

Mortality recording form Trial number: \_\_\_\_\_

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/3-6 File folder: 11a Page 1 of 8

Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, ① D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM 0830	PM 0900	Tank #	AM 0830	PM 0900
A-1	0	0	B-1	0	1 morbidity
A-2	0	0	B-2	0	0
A-3	0	0	B-3	0	0
A-4	0	0	B-4	0	0
A-5	0	0	B-5	0	0
A-6	0	0	B-6	0	0
A-7	0	0	B-7	0	0
A-8	0	0	B-8	0	0
A-9	0	0	B-9	0	0
Data Collector	SMS	SMS	Data Collector	SMS	SMS
Time	0830	0900	Time	0830	0900
Date	16 JUN 12	17 JUN 12	Date	16 JUN 12	17 JUN 12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

① Mortality tracking sheet - Pre dosing

Mortality recording form Trial number: \_\_\_\_\_

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): #2/3-6 File folder: 11a Page 2 of 8

Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
~~D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23~~

Tank #	AM 0900	PM AM	Tank #	AM 0900	PM AM
A-1	0	0	B-1	0	0
A-2	0	0	B-2	0	0
A-3	0	0	B-3	0	0
A-4	0	0	B-4	0	0
A-5	0	0	B-5	0	0
A-6	0	0	B-6	0	63 <sup>①</sup>
A-7	0	0	B-7	0	0
A-8	0	0	B-8	0	0
A-9	0	0	B-9	0	0
Data Collector	SMS	SMS	Data Collector	SMS	SMS
Time	0900	0800	Time	0900	0800
Date	18 JUN 12	19 JUN 12	Date	18 JUN 12	19 JUN 12

Notes: \_\_\_\_\_

① Mortality tracking sheet - Pre-dosing

① Flow to tank decreased overnight, and air flow also reduced. 19 JUN 12 SMS

Mortality recording form Trial number: \_\_\_\_\_

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): #2/3-6 File folder: 1/a Page 3 of 8

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Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, ① D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM 0750	PM	Tank #	AM 0750	PM
A-1	0	not observed	B-1	0	not observed
A-2	0		B-2	0	
A-3	0		B-3	1	
A-4	0		B-4	0	
A-5	0		B-5	0	
A-6	0		B-6	0	
A-7	0		B-7	0	
A-8	0		B-8	0	
A-9	0		B-9	0	
Data Collector	SMS		Data Collector	SMS	
Time	7:50		Time	7:50	
Date	20 JUN 12		Date	20 JUN 12	

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

① Pre-Dosing

Mortality recording form Trial number: \_\_\_\_\_

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): #2/3-6 File folder: 11a Page 4 of 8

Proofed: 6 MAR 15 SNS Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	0	0	B-1	0	0
A-2	0	0	B-2	0	0
A-3	0	0	B-3	0	0
A-4	0	0	B-4	0	0
A-5	0	0	B-5	0	0
A-6	0	0	B-6	—	—
A-7	0	0	B-7	0	0
A-8	0	0	B-8	0	0
A-9	0	0	B-9	0	0
Data Collector	MPW	MPW	Data Collector	MPW	MPW
Time	8:00am	3:00pm	Time	8:00am	3:00pm
Date	21 Jun 12	21 Jun 12	Date	21 Jun 12	21 Jun 12

Notes: \_\_\_\_\_

① Pre-dosing

Mortality recording form Trial number: \_\_\_\_\_

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.  
 Lab data book/page(s): #2/3-6 File folder: 11a Page 5 of 8  
 Proofed: 6 MARIS SMS Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, ② D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	0	0	B-1	0	
A-2	0		B-2	0	
A-3	0		B-3	0	
A-4	0		B-4	0	
A-5	0		B-5	0	
A-6	<del>0</del> <sup>mor</sup> 0		B-6	0	
A-7	0		B-7	0	
A-8	0		B-8	0	
A-9	0		B-9	0	
Data Collector	MPW		Data Collector	MPW	
Time	7:55am		Time	7:55am	
Date	22 Jun 12		Date	22 Jun 12	

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

① found while cleaning 22 Jun 12 MPW      ② Pre-dosing

Mortality recording form Trial number: \_\_\_\_\_

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.  
 Lab data book/page(s): #2/3-6 File folder: 11a Page 6 of 8  
 Proofed: 6 MAR 15 845 Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator for each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23  
 ①

Tank #	AM	PM	Tank #	AM	PM
A-1	0	0	B-1	0	0
A-2	2	1	B-2	0	0
A-3	0	0	B-3	0	0
A-4	0	0	B-4	0	0
A-5	0	0	B-5	0	0
A-6	8	4	B-6	0	0
A-7	0	0	B-7	0	0
A-8	0	0	B-8	0	0
A-9	2	0	B-9	0	0
Data Collector	MPW	MPW	Data Collector	MPW	MPW
Time	7:50 am	10:50 am	Time	7:50 am	10:50 am
Date	23 Jun 12	23 Jun 12	Date	23 Jun 12	23 Jun 12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

① Pre-dosing

Mortality recording form Trial number: \_\_\_\_\_

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): \*2/3-6 File folder: 11a Page 7 of 8

Proofed: 6 MAR 15 8:45 Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

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 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	0	0		B-1	0	0
A-2	3	0		B-2	0	0
A-3	0	0		B-3	0	0
A-4	0	0		B-4	4	0
A-5	0	0		B-5	0	1
A-6	<del>4</del> 3 <sup>①</sup>	0		B-6	0	0
A-7	0	0		B-7	0	0
A-8	0	0		B-8	0	0
A-9	4	0		B-9	0	0
Data Collector	MPW	MPW		Data Collector	MPW	MPW
Time	7:50am	11 AM		Time	7:50am	11 AM
Date	6/24/12	6/24/12		Date	6/24/12	6/24/12

Notes: \_\_\_\_\_

① wrote the wrong number MPW 6/24/12    ② Pre-dosing



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 Lab data book/page(s): # 2/3-6 File folder: 11a Page 8 of 8  
 Proofed: CMARIS Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	0		B-1	0	
A-2	<del>3</del> 2 <sup>0</sup>		B-2	2	
A-3	10 <del>6</del> 9 <sup>0</sup>	2 <sup>3</sup>	B-3	0	
A-4	0		B-4	0	
A-5	0		B-5	0	
A-6	7 <sup>0</sup> 3		B-6	0	1
A-7	0		B-7	0	
A-8	1	1	B-8	0	
A-9	4		B-9	1	
Data Collector	MPW		Data Collector	MPW	
Time	8:00am		Time	8:00am	
Date	6-25-12		Date	6/25/12	

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

① Found while doing water quality MPW 6/25/12

Circled mortalities removed after feed was placed in the feeders (~5 min later), and received no medication 25 JUN 12 SHS



AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: 

Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A1-1	5.5	8.5	NAF	OI	C	AM	mpw	mpw	6/27/12
A1-2	4.0	7.9	NAF	OI	C	AM	mpw	mpw	6/27/12
A1-3	9.3	8.4	NAF	OI	<del>C</del>	AM	mpw	mpw	6/28/12 <sup>①</sup>
A1-4	7.0	9.4	NAF	OD	C	AM	mpw	mpw	6/30/12
A1-5	5.7	8.8	NAF	gill arch L. side 1 - NAF tail - NAF ② scale scrape - NAF	M	AM	mpw	mpw	7/1/12
A1-6	2.8	7.2	NAF	OD	C	AM	mpw	mpw	7/1/12
A1-7	5.6	8.7	NAF	gill arch side 1 - NAF tail and dorsal fin - NAF scale scrape - NAF	M	AM	mpw	mpw	7/1/12
A1-8	8.1	9.7	NAF	OD	C	AM	mpw	mpw	7/2/12
A1-9	4.1	8.3	NAF	OI	C	PM	mpw	mpw	7/3/12
A1-10	7.2	9.7	thin	OD, yellow liquid	C	AM	mpw	mpw	7/4/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① wrong date. Actual - 6/29/12 mpw 6/29/12  
 ② illegible: says: L-side scale scrape - NAF 7/1/12 mpw

AEH-09-MAS-02

## Mortality observations recording form

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Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A2-1	5.5	8.8	NAF	OI	C	AM	MPW	MPW	6/26/12
A2-2	5.4	8.6	NAF	OD	C	AM	MPW	MPW	6/26/12
A2-3	4.7	8.7	NAF	OI	C	AM	MPW	MPW	6/26/12
A2-4	5.1	8.6	NAF	NR	-	AM	MPW	MPW	6/26/12
A2-5	6.1	9.1	NAF	NR	-	AM	MPW	MPW	6/24/12
A2-6	5.5	8.6	NAF	NR	-	AM	MPW	MPW	6/26/12
A2-7	3.6	7.0	NAF	NR	-	AM	MPW	MPW	6/26/12
A2-8	2.6	7.4	NAF	NR	-	AM	MPW	MPW	6/26/12
A2-9	4.8	8.5	NAF	OD	C	AM	MPW	MPW	6/28/12
A2-10	5.0	8.6	bite	OI	C	AM	MPW	MPW	6/27/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: \_\_\_\_\_



Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A2-11	3.7	7.9	NAF	left gill arch - 1 NAF tail and dorsal fin NAF scale scrape (R-side) NAF	M	AM	MPW	MPW	6/27/12
A2-12	3.5	7.7	NAF	left gill arch - 1 - NAF tail and dorsal fin - NAF scale scrape (L-side) NAF	M	AM	MPW	MPW	6/27/12
A2-13	3.7	7.4	NAF	NR	-	AM	MPW	MPW	6/27/12
A2-14	3.6	7.6	NAF	NR	-	AM	MPW	MPW	6/27/12
A2-15	2.9	7.0	NAF	NR	-	AM	MPW	MPW	6/27/12
A2-16	4.5	8.3	NAF	NR	-	AM	MPW	MPW	6/27/12
A2-17	4.0	7.9	Bite on belly	NR	-	AM	MPW	MPW	6/27/12
A2-18	4.5	8.3	NAF	NR	-	AM	MPW	MPW	6/27/12
A2-19	2.8	6.5	NAF	NR	-	AM	MPW	MPW	6/27/12
A2-20	5.4	8.6	NAF	L gill arch 1: NAF Tail: NAF L scale scrape: NAF	M	AM	MPW	MPW	6/28/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

AEH-09-MAS-02

## Mortality observations recording form

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Approved: 

Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A2-21	3.8 <sup>①</sup>	8.6 <sup>①</sup>	NAF	L. gill arches: NAF Tail: NAF L. sidescale scrape: NAF	M	AM	MPW	MPW	6/28/12
A2-22	3.2	7.4	NAF	NR	—	AM	MPW	MPW	6/28/12
A2-23	<del>9.1</del> <sup>②</sup>	9.1	NAF	NR	—	PM	MPW	MPW	6/29/12
A2-24	2.0	6.6	NAF	NR	—	AM	MPW	MPW	7/1/12
A2-25	1.8	6.5	Tail has bite marks	OD Kidney was gray	C	AM	MPW	MPW	7/5/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

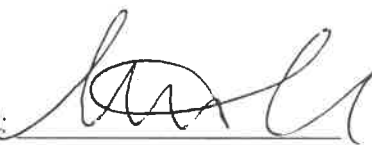
① written incorrectly - Actual wt: 4.5 length: 8.3 MPW 6/28/12  
② wrote length in wt. Actual wt is 5.5 MPW 6/29/12

AEH-09-MAS-02

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Approved: \_\_\_\_\_



Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A3-1	4.3	7.8	NAF	OD	C	AM	MPW	MPW	6/26/12
A3-2	3.6	7.7	NAF	OI	C	AM	MPW	MPW	6/26/12
A3-3	5.8	8.6	NAF	OD	C	AM	MPW	MPW	6/26/12
A3-4	7.2	9.6	NAF	OI	C	AM	MPW	MPW	6/26/12
A3-5	4.1	7.9	NAF	OI	C	AM	MPW	MPW	6/26/12
A3-6	4.9	8.2	NAF	<del>NA</del> <sup>⓪</sup> NR	-	AM	MPW	MPW	6/26/12
A3-7	4.2	7.7	NAF	NR	-	AM	MPW	MPW	6/26/12
A3-8	5.0	8.4	cloudy eyes	NR	-	AM	MPW	MPW	6/26/12
A3-9	4.6	8.4	NAF	NR	-	AM	MPW	MPW	6/26/12
A3-10	3.0	7.2	NAF	NR	-	AM	MPW	MPW	6/26/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

⓪ sloppy - NR MPW 6/26/12

AEH-09-MAS-02

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A3-11	3.9	8.0	NAF	NR	—	AM	MPW	MPW	6/26/12
A3-12	4.1	7.9	NAF	NR	—	AM	MPW	MPW	6/26/12
A3-13	4.4	8.5	NAF	NR	—	AM	MPW	MPW	6/26/12
A3-14	4.5	8.4	hole in gut	NR	—	AM	MPW	MPW	6/26/12
A3-15	3.3	7.8	NAF	NR	—	AM	MPW	MPW	6/26/12
A3-16	3.6	7.5	NAF	NR	—	AM	MPW	MPW	6/26/12
A3-17	4.7	8.6	NAF	NR	—	AM	MPW	MPW	6/26/12
A3-18	4.2	8.1	NAF	NR	—	AM	MPW	MPW	6/26/12
A3-19	4.8	8.1	NAF	left gill arch - 1 - NAF tail - NAF scale scrape (R-side) - NAF	M	AM	MPW	MPW	6/27/12
A3-20	4.9	8.6	NAF	left gill arch - 1 - NAF tail - NAF scale scrape (Left side) - NAF	M	AM	MPW	MPW	6/27/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

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Tank \_\_\_\_\_

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Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A3-21	4.9	8.3	Hole in posterior belly	NR	-	AM	MPW	MPW	6/27/12
A3-22	4.9	8.2	Hole in posterior belly	NR	-	AM	MPW	MPW	6/27/12
A3-23	4.8	8.7	NAF	NR	-	AM	MPW	MPW	6/27/12
A3-24	4.2	7.9	Hole in belly	NR	-	AM	MPW	MPW	6/27/12
A3-25	3.3	7.2	cloudy eyes	NR	-	AM	MPW	MPW	6/27/12
A3-26	5.2	8.7	NAF	NR	-	AM	MPW	MPW	6/28/12
A3-27	3.6	7.8	NAF	NR	-	AM	MPW	MPW	6/28/12
A3-28	4.3	8.0	hole in belly	NR	-	AM	MPW	MPW	6/28/12
A3-29	3.8	7.8	NAF	NR	-	AM	MPW	MPW	6/29/12
A3-30	4.0	8.0	NAF	NR	-	AM	MPW	MPW	6/29/12

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Tank \_\_\_\_\_

Approved: \_\_\_\_\_

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A4-1	3.6	7.5	NAF	O I	C	AM	MPW	MPW	6/26/12
A4-2	3.8	7.7	NAF	O I	C	AM	MPW	MPW	6/26/12
A4-3	4.9	8.7	NAF	O I	C	AM	MPW	MPW	6/26/12
A4-4	3.7	7.7	NAF	NR	—	PM	MPW	MPW	6/26/12
A4-5	4.3	8.4	NAF	O I	C	AM	MPW	MPW	6/27/12
A4-6	6.1	9.6	NAF	O I	C	AM	MPW	MPW	6/27/12
A4-7	4.8	8.4	NAF	L. gill arches 1 - NAF Tail and dorsal fin - NAF Scale scrape left side - NAF	M	PM	MPW	MPW	6/27/12
A4-8	4.8	8.9	NAF	L. gill arch NAF Tail - NAF L. scale scrape - NAF	M	AM	MPW	MPW	6/28/12
A4-9	6.3	9.3	NAF	NR	—	AM	MPW	MPW	6/28/12
A4-10	4.0	8.1	NAF	NR	✓	AM	MPW	MPW	6/28/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

AEH-09-MAS-02

## Mortality observations recording form

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A4-11	3.8	7.7	NAF	NR	-	Am	mpw	mpw	6/28/12
A4-12	4.8	8.6	NAF	NR	-	Am	mpw	mpw	6/28/12
A4-13	4.7	8.7	NAF	NR	-	Am	mpw	mpw	6/28/12
A4-14	4.2	8.3	NAF	NR	-	Pm	mpw	mpw	6/28/12
A4-15	3.5	7.6	NAF	NR	-	Am	mpw	mpw	6/29/12
A4-16	2.3	7.2	NAF	NR	-	Am	mpw	mpw	6/29/12
A4-17	4.5	8.2	NAF	NR	-	Am	mpw	mpw	6/29/12
A4-18	3.5	7.4	NAF	NR	-	Am	mpw	mpw	6/29/12
A4-19	4.8	8.5	NAF	NR	-	Pm	mpw	mpw	7/1/12
A4-20	3.8	8.0	NAF	OI	C	Am	mpw	mpw	7/3/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

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**Mortality observations recording form**

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A4-21	4.6	8.0	NAF	OD	C	PM	mpu	mpu	7/7/12
A4-22	3.4	7.4	missing tail YA	YI, OD	C	AM	mpu	mpu	7/14/12
A4-23	6.0	9.5	NAF	OI	C	PM	mpu	mpu	7/14/12
A4-24	10.1	10.7	NAF	YI, OD	C	AM	mpu	mpu	7/15/12
A4-25	7.9	10.2	hole in abdomen	YI, OD	C	AM	mpu	mpu	7/17/12
A4-26	7.2	9.7	hole in abdomen	YI, OD	C	AM	mpu	mpu	7/17/12
A4-27	6.7	9.4	NAF	YI, OD	C	AM	mpu	mpu	7/17/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

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## Mortality observations recording form

