			
Studbook Name	Canis rufus	Taxon Name	CANIS RUFUS
Studbook Format	PopLink	Common Name	RED WOLF
Studbook Scope	InternationalYHOSTC.Point Defiance Zoo & Aquarium YLASTACCSC 2103YLASTEDITC 1914	Migration Date	Apr 21, 2017
This report is given to users to assist them with the comparison of their legacy studbook data to the data that was migrated into ZIMS for Studbooks. These calculations are as of the migration date and will not be updated as information is added to the studbook in ZIMS.			
Category	Detail	Legacy Software	ZIMS
Animal Sex Counts	Total Number of Animals in Studbook	2172	2172
Animal Sex Counts	Total Number of Males in Studbook	1025	1025
Animal Sex Counts	Total Number of Females in Studbook	1063	1063
Animal Sex Counts	Total Number of Other Sex in Studbook	84	84
Animal Age Counts	SB ID of All-time oldest animal	11	11
Animal Age Counts	All-time oldest animal (Age in Days)	6434	6434
Animal Age Counts	SB ID of All-time youngest animal	1079	1079
Animal Age Counts	All-time youngest animal (Age in Days)	1	1

The Data Validation Report compares the data in the legacy application (SPARKS or PopLink) and the data in ZIMS after migration. This report is created as a tool for the Studbook Keeper to confirm the data migrated as expected. Species360 recommends reviewing this report after migration.

There are expected differences in the numbers in this Report:

- **Total transaction/birth transactions:** Birth transactions are mandatory in ZIMS. The migration process creates birth transactions for all wild caught animals or any animal without a birth transaction in SPARKS or PopLink. Therefore, the ZIMS studbook may have a higher number of birth transactions than the legacy studbook.
- **Birth Location with most number of births:** Could change as a result of adding the birth transactions during migration.
- **Transfer location with most number of transfers:** Could change as a result of adding the birth transactions during migration.
- **Institution Counts:** ZIMS has corrected any geography locations entered as institutions. This may affect the number of Institution Counts

If your counts are different for any other categories contact support@Species360.org with questions.

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Data Migration Validation Report				
Studbook Name	Lynx rufus baileyi	Taxon Name	Lynx rufus baileyi	
Studbook Format	PopLink	Common Name	Bobcat - SE CALIF-DURANGO-W KANSAS	
Studbook Scope	North American Regional	Migration Date	Oct 30, 2017	
This report is given to users to assist them with the comparison of their legacy studbook data to the data that was migrated into ZIMS for Studbooks. These calculations are as of the migration date and will not be updated as information is added to the studbook in ZIMS.				
Category	Detail	Legacy Software	ZIMS	
Migration Data Quality Errors	Studbook IDs where Birth transaction is not first event	1039, 1103, 140, 539		
Migration Data Quality Errors	Studbook IDs where Wild Capture transaction is out of sequence	162, 1933, 534, 723		
Migration Data Quality Errors	Studbook IDs where Go LTF transaction is followed by event other than Return from LTF	31, 11, 148, 293, 428, 1739, 1103, 1039, 462, 57, 851, 35, 938, 1571, 274, 1057, 723, 301, 1280, 1889, 1278, 22, 567, 127, 433, 1853, 476, 489, 43, 1992, 217, 753, 162, 257, 144, 72, 329, 1756, 55		
Migration Data Quality Errors	Studbook IDs where Death transaction is not the last event	117, 210, 644		

At the top of the Data Migration Validation Report you may see some Data Quality Errors that may have caused problems with migration. These include:

- For SPARKS and PopLink:
 - Birth/Hatch transaction is not the first event
 - Wild capture is not the first transaction or does not follow a release or birth
- For PopLink:
 - A recapture transaction does not follow a release transaction
 - A LTF transaction is not the last transaction or follows a transaction other than Return from LTF

Species360 recommends addressing these issues prior to migration.

