

## Upwellings, canyons and whales: An important winter habitat for balaenopterid whales off Mauritania, northwest Africa

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### Supplementary data

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1. Table summarising the number of sightings of all cetacean species recorded during the survey.

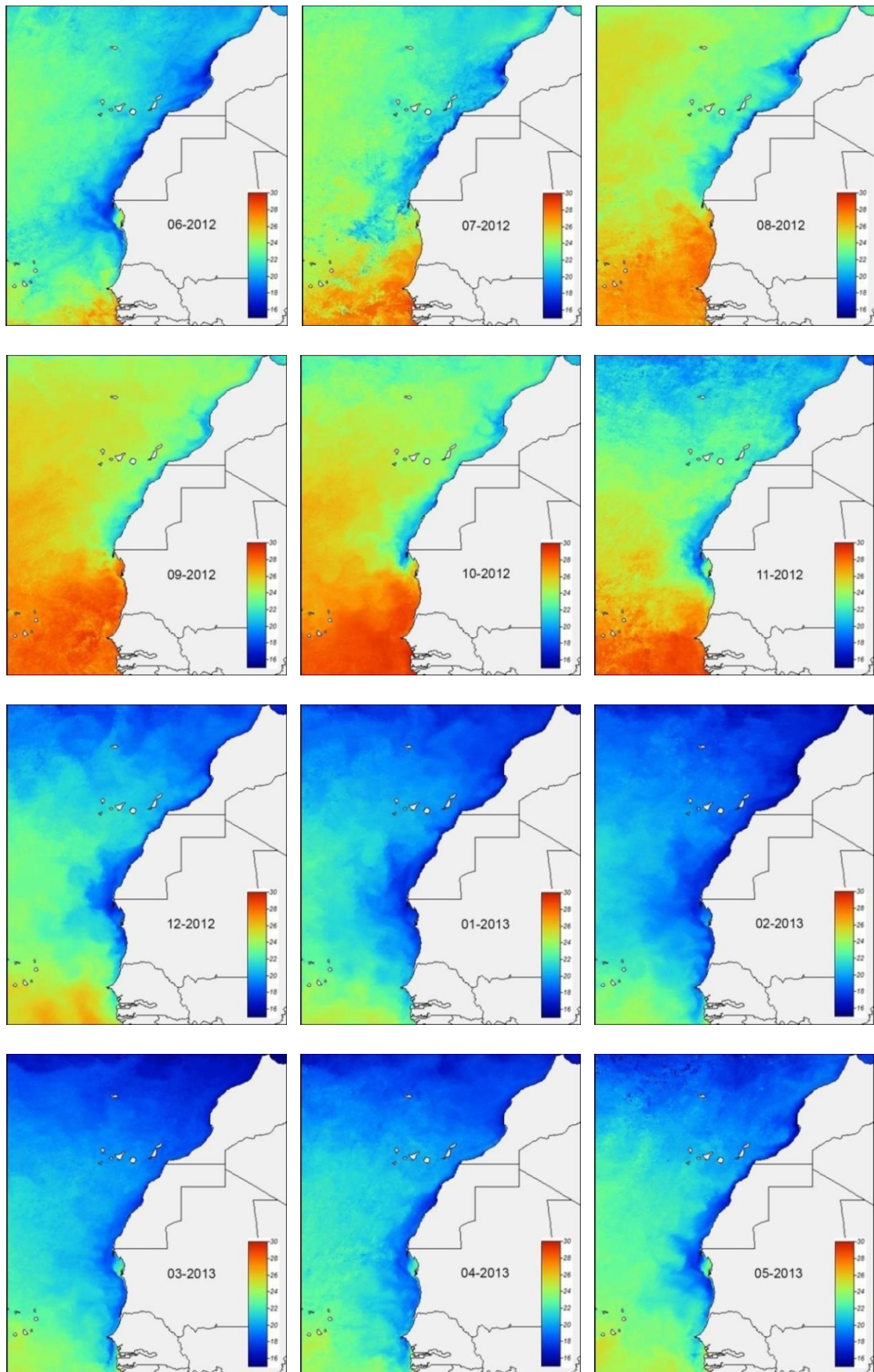
Species	Sightings	Cumulative count	Mean depth	Min depth	Max depth
Humpback whale <i>Megaptera novaeangliae</i>	1	1	48	48	48
Blue whale <i>Balaenoptera musculus</i>	8	10	772	45	1556
Fin whale <i>Balaenoptera physalus</i>	1	2	856	856	856
Sei whale <i>Balaenoptera borealis</i>	7	33	1233	43	2123
Sei/Bryde's whale	53	120	1373	43	2220
Unidentified baleen whale	69	174	1247	47	2099
Sperm whale <i>Physeter macrocephalus</i>	22	159	686	114	1915
Unidentified large whale	6	8	1315	297	2245
Killer whale <i>Orcinus orca</i>	1	7	92	92	92
Short-finned pilot whale <i>Globicephala macrorhynchus</i>	9	200	1543	554	2244
Risso's dolphin <i>Grampus griseus</i>	3	57	707	91	1585
Bottlenose dolphin <i>Tursiops truncatus</i>	5	57	735	40	1774
Rough-toothed dolphin <i>Steno bredanensis</i>	1	12	20	20	20
Short-beaked common dolphin <i>Delphinus delphis</i>	14	2655	1076	141	1505
Clymene dolphin <i>Stenella clymene</i>	1	40	1950	1950	1950
Striped dolphin <i>Stenella coeruleoalba</i>	3	61	1269	965	1458
Atlantic spotted dolphin <i>Stenella frontalis</i>	5	370	1604	1224	2245
Unidentified dolphin	25	1965	883	78	1699
Harbour porpoise <i>Phocoena phocoena</i>	2	2	49	22	77

