

Turbine Unit Strainer Inspections 2009-2010

Location	Date	Turbine Units	Lamprey Mortality	Notes
MCN	10-16 Apr	Not Checked	---	---
MCN	17-23 Apr	Not Checked	---	---
MCN	24-30 Apr	Not Checked	---	---
MCN	1-7 May	Not Checked	---	---
MCN	12-13 May	All	15	89 Live fish all in turbine unit 1, 0-15 mortis removed from each of the rest. 14 Chook mortis removed from 1, 11 and 14
MCN	15-21 May	Not Checked	---	---
MCN	22-28 May	Not Checked	---	---
MCN	29 May-4 Jun	Not Checked	---	---
MCN	4-11 Jun	Not Checked	---	---
MCN	11-17 Jun	1, 4, 6, 8, 14	30	1 Hatchlings on turbine units 5 and 7 could not be opened
MCN	19-25 Jun	Not Checked	---	---
MCN	26 Jun-2 Jul	Not Checked	---	---
MCN	3-9 Jul	Not Checked	---	---
MCN	10-16 Jul	Not Checked	---	---
MCN	17-23 Jul	Not Checked	---	---
MCN	24-30 Jul	Not Checked	---	---
MCN	31 Jul-6 Aug	Not Checked	---	---
MCN	7-13 Aug	Not Checked	---	---
MCN	14-20 Aug	Not Checked	---	---
MCN	21-27 Aug	Not Checked	---	---
MCN	28 Aug-3 Sep	Not Checked	---	---
MCN	4-10 Sep	Not Checked	---	---
MCN	11-17 Sep	Not Checked	---	---
MCN	18-24 Sep	Not Checked	---	---
MCN	25 Sep-1 Oct	Not Checked	---	---
MCN	2-8 Oct	Not Checked	---	---
MCN	9-15 Oct	Not Checked	---	---
MCN	16-22 Oct	Not Checked	---	---
MCN	23-29 Oct	Not Checked	---	---
MCN	30 Oct-5 Nov	Not Checked	---	---
MCN	6-12 Nov	Not Checked	---	---
MCN	13-19 Nov	Not Checked	---	---
MCN	20-26 Nov	Not Checked	---	---
MCN	27 Nov-3 Dec	Not Checked	---	---
MCN	4-10 Dec	Not Checked	---	---
MCN	11-17 Dec	Not Checked	---	---
MCN	18-24 Dec	Not Checked	---	---
MCN	25-31 Dec	Not Checked	---	---
ICH	2 Feb	1	300	0 400 lamprey reported in strainers by email, no tally of live fish and mortalities.
ICH	10-16 Apr	Not Checked	---	---
ICH	17-23 Apr	All	---	---
ICH	24-30 Apr	All	---	---
ICH	1-7 May	All	---	---
ICH	12-13 May	All	---	---
ICH	15-21 May	All	---	---
ICH	22-28 May	All	---	---
ICH	29 May-4 Jun	All	---	---
ICH	4-11 Jun	All	---	---
ICH	11-17 Jun	All	---	---
ICH	18-24 Jun	All	---	---
ICH	25 Jun-1 Jul	All	---	---
ICH	2-8 Jul	All	---	---
ICH	9-15 Jul	1, 3, 6	0	0 Direct Inspections done Strainers cleaned concurrently with STS inspections.
ICH	16-22 Jul	All	---	---
ICH	23-29 Jul	All	---	---
ICH	30 Jul-5 Aug	All	---	---
ICH	6-12 Aug	All	---	---
ICH	13-19 Aug	1, 3, 4	0	0 Direct Inspections done Strainers cleaned concurrently with STS inspections, turbine unit 2 out of service.
ICH	20-26 Aug	5	0	0 Pressure differential check - no direct inspection
ICH	27 Aug-3 Sep	1, 3, 4	0	0 Direct Inspections done Strainers cleaned concurrently with STS inspections.