PopLink Data	Studbook IDs created in PopLink but then deleted	66, 83
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Deleted Studbook IDs were tracked within PopLink. The DMV report documents these deleted IDs in the last row of the report for studbooks migrated from PopLink. These IDs cannot be reused in the studbook once it is migrated to ZIMS.

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Location Validation Mapping Report

Location Validation Mapping Report				
Studbook Name	Podargus strigoides	Taxon Name	Podargus strigoides	
Studbook Format	PopLink	Common Name	Tawny frogmouth	
Studbook Scope	North American regionalYHOSTC.Woodland Park Zoo	Migration Date	Sep 01, 2017	
This report shows you where the locations from your transactions mapped to during the migration of your studbook.				
Mapping Record Type	Legacy Location	Times Used	Maps To	SB ID of Animals Used In
Geographical Reference	AUSTRALIA	10	Australia (Country)	1001, 1003, 1008, 1009, 1122, 1140, 1141, 1142, 1444, 1499
Geographical Reference	NEW SO WA	33	New South Wales (en) (state) (AU) (State)	1002, 1004, 1005, 1006, 1010, 1011, 1013, 1014, 1015, 1016, 1041, 1042, 1043, 1044, 1045, 1046, 1054, 1143, 1144, 1145, 1147, 1148, 1149, 1500, 1501, 1502, 1503, 1505, 1506, 1626, 1640, 1641, 1687
Geographical Reference	QUEENSLAN	8	Queensland (en) (state) (AU) (State)	1731, 1732, 1734, 1735, 1736, 1737, 1740, 1741
Geographical Reference	S AUSTRAL	6	South Australia (en) (state) (AU) (State)	1163, 1237, 1238, 1722, 1723, 1724
Geographical Reference	VICTORIAA	3	Victoria (en) (state) (AU) (State)	1612, 1613, 1614
Global Institution	ADELAIDE	18	ADELAIDE : Adelaide Zoo	1122, 1140, 1141, 1142, 1163, 1237, 1238, 1444, 1723, 1724, 1725, 1727, 1728, 1730

The Location Validation Mapping Report compares legacy software location values to the locations they were mapped to during the migration process into ZIMS and provides the Studbook IDs of the animals with that location in their record.

Some information about this Report:

- **Global**
 - The system will map institutions that were previously entered as user defined institutions in the legacy studbook to global institutions if it can match it to a Species360 global institution.
 - If the studbook is using an historic mnemonic, the system will update the mnemonic to the newly recognized mnemonic.
- **Local**
 - When the system cannot find a match to an institution in the global list or the geographic location list, it is added as a local institution.
- **Geographical**
 - When a mnemonic matches a ZIMS geographic location, it will be mapped to a geolocation and listed in the mapping report.

Global Institution	PHILADELP	28	PHILADELP : Philadelphia Zoo	1036, 1052, 1053, 1105, 1120, 1256, 1439, 1490, 1492, 1494, 1499, 1504, 1508, 1509, 1510
Global Institution	PHOENIX	14	PHOENIX : Phoenix Zoo	1343, 1456, 1457, 1539, 1540, 1542, 1544, 1548, 1549
Global Institution	PITTS CA	17	NATAVPGH : National Aviary in Pittsburgh	1064, 1073, 1097, 1100, 1133, 1151, 1184, 1192, 1231, 1443, 1464, 1598, 1803, 1804