2. Table summarising DISTANCE analysis model selection parameters.

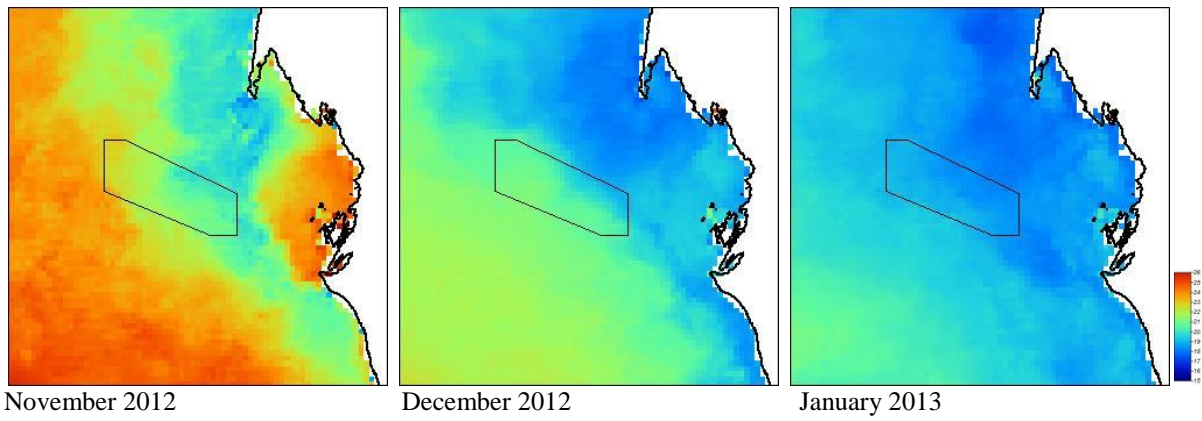
Analysis engines used were Conventional Distance Sampling (CDS) and Multiple Covariate Distance Sampling (MCDS) with wind speed as a covariate with distance; all models were half-normal. ESW is effective strip width, D is the estimate of whale density and D CV the coefficient of variation of the density estimate.

Data	Analysis Engine	Truncation (m)	Delta AIC	AIC	ESW	D	D CV
All	CDS	None	0.00	2311.47	1353	0.020	0.147
All	CDS	2000	0.00	1615.43	895	0.024	0.177
All	CDS	1500	6.59	1441.11	914	0.022	0.162
All	CDS	1000	0.03	1153.85	714	0.024	0.182
All	MCDS	None	20.23	2331.70	2076	0.013	0.136
All	MCDS	2000	0.74	1616.17	1054	0.020	0.151
All	MCDS	1500	0.00	1434.52	864	0.022	0.157
All	MCDS	1000	0.00	1153.82	719	0.023	0.167
Team A	CDS	None	0.00	570.84	1083	0.011	0.240
Team B	CDS	None	0.00	1736.64	1513	0.027	0.180
Team A	CDS	2000	0.00	480.75	874	0.013	0.256
Team B	CDS	2000	0.00	1132.64	899	0.035	0.215

3. Northwest Africa upwellings – annual cycle of sea surface temperatures from June 2012 to May 2013



4. Sea surface temperatures (SST) in the study area ( $^{\circ}\text{C}$ )



5. Chlorophyll-*a* (CHL) in the study area ( $\text{mg}/\text{m}^3$ )