ICH	4-10 Sep	All	---	---
ICH	11-17 Sep	All	---	---
ICH	18-24 Sep	1, 3, 4	0	0 Lamprey mortality found in turbine unit 2, unidentified mortality found in turbine unit 4.
ICH	25 Sep-1 Oct	5	0	0 Pressure differential check - no direct inspection
ICH	2-8 Oct	2, 3, 4, 5, 6	0	0 Other mortalities included 7 shad, 2 cun shels, 11 Sebren Phraens, 1 crayfish and 7 unidentified fish.
ICH	9-15 Oct	All	---	---
ICH	16-22 Oct	All	---	---
ICH	23-29 Oct	All	---	---
ICH	30 Oct-5 Nov	All	---	---
ICH	6-12 Nov	All	---	---
ICH	13-19 Nov	2, 3, 4, 5	0	0 Pressure differential check - no direct inspection
ICH	20-26 Nov	23	0	0 Turbine unit 3 found plugged with shad.
ICH	27 Nov-3 Dec	3, 5, 6	0	0 Several shad mortalities found.
ICH	4-10 Dec	All	---	---
ICH	11-17 Dec	All	---	---
ICH	18-24 Dec	All	---	---
ICH	25-31 Dec	All	---	---
ICH	2 Feb	All	701	0 Pressure differential check - no direct inspection
LMD	1-5 Mar	Not Nosed	140	3 Live lamprey released into balance
LMD	6-12 Mar	Not Nosed	41	0
LMD	13-19 Mar	Not Checked	---	---
LMD	20-26 Mar	Not Checked	---	---
LMD	27-31 Mar	Not Checked	---	---
LMD	1-7 May	Not Checked	---	---
LMD	12-13 May	Not Checked	---	---
LMD	15-21 May	Not Checked	---	---
LMD	22-28 May	Not Checked	---	---
LMD	29 May-4 Jun	Not Checked	---	---
LMD	5 Jun	All	27	1 Other mortalities include 15 Chook, 3 seaweed and 45 unidentified fish.
LMD	12-18 Jun	Not Checked	---	---
LMD	19-25 Jun	Not Checked	---	---
LMD	26 Jun-2 Jul	Not Checked	---	---
LMD	3-9 Jul	Not Checked	---	---
LMD	10-16 Jul	All	0	15
LMD	17-23 Jul	Not Checked	---	---
LMD	24-30 Jul	Not Checked	---	---
LMD	31 Jul-6 Aug	Not Checked	---	---
LMD	7-13 Aug	All	0	0
LMD	14-20 Aug	All	0	0
LMD	21-27 Aug	Not Checked	---	---
LMD	28 Aug-3 Sep	Not Checked	---	---
LMD	4-10 Sep	Not Checked	---	---
LMD	11-17 Sep	1, 2, 3, 4, 5, 6	0	0
LMD	18-24 Sep	1, 2, 3, 4, 5, 6	0	0
LMD	25 Sep-1 Oct	Not Checked	---	---
LMD	2-8 Oct	Not Checked	---	---
LMD	9-15 Oct	1	0	0
LMD	16-22 Oct	2, 3, 4, 5, 6	0	0 Other mortalities include 22 shad.
LMD	23-29 Oct	Not Checked	---	---
LMD	30 Oct-5 Nov	1, 2, 3, 4, 5, 6	0	0 Other mortalities include 37 shad.
LMD	6-12 Nov	Not Checked	---	---
LMD	13-19 Nov	Not Checked	---	---
LMD	20-26 Nov	Not Checked	---	---
LMD	27 Nov-3 Dec	1, 2, 3, 4, 5, 6	---	---
LMD	4-10 Dec	Not Checked	---	---
LMD	11-17 Dec	Not Checked	---	---
LMD	18-24 Dec	Not Checked	---	---
LMD	25-31 Dec	Not Checked	86	0 16 mortis out of turbine unit 3, 27 out of turbine unit 5 and 43 out of turbine unit 6.