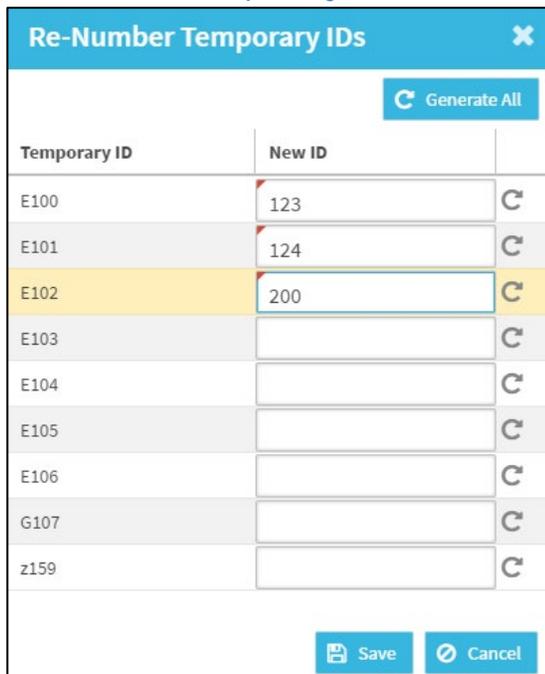
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Above is an example of the system mapping an historic mnemonic to the newly recognized ZIMS mnemonic.

- Historically this institution was PITTS CA and recently the mnemonic changed to NATAVPGH.
- During migration, PITTS CA was changed to NATAVPGH for the animals listed in the grid.

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Re-number Temporary IDs



Temporary ID	New ID	
E100	123	
E101	124	
E102	200	
E103		
E104		
E105		
E106		
G107		
z159		

Selecting to Re-Number Temporary IDs allows you to quickly assign permanent Studbook IDs to your animals with Temporary IDs. All animals with alpha characters will display in this tool. Check with your Regional Association to see if they approve of Temporary Studbook IDs.

The permanent studbook number (New ID) text box can be populated in one of 3 ways:

- Manually filled in by the user.
- Automatically generate individual studbook number by the user clicking on the associated 'auto-generate' arrow next to the text box.
- Automatically generate all studbook numbers by the user clicking the 'Generate All' button of the form.

You cannot assign an ID already in use. Once an animal is assigned a Studbook ID, the number is permanent and cannot be edited or reassigned unless the animals full record is deleted. The temporary ID remains unavailable for future use unless the draft animal record is deleted from the studbook before completing the record. This is due to the fact that the draft ID is added to the identifier table in the animal’s record to document the previous temporary ID.

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Animal Comparison

Wolf, Red (Canis rufus) > Suggested Animal List: Filtered > New: GAN#MIG12-29905894-B > Comparison Tool

Search Animals: MIG12-29905894-

Suggested Animal (Suggested Match: 1126)

Search Animals: 1126

Studbook Animal

Basic Information					Basic Information				
Status	Location	Age/Est	Sex Type	Parents	Status	Location	Age/Est	Sex Type	Parents
Pending Confirmation (more than 1 year)	VA MUSEUM	1Y 7M 30D (at the time of last unconfirmed disposition) / No	Female	Dam: 793/LOWRY Sire: 477/TALLAHASE	Dead	SALISBURY	13Y 0M 27D (at death) / No	Female	Dam: 793/LOWRY Sire: 477/TALLAHASE
Local ID/House Name	Birth Type	Birth Date/Est	Rearing Type	Est. Conception	Local ID/House Name	Birth Type	Birth Date/Est	Rearing Type	Est. Conception
1080 /	Captive	May 16, 2001	Foster	Mar 14, 2001	1693 / ~	Captive	May 16, 2001	Foster	Mar 14, 2001

Transactions						Transactions					
Transaction	Date	Location	Local ID	Owner	Reported ...	Transaction	Date	Location	Local ID	Owner	Reported ...
Birth/Hatch	May 16, 2001	BREVARD			BRIDGEPRT	Birth/Hatch	May 16, 2001	BREVARD	940707		
From Anot...	May 30, 2001	BRIDGEPRT	101360	USFWS	BRIDGEPRT	Transfer	May 30, 2001	BRIDGEPRT	101360		
To Anothe...	Jan 15, 2003	VA MUSEUM	1080		BRIDGEPRT	Transfer	Jan 15, 2003	VA MUSEUM	1080		
						Transfer	Dec 20, 2007	SALISBURY	1693		
						Death	Jun 12, 2014	SALISBURY	1693		