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A5-1	4.9	8.8	NAF	OI	C	PM	mpw	mpw	6/26/12
A5-2	3.2	7.6	NAF	OI	C	PM	mpw	mpw	6/26/12
A5-3	4.0	7.9	NAF	OI	C	AM	mpw	mpw	6/28/12
A5-4	4.2	8.0	NAF	OI	C	AM	mpw	mpw	6/28/12
A5-5	3.4	7.0	NAF	OI	C	AM	mpw	mpw	6/28/12
A5-6	3.2	7.6	NAF	NR	—	AM	mpw	mpw	6/28/12
A5-7	1.7	5.7	bites on tail	NR	—	AM	mpw	mpw	6/28/12
A5-8	3.5	7.5	NAF	NR	—	AM	mpw	mpw	6/28/12
A5-9	4.2	8.1	NAF	L gill arch 2 - NAF Tail - NAF scale scrape L side - NAF	M	AM	mpw	mpw	6/29/12
A5-10	5.2	8.3	NAF	L gill arch 1 - NAF Tail - NAF scale scrape left side - NAF	M	AM	mpw	mpw	6/29/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A5-11	5.2	9.0	NAF	NR	—	AM	MPW	MPW	6/27/12
A5-12	3.9	7.4	NAF	NR	—	AM	MPW	MPW	6/29/12
A5-13	5.4	8.6	NAF	NR	—	AM	MPW	MPW	6/29/12
A5-14	5.2	8.5	NAF	NR	—	AM	MPW	MPW	6/29/12
A5-15	4.5	8.6	NAF	NR	—	PM	MPW	MPW	6/29/12
A5-16	6.5	9.1	NAF	NR	—	AM	MPW	MPW	6/30/12
A5-17	4.9	8.3	NAF	NR	—	AM	MPW	MPW	6/30/12
A5-18	4.6	7.9	hole in belly	NR	—	AM	MPW	MPW	7/1/12
A5-19	6.6	9.4	cloudy eyes	OD	C	AM	MPW	MPW	7/3/12
A5-20	8.5	10.2	NAF	YI, OD	C	AM	MPW	MPW	7/14/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

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**Mortality observations recording form**

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
① <del>A5-31</del>	10.7	11.0	NAF	OI	C	AM	MPW	MPW	7/16/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① Written incorrectly, suppose to be A5-21 7/24/12 MPW

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
AG-1	4.6	8.1	Bite mark	OD	C	AM	mpw	mpw	6/26/12
① <del>AG-2</del>	2.1	6.7	NAF	OD	C	AM	mpw	mpw	6/27/12
AG-3	4.1	8.9	NAF	L gill arch - 2: NAF Tail: NAF left side scale scrape NAF	M	AM	mpw	mpw	6/28/12
AG-4	1.6	5.9	NAF	OI	C	AM	mpw	mpw	7/2/12
AG-5	1.8	7.0	bites taken from tail, NF very thin	OD	C	AM	mpw	mpw	7/3/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① written incorrectly: AG-2 mpw 6/27/12



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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A7-1	5.5	8.8	NAF	OD	C	AM	mpw	mpw	6/27/12
A7-2	4.7	8.4	NAF	OI	C	AM	mpw	mpw	6/29/12
A7-3	5.3	8.5	NAF	OI	C	AM	mpw	mpw	6/29/12
A7-4	5.3	8.9	NAF	L gill arch 1 - NAF Tail - NAF scale scrape L. side - NAF	M	AM	mpw	mpw	6/29/12
A7-5	3.1	7.2	NAF	OI	C	AM	mpw	mpw	6/30/12
A7-6	6.4	9.2	NAF	OI	C	PM	mpw	mpw	6/30/12
A7-7	7.5	9.5	NAF	L gill arch 1 - NAF tail - NAF scale scrape - NAF	M	AM	mpw	mpw	7/1/12
A7-8	3.3	7.8	NAF	NR	-	AM	mpw	mpw	7/1/12
A7-9	4.8	8.3	NAF	NR	-	AM	mpw	mpw	7/1/12
A7-10	5.9	9.4	NAF	OI	C	AM	mpw	mpw	7/4/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

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**Mortality observations recording form**

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A7-11	4.5	8.0	pale yellow belly hole in belly	OD	C	AM	mpw	mpw	7/10/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

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## Mortality observations recording form

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
AS-1	1.7	5.7	NAF	left gill arch 1 - NAF dorsal and pec fins - NAF scale scrape - NAF	M	PM	mpw	mpw	6/28/12
AS-2	5.4	8.6	NAF	<del>NT</del> OI <sup>①</sup>	C	AM	mpw	mpw	7/6/12
AS-3	8.0	10.0	NAF	OI	C	AM	mpw	mpw	7/7/12
AS-4	6.9	9.3	NAF	OI	C	AM	mpw	mpw	7/7/12
AS-5	4.9	8.3	NAF	OI	C	AM	mpw	mpw	7/7/12
AS-6	4.5	8.4	NAF	OD	C	PM	mpw	mpw	7/7/12
AS-7	6.4	9.2	NAF	left gill arch 1 - NAF dorsal fin and tail - NAF scale scrape (L) - NAF	M	AM	mpw	mpw	7/8/12
AS-8	7.4	9.5	NAF	left gill arch 1 - NAF tail - NAF scale scrape (L) - NAF	M	AM	mpw	mpw	7/8/12
AS-9	7.2	9.3	NAF	NR	-	AM	mpw	mpw	7/8/12
AS-10	9.0	10.3	NAF	NR	-	AM	mpw	mpw	7/8/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① written in correctly 7/6/12 mpw

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**Mortality observations recording form**

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A8-11	7.5	9.8	NAF	NR	-	AM	mpw	mpw	7/8/12
A8-12	7.5	9.6	NAF	NR	-	AM	mpw	mpw	7/8/12
A8-13	5.4	9.1	NAF	NR	-	AM	mpw	mpw	7/8/12
A8-14	7.0	9.7	NAF	NR	-	AM	mpw	mpw	7/8/12
A8-15	5.7	8.5	cloudy eyes	NR	-	AM	mpw	mpw	7/8/12
A8-16	6.1	8.7	NAF	NR	-	AM	mpw	mpw	7/8/12
A8-17	6.0	9.2	NAF	NR	-	AM	mpw	mpw	7/8/12
A8-18	6.2	9.0	cloudy eyes	NR	-	AM	mpw	mpw	7/8/12
A8-19	7.0	9.9	NAF	NR	-	PM	mpw	mpw	7/8/12
A8-20	6.5	9.4	NAF	NR	-	PM	mpw	mpw	7/8/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A8-21	8.4	10.1	NAF	OD	C	AM	mpw	mpw	7/9/12
A8-22	6.2	9.6	NAF	OI	C	AM	mpw	mpw	7/9/12
A8-23	7.4	9.7	NAF	OI	C	AM	mpw	mpw	7/9/12
A8-24	7.8	9.8	yellow fluid coming out hole in belly, cloudy eyes	OD	C	AM	mpw	mpw	7/9/12
A8-25	5.5	9.9	NAF	OD	C	AM	mpw	mpw	7/9/12
A8-26	5.2	8.5	NAF	NR	-	AM	mpw	mpw	7/9/12
A8-27	7.5	9.5	NAF	NR	-	AM	mpw	mpw	7/9/12
A8-28	4.7	8.4	pale yellow belly hole behind right pectoral fin	NR	-	AM	mpw	mpw	7/9/12
A8-29	7.5	10.0	NAF	icd gill arch 1 - NAF dorsal fin - NAF L-side scale scrape - NAF	M	AM	mpw	mpw	7/9/12
A8-30	8.1	9.8	soft abdomen	NR	-	AM	mpw	mpw	7/10/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

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Mortality observations recording form

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
AB-31	7.5	9.7	soft abdomen	NR	-	AM	mpw	mpw	7/10/12
AB-32	<del>8.0</del> <sup>7.0</sup> ①	9.5	NAF	left arch 1 - NAF tail and dorsal fin - NAF L-side scale scrape - NAF	M	AM	mpw	mpw	7/11/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① wrong weight written 7/11/12 mpw

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A9-1	<del>2.5</del> <sup>① mfw</sup> 7.2	<sup>① mfw</sup> 7.2	NAF	OI	C	AM	MPW	MPW	6/26/12
A9-2	4.9	8.7	NAF	OI	C	AM	MPW	MPW	6/26/12
A9-3	4.9	8.4	NAF	OI	C	AM	MPW	MPW	6/26/12
A9-4	3.8	7.7	NAF	NR	—	AM	MPW	MPW	6/26/12
A9-5	2.9	7.4	NAF	NR	—	AM	MPW	MPW	6/26/12
A9-6	4.0	8.1	NAF	NR	—	AM	MPW	MPW	6/26/12
A9-7	3.7	7.9	NAF	NR	—	AM	MPW	MPW	6/26/12
A9-8	6.3	9.4	NAF	OI	C	AM	MPW	MPW	6/27/12
A9-9	6.3	9.2	Hole in belly	OD	C	AM	MPW	MPW	6/27/12
A9-10	4.6	8.5	NAF	<sup>① gill scrape</sup> <sup>② L gill arch 1 - NAF</sup> <sup>gill tissue rotted</sup> Tail - NAF Scale scrape - NAF	M	AM	MPW	MPW	6/27/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① wrong number: A9-1 weight: 4.1 length: 8.0 MPW 6/26/12

