Substrate Samples Taken At Artificial Redds Immediately Upstream From Egg Chambers in February and March 2005

Sieve Size (mm)	<0.85	0.9	1.0	2.0	5.0	8.0	9.5	16.0	31.0	63.0	
Sieve Size (# and Inches)	Fines (g)	# 20	#18	# 10	# 5	0.3	0.4	0.6	1.3	2.5	TOTAL
LOCATION	Weights are in Grams										
GD #1 Fr	28.6	0.0	0.0	28.6	14.1	0.0	0.0	2,239.8	6,704.5	0.0	9,015.6
GD #2 Fr	28.6	0.0	0.0	14.1	0.0	0.0	28.6	2,381.4	5,046.2	1,233.3	8,732.1
GD #3 Fr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,729.5	4,762.7	0.0	6,492.3
GD #4 Fr	0.0	0.0	0.0	0.0	0.0	0.0	28.6	2,253.9	4,848.0	977.9	8,108.4
GD #5 Fr	14.1	0.0	0.0	0.0	0.0	28.6	283.5	4,025.6	3,600.6	453.6	8,406.0
R19 #1 Fr	482.2	113.4	496.2	567.0	1,233.3	453.6	1,729.5	2,835.0	3,430.5	0.0	11,340.7
R19 #2 Fr	85.3	0.0	42.6	99.3	680.4	482.2	2,140.5	3,798.8	3,203.7	935.8	11,468.6
R19 #3 Fr	70.8	28.6	156.0	354.3	709.0	283.5	793.8	1,431.5	3,033.6	4,706.0	11,567.0
R19 #4 Fr	142.0	85.3	482.2	609.6	595.6	907.2	1,360.8	3,005.0	3,231.8	1,743.6	12,163.1
R19 #5 Fr	0.0	0.0	0.0	0.0	85.3	99.3	510.3	2,424.0	3,770.7	3,118.4	10,008.1
R19A #1 Fr	85.3	14.1	127.5	184.2	467.7	354.3	1,219.3	1,616.1	1,814.4	1,913.7	7,796.3
R19A #2 Fr	127.5	28.6	85.3	113.4	297.6	297.6	1,616.1	3,515.3	4,209.8	567.0	10,858.1
R19A #3 Fr	14.1	0.0	0.0	0.0	142.0	212.7	1,077.3	3,033.6	4,479.2	3,090.3	12,049.2
R19A #4 Fr	42.6	0.0	0.0	0.0	28.6	28.6	297.6	1,729.5	3,628.7	4,209.8	9,965.4
R19A #5 Fr	283.5	28.6	70.8	28.6	226.8	283.5	2,097.9	3,416.0	2,976.9	0.0	9,412.5
R19A #6 Fr	439.5	113.4	510.3	652.3	1,049.2	609.6	1,786.2	2,452.1	2,438.1	0.0	10,050.7
R19A #7 Fr	0.0	0.0	0.0	0.0	28.6	56.7	552.9	2,693.4	3,742.1	850.5	7,924.3
R19A #8 Fr	142.0	28.6	226.8	283.5	694.4	581.1	1,927.8	2,721.6	3,912.2	0.0	10,517.9
R19A #9 Fr	70.8	0.0	14.1	28.6	184.2	240.9	1,261.4	2,664.9	2,551.5	1,530.9	8,547.0
R19A #10 Fr	496.2	70.8	127.5	56.7	226.8	297.6	1,871.1	4,323.2	4,181.7	807.8	12,459.3
R20 #1 Fr	0.0	0.0	14.1	70.8	255.4	113.4	807.8	1,927.8	5,443.1	3,061.7	11,694.1
R20 #2 Fr	14.1	0.0	42.6	170.1	354.3	198.7	836.4	2,154.6	3,019.1	7,456.1	14,246.0
R20 #3 Fr	28.6	0.0	56.7	142.0	368.8	170.1	793.8	2,183.1	3,090.3	6,931.3	13,764.7
R20 #4 Fr	0.0	0.0	0.0	42.6	212.7	198.7	1,091.3	3,245.9	5,655.8	4,649.3	15,096.4
R20 #5 Fr	85.3	28.6	170.1	411.0	907.2	396.9	1,403.4	2,920.2	4,535.9	1,530.9	12,389.4
R57 #1 Fr	297.6	28.6	56.7	56.7	113.4	42.6	482.2	3,033.6	4,890.2	1,743.6	10,745.1
R57 #2 Fr	453.6	42.6	142.0	113.4	226.8	113.4	510.3	2,324.7	3,075.8	0.0	7,002.6
R57 #3 Fr	226.8	28.6	85.3	113.4	297.6	170.1	836.4	2,877.6	3,558.0	1,885.1	10,078.8
R57 #4 Fr	255.4	14.1	28.6	28.6	70.8	14.1	142.0	907.2	3,827.4	5,542.4	10,830.4
R57 #5 Fr	142.0	0.0	28.6	14.1	56.7	42.6	382.8	2,806.8	7,087.4	1,913.7	12,474.7
R57 #6 Fr	0.0	0.0	0.0	0.0	113.4	240.9	1,446.1	4,621.2	3,770.7	1,899.6	12,091.9
R57 #7 Fr	552.9	142.0	510.3	340.2	283.5	142.0	765.7	2,551.5	2,097.9	1,049.2	8,435.0
R57 #8 Fr	879.1	113.4	382.8	255.4	283.5	70.8	297.6	2,551.5	4,748.7	907.2	10,489.8
R57 #9 Fr	198.7	0.0	14.1	14.1	28.6	28.6	240.9	2,253.9	3,345.2	2,565.5	8,689.5
R57 #10 Fr	368.8	56.7	184.2	113.4	170.1	226.8	836.4	2,466.6	2,268.0	2,239.8	8,930.8
R58 #1 Fr	142.0	14.1	85.3	156.0	652.3	382.8	1,913.7	4,238.4	3,203.7	2,466.6	13,254.9
R58 #2 Fr	184.2	42.6	269.4	510.3	1,063.2	326.1	1,247.4	2,948.3	2,580.0	1,105.9	10,277.5
R58 #3 Fr	56.7	0.0	28.6	113.4	723.0	439.5	1,644.3	2,891.6	2,962.4	595.6	9,455.1
R58 #4 Fr	113.4	28.3	170.1	283.5	708.7	283.5	1,162.3	3,146.8	5,783.3	0.0	11,623.3
R58 #5 Fr	56.7	0.0	56.7	113.4	453.6	255.4	1,105.9	2,863.5	2,792.3	793.8	8,491.2

