

2016

1 Paxton Limnetics n males n females May ...	2	3 White x Common Atlantic F3 hybrid males introduced 5-May-16	4		
5 Diana	6 Diana	7 Diana	8 Diana		
9 Diana	10 Diana	11 Diana	12 Diana	13 Diana	14 Diana
15	16	17	18	19	20 Paxton Benthics n males n females May ...

2015

Were fish added to pond 20 in late summer 2013?

1 Priest benthic pond New rotenone used July 27th	2 Priest limnetic pond New rotenone used July 27th	3 New rotenone used July 27th	4 New rotenone used Aug 5th		
5 Diana New rotenone used July 27th	6 Diana New rotenone used July 27th	7 Diana Trout died over summer New rotenone used July 27th	8 Diana New rotenone used July 27th	One of Diana's ponds has a surviving trout	
9 Diana Old rotenone used April 2015 Failed! New rotenone used Aug 12th	10 Diana Trout died over summer Old rotenone used April 2015 Failed! New rotenone used Aug 12th	11 Diana Trout died over summer Old rotenone used April 2015 Failed! New rotenone used Aug 12th	12 Diana Trout died over summer April, 2015, nuked with Chinese rotenone Failed! New rotenone used Aug 12th	13 Diana Trout died over summer New rotenone used Aug 5th	14 Diana New rotenone used Aug 5th
15 New rotenone used Aug 12th	16 New rotenone used Aug 12th	17 New rotenone used Aug 12th	18 New rotenone used Aug 5th	19 New rotenone used Aug 5th	20 Little Quarry limnetic-benthic F2 hybrids New rotenone used Aug 5th

2014

1 Priest benthic pond	2 Priest limnetic pond	3 Seth Trapping out and rotenone end of May/start of June 2014 rotenoned July 11, 2014	4 Seth Trapping out and rotenone end of May/start of June 2014 rotenoned July 11, 2014		
5 Diana Exhaustively trapped out in autumn	6 Diana Exhaustively trapped out in autumn	7 Diana Trout died over summer Exhaustively trapped out in autumn	8 Diana Exhaustively trapped out in autumn		
9 Diana Exhaustively trapped out in autumn	10 Diana Trout died over summer Exhaustively trapped out in autumn	11 Diana Trout died over summer Exhaustively trapped out in autumn	12 Diana Trout died over summer Exhaustively trapped out in autumn	13 Diana Trout died over summer Exhaustively trapped out in autumn	14 Diana Exhaustively trapped out in autumn
15 Seth Trapping out and rotenone end of May/start of June 2014 rotenoned July 11, 2014	16 Seth Trapping out and rotenone end of May/start of June 2014 rotenoned July 11, 2014	17 Seth Trapping out and rotenone end of May/start of June 2014 rotenoned July 10, 2014	18 Seth Trapping out and rotenone end of May/start of June 2014 rotenoned July 10, 2014	19 Seth Trapping out and rotenone end of May/start of June 2014 rotenoned July 10, 2014	20 March, 2013, nuked Little Quarry limnetic-benthic F2 hybrids