② written incorrectly MPW 6/27/12



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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
A9-11	4.5	8.5	NAF	NR	—	AM	mpw	mpw	6/27/12
A9-12	3.9	8.0	NAF	NR	—	PM	mpw	mpw	6/28/12
A9-13	3.8	7.9	NAF	NR	←	AM	mpw	mpw	6/29/12
A9-14	4.2	8.2	NAF	Left gill arch - too deteriorated to see anything Tail - NAF Scale scrape & side - NAF	M	AM	mpw	mpw	6/29/12
A9-15	2.5	7.0	NAF	NR	—	PM	mpw	mpw	6/30/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B1-1	2.8	7.2	NAF	L. gill arch 1 - NAF dorsal fin and tail - NAF scale scrape R-side - NAF	M	AM	mpw	mpw	6/20/12
B1-2	4.7	8.5	NAF	OI	C	AM	mpw	mpw	6/30/12
B1-3	2.1	6.6	hole in belly	OD	C	AM	mpw	mpw	7/1/12
B1-4	2.9	7.5	NAF	L. gill arch 1 - NAF Tail - NAF L. side scale scrape - NAF	M	PM	mpw	mpw	7/2/12
B1-5	4.3	7.9	NAF	OD	C	AM	mpw	mpw	7/3/12
B1-6	5.4	9.1	NAF	OI	C	PM	mpw	mpw	7/3/12
B1-7	5.0	8.5	NAF	OI	C	PM	mpw	mpw	7/3/12
B1-8	5.4	9.2	NAF	OI	C	PM	mpw	mpw	7/4/12
B1-9	6.4	9.6	NAF	OI	C	PM	mpw	mpw	7/4/12
B1-10	2.8	7.6	NAF	NR	-	PM	mpw	mpw	7/4/12


NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

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Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B1-11	5.7	9.4	NAF	NR	-	PM	MPW	MPW	7/4/12
B1-12	4.2	8.3	NAF	NR	-	PM	MPW	MPW	7/4/12
B1-13	6.6	10.0	NAF	NR	-	PM	MPW	MPW	7/4/12
B1-14	5.2	8.9	NAF	NR	-	PM	MPW	MPW	7/4/12
B1-15	3.9	8.3	NAF	NR	-	PM	MPW	MPW	7/4/12
B1-16	4.8	8.9	NAF	NR	-	PM	MPW	MPW	7/4/12
B1-17	5.1	8.9	NAF	NR	-	PM	MPW	MPW	7/4/12
B1-18	3.9	8.0	NAF	NR	<del>PM</del> <sup>⓪</sup>	PM	MPW	MPW	7/4/12
B1-19	7.3	10.0	NAF	NR	-	PM	MPW	MPW	7/4/12
B1-20	5.4	9.3	NAF	NR	-	PM	MPW	MPW	7/4/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

⓪ written in wrong box MPW 7/4/12

AEH-09-MAS-02

**Mortality observations recording form**

Tank \_\_\_\_\_

Approved: 

Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B1-21	4.7	8.6	NAF	NR	—	PM	mpw	mpw	7/4/12
B1-22	5.1	8.7	NAF	NR	M	PM	mpw	mpw	7/4/12
B1-23	3.6	7.6	NAF	OI	C	AM	mpw	mpw	7/6/12
B1-24	5.3	8.1	NAF	OD	C	AM	mpw	mpw	7/6/12
B1-25	3.9	7.9	pale yellow belly hole in belly	NR	—	AM	mpw	mpw	7/6/12
B1-26	5.0	8.4	thin	NR	—	AM	mpw	mpw	7/6/12
B1-27	4.7	8.4	NAF	NR	—	AM	mpw	mpw	7/6/12
B1-28	8.5	8.7	NAF	NR	—	AM	mpw	mpw	7/6/12
B1-23	3.2	7.2	NAF	NR	—	PM	mpw	mpw	7/7/12
B1-24	7.6	9.9	NAF	NR	—	AM	mpw	mpw	7/8/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① written in wrong tank. Suppose to be B5 not B1. Rewritten in B5 7/6/12 MPW

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: \_\_\_\_\_



Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B1-25	7.5	9.7	NAF	NR	-	AM	mpw	mpw	7/8/12
B1-26	4.3	8.3	NAF	OI	C	AM	mpw	mpw	7/9/12
B1-27	7.3	9.6	thin, cloudy eyes	OD	C	AM	mpw	mpw	7/9/12
B1-28	5.0	8.8	NAF	OI	C	AM	mpw	mpw	7/9/12
B1-29	5.2	8.9	NAF	OI	C	PM	mpw	mpw	7/9/12
B1-30	4.1	8.0	NAF	OI	C	AM	mpw	mpw	7/10/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

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Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B2-1	4.7	8.0	NAF	OD	C	AM	mpw	mpw	6/26/12
B2-2	5.3	8.5	cloudy eyes	OD	C	AM	mpw	mpw	6/26/12
B2-3	3.3	7.4	NAF	OI	C	AM	mpw	mpw	6/26/12
B2-4	4.7	8.3	NAF	NR	—	AM	mpw	mpw	6/26/12
B2-5	6.3	9.5	NAF	NR	—	AM	mpw	mpw	6/26/12
B2-6	3.9	7.5	NAF	NR	—	AM	mpw	mpw	6/26/12
B2-7	4.8	8.7	NAF	NR	—	PM	mpw	mpw	6/26/12
B2-8	3.8	7.9	NAF	OI	C	AM	mpw	mpw	6/27/12
B2-9	4.3	8.1	NAF	OI	C	AM	mpw	mpw	6/27/12
B2-10	4.4	8.2	NAF	L gill arch 2 - NAF Tail - NAF Scale scrape (L-side) NAF	M	AM	mpw	mpw	6/27/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

AEH-09-MAS-02

**Mortality observations recording form**

Tank \_\_\_\_\_

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Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B2-11	4.8	8.4	NAF	L. gill arch 2 - NAF Tail: NAF scale scrape left side: NAF	M	AM	MPW	MPW	6/28/12
B2-12	3.4	7.0	YA	YI OD	C	AM	MPW	MPW	7/12/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)



AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B3-1	3.9	7.7	NAF	OI	C	AM	mpw	mpw	7/2/12
B3-2	4.9	8.5	NAF	OI	C	AM	mpw	mpw	7/7/12
B3-3	4.4	8.3	NAF	OD	C	AM	mpw	mpw	7/7/12
B3-4	10.3	11.0	NAF	OI	C	AM	mpw	mpw	7/13/12
B3-5	8.3	10.3	NAF	OI	C	AM	mpw	mpw	7/14/12
B3-6	11.3	11.2	NAF	OI	C	AM	mpw	mpw	7/17/12
B3-7	7.0	9.7	NAF	OI	C	AM	mpw	mpw	7/18/12
B3-8	7.6	9.9	NAF	OD	C	AM	mpw	mpw	7/18/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

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Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B4-1	4.1	8.1	NAF	OI	C	AM	MPW	MPW	6/28/12
B4-2	3.6	8.0	NAF	L.gill arch - NAF Tail - NAF scale scrape NAF	M	AM	MPW	MPW	6/28/12
B4-3	6.4	9.4	NAF	OI	C	AM	MPW	MPW	7/8/12
B4-4	6.2	9.1	NAF	OI	C	AM	MPW	MPW	7/8/12
B4-5	8.0	9.7	NAF	OI	C	AM	MPW	MPW	7/8/12
B4-6	6.0	8.9	NAF	OI	C	AM	MPW	MPW	7/8/12
B4-7	6.5	9.3	NAF	OI	C	PM	MPW	MPW	7/8/12
B4-8	7.4	10.1	NAF	gill arch 1 (L) - NAF Tail - NAF scale scrape (L) - NAF	M	PM	MPW	MPW	7/8/12
B4-9	7.7	10.1	NAF	gill arch 2 (L) - NAF Tail - NAF scale scrape NAF	M	PM	MPW	MPW	7/8/12
B4-10	5.3	8.7	NAF	NR	-	PM	MPW	MPW	7/8/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

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Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
<del>B4-21</del> B4-11	6.2	9.1	NAF	OD	C	AM	MPW	MPW	7/9/12
<del>B4-22</del> B4-12	10.0	10.7	pale yellow spot on belly	<del>OI</del> <sup>①</sup> OD	C	AM	MPW	MPW	7/9/12
<del>B4-23</del> B4-13	9.1	10.2	NAF	OI	C	AM	MPW	MPW	7/9/12
<del>B4-24</del> B4-14	6.2	9.6	NAF	OD	C	AM	MPW	MPW	7/9/12
<del>B4-25</del> B4-15	6.9	9.3	cloudy eyes hole behind Right pectoral fin	OD	C	AM	MPW	MPW	7/9/12
<del>B4-26</del> B4-16	7.0	9.4	NAF	NR	-	AM	MPW	MPW	7/9/12
<del>B4-27</del> B4-17	5.7	8.7	cloudy eyes	NR	-	AM	MPW	MPW	7/9/12
<del>B4-28</del> B4-18	7.8	9.9	NAF	NR	-	AM	MPW	MPW	7/9/12
<del>B4-29</del> B4-19	7.4	9.4	NAF	NR	-	AM	MPW	MPW	7/9/12
<del>B4-30</del> B4-20	7.6	9.5	cloudy eyes	NR	-	AM	MPW	MPW	7/9/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① written in wrong box 7/9/12 MPW