Substrate Samples Taken At Natural Redds Excavated in February and March 2005

Sieve Size (mm)	<0.85	0.9	1.0	2.0	5.0	8.0	9.5	16.0	31.0	63.0	
Sieve Size (# and Inches)	**Fines (g)**	**# 20**	**#18**	**# 10**	**# 5**	**0.3**	**0.4**	**0.6**	**1.3**	**2.5**	**TOTAL**
LOCATION	**Weights are in Grams**										
R12A Super Redd #1	0.0	0.0	0.0	0.0	42.5	56.7	935.8	2,948.3	2,976.9	2,650.8	9,611.0
R12B Super Redd #1	85.3	28.6	113.4	142.0	453.6	226.8	893.1	1,701.0	751.1	453.6	4,848.4
R14 Super Redd #1	312.1	56.7	198.7	198.7	538.9	255.4	1,034.6	2,268.0	2,835.0	921.2	8,619.2
R14A Super Redd #1	340.2	56.7	354.3	496.2	935.8	453.6	1,446.1	2,395.4	1,998.5	411.0	8,887.7
R15 Super Redd #1	0.0	0.0	0.0	0.0	0.0	14.1	340.2	2,452.1	3,628.7	510.3	6,945.4
R15 Super Redd #2	240.9	28.6	99.3	56.7	85.3	113.4	1,006.5	2,041.2	2,253.9	595.6	6,521.3
R19 Super Redd #1	99.3	14.1	70.8	113.4	439.5	170.1	779.7	1,417.5	850.5	2,069.7	6,024.6
R19 Non #1	226.8	42.6	198.7	255.4	538.9	226.8	609.6	1,006.5	1,049.2	1,786.2	5,940.7
R19 Non #2	14.1	0.0	14.1	56.7	312.1	226.8	1,502.8	2,551.5	2,239.8	1,899.6	8,817.4
R19 Non #3	28.6	0.0	56.7	156.0	396.9	170.1	595.6	1,134.0	1,516.8	2,778.3	6,832.9
R19 Non #4	113.4	28.6	198.7	283.5	312.1	283.5	992.5	1,842.9	1,913.7	411.0	6,379.8
R19 Non #5	226.8	28.6	170.1	198.7	581.1	198.7	751.1	1,502.8	3,317.1	1,701.0	8,675.9
R19A Super Redd #1	127.5	14.1	56.7	85.3	425.5	482.2	2,041.2	3,317.1	2,863.5	0.0	9,412.9
R19A Non Redd #1	0.0	0.0	0.0	14.1	212.7	255.4	1,119.9	907.2	1,842.9	0.0	4,352.2
R19A Non Redd #2	0.0	0.0	0.0	0.0	0.0	28.6	226.8	1,842.9	4,592.6	2,083.8	8,774.7
R19A Non Redd #3	56.7	0.0	14.1	28.6	113.4	127.5	425.5	1,290.0	2,466.6	3,203.7	7,726.0
R19A Non Redd #4	0.0	0.0	0.0	0.0	0.0	14.1	170.1	793.8	4,011.6	963.9	5,953.4
R19A Non Redd # 5	510.3	83.0	255.4	170.1	396.9	312.1	1,105.9	1,814.4	3,019.1	0.0	7,667.1
R20 Super Redd #1	212.7	56.7	340.2	467.7	723.0	255.4	907.2	1,559.4	1,190.7	4,337.7	10,050.7
R20 Super Redd #2	85.3	28.6	142.0	255.4	510.3	240.9	893.1	1,474.2	1,956.3	793.8	6,379.8
R57 Non #1	156.0	0.0	56.7	113.4	269.4	255.4	1,077.3	1,502.8	1,304.1	425.5	5,160.5
R58 Non #1	70.8	0.0	56.7	85.3	312.1	170.1	680.4	1,686.9	2,154.6	0.0	5,216.8