

## Site-specific disease profiles in fish and their use in environmental monitoring

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Table A1. *Limanda limanda*. Disease prevalence data and harm scores for dab from 89 sampling campaigns across 21 sites from 2002 to 2006. Liver histopathology categories: NAD: no abnormality detected; NNT: non-neoplastic toxicopathic lesion; FCA: foci of cellular alteration; BN: benign neoplasm; MN: malignant neoplasm; NSI: non-specific inflammatory lesion. Grossly visible diseases (external): LY: lymphocystis; U: ulceration; EP: epidermal papilloma; HYP: hyperpigmentation; LN: liver nodule

Site code	Site name	Year	NAD	NNT	FCA	BN	MN	NSI	LY	U	EP	HYP	LN	Harm score
AM	Amble	2004	4	6	10	0	0	94	8	2	4	12	0	6
		2005	6	0	6	2	0	92	2	2	0	12	0	3
		2006	0	0	28	2	0	98	8	2	0	16	0	7
BB	Burbo Bight	2002	24	2	26	12	0	72	2	28	2	4	12	8
		2003	22	2	16	10	0	70	0	14	2	0	4	3
		2004	28	8	10	6	0	74	0	28	2	6	0	5
		2005	18	6	8	2	0	82	0	10	0	0	0	3
		2006	10	2	28	14	0	88	2	14	2	0	12	9
CD	Central Dogger	2003	14	4	26	8	2	82	0	14	6	24	0	7
		2004	20	4	34	8	0	76	0	20	4	44	4	11
		2005	4	14	40	12	0	94	2	16	2	30	6	12
		2006	2	26	32	2	0	94	2	18	2	20	2	10
CB	Carmarthan Bay	2003	18	0	12	0	0	82	0	8	6	10	2	3
		2004	14	2	12	0	2	84	0	26	0	0	2	4
		2005	32	0	14	6	0	64	0	6	2	0	4	1
		2006	14	0	6	0	0	86	0	12	0	0	4	4
FL	Flamborough	2002	12	0	28	8	0	76	10	6	4	28	2	10
		2003	14	0	18	4	2	86	2	4	2	22	0	5
		2004	18	0	26	2	0	78	0	0	0	18	2	4
		2005	8	0	22	10	0	92	2	2	2	24	6	7
		2006	0	2	34	6	0	100	4	2	2	10	2	6
IB	Indefatigable Bank	2003	20	0	16	8	0	68	4	2	0	12	4	3
		2004	20	0	14	4	0	76	0	6	2	18	2	3
		2005	14	2	18	14	0	80	2	10	2	22	6	8
		2006	16	6	36	10	2	84	2	4	0	18	4	6
IC	Inner Cardigan Bay	2003	12	2	12	10	4	86	0	8	4	36	12	10
		2004	2	16	18	14	6	98	0	8	6	6	8	12
		2005	4	4	18	24	2	96	2	4	0	10	10	9
		2006	0	25	25	10	0	98	0	5	0	10	5	9
LB	Liverpool Bay	2002	14	4	26	8	0	78	8	22	14	0	2	11
		2003	10	4	10	14	2	88	0	8	0	0	8	6
		2004	14	8	24	14	4	82	4	14	2	0	12	11
		2005	10	4	12	20	2	86	0	16	2	0	12	7
		2006	4	16	28	10	0	92	2	16	0	6	4	8

Table A1 (continued)

