

**Table 11.** Number of samples exceeding the acute and chronic total-ammonia guidelines by year and site, Upper Klamath and Agency Lakes, Oregon, 1990–2006.

[See [figure 1](#) for site names and locations, exceedances are shown in bold type and shaded]

Based on acute criterion for when salmonid fish are present (based on a 1-hour average concentration)																																				
Site	1990		1991		1992		1993		1994		1995		1996		1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		1990–2006	
Number of	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances		
	AN	0	0	4	0	8	0	9	0	4	0	9	0	1	0	5	0	9	0	5	0	12	0	7	0	6	0	5	0	9	0	9	0	9	0	111
AS	8	0	8	0	11	0	12	0	7	0	9	0	8	0	9	0	8	0	6	0	10	0	6	0	4	0	5	0	8	0	9	0	5	0	133	0
CP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	8	0	5	0	11	0	6	0	7	0	7	0	9	0	8	0	6	0	69	0
ER	7	0	8	0	13	0	11	0	10	0	10	0	9	0	8	0	10	0	6	0	11	0	7	<b>1</b>	6	0	7	0	8	0	9	0	6	0	146	<b>1</b>
ML	0	0	7	0	9	0	10	0	9	0	8	0	7	0	8	<b>1</b>	7	0	6	0	9	0	6	0	5	0	7	0	6	0	6	0	6	0	116	<b>1</b>
MN	5	0	7	0	11	0	10	0	12	0	9	0	9	0	6	0	10	<b>1</b>	5	0	9	0	6	0	7	0	6	0	6	0	7	0	6	0	131	<b>1</b>
NB	0	0	7	0	9	0	11	0	5	0	8	0	0	0	7	0	8	0	6	0	9	0	7	0	5	0	5	0	6	0	7	0	6	0	106	0
PM	0	0	7	0	9	0	11	<b>1</b>	7	0	8	0	0	0	7	0	10	0	5	0	7	0	5	0	5	0	5	0	8	0	7	0	5	0	106	<b>1</b>
SB	7	0	7	0	13	0	14	0	9	0	10	0	11	<b>2</b>	7	<b>1</b>	10	<b>1</b>	5	0	9	0	6	<b>1</b>	5	0	7	0	9	0	8	0	6	0	143	<b>5</b>
WB	1	0	8	0	10	0	13	0	5	0	9	0	0	0	6	0	6	0	4	0	9	0	5	<b>1</b>	3	0	5	0	5	0	8	0	6	0	103	<b>1</b>
All	28	0	63	0	93	0	101	<b>1</b>	68	0	80	0	45	<b>2</b>	65	<b>2</b>	86	<b>2</b>	53	0	96	0	61	<b>3</b>	53	0	59	0	74	0	78	0	61	0	1,164	<b>10</b>
Based on chronic criterion for when fish early life stages are present (based on a 30-day average concentration)																																				
Site	1990		1991		1992		1993		1994		1995		1996		1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		1990–2006	
Number of	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances	Samples	Exceedances		
	AN	0	0	4	0	8	0	9	0	4	0	9	0	1	0	5	0	9	0	5	0	12	0	7	0	6	0	5	<b>1</b>	9	0	9	0	9	0	111
AS	8	0	8	0	11	0	12	0	7	0	9	0	8	0	9	0	8	0	6	0	10	<b>1</b>	6	0	4	0	5	0	8	0	9	0	5	0	133	<b>1</b>
CP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	<b>1</b>	8	<b>2</b>	5	0	11	<b>2</b>	6	<b>1</b>	7	<b>2</b>	7	0	9	<b>2</b>	8	0	6	<b>1</b>	69	<b>11</b>
ER	7	0	8	0	13	0	11	0	10	0	10	<b>1</b>	9	<b>2</b>	8	<b>2</b>	10	<b>2</b>	6	<b>1</b>	11	<b>3</b>	7	<b>3</b>	6	<b>1</b>	7	<b>1</b>	8	<b>1</b>	9	<b>1</b>	6	0	146	<b>18</b>
ML	0	0	7	0	9	0	10	0	9	0	8	0	7	0	8	<b>1</b>	7	0	6	0	9	0	6	<b>2</b>	5	0	7	<b>1</b>	6	0	6	0	6	0	116	<b>4</b>
MN	5	<b>1</b>	7	0	11	0	10	0	12	0	9	0	9	<b>2</b>	6	<b>1</b>	9	<b>1</b>	5	0	9	<b>2</b>	6	<b>2</b>	7	<b>2</b>	6	0	6	0	7	0	6	<b>1</b>	130	<b>12</b>
NB	0	0	7	0	9	0	11	<b>1</b>	5	0	8	0	0	0	7	0	9	<b>2</b>	6	0	9	<b>1</b>	7	<b>3</b>	5	0	5	0	6	0	7	0	6	0	107	<b>7</b>
PM	0	0	7	0	9	0	11	<b>1</b>	7	<b>1</b>	8	0	0	0	7	<b>2</b>	10	0	5	0	7	0	5	<b>1</b>	5	0	5	0	8	<b>1</b>	7	0	5	0	106	<b>6</b>
SB	7	<b>2</b>	7	0	13	0	14	<b>1</b>	9	0	10	0	11	<b>4</b>	7	<b>2</b>	10	<b>3</b>	5	0	9	<b>1</b>	6	<b>2</b>	5	0	7	<b>1</b>	9	<b>1</b>	8	0	6	<b>1</b>	143	<b>18</b>
WB	1	0	8	<b>1</b>	10	0	13	<b>1</b>	5	0	9	<b>1</b>	0	0	6	0	6	0	4	<b>1</b>	9	<b>3</b>	5	<b>2</b>	3	0	5	0	5	0	8	0	6	<b>1</b>	103	<b>10</b>
All	28	<b>3</b>	63	<b>1</b>	93	0	101	<b>4</b>	68	<b>1</b>	80	<b>2</b>	45	<b>8</b>	65	<b>9</b>	86	<b>10</b>	53	<b>2</b>	96	<b>13</b>	61	<b>16</b>	53	<b>5</b>	59	<b>4</b>	74	<b>5</b>	78	<b>1</b>	61	<b>4</b>	1,164	<b>88</b>