

Wikiprint Book

Title: EwEugEcospaceResults

Subject: Ecopath Developer Site - EwEugEcospaceResults

Version: 1

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11.2 Ecospace results

Results from Ecospace simulations are shown on the Ecospace results form (*Spatial dynamic (Ecospace) > Output > Ecospace results*). Users can choose to show results by **Gear** (i.e., fishing fleet), by **Group** or by **Region**.

Gear results are shown in terms of **Catch**, **Value** and **Cost** at the beginning and end of the simulation period.

The screenshot shows the 'Ecospace results' form in the Ecosim software. The 'Year' section has 'Begin' set to 0 and 'End' set to 9. The 'Show' section has 'Gear' selected, with a pull-down menu set to 'Combined fleets'. The table below displays results for 'Fleet1' and a 'Total' row.

Fleet name	Catch (start)	Catch (end)	Catch (E/S)	Value (start)	Value (end)	Value (E/S)	Cost (start)	Cost (end)	Cost (E/S)	Effort (E/S)
1 Fleet1	9.465	4.228	0.447	21.29	10.24	0.481	2.272	5.986	2.635	0.000
Total	9.465	4.228	0.447	21.29	10.24	0.481	2.272	5.986	2.635	

Group results are shown in terms of Biomass, Catch and Value at the beginning and end of the simulation period. Users can elect to see Catch and Value results from all fleets combined or from individual fleets, using the pull-down menu on the form.

Ecopath with Ecosim 6 - EwE6_Generic_37.mdb

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Navigator: Input data, Parameterization (Ecopath), Time dynamic (Ecosim), Spatial dynamic (Ecospace), Input, Output, Run Ecospace, Ecospace results, Tools

Basemap Run Ecospace Ecospace results

Year: Begin: 0 End: 9

Show: Gear Group Region

Group name Biomass (start) Biomass (end) Biomass (E/S) Catch (start) Catch (end) Catch (E/S) Value (start) Value (end) Value (E/S)

1	Baleen whales	0.0000033	0.0000033	1.006					
2	Toothed whales	0.0000065	0.0000064	0.980					
3	Seals	0.0000098	0.0000082	0.839					
4	Birds	0.0000032	0.0000032	0.985					
5	Sharks, large	0.000331	0.000234	0.706	0.00629	0.0157	2.498	0.00629	0.0157
6	Sharks, small medium	0.000979	0.000741	0.757	0.0247	0.0666	2.699	0.0247	0.0666
7	Rays, large	0.000329	0.000188	0.571	0.00749	0.0152	2.028	0.00749	0.0152
8	Rays, small medium	0.000989	0.00209	2.112	0.0125	0.0942	7.531	0.0125	0.0942
9	Pelagics, large	0.00133	0.000556	0.418	0.0315	0.0463	1.471	0.0630	0.0926
10	Pelagics, medium	0.00407	0.00157	0.387	0.258	0.349	1.355	0.516	0.698
11	Pelagics, small, carniv.	0.0166	0.0285	1.712	0.0631	0.381	6.036	0.126	0.762
12	Pelagics, small, herbiv.	0.00835	0.0117	1.400	0.0634	0.313	4.927	0.127	0.625
13	Benthopelagics, large	0.000667	0.000182	0.273	0.0316	0.0303	0.958	0.0633	0.0606
14	Benthopelagics, small medium	0.00128	0.000481	0.038	0.214	0.0185	0.086	0.427	0.0369
15	Demersals, large	0.00157	0.0000000	0.000	0.626	0.0000162	0.000	1.251	0.0000324
16	Demersals, medium	0.00609	0.0000000	0.000	3.719	0.0000530	0.000	7.438	0.000106
17	Demersals, small	0.0179	0.0953	5.322					
18	Reefish, large	0.000323	0.0000000	0.000	0.0993	0.0000270	0.000	0.199	0.0000539
19	Reefish, medium	0.00151	0.0000000	0.000	0.922	0.0000010	0.000	1.845	0.0000021
20	Flatfish, large	0.000316	0.0000000	0.000	0.121	0.0000017	0.000	0.242	0.0000034
21	Flatfish, small medium	0.00325	0.000503	0.155	0.541	0.190	0.350	1.082	0.379
22	Reefish, small	0.00324	0.000775	2.395					
23	Bathypelagics	0.00162	0.00150	0.925					
24	Bathydemersals	0.000655	0.000753	1.149					
25	Jellyfish	0.00295	0.00305	1.036					
26	Cephalopods	0.00160	0.00118	0.735	0.108	0.193	1.791	0.108	0.193
27	Shrimps	0.00576	0.00813	1.411	0.873	2.343	2.683	2.620	7.030
28	Lobsters, crabs	0.00141	0.0000000	0.000	1.694	0.0000010	0.000	5.083	0.0000031
29	Macrobenthos	0.0312	0.0452	1.450	0.0487	0.172	3.521	0.0487	0.172
30	Meiobenthos	0.0428	0.0445	1.040					
31	Corals	0.000311	0.000523	1.681					
32	Softcorals, sponges, etc	0.00657	0.00668	1.017					
33	Krill	0.00318	0.00351	1.104					
34	Zooplankton, other	0.0334	0.0365	1.091					
35	Phytoplankton	0.0495	0.0500	1.009					
36	Benthic plants	0.00656	0.00647	0.987					
37	Detritus	0.134	0.324	2.428					
	Total	0.390	0.682	1.747	9.465	4.228	0.447	21.29	10.24