LMD	26 Jan	3, 5, 6	---	---
LGO	17-23 Apr	Not Checked	---	---
LGO	24-30 Apr	Not Checked	---	---
LGO	1-7 May	Not Checked	---	---
LGO	8-14 May	Not Checked	---	---
LGO	15-21 May	Not Checked	---	---
LGO	22-28 May	Not Checked	---	---
LGO	29 May-4 Jun	Not Checked	---	---
LGO	5 Jun	All	---	---
LGO	12-18 Jun	Not Checked	---	---
LGO	19-25 Jun	Not Checked	---	---
LGO	26 Jun-2 Jul	Not Checked	---	---
LGO	3-9 Jul	4	0	0
LGO	10-16 Jul	Not Checked	---	---
LGO	17-23 Jul	Not Checked	---	---
LGO	24-30 Jul	Not Checked	---	---
LGO	31 Jul-6 Aug	Not Checked	---	---
LGO	7-13 Aug	1, 2, 4, 5, 6	0	0
LGO	14-20 Aug	1, 2, 4, 5, 6	0	0
LGO	21-27 Aug	6	0	0
LGO	28 Aug-3 Sep	1, 2, 3, 4, 5, 6	0	0
LGO	4-10 Sep	Not Checked	---	---
LGO	11-17 Sep	Not Checked	---	---
LGO	18-24 Sep	1, 2, 3, 4, 5, 6	0	0
LGO	25 Sep-1 Oct	1, 2, 3, 4, 5, 6	0	0
LGO	2-8 Oct	Not Checked	---	---
LGO	9-15 Oct	1, 2, 3, 4, 5, 6	0	0
LGO	16-22 Oct	Not Checked	---	---
LGO	23-29 Oct	Not Checked	---	---
LGO	30 Oct-5 Nov	Not Checked	---	---
LGO	6-12 Nov	Not Checked	---	---
LGO	13-19 Nov	Not Checked	---	---
LGO	20-26 Nov	Not Checked	---	---
LGO	27 Nov-3 Dec	Not Checked	---	---
LGO	4-10 Dec	Not Checked	---	---
LGO	11-17 Dec	Not Checked	---	---
LGO	18-24 Dec	Not Checked	---	---
LGO	25-31 Dec	Not Checked	---	---
LGO	8 Feb	All	17	0 Mortality distribution: 3 in #2, 13 in #3 and 1 in #5.
LGR	10-16 Apr	Not Checked	---	---
LGR	17-23 Apr	Not Checked	---	---
LGR	24-30 Apr	Not Checked	---	---
LGR	1-7 May	Not Checked	---	---
LGR	8-14 May	Not Checked	---	---
LGR	15-21 May	Not Checked	---	---
LGR	22-28 May	Not Checked	---	---
LGR	29 May-4 Jun	Not Checked	---	---
LGR	5 Jun	All	---	---
LGR	12-18 Jun	Not Checked	---	---
LGR	19-25 Jun	Not Checked	---	---
LGR	26 Jun-2 Jul	Not Checked	---	---
LGR	3-9 Jul	Not Checked	---	---
LGR	10-16 Jul	Not Checked	---	---
LGR	17-23 Jul	Not Checked	---	---
LGR	24-30 Jul	Not Checked	---	---
LGR	31 Jul-6 Aug	Not Checked	---	---
LGR	7-13 Aug	Not Checked	---	---
LGR	14-20 Aug	Not Checked	---	---
LGR	21-27 Aug	Not Checked	---	---
LGR	28 Aug-3 Sep	Not Checked	---	---
LGR	4-10 Sep	Not Checked	---	---
LGR	11-17 Sep	Not Checked	---	---
LGR	18-24 Sep	3	0	0
LGR	25 Sep-1 Oct	5	0	0
LGR	2-8 Oct	Not Checked	---	---
LGR	9-15 Oct	Not Checked	---	---
LGR	16-22 Oct	Not Checked	---	---
LGR	23-29 Oct	Not Checked	---	---
LGR	30 Oct-5 Nov	Not Checked	---	---
LGR	6-12 Nov	Not Checked	---	---
LGR	13-19 Nov	Not Checked	---	---
LGR	20-26 Nov	Not Checked	---	---
LGR	27 Nov-3 Dec	Not Checked	---	---
LGR	4-10 Dec	Not Checked	---	---
LGR	11-17 Dec	Not Checked	---	---
LGR	18-24 Dec	Not Checked	---	---
LGR	25-31 Dec	Not Checked	---	---

Turbine Unit Strainer Inspections 2010

Location	Date	Turbine Units (Number Lamprey Found)														Totals	Turbine Units (Hours Run Time)														Notes						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14		1	2	3	4	5	6	7	8	9	10	11	12	13	14							
MCN	2-Mar-10	3	1	2	6	0	11	10	3	0	3	0	0	1	2	42	8.5 months since last inspection														---	Includes 1 live lamprey found in turbine unit 3. Inspections done 3/1, 3/2 and 3/5					
MCN	12-Apr-10	1	0	1	0	0	2	0	2	2	1	0	0	1	1	11	911.0	913.0	956.0	967.0	291.0	167.0	220.0	470.0	611.0	790.0	782.0	960.0	969.0	962.0	---	Includes 1 live lamprey each found in turbine units 1 and 8.					