Parent				Parent			
Parent	%...	Recorded By		Parent	%...	Recorded By	

The Animal Comparison Tool allows you to compare two animal details side-by-side. This is especially helpful should you think you have duplicate records or are looking for a match. You can compare 2 Studbook Animals, 2 GANs (from Husbandry) or a Studbook Animal and a GAN (from Husbandry). When comparing a Husbandry record with a Studbook record, the Husbandry record displays in dark blue with “Suggested Animal” text. The Studbook record displays in light blue with “Studbook Animal” text.

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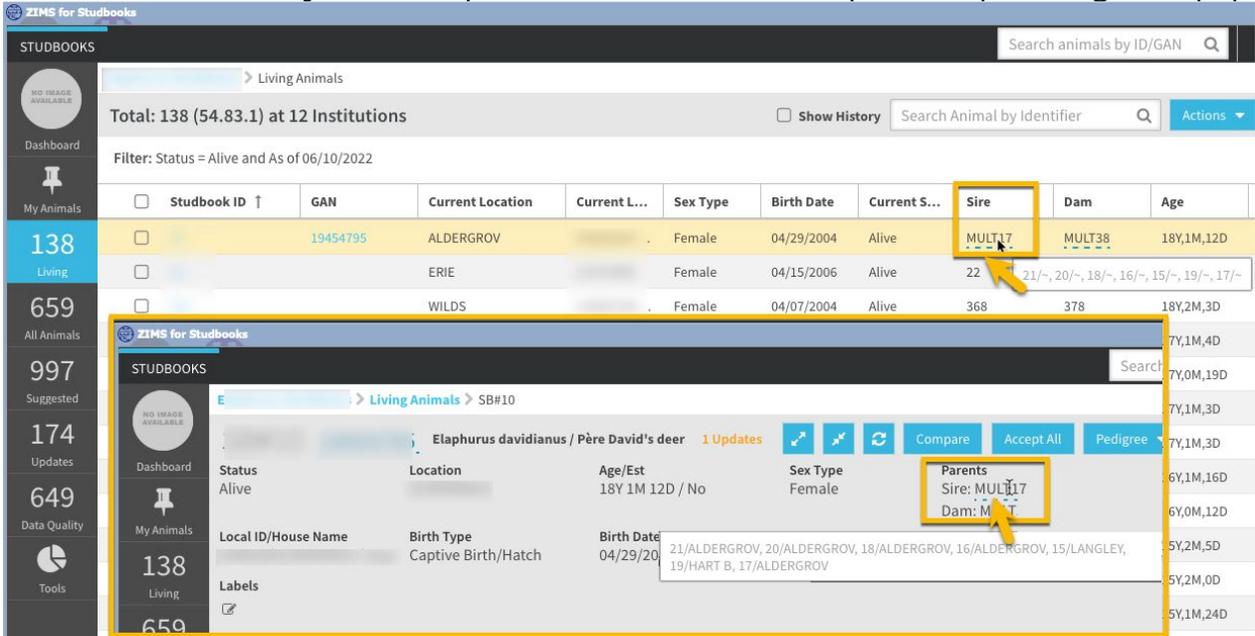
MULT List

The MULT List will display a list of your possible parentage “MULT groupings”. This Tool only displays if you have MULT parents in your Studbook. It also shows what records these MULTs have been used in. All studbook IDs are hyperlinks into the specific animal’s record.