② written with incorrect tank numbers 7/24/12

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: \_\_\_\_\_

Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
<del>B4-31</del> B4-21	5.1	8.6	NAF	NR	—	AM	mpw	mpw	7/9/12
<del>B4-32</del> B4-22	5.9	8.7	NAF	NR	—	AM	mpw	mpw	7/9/12
<del>B4-33</del> B4-23	9.0	10.5	NAF	NR	—	AM	mpw	mpw	7/9/12
<del>B4-34</del> B4-24	5.0	8.5	NAF	NR	—	AM	mpw	mpw	7/9/12
<del>B4-35</del> B4-25	6.3	9.1	cloudy eyes yellow fluid draining from hole in belly	NR	—	AM	mpw	mpw	7/9/12
<del>B4-36</del> B4-26	7.5	9.7	NAF	NR	—	AM	mpw	mpw	7/9/12
B7-37	8.2	10.0	NAF	_____	M	_____	_____	_____	_____
B4-38	5.0	9.9	NAF	_____	M	_____	_____	_____	_____
<del>B4-37</del> B4-27	7.6	9.8	NAF	L gill arch 1 - NAF dorsal fin - NAF R-side scale scrape - NAF	M	AM	mpw	mpw	7/9/12
<del>B4-38</del> B4-28	4.9	8.6	NAF	L gill arch 1 - NAF dorsal fin - NAF R-side scale scrape - NAF	M	AM	mpw	mpw	7/9/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① wrong tank number: Actually B7 7/9/12 mpw

② numbered incorrectly 7/24/12 mpw

AEH-09-MAS-02

**Mortality observations recording form**

Tank \_\_\_\_\_

Approved: \_\_\_\_\_



Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
<del>84-39</del> 84-29	8.0	10.0	NAF	NR	-	PM	MPW	MPW	7/9/12
<del>84-40</del> 84-30	8.3	10.0	NAF	NR	-	AM	MPW	MPW	7/10/12
<del>84-41</del> 84-31	6.7	9.3	hole in belly	NR	-	AM	MPW	MPW	7/10/12
<del>84-42</del> 84-32	9.8	10.5	NAF	NR	-	AM	MPW	MPW	7/11/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① numbered incorrectly 7/24/12 MPW

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: \_\_\_\_\_

Lab data book/page(s): \_\_\_\_\_

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Reviewed: \_\_\_\_\_

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Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B5-1	6.7	9.3	NAF	OD	C	AM	MPW	MPW	7/1/12
B5-2	1.8	6.4	NAF	OI	C	AM	MPW	MPW	7/2/12
B5-3	6.9	9.7	NAF	OI	C	AM	MPW	MPW	7/3/12
B5-4	9.3	10.2	<sup>①</sup> <del>NAF</del> Pale yellow belly	OD	C	AM	MPW	MPW	7/4/12
B5-5	5.0	8.0	NAF	OD	C	AM	MPW	MPW	7/4/12
B5-6	5.0	8.7	NAF	OI	C	AM	MPW	MPW	7/7/12
B5-7	3.6	7.6	NAF	OI	C	AM	MPW	MPW	7/6/12
B5-8	5.3	8.1	NAF	OD	C	AM	MPW	MPW	7/6/12
B5-9	3.9	7.9	Pale yellow belly hole in belly	NR	-	AM	MPW	MPW	7/6/12
B5-10	5.0	8.4	this	NR	-	AM	MPW	MPW	7/6/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① not actual findings. wrong box. MPW 7/4/12



AEH-09-MAS-02

**Mortality observations recording form**

Tank \_\_\_\_\_

Approved: \_\_\_\_\_



Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B5-11	4.7	8.4	NAF	NR	—	AM	MPU	MPU	7/6/12
B5-12	8.5	8.8	NAF	NR	—	AM	MPU	MPU	7/6/12
B5-13	8.9	10.2	NAF	OI	C	AM	MPU	MPU	7/14/12
B5-14	6.2	9.5	NAF	OI	C	AM	MPU	MPU	7/14/12
B5-15	7.5	9.7	NAF	OI	C	AM	MPU	MPU	7/14/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: 

Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B6-1	5.3	8.6	NAF	OD	C	AM	MPW	MPW	6/26/12
B6-2	4.1	8.3	NAF	OD	C	AM	MPW	MPW	6/26/12
B6-3	4.0	8.0	NAF	OD	C	AM	MPW	MPW	6/26/12
B6-4	4.9	8.5	NAF	NR	—	AM	MPW	MPW	6/26/12
B6-5	3.8	7.9	NAF	NR	—	AM	MPW	MPW	6/26/12
B6-6	5.8	8.9	NAF	NR	—	AM	MPW	MPW	6/26/12
B6-7	5.0	8.6	NAF	NR	—	AM	MPW	MPW	6/26/12
B6-8	2.5	7.9	NAF	OI	C	AM	MPW	MPW	6/27/12
B6-9	4.6	8.4	NAF	OI	C	AM	MPW	MPW	6/27/12
B6-10	3.5	7.9	NAF	L. gill arch - I - NAF Tail - NAF scale scrape (L-side) - NAF	M	AM	MPW	MPW	6/27/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)



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## Mortality observations recording form

Tank \_\_\_\_\_

Approved: 

Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B6-11	4.3	8.4	NAF	left gill arch - 2 - NAF tail and dorsal fin - NAF scale scrape - NAF	M	PM	mpw	mpw	6/27/12
B6-12	5.2	8.4	NAF	NR	—	AM	mpw	mpw	6/28/12
B6-13	3.9	8.1	NAF	NR	—	AM	mpw	mpw	6/28/12
B6-14	3.9	8.2	hole in belly A <sup>0</sup>	NR	<del>AM</del> <sup>2</sup>	AM	mpw	mpw	6/29/12
B6-15	4.0	7.9	pale yellow belly	OI	C	AM	mpw	mpw	7/4/12
B6-16	2.3	6.9	yellow belly cloudy eyes	NR	—	AM	mpw	mpw	7/8/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① didn't mean to write "N" 6/29/12 mpw


② not doing micro on this fish mpw 6/29/12

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## Mortality observations recording form

Tank \_\_\_\_\_

Approved: \_\_\_\_\_



Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B7-1	4.6	9.7	NAF	OI	C	AM	mpw	mpw	7/5/12
B7-2	3.9	7.7	NAF	OD	C	AM	mpw	mpw	7/5/12
B7-3	4.9	8.7	NAF	OI	C	AM	mpw	mpw	7/6/12
B7-4	6.3	9.0	NAF	OI	C	AM	mpw	mpw	7/8/12
B7-5	7.6	9.6	cloudy eyes pale yellow belly	OD	C	AM	mpw	mpw	7/8/12
B7-6	8.2	10	NAF	OI	① AAC	AM	mpw	mpw	7/9/12
B7-7	5.0	9.9	NAF	OI	① AAC	AM	mpw	mpw	7/9/12
B7-8	7.6	10.0	NAF	OI	C	AM	mpw	mpw	7/10/12
B7-9	6.7	9.6	NAF	L gill arch 1 - NAF dorsal fin - NAF scale scrape (L-side) - NAF	M	PM	mpw	mpw	7/10/12
B7-10	8.5	10.2	NAF	L gill arch 1 - NAF tail NAF scale scrape (L-side) - NAF	M	AM	mpw	mpw	7/11/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① cultured instead of micro 7/9/12 mpw

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: 

Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B7-11	5.1	8.6	hole near right pectoral fin	NR	-	AM	MPW	MPW	7/14/12
B7-12	10.6	11.2	SB	L gill arch 2 - possible column dorsal fin - NAF Scale scrape L side - NAF	M	AM	MPW	MPW	7/14/12
B7-13	6.3	9.6	SB	NR	-	AM	MPW	MPW	7/14/12
B7-14	9.1	10.5	NAF	OD	C	AM	MPW	MPW	7/15/12
B7-15	7.8	9.9	NAF	<del>NR</del> <sup>①</sup> OD, YI	C	AM	MPW	MPW	7/15/12
B7-16	7.0	9.6	NAF	OI	C	PM	MPW	MPW	7/16/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① needed to be cultured 7/15/12 MPW

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: 

Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B8-1	4.8	8.7	NAF	OI	C	AM	MPW	MPW	6/29/12
B8-2	2.5	6.8	NAF	OI	C	PM	MPW	MPW	7/1/12
B8-3	7.7	10.0	NAF	OI	C	AM	MPW	MPW	7/3/12
B8-4	4.1	8.2	NAF	OI	C	PM	MPW	MPW	7/3/12
B8-5	7.3	9.1	NAF	OI	C	AM	MPW	MPW	7/12/12
B8-6	5.0	8.7	NAF	OI	C	AM	MPW	MPW	7/13/12
B8-7	5.4	9.3	NAF	L gill arch 1 - NAF dorsal fin and tail - NAF L-side scale scrape - NAF	M	AM	MPW	MPW	<del>7/13/12</del> 7/13/12
B8-8	8.0	10.2	NAF	L gill arch 1 - NAF tail - NAF L-side scale scrape - NAF	M	PM	MPW	MPW	7/13/12
B8-9	6.8	9.5	NAF	NR	-	AM	MPW	MPW	7/13/12
B8-10	9.6	10.9	SB	OI	C	AM	MPW	MPW	7/14/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① illegible