MCN	24-May-10	3	1	4	0	---	2	19	1	---	8	8	4	6	3	59	984.0	526.0	1030.0	1032.0	1029.0	653.0	142.0	253.0	512.0	650.0	782.0	926.0	954.0	1015.0	---	Smolts: 20 in #1, 6 in #7, 1 ea in #10 & #11, 6 in #14. 9 unidentified fish also found.					
IHR	12-Jan-10	---	3	5	*	1	*	---	---	---	---	---	---	---	9	2 months since last inspection														---	Includes 1 lamprey in turbine unit 2 and four in turbine unit 3 found alive						
IHR	2-Feb-10	---	1	200	415	75	10	---	---	---	---	---	---	---	701	0.0	453.0	311.0	146.0	306.0	6.0	(Rough hand count of hours)														---	No live lamprey found
IHR	9-Feb-10	---	0	13	14	17	1	---	---	---	---	---	---	---	45	0.0	179.5	131.2	75.1	123.2	8.0	---	---	---	---	---	---	---	---	---	Includes 1 lamprey each in turbine units 3 and 4 found alive.						
IHR	16-Feb-10	---	0	8	5	11	6	---	---	---	---	---	---	---	30	0.0	317.5	219.5	82.9	190.2	14.0	---	---	---	---	---	---	---	---	---	No live lamprey found						
IHR	2-Mar-10	---	0	1	0	1	0	---	---	---	---	---	---	---	2	0.0	130.2	54.4	22.9	54.1	0.0	---	---	---	---	---	---	---	---	---	Includes 1 lamprey in turbine unit 3 found alive.						
IHR	2-Apr-10	0	0	0	0	0	0	---	---	---	---	---	---	---	0	364.0	509.0	590.0	366.0	58.0	0.0	---	---	---	---	---	---	---	---	---	No fish found.						
IHR	4-May-10	0	0	1	---	---	---	---	---	---	---	---	---	---	1	688.3	94.6	118.2	---	---	---	---	---	---	---	---	---	---	---	---	No live fish found.						
IHR	12-May-10	---	---	---	15	8	8	---	---	---	---	---	---	---	31	---	---	---	203.4	16.4	5.6	---	---	---	---	---	---	---	---	---	No live fish found, 1 uncl unidentified juv in #5 and #4 (ea), cl juv st found in #4.						
IHR	22-Jun-10	---	0	---	10	12	15	---	---	---	---	---	---	---	37	---	495.7	---	816.6	565.3	394.7	---	---	---	---	---	---	---	---	---	No live fish found.						
IHR	23-Jun-10	0	---	0	---	---	---	---	---	---	---	---	---	---	0	1187.7	---	871.2	---	---	---	---	---	---	---	---	---	---	---	---	No live fish found.						