2013

<p>1 Priest benthic pond</p>	<p>2 Priest limnetic pond</p>	<p>3 Seth March 2013, Seth removed vegetation from deep zones ponds 3,4, 15-19 Single nutrient addition: May May 12: 22 limnetic and 16 benthics from Little Quarry</p>	<p>4 Seth Regular nutrient addition Eutrophication pond May 12: 22 limnetic and 16 benthics from Little Quarry</p>		
<p>5 Diana</p>	<p>6 Diana</p>	<p>7 Diana Trout died over summer Three trout added Oct 9, 2013</p>	<p>8 Diana</p>		
<p>9 Diana</p>	<p>10 Diana Trout died over summer Three trout added Oct 9, 2013</p>	<p>11 Diana Trout died over summer Three trout added Oct 9, 2013</p>	<p>12 Diana Trout died over summer Three trout added Oct 9, 2013</p>	<p>13 Diana Trout died over summer Three trout added Oct 9, 2013</p>	<p>14 Diana</p>
<p>15 Seth March 2013, Seth removed vegetation from deep zones ponds 3,4, 15-19 Single nutrient addition: May May 12: 22 limnetic and 16 benthics from Little Quarry</p>	<p>16 Seth Regular nutrient addition Eutrophication pond May 12: 22 limnetic and 16 benthics from Little Quarry</p>	<p>17 Seth Regular nutrient addition Eutrophication pond May 12: 22 limnetic and 16 benthics from Little Quarry</p>	<p>18 Seth Single nutrient addition: May May 12: 22 limnetic and 16 benthics from Little Quarry</p>	<p>19 Seth Regular nutrient addition Eutrophication pond May 12: 22 limnetic and 16 benthics from Little Quarry</p>	<p>20 March, 2013, nuked Little Quarry limnetic-benthic F2 hybrids</p>

2012

<p>1 Gina May 16: 30 wild-caught Priest benthics</p>	<p>2 Gina May 16: 30 wild-caught Priest limnetics</p>	<p>3 March 2013, Seth removed vegetation from deep zones ponds 3,4, 15-19</p>	<p>4</p>
<p>5 Diana May 2, 21 adult fish added Paxton B-L forward F1 cross 1</p>	<p>6 Diana May 2 & 4, 29 adult fish added Paxton B-L forward F1 cross 6</p>	<p>7 Diana May 2 & 4, 29 adult fish added Paxton B-L forward F1 cross 6</p>	<p>8 Diana May 2 & 4, 31 adult fish added Paxton B-L forward F1 cross 4</p>
<p>Sept 20 Seth removed vegetation from the deep of all Diana's ponds (5-14). Was not successful in pond #8</p>			
<p>Two trout added Sept 27, 2012</p>			
<p>9 Diana June 5: 31 fish from First Lake Texada Island</p>	<p>10 Diana May 2 & 4, 31 adult fish added Paxton B-L forward F1 cross 4</p>	<p>11 Diana May 2, 21 adult fish added Paxton B-L forward F1 cross 1</p>	<p>12 Diana May 2 & 4, 30 adult fish added Paxton B-L forward F1 cross 2</p>
<p>Sept 20 Seth removed vegetation from the deep of all Diana's ponds (5-14). Was not successful in pond #8</p>			
<p>Two trout added Sept 27, 2012</p>			
<p>Two trout added Sept 27, 2012</p>			
<p>15 March 2013, Seth removed vegetation from deep zones ponds 3,4, 15-19</p>			
<p>13 Diana June 5: 31 fish from First Lake Texada Island</p>	<p>14 Diana May 2 & 4, 30 adult fish added Paxton B-L forward F1 cross 2</p>	<p>19 20 Kieran Paxton Fn's</p>	

