

ORIGINAL

Record of Vertebrate Transfer

Upper Midwest Environmental Sciences Center, La Crosse, WI

Date of transfer: 15 JUN 12

Species: WAE

Lot number: N/A

Number transferred: 1134

Source study number (if not applicable: N/A): N/A

Source tank number (include room number): Spirit Lake Fish Hatchery Tanks 11-20

Destination study number (if not applicable: N/A): AEH

Destination tank number (include room number): A1 → A9, B1 → B9 (63 fish each)

Purpose of Transfer (be specific): Random distribution to test tanks as hatchery decided to treat their tanks with medicated feed due to increasing mortalities.

Susan M. Schell

15 JUN 12

Signature of person transferring animals

Date of transfer

AEH-09-MAS-02

FF# 11a
Item #
Pg 1 of 1

start 0900
finish 1025

AEH-09-MAS-02 Trial 2

Fish distribution recording form

Approved: [Signature]

Lab data book/page(s): 42/2-3 File folder: 11a Proofed: _____ Reviewed: _____ Page 1 of 1

63 fish Hatchery loading density 2.7 fish/ 1 gal of water (1 gal = 3.79 liters) Hatchery loading density .7.1 (A) fish/ 1 L of water

Test system loading density = 110 - 125% of hatchery loading density $[(A*110)/100]$ to $[(A*125)/100]$ = range for (B)

Test system loading density = (B) .89 fish / L of water .7.8 .8.9

Test system tank holds 38 L of water

38 X .89 (B) = 34 fish per tank Species: WAE

Source Tank
11-123
320-
3 12
4 19
5 13
6 18
7 14
8 17
9 15
10 16

Tank	Rnd 1	Rnd 2	Rnd 3	Rnd 4	Rnd 5	Rnd 6	Rnd 7	Rnd 8	Rnd 9	Rnd 10	Rnd 11	Rnd 12	Rnd 13	Rnd 14	Rnd 15	Rnd 16	Rnd 17	Rnd 18	Rnd 19	Rnd 20
A1	10 ²	5 ²	11 ⁴	10 ⁶	8 ⁶	11 ⁸	8 ⁹	done												
A2	9 ¹	10 ³	10 ⁴	10 ⁶	10 ⁷	10 ⁸	4 ⁹	done												
A3	10 ¹	7 ³	8 ⁵	10 ⁵	11 ⁷	10 ⁸	7 ⁹	done												
A4	10 ¹	10 ²	10 ⁴	2 ⁵	10 ⁷	10 ⁸	10 ⁹	9 ¹⁰	done											
A5	9 ¹	10 ³	10 ⁵	10 ⁶	10 ⁷	10 ⁸	4 ⁹	done												
A6	10 ¹	10 ³	10 ⁵	10 ⁶	10 ⁷	10 ⁸	3 ⁹	done												
A7	10 ²	10 ²	10 ⁵	10 ⁶	10 ⁸	10 ⁸	3 ⁹	done												
A8	10 ¹	10 ⁴	10 ⁴	10 ⁵	10 ⁷	2 ⁸	10 ⁹	1 ¹⁰	done											
A9	10 ²	9 ²	10 ⁴	10 ⁶	1 ⁶	10 ⁹	10 ¹⁰	3 ¹⁰	done											
B1	10 ¹	9 ³	10 ⁴	11 ⁶	10 ⁷	10 ⁹	3 ⁹	done												
B2	10 ²	10 ⁵	4 ⁴	10 ⁶	10 ⁷	10 ⁸	9 ⁹	done												
B3	6 ¹	4 ³	10 ⁵	34 ⁵	10 ⁷	11 ⁹	10 ⁹	9 ¹⁰	done											
B4	10 ²	10 ²	10 ⁵	10 ⁶	5 ⁷	10 ⁸	78 ⁹	done ¹⁰	done											
B5	10 ²	10 ³	10 ⁵	10 ⁶	10 ⁷	10 ⁸	3 ⁹	done												
B6	10 ¹	10 ³	9 ⁵	10 ⁶	10 ⁷	10 ⁸	4 ⁹	done												
B7	10 ¹	10 ³	12 ⁵	11 ⁶	10 ⁷	10 ⁸	done	-												
B8	9 ¹	10 ⁴	10 ⁵	10 ⁶	10 ⁷	10 ⁸	4 ⁹	done												
B9	10 ²	11 ⁴	7 ⁴	10 ⁶	10 ⁷	10 ⁸	5 ⁹	done												

Fish will be assigned to tanks according to a randomized distribution code. Groups of ≤5 fish per tank will be placed in each round until the desired total is reached. All entries on this page completed by Susan M. Sabin on 15 JUN 12.

① Miscount (3) is correct 15 JUN 12 SMS

Due to hatchery's low loading density, study director was consulted and called back with suggested tank capacity of 63. SMS 15 JUN 12

AEH-09-MAS-02

Record of fish
redistribution of 26 JAN
88

$$17 \times 63 = 1071$$

- 34 disease assessment

$$1037 / 18 = 57.6 \text{ fish}$$

Fish-morts & disease assess

A1-3	B1-3
A2-3	B2-3
A3-3	B3-3
A4-3	B4-3
A5-3	B5-3
A6-3	B7-3
A7-3	B8-3
A8-2	B9-3
A9-3	

→ B6 = 50

Add 1

A8 - 1

A2 - 1

B5 - 1

B3 - 1

$$A1 = 61 / 50$$

$$A2 = 52 / 49$$

$$A3 = 49 / 49 \text{ (none to B6)}$$

$$A4 = 61 / 50$$

$$A5 = 61 / 50$$

$$A6 = 42 / 42 \text{ (none to B6)}$$

$$A7 = 61 / 50$$

$$A8 = 60 / 49$$

$$A9 = 51 / 50$$

$$\underline{498}$$

$$B1 = 60 / 50$$

$$B2 = 59 / 50$$

$$B3 = 60 / 49$$

$$B4 = 57 / 50$$

$$B5 = 60 / 49$$

$$B6 = 0 / 54$$

$$B7 = 61 / 50$$

$$B8 = 61 / 50$$

$$B9 = 60 / 50$$

$$\underline{478}$$

$$976 /$$

$$18 = 54 \text{ fish}$$

3-5 fish jumped to floor
1 extra to B8 (jumped in)

3 fish left
at end

reduce to
50/tank
for
then 2
units of 2
units/tank