Site code	Site name	Year	NAD	NNT	FCA	BN	MN	NSI	LY	U	EP	HYP	LN	Harm score
MB	Morecambe Bay	2002	30	2	16	2	0	64	0	24	0	0	2	3
		2003	34	0	16	0	0	60	2	14	2	28	0	4
		2004	32	2	3	0	0	66	0	10	2	0	0	2
		2005	8	0	22	0	0	90	0	16	2	0	0	5
		2006	8	0	34	6	0	90	0	12	0	0	2	6
NC	North Cardigan Bay	2002	16	4	30	18	2	78	0	4	2	10	16	9
		2003	18	0	10	6	0	82	0	12	4	14	4	5
		2004	12	4	32	10	4	88	0	18	0	8	8	9
ND	North Dogger	2002	6	0	46	18	4	82	4	38	0	36	18	17
		2003	4	0	49	10	4	90	0	28	4	30	6	14
		2004	4	0	44	10	0	86	0	12	0	40	2	10
		2005	4	0	42	16	0	96	0	14	2	32	4	10
		2006	16	4	54	16	8	74	14	16	0	26	12	17
NED	North East Dogger	2004	2	0	46	18	4	96	2	28	2	38	8	14
		2005	4	8	58	20	6	94	4	18	8	36	8	19
		2006	8	2	58	10	6	88	12	22	2	30	14	19
NH	Newhaven	2005	28	10	14	0	0	62	0	0	0	0	0	2
		2006	22	2	12	0	0	74	0	2	0	0	0	2
OH	Off Humber	2002	10	2	30	2	0	84	4	6	4	6	6	7
		2003	14	4	26	0	0	76	6	0	6	8	0	5
		2004	18	6	18	4	0	82	0	0	2	12	0	3
		2005	10	4	28	6	6	90	4	6	6	20	2	9
		2006	8	0	22	6	4	92	4	0	2	6	4	6
RW	Red Wharf Bay	2002	16	4	16	6	0	75	12	8	10	4	6	8
		2003	18	0	10	6	2	56	0	4	0	0	0	0
		2004	34	0	6	2	0	64	0	8	0	0	0	1
		2005	36	6	14	0	0	58	0	8	0	0	0	1
		2006	10	0	20	8	0	90	4	4	0	2	2	6
RB	Rye Bay	2002	42	0	18	0	0	50	4	6	0	4	2	2
		2003	50	2	16	0	0	42	0	10	4	10	0	2
		2004	38	0	8	0	0	60	0	4	0	4	0	1
		2005	32	6	4	0	0	62	0	4	0	4	0	1
		2006	22	4	6	2	0	66	2	2	0	2	0	1
SC	South Cardigan Bay	2003	14	4	16	10	2	80	0	6	2	34	12	7
		2006	4	18	28	16	6	98	4	0	0	8	16	14
SE	South Eddystone	2005	30	0	4	0	0	70	0	0	0	0	0	1
		2006	18	6	18	0	0	78	2	4	4	0	0	4
IOM SE	Isle of Man	2003	44	0	10	0	0	54	0	16	10	32	0	5
		2004	18	6	4	6	0	68	2	8	4	0	6	4
		2005	12	4	15	20	4	86	2	16	2	0	16	11
		2006	12	4	38	14	4	84	2	12	0	0	10	10
SB	St Bees	2002	12	4	40	10	2	84	10	8	0	0	10	9
		2004	16	8	18	4	0	78	0	18	2	0	10	7
		2005	14	0	14	14	0	86	2	2	0	0	2	5
		2006	0	18	42	22	0	96	0	8	4	0	10	13
TB	Tees Bay	2003	10	12	10	0	0	86	2	2	2	4	0	4
		2004	46	0	6	0	0	54	6	0	2	4	2	1
		2005	8	0	2	0	0	92	0	0	0	6	0	3
		2006	2	4	4	0	0	98	10	2	0	6	0	5
WD	West Dogger	2002	10	3	43	13	2	88	9	23	4	41	17	18
		2003	4	0	30	12	0	92	2	10	4	50	10	13
		2004	0	4	42	12	0	100	0	8	0	36	4	8
		2005	0	4	56	10	2	100	2	6	6	52	6	12
		2006	0	12	56	20	0	100	1	16	0	36	7	14
WA	Wash	2002	42	2	15	3	0	54	3	8	3	5	2	0