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: \_\_\_\_\_



Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
BB-11	11.0	11.4	NAF	O I	C	AM	MPW	MPW	7/14/12
BB-12	7.7	10.0	SB	O I	C	AM	MPW	MPW	7/14/12
BB-13	10.0	10.5	cloudy eyes	NR	—	AM	MPW	MPW	7/14/12
BB-14	6.5	8.9	cloudy eyes	NR	—	AM	MPW	MPW	7/14/12
BB-15	6.4	9.5	NAF	NR	—	AM	MPW	MPW	7/14/12
BB-16	7.4	9.7	NAF	NR	—	AM	MPW	MPW	7/14/12
BB-17	6.8	9.7	pale yellow belly	NR	—	AM	MPW	MPW	7/14/12
BB-18	7.8	9.7	NAF	NR	—	AM	MPW	MPW	7/14/12
BB-19	6.1	9.4	NAF	NR	—	AM	MPW	MPW	7/14/12
BB-20	6.9	9.8	NAF	NR	—	AM	MPW	MPW	7/14/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: \_\_\_\_\_



Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B8-21	8.2	10.4	S.B	NR	-	AM	mpw	mpw	7/14/12
B8-22	11.3	11.4	NAF	NR	-	AM	mpw	mpw	7/14/12
B8-23	10.5	11.1	NAF	NR	-	AM	mpw	mpw	7/14/12
B8-24	5.7	9.0	NAF	NR	-	AM	mpw	mpw	7/14/12
B8-25	8.2	10.3	NAF	NR	-	AM	mpw	mpw	7/14/12
B8-26	7.2	10.0	SB	NR	-	PM	mpw	mpw	7/14/12
B8-27	5.6	9.4	NAF	NR	-	PM	mpw	mpw	7/14/12
B8-28	6.3	9.7	NAF	NR	-	PM	mpw	mpw	7/14/12
B8-29	11.1	11.5	NAF	NR	-	PM	mpw	mpw	7/14/12
B8-30	8.9	10.3	NAF	NR	-	AM	mpw	mpw	7/15/12

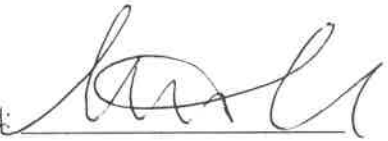
NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: \_\_\_\_\_



Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B8-31	9.9	10.7	NAF	NR	-	AM	MPW	MPW	7/15/12
B8-32	8.1	10.1	NAF	NR	-	AM	MPW	MPW	7/15/12
B8-33	13.8	12.0	yellow spot on abdomen	NR	-	AM	MPW	MPW	7/15/12
B8-34	10.5	10.8	NAF	NR	-	AM	MPW	MPW	7/15/12
B8-35	7.5	10.0	NAF	NR	-	AM	MPW	MPW	7/15/12
B8-36	7.4	10.0	NAF	NR	-	AM	MPW	MPW	7/15/12
B8-37	<del>10.7</del> 7.3	9.7	NAF	YI, OI	C	AM	MPW	MPW	7/16/12
B8-38	11.8	11.1	pale yellow belly	YI, OD	C	AM	MPW	MPW	7/17/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

① WAS NOT LABELED - 7/16/12 MPW



AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: 

Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B9-1	2.5	7.2	Bite anterior end	OD, YI	C	AM	mpw	mpw	6/26/12
B9-2	3.8	7.8	NAF	OI	C	PM	mpw	mpw	7/3/12
B9-3	5.3	8.7	NAF	OI	C	AM	mpw	mpw	7/9/12
B9-4	6.4	9.4	NAF	OI	C	AM	mpw	mpw	7/10/12
B9-5	8.2	9.9	NAF	OI YI	C	AM	mpw	mpw	7/10/12
B9-6	9.5	10.4	NAF	OD YI	C	AM	mpw	mpw	7/10/12
B9-7	7.4	10.0	NAF	OI	C	AM	mpw	mpw	7/10/12
B9-8	9.9	10.4	light yellow belly cloudy eyes yellow liquid coming out of gills	L gill arch 2 - NAF tail - NAF scale scrape (L-side) - NAF	M	AM	mpw	mpw	7/11/12
B9-9	8.7	9.9	NAF	L gill arch 2 - NAF tail - NAF scale scrape (L-side) - NAF	M	AM	mpw	mpw	7/11/12
B9-10	8.8	10.0	NAF	NR	-	AM	mpw	mpw	7/11/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)



AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: \_\_\_\_\_



Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B9-11	4.5	8.1	NAF	NR	-	AM	MPW	MPW	7/11/12
B9-12	6.8	9.4	NAF	NR	-	AM	MPW	MPW	7/11/12
B9-13	5.8	8.7	NAF	NR	-	AM	MPW	MPW	7/11/12
B9-14	7.2	9.7	NAF	NR	-	AM	MPW	MPW	7/11/12
B9-15	8.2	9.9	light yellow belly cloudy eyes	NR	-	AM	MPW	MPW	7/11/12
B9-16	6.5	9.2	light yellow belly A <sub>1</sub> ⊙	NR	-	AM	MPW	MPW	7/11/12
B9-17	6.1	9.8	NAF	NR	-	AM	MPW	MPW	7/11/12
B9-18	11.9	11.3	NAF	NR	-	AM	MPW	MPW	7/11/12
B9-19	6.5	9.1	NAF	NR	-	AM	MPW	MPW	7/10/12
B9-20	5.7	9.2	NAF	NR	-	AM	MPW	MPW	7/11/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

⊙ mistakenly wrote N 7/11/12 MPW

AEH-09-MAS-02

## Mortality observations recording form

Tank \_\_\_\_\_

Approved: 

Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_ of \_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B9-21	6.4	9.3	NAF	NR	-	AM	MPW	MPW	7/13/12
B9-22	9.2	10.2	NAF	NR	-	AM	MPW	MPW	7/13/12
B9-23	8.0	9.4	NAF	NR	-	AM	MPW	MPW	7/14/12
B9-24	8.8	10.0	cloudy eyes	NR	-	AM	MPW	MPW	7/14/12
B9-25	7.8	9.9	NAF	NR	-	AM	MPW	MPW	7/14/12
B9-26	6.7	10.2	NAF	NR	-	AM	MPW	MPW	7/14/12
0 B9-27 <del>B9-26</del>	7.6	10.1	NAF	NR	-	AM	MPW	MPW	7/14/12
B9-28	10.8	11.0	SB	L gill arch 2 - NAF tail, dorsal fin - NAF scale scrape - NAF	M	PM	MPW	MPW	7/14/12
0 B9-29 <del>B9-27</del>	11.6	11.6	NAF	NR	-	PM	MPW	MPW	7/14/12
B9-30	8.9	10.2	NAF	NR	-	AM	MPW	MPW	7/15/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

0 mis numbered 7/14/12 MPW

AEH-09-MAS-02

**Mortality observations recording form**

Tank \_\_\_\_\_

Approved: 

Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Proofed: \_\_\_\_\_ Reviewed: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Fish ID	Wt (g)	Length (cm)	External observations	Internal observations	Cultured or Micro*	AM PM	Obs	Rec	Date
B9-31	9.4	10.4	pale yellow belly	NR	—	AM	MA	MA	7/15/12
B9-32	4.4	8.0	NAF	YI, OD	C	AM	MA	MA	7/17/12

NAF = no abnormal findings GH = gut hemorrhaging GIH = gill hemorrhages NF = necrotic fins SB = saddleback OD = organs deteriorated  
 OI = organs intact YA = yellow abdomen YI = yellow internally NR = not required (\* Write "C" if cultured, "M" if micro samples are done)

Surviving fish recording form Trial number: \_\_\_\_\_

Record the number live fish in each tank hand counted from each tank at the end of the post-treatment observation period.