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Studbook ID	Used In	Created By
MULT3 (2) animals 1044 , 1004	1382	Adrienne Miller
MULT2 (2) animals 1291 , 1002	1382	Adrienne Miller
MULT (3) animals 1592 , 1569 , 1594	1636	Data Migration Process

Multiple parents will list in the Animal lists and on an individual's record - when hovering over the MULT # link you will be presented with the known possible parentage in a pop up:



The screenshot shows the ZIMS for Studbooks interface. At the top, there's a search bar for animals by ID/GAN. Below that, a summary shows 'Total: 138 (54.83.1) at 12 Institutions'. A filter is set to 'Status = Alive and As of 06/10/2022'. A table lists animals with columns for Studbook ID, GAN, Current Location, Sex Type, Birth Date, Current Status, Sire, Dam, and Age. One animal's Sire is highlighted as 'MULT17'. A pop-up window shows the details for this animal, including its status (Alive), location, age, sex (Female), and a 'Parents' section listing 'Sire: MULT17' and 'Dam: MULT38'. A tooltip for the Sire field shows a list of possible parent IDs and locations: '21/ALDERGROV, 20/ALDERGROV, 18/ALDERGROV, 16/ALDERGROV, 15/LANGLEY, 19/HART B, 17/ALDERGROV'.

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Institutional Holdings

> Living Animals > Reproductive Dashboard > Institutional Holdings

Total: 109 Institutions Filter Institutions   

Filter: During Jun 02, 2020 - Aug 01, 2022

Institution **Date** Taxonomy UDF

As of End Date Date Range No Restriction

Start Date End Date

Jun 02, 2020  Aug 01, 2022 

 Reset  Search

Institution Name	Mnemonic	Country	Association	ZIMS Institution	Current Holdings	Historic Holdings	Holdings During Jun 0...
Museum für Naturkunde Berlin	0000	Germany	VDZ, EAZA	✓	3 (3.0.0)	4 (4.0.0)	3 (3.0.0)
Circus Zoologico di Roma	0000	Italy	UIZA, EAZA	✓	4 (0.4.0)	7 (1.6.0)	4 (0.4.0)
Dubai Zoo	0000	United Arab Emirates	EAZA, WAZA	✓	11 (4.7.0)	18 (9.9.0)	11 (4.7.0)
Dierpark De Oostvaardersplassen	0000	Netherlands	EAZA, NFRZG, NVD, WAZ...	✓	4 (2.2.0)	83 (41.37.5)	4 (2.2.0)
Hellenic Zoological Garden	0000	Greece	EAZA	✓	2 (1.1.0)	26 (11.12.3)	2 (1.1.0)
Royal Zoological Society of Antwerp	0000	Belgium	EAZA	✓	4 (0.4.0)	13 (5.8.0)	4 (0.4.0)
Zoo de London	0000	United Kingdom	EAZA, BIAZA, WAZA	✓	1 (0.1.0)	33 (19.12.2)	1 (0.1.0)

This report displays the number of animals an institution has held within its collection. The list will default to show all collections that have ever held the species. The report will show current and historical holdings. Use the filter options to filter by institution, date, taxonomy and UDF. Filtering by date will add a column with the holdings for that date period.

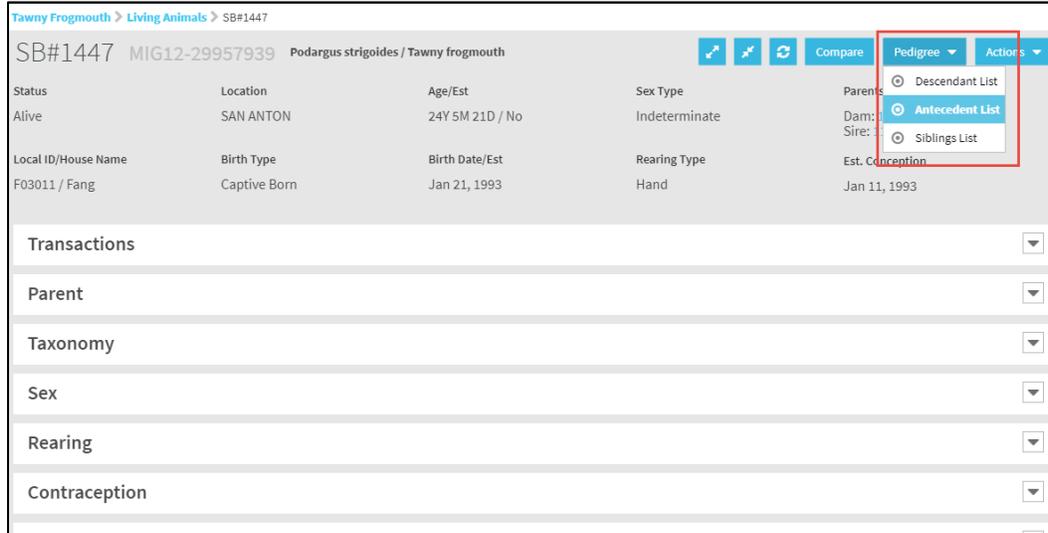
The columns can be sorted, customized and re-ordered. The Holdings numbers are hyperlinks to a results grid where you can go directly into the Animal record.

