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From: Graham Edgar vg. edgar@utas.edu.au>
Sent: Wednenday, 18 January 2023 8:19 AM
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ER, Rik Staths-Fronti-rick; karsternfib@utas.edu.au>, Lizi Oh «elizabeth.oh@utas.edu.au>, Neville Barrett < neville.barrett@utas.edu.au>
CE. Artonia Cooper cantónia cooper@utas.edu.au>
Seliget: Rik: Dizabas corrections nechaniam - podential loos of observation level metadata

Hello Lizzi

For me, trying to keep those old data is not worth the effort – a legacy dataset should be fine

Nev might think otherwise though.

That is excellent news about the corrections tool getting close!

I can tee how long any of the things mentioned below will affect me, so although worth a quick chat this week, all likely fine by me. This really is more a question for Gedgar and her through.

Cheers

Rek

From: Lizzi Oh -<u>edizabeth ohlikutan edu an</u>p Sent: Thunday, 12 January 2023 456 PM The Gridhant Edger <u>engaged filds are du an</u>p; Nevelle Barrett <u>«ondile harrett fillutas edu an</u>p; Rick Stuart Smith <u>«jok stuartsmithfillutas edu an</u>p CC: Antonia Cooper <u>«antonia cooper filds are du lair</u> Subject Listablase corrections mechanism » potentul loss of observation-level metadata

Hi All,

We are in our testing phase for the major data correction applications the AODN have created for the NRMN database (yay!).

Before we are able to release it (and finally correct the backlog of documented errors) a decision has to be made about some "metadata" attached to many observations in the database. Some of the of the information I would say is redundant. The most tricky are ATRC-related, eg, the fine-scale measurements of lobsters and ababove (imm) that we used to record—these have been binned into the new invertigating scheme (Simm ets to Lorn es for bigger sizes) to match new incoming data, but the original measurements are tall attached to the binned observation. These records and certain other info (epalated in the file statched and table below) were neignated to the new for each adobase, but some office does absorvation. Talkindurfer afford than an integrated part of the winter special control of the summary of the special control of the summary of the special control of the summary of the special control of the spe

The short story is that the corrections mechanism will load selected survey data into a staging area, then re-ingest it once the required correction are made. This will of course not change the survey, id, but the database ids for each observation must change (this must happen to give us the best flexibility to actually correct observations). Unfortunately even know we may only change some observation in a survey, all of them will have to be staged and thus get new id when re-ingested. This is where any observation "attributes" will become detached/iost because the processes of staging and re-ingesting corrected data do not cater for the habitorial observation stributes." The processes is heavily based of the data ingest mechanism.

METADATA/ATTIBUTES	Description/Examples	count	Comments -Liz
Observation level			
Notes	These are observation-level notes (ie. survey-level notes still preserved). Most are descriptions of bulk corrections (RLS?), but some are not.		
	Eg. "SizeClass corrected from 20.0 to 3.5. See NRMN #107", "SizeClass corrected from 20.0 to 3.5. See NRMN #107", "No code, species #N/A;		
	there was also an 'orange eel' on the datasheet", "Fish photographed", "SpeciesID changed 6450> 3373 (RLS_OBS_SpeciesIDChange)". See		
	attached file for all distinct notes found.	4217	
	Original ATRC invert sizing (mm resolution) for lobsters and abalone, and many cases for other M2 animals in certain time periods/projects.		
SizeRaw	See attached file for all examples	33654	
SizeEstimated	Yes or No - whether specimen (eg. lobster) was estimated for size or caught and measured (ATRC)	33664	
SpeciesSex	Male/Female eg. for lobsters and some wrasse (ATRC)	32058	
Biomass	The old database stored biomass values for observation	1137406	redundant - as this is now calculated on data-out based on the stored a's and b's
DescriptiveName	seems to be a big mess of migrated info eg. common names, synonyms or spelling mistakes?	80791	redundant
			too few to be consistent or used for anything. Assume mostly RLS but unsure why some non commercial species have this
LegalSize	Yes or No	150	populated?
SimulatedAbsence	"No Species Found" records	300	These would be regenerated when corrected observations are re-ingested
Survey-method level			
NonStandardData	Eg. "Site sampled due to oil spill", "poor visibility", "carried out on seagrass bed"	255	These should be migrated to survey notes?
LegacyMethod	eg. Parallel fish survey Jervis Bay.	1808	redundant as data has been transformed into new blocks

Lizzi Oh

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