Lab data book/page(s): \_\_\_\_\_ File folder: \_\_\_\_\_ Page \_\_\_ of \_\_\_

Tank #	Number of live fish	Tank #	Number of live fish
A-1	42	B-1	22
A-2	31	B-2	36
A-3	22	B-3	44
A-4	33	B-4	25
A-5	30	B-5	46 45 ①
A-6	48	B-6	36
A-7	45	B-7	30
A-8	23	B-8	17
A-9	38	B-9	32
Data Collector	mpw	Data Collector	mpw
Time	845	Time	900
Date	7/18/12	Date	7/18/12

Notes: 312 287

Beginning tank capacity  
 A1-52 B1-52  
 A2-56 B2-48  
 A3-52 B3-52  
 A4-60 B4-57  
 A5-51 B5-60  
 A6-53 B6-52  
 A7-56 B7-46  
 A8-55 B8-55  
 A9-53 B9-64

Total = 974  
 7/24/12 mpw


599

① one from B4 jumped in to B5  
 7/18/12 mpw

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.  
 Lab data book/page(s): 2/5-13 File folder: 116 Page 1 of 23  
 Proofed: 25 NOV 14 SMS Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	0	0	B-1	0	0
A-2	7 <sup>+1</sup>	0	B-2	6	1
A-3	16 <sup>+2</sup>	0	B-3	0	0
A-4	3	1	B-4	0	0
A-5	0	2	B-5	0	0
A-6	0 <sup>+1</sup>	0	B-6	6 <sup>+1</sup>	0
A-7	0	0	B-7	0	0
A-8	0	0	B-8	0	0
A-9	4 	0	B-9	1	0
Data Collector	MPW/SMS	MPW	Data Collector	MPW/SMS	MPW
Time	0750	12:30	Time	7:50	12:30
Date	6/26/12	6/26/12	Date	6/26/12	6/26/12

Tank counts A1=53  
 A8=53  
 B3=53 26 JUN 12 SMS

Notes: \_\_\_\_\_

+ numbers were found while cleaning tanks 26 JUN 12 SMS  
 ① ~~made a one too fat. Actat: +1~~  
 thought B9 was A9, wrote plus one by accident, not suppose to be there written by Mike Wellens on 26 JUN 12 - SMS 25 NOV 14

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/5-13 File folder: 116 Page 2 of 23

Proofed: 25 JUN 14 SUG Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	2	0		B-1	0	0
A-2	9 + 2	0		B-2	3	0
A-3	7	0		B-3	0	0
A-4	1 + 1	1		B-4	0	0
A-5	0	0		B-5	0	0
A-6	1	0		B-6	3	0
A-7	1	0		B-7	0	0
A-8	0	0		B-8	0	0
A-9	4	0		B-9	0	0
Data Collector	MPW	MPW		Data Collector	MPW	MPW
Time	7:50 am	1:00 pm		Time	7:50	1:00 PM
Date	6/27/12	6/27/12		Date	6/27/12	6/27/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/5-13 File folder: 116 Page 3 of 23

Proofed: 25 NOV 14 gms Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	0	0		B-1	0	0
A-2	3	0		B-2	1	0
A-3	3	0		B-3	0	0
A-4	6	1		B-4	2	0
A-5	6	0		B-5	0	0
A-6	0+1	0		B-6	1+1	0
A-7	0	0		B-7	0	0
A-8	0	1		B-8	0	0
A-9	0	1		B-9	0	0
Data Collector	MPW	MPW		Data Collector	MPW	MPW
Time	7:50	1:30		Time	7:50am	1:30
Date	6/28/12	6/28/12		Date	6/28/12	6/28/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.  
 Lab data book/page(s): 2/5-13 File folder: 116 Page 4 of 23  
 Proofed: 25 NOV 14 SJS Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	1	0	B-1	2 + 1	0
A-2	0	1	B-2	0	0
A-3	1 + 1	0	B-3	0	0
A-4	0 2 + 2 + 1 + 1	0	B-4	0	0
A-5	2 + 3 + 1	1	B-5	0	0
A-6	0	0	B-6	1	0
A-7	1 + 1	0	B-7	0	0
A-8	0	0	B-8	1	0
A-9	2	0	B-9	0	0
Data Collector	MPW	MPW	Data Collector	MPW	MPW
Time	7:50	1:00 PM	Time	7:50	1:00 PM
Date	6/29/12	6/29/12	Date	6/29/12	6/29/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

① wrote A5 in A4 box. 6/29/12 mpw  
 + - additional found 6/29/12 mpw



Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/5-13 File folder: 116 Page 5 of 23

Proofed: 25 NOV 14 815 Reviewed: \_\_\_\_\_

Treatment Start Date: 25 Jun 12 Treatment End Date: 4 Jul 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	1	0		B-1	1	0
A-2	0	0		B-2	0	0
A-3	0	0		B-3	0	0
A-4	0	0		B-4	0	0
A-5	2	0		B-5	0	0
A-6	0	0		B-6	0	0
A-7	1	1		B-7	0	0
A-8	0	0		B-8	0	0
A-9	0	1		B-9	0	0
Data Collector	MPW	MPW		Data Collector	MPW	MPW
Time	7:50	1:30 PM		Time	7:50	1:30 PM
Date	6/30/12	6/30/12		Date	6/30/12	6/30/12

Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/5-13 File folder: 116 Page 6 of 23

Proofed: 25 Nov 11 SMK Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	3	0		B-1	1	0
A-2	1	0		B-2	0	0
A-3	0	0		B-3	0	0
A-4	0	1		B-4	0	0
A-5	1	0		B-5	0+1	0
A-6	0	0		B-6	0	0
A-7	1+2	0		B-7	0	0
A-8	0	0		B-8	0	1
A-9	0	0		B-9	0	0
Data Collector	MPW	MPW		Data Collector	MPW	MPW
Time	8:00 am	1:30		Time	8:00	1:30
Date	7/1/12	7/1/12		Date	7/1/12	7/1/12

Notes: \_\_\_\_\_

+ nos. were found during tank cleaning 10 JUL 12 SMS

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/5-13 File folder: 116 Page 7 of 23

Proofed: <sup>25 NOV 14</sup> ~~25 JUN 12~~ SMS Reviewed: \_\_\_\_\_

<sup>wrote wrong date 25 NOV 14 SMS</sup>  
Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	1	0		B-1	0	1
A-2	0	0		B-2	0	0
A-3	0	0		B-3	1	0
A-4	0	0		B-4	0	0
A-5	0	0		B-5	1	0
A-6	1	0		B-6	0	0
A-7	0	0		B-7	0	0
A-8	0	0		B-8	0	0
A-9	0	0		B-9	0	0
Data Collector	MFW	MFW		Data Collector	MFW	MFW
Time	7:50	1:30		Time	7:50	1:30
Date	7/2/12	7/2/12		Date	7/2/12	7/2/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.  
 Lab data book/page(s): 2/5-13 File folder: 116 Page 8 of 23  
 Proofed: 25 NOV 14 SWS Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	0	1		B-1	1	2
A-2	0	0		B-2	0	0
A-3	0	0		B-3	0	0
A-4	1	0		B-4	0	0
A-5	1	0		B-5	1	0
A-6	1	0		B-6	0	0
A-7	0	0		B-7	0	0
A-8	0	0		B-8	1	1
A-9	0	0		B-9	0	1
Data Collector	MPW	MPW		Data Collector	MPW	MPW
Time	7:50	1:30		Time	7:50	1:30
Date	7/3/12	7/3/12		Date	7/3/12	7/3/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/5-13 File folder: 116 Page 9 of 23

Proofed: 25 NOV 14 SWS Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	1	0		B-1	0	15
A-2	0	0		B-2	0	0
A-3	0	0		B-3	0	0
A-4	0	0		B-4	0	0
A-5	0	0		B-5	2	0
A-6	0	0		B-6	1	0
A-7	1	0		B-7	0	0
A-8	0	0		B-8	0	0
A-9	0	0		B-9	0	0
Data Collector	MPW	MPW		Data Collector	MPW	MPW
Time	7:50	1:30		Time	7:50	1:30
Date	7/4/12	7/4/12		Date	7/4/12	7/4/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.  
 Lab data book/page(s): 2/5-13 File folder: 116 Page 10 of 23  
 Proofed: 25 NOV 14 SJS Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	0	0		B-1	0	0
A-2	0	0		B-2	0	0
A-3	0	0		B-3	0	0
A-4	0	0		B-4	0	0
A-5	0	0		B-5	0	0
A-6	0	0		B-6	0	0
A-7	0	0		B-7	2	0
A-8	0	0		B-8	0	0
A-9	0	0		B-9	0	0
<b>Data Collector</b>	mpw	mpw		<b>Data Collector</b>	mpw	mpw
<b>Time</b>	7:50	1:00		<b>Time</b>	7:50	1:00
<b>Date</b>	7/5/12	7/5/12		<b>Date</b>	7/5/12	7/5/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.  
 Lab data book/page(s): 2/5-13 File folder: 116 Page 11 of 23  
 Proofed: 25 NOV 14 SNS Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	0	0	B-1	0	0
A-2	0	0	B-2	0	0
A-3	0	0	B-3	0	0
A-4	0	0	B-4	0	0
A-5	0	0	B-5	5 + 1	0
A-6	0	0	B-6	0	0
A-7	0	0	B-7	1	0
A-8	1	0	B-8	0	0
A-9	0	0	B-9	0	0
Data Collector	MPW	MPW	Data Collector	MPW	MPW
Time	7:50	12:30	Time	7:50	12:30
Date	7/6/12	7/6/12	Date	7/6/12	7/6/12

Notes: \_\_\_\_\_

"+" additional found while cleaning 7/6/12 MPW

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/5-13 File folder: 116 Page 12 of 23

Proofed: 25 NOV 14 SJS Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)