[More details about the Institution Holding report.](#)

[Click here for a video overview of the Institution Holding Report.](#)

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Pedigree



The Pedigree Reports are available in the Tools menu and also directly within the animal record. You can select to view:

- **Descendant List:** List of all the descendants of a focal animal, with option to chart.
- **Antecedent List:** List of all the ancestors of a focal animal, with option to chart.
- **Sibling List:** List of all the **full** siblings (both parents the same) of a focal animal.
- **Unknown Pedigree Report:** (Available only in the Tools menu) List of all the animals in the studbook with some level of unknown pedigree. This includes animals with MULT parents. This is a good Report to run to help you find unidentified parents.
- **For more information on the Pedigree Explorer option, click here:**
[Pedigree Explorer:](#) Help document describing the pedigree explorer in Studbooks.

If the focal animal is included in a MULT parent, it will be included in the Antecedent and Descendant list and may inflate the number of animals in the list.

Wolf, Red (*Canis rufus*) > Living Animals > SB#1929 > Antecedent List

Select Animal: 1929 Living Only Show History

Total: 59 (30.29.0) at 15 Institutions

Studbook ID	Sire	Dam	Generations R...	Current St...	Birth Date	Current Age	Sex Type	Current Lo...	Birth Locat...	Taxonomy
1490	1095	1224	1	Dead	May 11, 2006	11Y,2M,11D	Male	TACOMA	TACOMA	Canis rufus ...
1382	688	1009	1	Alive	Apr 24, 2005	15Y,1M,17D	Female	TACOMA	WOLFHAVEN	Canis rufus ...
1095	791	603	2	Dead	May 03, 2000	15Y,1M,22D	Male	TACOMA	TACOMA	Canis rufus ...
1224	651	925	2	Dead	May 05, 2002	16Y,4M,14D	Female	TACOMA	TACOMA	Canis rufus ...
688	405	303	2	Dead	Apr 20, 1994	14Y,11M,0D	Male	WOLFHAVEN	BRIDGEPR	Canis rufus ...
1009	652	607	2	Dead	May 01, 1999	14Y,6M,4D	Female	TACOMA	TACOMA	Canis rufus ...
607	294	371	3	Dead	Apr 24, 1993	9Y,8M,25D	Female	SIOUX FAL	TACOMA	Canis rufus ...
651	247	338	3	Dead	May 14, 1993	12Y,4M,14D	Male	TACOMA	TACOMA	Canis rufus ...
652	247	338	3	Dead	May 14, 1993	11Y,0M,18D	Male	TACOMA	TACOMA	Canis rufus ...
791	492	562	3	Dead	May 06, 1995	15Y,0M,7D	Male	WCSRC	TACOMA	Canis rufus ...

Above is an Antecedent List. From all the results grids you can go back into the record by selecting View Animal. You can also limit the list to current animals by checking the Living Only box.

