

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 'Ecopath with Ecosim' software. The 'Show:' section is set to 'Gear'. The 'Year' section shows 'Begin: 0' and 'End: 9'. The 'Combined fleets' dropdown is set to 'Combined fleets' and the 'Region 1' dropdown is set to 'Region 1'. The table below displays the results for Fleet1.

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.

The screenshot shows the 'Ecopath with Ecosim' software interface. The 'Ecospace results' window is open, displaying a table of biomass and catch data for various marine groups over time. The table includes columns for Group name, Biomass (start, end, E/S), Catch (start, end, E/S), and Value (start, end, E/S). The data is filtered for 'Region 1' and 'Fleet 1'.

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	2.498
6 Sharks, small medium	0.000979	0.000741	0.757	0.0247	0.0666	2.699	0.0247	0.0666	2.699
7 Rays, large	0.000329	0.000188	0.571	0.00749	0.0152	2.028	0.00749	0.0152	2.028
8 Rays, small medium	0.000989	0.000209	2.112	0.0125	0.0942	7.531	0.0125	0.0942	7.531
9 Pelagics, large	0.00133	0.000556	0.418	0.0315	0.0463	1.471	0.0630	0.0926	1.471
10 Pelagics, medium	0.00407	0.00157	0.387	0.258	0.349	1.355	0.516	0.698	1.355
11 Pelagics, small, carniv.	0.0166	0.0285	1.712	0.0631	0.381	6.036	0.126	0.762	6.036
12 Pelagics, small, herbiv.	0.00835	0.0117	1.400	0.0634	0.313	4.927	0.127	0.625	4.927
13 Benthopelagics, large	0.000667	0.000182	0.273	0.0316	0.0303	0.958	0.0633	0.0606	0.958
14 Benthopelagics, small medium	0.00128	0.000481	0.038	0.214	0.0185	0.086	0.427	0.0369	0.086
15 Demersals, large	0.00157	0.0000000	0.000	0.626	0.0000162	0.000	1.251	0.0000324	0.000
16 Demersals, medium	0.00609	0.0000000	0.000	3.719	0.0000530	0.000	7.438	0.000106	0.000
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	0.000
19 Reefish, medium	0.00151	0.0000000	0.000	0.922	0.0000010	0.000	1.845	0.0000021	0.000
20 Flatfish, large	0.000316	0.0000000	0.000	0.121	0.0000017	0.000	0.242	0.0000034	0.000
21 Flatfish, small medium	0.00325	0.000503	0.155	0.541	0.190	0.350	1.082	0.379	0.350
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	1.791
27 Shrimps	0.00576	0.00813	1.411	0.873	2.343	2.683	2.620	7.030	2.683
28 Lobsters, crabs	0.00141	0.0000000	0.000	1.694	0.0000010	0.000	5.083	0.0000031	0.000
29 Macrobenthos	0.0312	0.0452	1.450	0.0487	0.172	3.521	0.0487	0.172	3.521
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	0.481

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

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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	Reeffish, large	0.00556	0.0000003	0.000			
19	Reeffish, 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	Reeffish, 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