

EXAMPLE OF ALTERNATIVE METHODS FOR THE ESTIMATION OF SWEEPED AREA FOR EACH TOW

surveyN°	1	1	1	1	1	1	1	2	2	2	2	
tow N°	112	113	114	115	116	117	118	119	112	113	114	
Depth (m)	34	56	23	167	245	578	26	300	35	55	24	
Catch (Kg)	12	23.8	34.1	15	0	9	2.5	24	2	0.3	14	
net horizontal opening (km)	0.025	0.024	0.025	0.027	0.026	0.025	0.025	0.027	0.026	0.025	0.024	
METHOD 1 Swept area (km2)	0.00000	0.07934	0.07940	0.08751	0.16853	0.16529	0.08103	0.17151	0.08427	0.07616	0.07934	
distance towed (km)		3.30582	3.17618	3.241	6.482	6.61164	3.241	6.35236	3.241	3.04654	3.30582	
METHOD 2 Swept area (km2)	0.08103	0.07934	0.07940	0.08751	0.00000	0.16529	0.08103	0.17151	0.08427	0.07616	0.07934	
speed (km/h)	6.482	6.482	6.482	6.482	6.482	6.482	6.482	6.482	6.482	6.482	6.482	
tow duration (fraction of hour)	0.5	0.51	0.49	0.5		1.02	0.5	0.98	0.5	0.47	0.51	
Kg/Km2	148.1	150.0	214.7	85.7	0.0	27.2	15.4	70.0	11.9	2.0	88.2	
please control that only one estimate of swept area be present in each column in order to allow estimation of the abundance index correctly	IN THE CASE YOU HAVE ONLY INFO ON SPEED NET HORIZ APERTURE AND DURATION OF TOW				IN THE CASE YOU HAVE INFO ON SPEED NET HORIZ APERTURE AND DISTANCE TOWED							

HORIZONTAL OPENING MAY BE MEASURED WITH THE SCANMAR OR ALTERNATIVELY ESTIMATED WITH AN EMPIRICAL EQUATION

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