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2024 EBS query info

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Fri, Dec 13, 2024 at 11:11 AM

Hey Alex-
Sure.

For 3m to surface (all our data)-

ship = 157

survey = 202408

data_set_id = 1

analysis_id = c(1)

zones = c(1)

report_num = c(1,2) - don't need to specify report number, because there's no cross-transect or N. extension etc, but just for ref.

This is the query for those data, which summarizes by report number:

```
SELECT a.ship, a.survey, a.data_set_id, a.analysis_id, a.zone,
a.report_number, b.description,
SUM(a.numbers) as numbers, SUM(a.biomass) as biomass
FROM macebase2.analysis_results_by_length a
LEFT JOIN macebase2.report_definitions b
ON (a.ship = b.ship) AND (a.survey = b.survey)
AND (a.data_set_id = b.data_set_id)
AND (a.analysis_id = b.analysis_id)
AND (a.report_number = b.report_number)
WHERE a.ship = 157 AND a.survey = 202408 AND a.data_set_id = 1
AND a.analysis_id = 1 AND a.ZONE = 1
AND b.report_number is not null
AND a.species_code = 21740
GROUP BY a.ship, a.survey, a.data_set_id, a.analysis_id, a.zone, a.report_number, b.description
ORDER BY a.report_number
```

For 0.5m to 3m (Nate's analysis using our bottom 3m acoustics and the GF trawl data)-

ship = 157

survey = 202408

data_set_id = 1

analysis_id = 2

zones = 2,3

report_num = c(1,2) - don't need to specify report number, because there's no cross-transect or N. extension etc, but again, just for ref.

and the query-

```
SELECT a.ship, a.survey, a.data_set_id, a.analysis_id,
a.report_number, b.description,
SUM(a.numbers) as numbers, SUM(a.biomass) as biomass
FROM macebase2.analysis_results_by_length a
LEFT JOIN macebase2.report_definitions b
ON (a.ship = b.ship) AND (a.survey = b.survey)
AND (a.data_set_id = b.data_set_id)
AND (a.analysis_id = b.analysis_id)
AND (a.report_number = b.report_number)
WHERE a.ship = 157 AND a.survey = 202408 AND a.data_set_id = 1
AND a.analysis_id = 2 AND a.ZONE in (2,3)
AND b.report_number is not null
AND a.species_code = 21740
GROUP BY a.ship, a.survey, a.data_set_id, a.analysis_id, a.report_number, b.description
ORDER BY a.report_number
```

Here are the results for those queries-

Data Set	Analysis	rept. number	region	numbers	biomass
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upper water col (3m-16)	1	1	1	East of 170	5947742140.56	972887148.84
upper water col (3m-16)	1	1	2	West of 170	4873240524.56	1623180267.36
lower water column (0.5- 3m)	1	2	1	east	171083978.4	98630376.39
lower water column (0.5- 3m)	1	2	2	west	366614950.7	175939436.4

Attached is one of the files I sent to Jim. It has water column totals- 0.5-16m- by EDSU for the survey. That's the two queries combined- one for the 16m to 3m, and the other <3m, by EDSU.
Let me know what else you need.

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pollock_biomass_num_region_edsu_survey_202408.csv
615K