LMN	26-Jan-10	---	---	63	11	86	47	---	---	---	---	---	---	---	207	2 months since last inspection														---	Includes 3 live lamprey each in turbine units 5 and 6						
LMN	3-Feb-10	---	---	16	---	27	43	---	---	---	---	---	---	---	86	0.0	0.0	211.0	0.0	124.0	37.0	(Rough hand count of hours)														---	No live lamprey found, cooling water runs 24/7.
LMN	31-Mar-10	1	0	3	0	9	1	---	---	---	---	---	---	---	14	1.0	1,066.0	818.0	127.0	290.0	104.0	(Rough hand count of hours)														---	1 S. Prawn in #1, 2 S. Prawn in #5, 2 S. Prawn & 1 Crappie in #6 all mortalities.
LMN	12-Apr-10	2	1	0	0	0	0	---	---	---	---	---	---	---	3	0.0	312.0	61.0	43.0	2.0	1.0	(Rough hand count of hours)														---	No live lampreys found. S. Prawn in #3, 1 S. Prawn in #4 and 1 S. Prawn in #5 all live.
LGS	8-Feb-10	0	0	3	13	1	0	---	---	---	---	---	---	---	17	4 months since last inspection														---	No live lamprey found						
LGS	9-Mar-10	0	0	2	0	0	0	---	---	---	---	---	---	---	2	190.0	57.0	361.0	23.0	443.0	37.0	(Rough hand count of hours)														---	1 lamprey, 2 siberian prawn mortalities found in turbine unit 5.
LGS	22-Mar-10	0	0	0	0	1	0	---	---	---	---	---	---	---	1	328.0	0.0	190.0	18.0	0.0	0.0	---	---	---	---	---	---	---	---	---	Total includes 1 live lamprey in turbine unit 5.						
LGS	8-Apr-10	0	0	0	0	2	0	---	---	---	---	---	---	---	2	401.0	220.0	86.0	11.0	5.0	1.0	---	---	---	---	---	---	---	---	---	No live fish found.						
LGS	7-May-10	0	1	0	0	0	0	---	---	---	---	---	---	---	1	699.0	470.0	128.0	87.0	7.0	6.0	---	---	---	---	---	---	---	---	---	No live fish found. 2 smolt mortalities found in #3, probably yearling Chinook.						
LGS	31-May-10	6	9	15	0	11	0	---	---	---	---	---	---	---	41	743.0	743.0	579.0	167.0	53.0	0.0	---	---	---	---	---	---	---	---	---	No live fish found. 1 subyearling Chinook mortality (ea) found in turbine units 5 & 6.						
LGS	30-Jun-10	4	5	17	0	16	127	---	---	---	---	---	---	---	169	717.0	715.0	714.0	657.0	404.0	363.0	---	---	---	---	---	---	---	---	---	No lampreys found.						
LWG	1-Feb-10	0	---	---	---	---	---	---	---	---	---	---	---	---	0	Last inspections took place in turbine units 3 and 5 in September 2009														---	Turbine units 2 - 6 not inspected in the previous month.						
LWG	15-Mar-10	0	125	0	25	44	16	---	---	---	---	---	---	---	210	0.0	379.0	0.0	382.0	662.0	228.0	(Turbine unit 1 not operated 2/1 to 3/15).														---	All recovered lampreys were mortalities.
LWG	15-Apr-10	5	3	0	3	2	0	---	---	---	---	---	---	---	13	694.0	353.0	0.0	77.0	72.0	0.0	---	---	---	---	---	---	---	---	---	All recovered lampreys were mortalities.						
LWG	26-May-10	72	92	0	97	76	61	---	---	---	---	---	---	---	398	678.0	902.0	0.0	542.0	335.0	179.0	---	---	---	---	---	---	---	---	---	All recovered lampreys were mortalities.						
LWG	22-Jun-10	10	4	0	3	5	0	---	---	---	---	---	---	---	22	658.0	537.9	0.0	649.5	619.2	539.9	---	---	---	---	---	---	---	---	---	All recovered lampreys were mortalities.						