Status Remarks

Generic 37 an example new

Region results are shown in terms of Biomass and Catch. Users can select the region to display from the pull-down menu on the form,

Ecopath with Ecosim 6 - EwE6_Generic_37.mdb

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Ecopath Ecosim Ecospace

Navigator

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 - Spatial dynamic (Ecospace)
 - Input
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 - Run Ecospace
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Basemap Run Ecospace Ecospace results

Year: Begin: 0 End: 9

Show:

- ☐ Gear
- ☐ Group
- ☒ Region

 Fleet 1
Region 1

	Group name	Biomass (start)	Biomass (end)	Biomass (E/S)	Catch (start)	Catch (end)	Catch (E/S)
1	Baleen whales	0.00113	0.00114	1.011			
2	Toothed whales	0.00200	0.00195	0.975			
3	Seals	0.00300	0.00254	0.846			
4	Birds	0.000999	0.000963	0.963			
5	Sharks, large	0.113	0.0638	0.566			
6	Sharks, small medium	0.333	0.105	0.314			
7	Rays, large	0.112	0.0356	0.318			
8	Rays, small medium	0.336	0.197	0.585			
9	Pelagics, large	0.451	0.211	0.467			
10	Pelagics, medium	1.378	0.625	0.453			
11	Pelagics, small, carniv.	5.659	9.771	1.727			
12	Pelagics, small, herbiv.	2.840	4.027	1.418			
13	Benthopelagics, large	0.226	0.0691	0.306			
14	Benthopelagics, small medium	0.387	0.00738	0.019			
15	Demersals, large	0.0276	0.0000002	0.000			
16	Demersals, medium	0.110	0.0000005	0.000			
17	Demersals, small	0.287	0.249	0.866			
18	Reefish, large	0.00556	0.0000003	0.000			
19	Reefish, medium	0.0278	0.0000000	0.000			
20	Flatfish, large	0.00554	0.0000000	0.000			
21	Flatfish, small medium	0.983	0.0485	0.049			
22	Reefish, small	0.964	2.323	2.409			
23	Bathypelagics	0.494	0.437	0.883			
24	Bathydemersals	0.200	0.176	0.884			
25	Jellyfish	0.902	0.928	1.029			
26	Cephalopods	0.487	0.294	0.605			
27	Shrimps	0.110	0.0125	0.114			
28	Lobsters, crabs	0.0284	0.0000000	0.000			
29	Macrobenthos	9.232	8.714	0.944			
30	Meiobenthos	13.07	14.75	1.129			
31	Corals	0.0935	0.166	1.780			
32	Softcorals, sponges, etc	2.236	2.313	1.034			
33	Krill	1.083	1.208	1.115			
34	Zooplankton, other	11.35	12.31	1.085			
35	Phytoplankton	14.68	13.15	0.896			
36	Benthic plants	2.000	2.020	1.010			
37	Detritus	41.02	95.43	2.326			
	Total	111.2	169.6	28.128			
39	Fleet1				1.066	1.567	1.469
	Total				1.066	1.567	1.469

Status Remarks

Generic 37 an example new