

Use of SCN features: No
Max learning objects: 5000 objects/class
Strategy N° 3

NL 2021 Selected Samples prediction using NL 2021 training set,
Learning with selected samples classes with no low regional training instances, no extra training categories,
No Calanoida (civ-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value

Classification Report Matrix
max 5000 learning objects per class

Actual Values

Acartia spp.	72%	<1%	7%	8%	3%			8%		<1%		<1%			<1%	<1%		<1%		
Evadne spp.		94%	<1%	<1%	<1%	<1%	2%	1%		<1%		<1%	<1%			<1%				
Temora spp.	14%	2%	56%	10%	2%		<1%	17%				<1%				<1%				
Pseudocalanus spp.	19%		13%	59%	<1%			8%				<1%				<1%		<1%	<1%	
Oithona spp.	11%	1%	<1%	<1%	79%	<1%		4%				<1%			3%					
Bryozoa (larvae)		37%				51%	<1%	4%			2%	1%	2%		1%	<1%		<1%		
Podon/Pleopsis spp.	1%	15%	22%	<1%		<1%	17%	17%							<1%	2%		23%		
Calanoida (ci-ciii)	11%	10%	13%	5%	4%	<1%	7%	45%								2%			2%	
Oikopleura spp.			3%	3%	2%	<1%		<1%	64%		<1%				23%		<1%		2%	
Centropages spp.	62%		8%	2%					1%	25%									1%	
Echinodermata (larvae)	4%				20%		2%	2%	2%		22%				46%			2%		
Harpacticoida- epibenthic	26%		4%	9%	9%			17%				36%								
Gastropoda (larvae/Limacina)		9%					13%						57%	11%				11%		
Bivalvia (larvae)						5%	5%						16%	75%						
Fritillaria spp.	3%				9%			3%	3%		3%				79%					
Microcalanus spp.		10%	6%	6%				58%								13%		6%		
Chaetognatha									36%						7%		57%			
Polychaeta (larvae)		15%	5%	5%	5%			25%										45%		
Calanus spp.	7%			14%															79%	
Eurytemora spp.	50%		20%	30%																
Acartia spp.		Evadne spp.	Temora spp.	Pseudocalanus spp.	Oithona spp.	Bryozoa (larvae)	Podon/Pleopsis spp.	Calanoida (ci-ciii)	Oikopleura spp.	Centropages spp.	Echinodermata (larvae)	Harpacticoida- epibenthic	Gastropoda (larvae/Limacina)	Bivalvia (larvae)	Fritillaria spp.	Microcalanus spp.	Chaetognatha	Polychaeta (larvae)	Calanus spp.	Eurytemora spp.

Predicted Values

	precision	recall	f1-score
Acartia spp. (n=2490-train=5000)	0.77	0.72	0.75
Evadne spp. (n=1931-train=2845)	0.90	0.94	0.92
Temora spp. (n=1416-train=5000)	0.66	0.56	0.60
Pseudocalanus spp. (n=1044-train=4552)	0.63	0.59	0.61
Oithona spp. (n=345-train=1409)	0.67	0.79	0.72
Bryozoa (larvae) (n=248-train=119)	0.91	0.51	0.66
Podon/Pleopsis spp. (n=230-train=201)	0.39	0.17	0.24
Calanoida (ci-ciii) (n=130-train=3713)	0.08	0.45	0.14
Oikopleura spp. (n=115-train=761)	0.85	0.64	0.73
Centropages spp. (n=88-train=40)	0.96	0.25	0.40
Echinodermata (larvae) (n=50-train=276)	0.58	0.22	0.32
Harpacticoida- epibenthic (n=47-train=136)	0.55	0.36	0.44
Gastropoda (larvae/Limacina) (n=47-train=110)	0.52	0.57	0.55
Bivalvia (larvae) (n=44-train=71)	0.77	0.75	0.76
Fritillaria spp. (n=34-train=3447)	0.25	0.79	0.38
Microcalanus spp. (n=31-train=80)	0.22	0.13	0.16
Chaetognatha (n=28-train=67)	0.94	0.57	0.71
Polychaeta (larvae) (n=20-train=452)	0.11	0.45	0.17
Calanus spp. (n=14-train=213)	0.61	0.79	0.69
Eurytemora spp. (n=10-train=88)	0.00	0.00	0.00
macro avg	0.57	0.51	0.50
weighted avg	0.74	0.69	0.70
	precision	recall	f1-score



Relative Abundance of Top Taxonomic Instances per Sample

