

Summary of Bolus Investigations: Percent Similarity Index (PSI)

Directions: 1) Calculate % numerical abundance (NA) for each item in each bolus (% NA = count/total*100)

2) Calculate PSI by choosing smallest value (%) of each item and enter value at right; sum to obtain overall PSI.

DUMMY DATA

	Bolus #1		Bolus #2		PSI
	Count	% NA	Count	% NA	
Squid beaks	47	37.00787	63	43.44828	37
Fishing line	4	3.149606	3	2.068966	2
Whole plastic items e.g. bottle caps	2	1.574803	5	3.448276	1.5
Extra large plastic fragments (>50 mm)	0	0	0	0	0
Large plastic fragments (>20 mm and < 50 mm)	4	3.149606	6	4.137931	3.1
Medium plastic fragments (<20 mm and >10 mm)	5	3.937008	8	5.517241	3.9
Small plastic fragments (<10 mm)	62	48.8189	55	37.93103	37.9
Other	3	2.362205	4	2.758621	2.3
Total	127		145		88

PSI

PSI SUMMARY TABLE			
	#2	#3	#4
#1	88		
#2			
#3			

Comments:

Question: 1) How similar/dissimilar were the boluses? Explain

Summary & Conclusions:

NOTE: Total PSI values of 100 indicate 100% overlap; values of >80% can be considered similar