D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	0	0	B-1	0	1
A-2	0	0	B-2	0	0
A-3	0	0	B-3	2	0
A-4	0	1	B-4	0	0
A-5	0	0	B-5	1	0
A-6	0	0	B-6	0	0
A-7	0	0	B-7	0	0
A-8	3	1	B-8	0	0
A-9	0	0	B-9	0	0
Data Collector	MPW	MPW	Data Collector	MPW	MPW
Time	750	115	Time	750	115
Date	7/7/12	7/7/12	Date	7/7/12	7/7/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/5-13 File folder: 116 Page 13 of 23

Proofed: 25 NOV 14 SWS Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)

D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	0	0	B-1	2	0
A-2	1	0	B-2	0	0
A-3	0	0	B-3	0	0
A-4	0	0	B-4	4	4
A-5	0	0	B-5	0	0
A-6	0	0	B-6	1	0
A-7	0	0	B-7	2	0
A-8	6+6	2	B-8	0	0
A-9	0	0	B-9	0	0
Data Collector	Mpw	MPW	Data Collector	Mpw	Mpw
Time	8:00	1:05 PM	Time	8:00	1:05
Date	7/8/12	7/8/12	Date	7/8/12	7/8/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/5-13 File folder: 116 Page 14 of 23

Proofed: 25 NOV 14 SMS Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	0	0		B-1	3	1
A-2	0	0		B-2	0	0
A-3	0	0		B-3	0	0
A-4	0	0		B-4	16+2	1
A-5	0	0		B-5	0	0
A-6	0	0		B-6	0	0
A-7	0	0		B-7	2	0
A-8	8+1	0		B-8	0	0
A-9	0	0		B-9	1	0
Data Collector	MPW	MPW		Data Collector	MPW	MPW
Time	7:50	1:30		Time	7:50	1:30
Date	7/9/12	7/9/12		Date	7/9/12	7/9/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.  
 Lab data book/page(s): 2/5-13 File folder: 116 Page 15 of 23  
 Proofed: 25 NOV 11 SRS Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	0	0		B-1	1	0
A-2	0	0		B-2	0	0
A-3	0	0		B-3	0	0
A-4	0	0		B-4	2 + 1 <sup>+</sup>	0
A-5	0	0		B-5	0	0
A-6	0	0		B-6	0	0
A-7	1	0		B-7	1	1
A-8	2	0		B-8	0	0
A-9	0	0		B-9	2 + 2	0
Data Collector	mpw	mpw		Data Collector	mpw	mpw
Time	8:00	1:30		Time	8:00	1:30
Date	7/10/12	7/10/12		Date	7/10/12	7/10/12

Notes: \_\_\_\_\_

+ - additional found while cleaning 7/10/12 mpw  
 0 No additional in B4. AM total = 2 (written by Mike Wellens 10 JUL 12 - SRS 26 NOV 11)

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.  
 Lab data book/page(s): 2/5-13 File folder: 116 Page 16 of 23  
 Proofed: 25 NOV 14 SMS Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	0	0		B-1	0	0
A-2	0	0		B-2	0	0
A-3	0	0		B-3	0	0
A-4	0	0		B-4	1	0
A-5	0	0		B-5	0	0
A-6	0	0		B-6	0	0
A-7	0	0		B-7	1	0
A-8	1	0		B-8	0	0
A-9	0	0		B-9	9+3	1
<b>Data Collector</b>	MW	MPW		<b>Data Collector</b>	MW	MPW
<b>Time</b>	8:00	1:30		<b>Time</b>	8:00	<del>7:</del> ① 1:30
<b>Date</b>	7/11/12	7/11/12		<b>Date</b>	7/11/12	7/11/12

Notes: \_\_\_\_\_

+ -additional found while cleaning 7/11/12 MPW  
 ① wrote "7" by mistake 7/11/12 MPW

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/5-13 File folder: 116 Page 17 of 23

Proofed: 25 Nov 14 SWS Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)

D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	0	0	B-1	0	0
A-2	0	0	B-2	1	0
A-3	0	0	B-3	0	0
A-4	0	0	B-4	0	0
A-5	0	0	B-5	0	0
A-6	0	0	B-6	0	0
A-7	0	0	B-7	0	0
A-8	0	0	B-8	1	0
A-9	0	0	B-9	0	0
Data Collector	MPW	MPW	Data Collector	MPW	MPW
Time	8:00	1:15	Time	8:00	1:15
Date	7/12/12	7/12/12	Date	7/12/12	7/12/12

Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/5-13 File folder: 116 Page 18 of 23

Proofed: 25 NOV 14 SMS Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	0	0		B-1	0	0
A-2	0	0		B-2	0	0
A-3	0	0		B-3	1	0
A-4	0	0		B-4	0	0
A-5	0	0		B-5	0	0
A-6	0	0		B-6	0	0
A-7	0	0		B-7	0	0
A-8	0	0		B-8	1+1	2
A-9	0	0		B-9	2	0
Data Collector	MPW	MPW		Data Collector	MPW	MPW
Time	7:50	1:15		Time	7:50	1:15
Date	7/13/12	7/13/12		Date	7/13/12	7/13/12

Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.  
 Lab data book/page(s): 2/5-13 File folder: 116 Page 19 of 23  
 Proofed: 25 NOV 14 SWS Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day -- use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	0	0	B-1	0	0
A-2	0	0	B-2	0	0
A-3	0	0	B-3	1	0
A-4	1	1	B-4	0	0
A-5	1	0	B-5	2+1	0
A-6	0	0	B-6	0	0
A-7	0	0	B-7	1+2	0
A-8	0	0	B-8	10+2+4	4
A-9	0	0	B-9	3+2	2
Data Collector	MPW	MPW	Data Collector	MPW	MPW
Time	800	130	Time	800	130
Date	7/14/12	7/14/12	Date	7/14/12	7/14/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

"+" additional found while cleaning



Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.  
 Lab data book/page(s): 215-13 File folder: 116 Page 20 of 23  
 Proofed: 25 Nov 11 JPK Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 Jul 12 Treatment End Date: 4 Jul 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	0	0	B-1	0	0
A-2	0	0	B-2	0	0
A-3	0	0	B-3	0	0
A-4	0	0	B-4	0	0
A-5	0	0	B-5	0	0
A-6	0	0	B-6	<del>0</del> ①	0
A-7	0	0	B-7	1	1
A-8	0	0	B-8	6 + 1	0
A-9	0	0	B-9	2	0
Data Collector	mpw	mpw	Data Collector	mpw	mpw
Time	800	115	Time	300	115
Date	7/15/12	7/15/12	Date	7/15/12	7/15/12

Notes: \_\_\_\_\_

① meant for B8 7/15/12 mpw  
 + additional found during cleaning

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 215-13 File folder: 116 Page 21 of 23

Proofed: 25 NOV 14 SWS Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, **D21**, D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	0	0	B-1	0	0
A-2	0	0	B-2	0	0
A-3	0	0	B-3	0	0
A-4	0	0	B-4	0	0
A-5	1	0	B-5	0	0
A-6	0	0	B-6	0	0
A-7	0	0	B-7	0	1
A-8	0	0	B-8	1	0
A-9	0	0	B-9	0	0
Data Collector	MPW	MPW	Data Collector	MPW	MPW
Time	8:00	1:45	Time	8:00	1:45
Date	7/16/12	7/16/12	Date	7/16/12	7/16/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.  
 Lab data book/page(s): 2/5-13 File folder: 11b Page 22 of 23  
 Proofed: 25 Nov 14 SJK Reviewed: \_\_\_\_\_  
 Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM		Tank #	AM	PM
A-1	0	0		B-1	0	0
A-2	0	0		B-2	0	0
A-3	0	0		B-3	1	0
A-4	3	0		B-4	0	0
A-5	0	0		B-5	0	0
A-6	0	0		B-6	0	0
A-7	0	0		B-7	0	0
A-8	0	0		B-8	1	0
A-9	0	0		B-9	1	0
Data Collector	MFW	MFW		Data Collector	MFW	MFW
Time	800	120		Time	800	120
Date	7/17/12	7/17/12		Date	7/17/12	7/17/12

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Mortality recording form Trial number: 2

Record number of dead and moribund fish removed from each tank (with time of removal) twice daily in appropriate column.

Lab data book/page(s): 2/5-13 File folder: 116 Page 23 of 23

Proofed: 25 NOV 14 SRS Reviewed: \_\_\_\_\_

Treatment Start Date: 25 JUN 12 Treatment End Date: 4 JUL 12

Trial Day (Circle the trial day – use one sheet per trial day; provide completed sheet to Principal Investigator each day)  
 D0, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23

Tank #	AM	PM	Tank #	AM	PM
A-1	0		B-1	0	
A-2	0		B-2	0	
A-3	0		B-3	2	
A-4	0		B-4	0	
A-5	0		B-5	0	
A-6	0		B-6	0	
A-7	0		B-7	0	
A-8	0		B-8	0	
A-9	0		B-9	0	
Data Collector	MPW		Data Collector	MPW	
Time	7:20		Time	7:20	
Date	7/18/12		Date	7/18/12	

Notes: \_\_\_\_\_  
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