Living Only Show History

Total: 54 (26.23.5) at 3 Institutions

Studbook ID	Sire	Dam	Current Sta...	Birth Date	Current Age	Sex Type	Current Loc...	Birth Locati...	Taxonomy	Number of ...
670	UND	508	Dead	May 01, 1993	10Y,9M,8D	Male	MANTEO	MANTEO	Canis rufus /...	33
1108	UND	UND	Undetermin...	May 01, 1999...	5Y,6M,11D	Male	MANTEO	AWENDA	Canis rufus /...	21
1953	UND	1693	Dead	~< Apr 11, 2012	6Y,1M,7D	Female	MANTEO	MANTEO	Canis rufus /...	3
733	UND	541	Dead	May 09, 1994	1Y,7M,6D	Male	GATLINBRG	GATLINBRG	Canis rufus /...	0
890	UND	503	Undetermin...	Apr 17, 1997 ...	0Y,0M,15D	Female	MANTEO	MANTEO	Canis rufus /...	0
1061	UND	884	Undetermin...	Apr 26, 2000	0Y,1M,8D	Female	MANTEO	SANDYRIDG	Canis rufus /...	0
885	UND	UND	Undetermin...	May 01, 1995...	3Y,5M,19D	Male	MANTEO	MANTEO	Canis rufus /...	0
1724	UND	1051	Dead	May 01, 2002...	0Y,4M,20D	Female	MANTEO	MANTEO	Canis rufus /...	0
1063	UND	884	Undetermin...	Apr 26, 2000	0Y,1M,8D	Female	MANTEO	SANDYRIDG	Canis rufus /...	0

Above is an Unknown Pedigree Report (only available from the Tools menu). If you want to view only current animals check the Living Only box.

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Data Export

This tool is used to create a complete export of the studbook data in XML format. It can be used for data analysis and research outside of ZIMS.

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The ability to perform a studbook export in XML is controlled by your Studbook Role. The Studbook Admin must give access to Search/View Data Export in the Studbook Role. The export is available for regional and institutional Studbooks.

Once the role for Data Export has been assigned, you can find the export under Tools > Data Export in the left-hand navigation when an Animal List is open. Select “Begin Export” to initiate a full XML export of the studbook. This tool will export the full studbook regardless of what screen you are on when you run the export. You will receive a message in the upper left-hand corner that your request is queued up. The export will run in the background and you can continue working in the studbook and even log off while it is running. There is no visual indication that it is running other than the initial notification and you cannot stop the export.

The export data will begin downloading automatically when the export is complete, and you will receive a message that the download has started in the upper left-hand corner. If you close the Studbook module or ZIMS during the export, the next time you log into the Studbook it will automatically download to your browser (if completed). Once downloaded it will remain on the server for seven days until you download it.

Depending on the size of the studbook it might take quite a bit of time to complete since it is exporting all the animal and studbook data for the entire Studbook. If your request is in a queue, meaning you or multiple people are running exports at the same time, ZIMS will run the exports in the order of the requests, finishing the first request before starting on the second. First one started, first one done.

The export is downloaded as a zipped file. When ready it will appear in the lower left-hand corner of your browser or it can be found in your Download folder. The folder will be named by the association or institution managing the studbook and then the studbook name.

The following information is included in the XML Export:

- Studbook Overview
 - Basic information
 - Description
 - Species notes
 - Conventions/assumptions
 - Taxonomy details
 - Assignments - list of names, institutions, title, start date, end date, role
 - User defined fields
 - MULT list

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-
- Local institutions list and all their information
 - All animal detail information for each animal in the studbook (permanent IDs, temp IDs, and draft animals)
 - Basic information
 - Transactions
 - Parents
 - Taxonomy
 - Sex
 - Rearing
 - Contraception
 - Identifiers
 - User defined fields
 - Notes

If the export fails, you will receive a message in the upper left-hand corner of the screen. If this happens, please contact our support team for assistance at support@species360.org.

Overlay data is not exported in the Data Export tool at this time.

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