2011

<p>1 Gina Arena pond for Paxton lake cross</p> <p>Nuked with rotenone Aug 30</p>	<p>2 Dolph Paxton benthic pure pond Established 2008</p> <p>Nuked with rotenone Aug 30</p>	<p>3 Dolph Paxton limnetic pure pond Established 2008 (found a benthic in a trap)</p> <p>Nuked with rotenone Aug 30</p>	<p>4 Expansion pond for Pond 9 Priest forward cross F2's from F1 parents PrCI-09-F1.3 Oct-Dec 2010 354 fish</p> <p>Nuked with rotenone Aug 30</p>		
<p>5 Arena pond for Paxton lake cross</p> <p>Nuked with rotenone Aug 30</p>	<p>6 Expansion pond for Pond 10 Paxton forward cross F2's from F1 parents PxCI-09-F1.1 Oct-Dec 2010 289 fish</p> <p>Nuked with rotenone Aug 30</p>	<p>7 Expansion pond for Pond 12 Paxton reverse cross F2's from F1 parents RPxCI-09-F1.1 Oct-Dec 2010 900 fish</p> <p>Nuked with rotenone Aug 30</p>	<p>8 Gina Pure Priest benthic and limnetics (assortative mating pond) 07-May-09 10 males and 10 females of each species, total n=40</p> <p>Nuked with rotenone Aug 30</p>		
<p>9 Gina & Matt F1 hybrids benthic-limnetic Priest forward cross PrCI-09-F1.3 10-05-02 30 fish</p> <p>Nuked with rotenone Aug 30</p>	<p>10 Gina & Matt F1 hybrids benthic-limnetic Paxton forward cross PxCI-09-F1.1 10-05-02 35 fish</p> <p>Nuked with rotenone Aug 30</p>	<p>11 Gina & Matt F1 hybrids benthic-limnetic Priest reverse cross RPrCI-09-F1.6 10-05-02 25 fish [F2's are stunted]</p> <p>Nuked with rotenone Aug 30</p>	<p>12 Gina & Matt F1 hybrids benthic-limnetic Paxton reverse cross RPxCI-09-F1.2 10-05-02 35 fish</p> <p>Nuked with rotenone Aug 30</p>	<p>13 Bolnick Lake/stream fish introduced 2010</p> <p>Nuked with rotenone Aug 30</p>	<p>14 Expansion pond for Pond 11 Priest reverse cross F2's from F1 parents RPrCI-09-F1.6 Oct-Dec 2010 536 fish</p> <p>Nuked with rotenone Aug 30</p>
<p>15</p>	<p>16</p>	<p>17 Laura Habitat preference experiment in enclosures</p> <p>Nuked with rotenone Aug 30</p>	<p>18 Laura Habitat preference experiment in enclosures</p> <p>Nuked with rotenone Aug 30</p>	<p>19 Kerry Expansion pond for Paxton F2's from Pond 20</p> <p>Nuked with rotenone in Nov.</p>	<p>20 Kerry Paxton "free" F1 pond Single family PCLF1.13 40 adults added on 23 April, 2009</p> <p>NOT nuked - Kieran in charge</p>

2010

<p>1 Gina Proposed arena pond for Priest lake cross</p>	<p>2 Dolph Paxton benthic pure pond Established 2008</p>	<p>3 Dolph Paxton limnetic pure pond Established 2008</p>	<p>4 Nuked April 30 with rotenone</p> <p>Expansion pond for Pond 9 Priest forward cross F2's from F1 parents PrCI-09-F1.3 Oct-Dec 2010 354 fish</p>		
<p>5 Nuked May 3 with rotenone June 3, 1.2 kg of KNO3 and 47 g of KH2PO4 added to ponds</p> <p>Proposed arena pond</p>	<p>6 Nuked April 30 with rotenone 47 g of KH2PO4 added to ponds</p> <p>Expansion pond for Pond 10 Paxton forward cross F2's from F1 parents PxCI-09-F1.1 Oct-Dec 2010 289 fish</p>	<p>7 Nuked April 30 with rotenone</p> <p>Expansion pond for Pond 12 Paxton reverse cross F2's from F1 parents RPxCi-09-F1.1 Oct-Dec 2010 900 fish</p>	<p>8 Gina Pure Priest benthic and limnetics (assortative mating pond) 07-May-09 10 males and 10 females of each species, total n=40</p>		
<p>9 Gina & Matt F1 hybrids benthic-limnetic Priest forward cross PrCI-09-F1.3 10-05-02 30 fish</p> <p>June 3, 0.6 kg of KNO3 and 47 g of KH2PO4 added to ponds</p>	<p>10 Gina & Matt F1 hybrids benthic-limnetic Paxton forward cross PxCI-09-F1.1 10-05-02 35 fish</p>	<p>11 Gina & Matt F1 hybrids benthic-limnetic Priest reverse cross RPrCI-09-F1.6 10-05-02 25 fish [F2's are stunted]</p>	<p>12 Gina & Matt F1 hybrids benthic-limnetic Paxton reverse cross RPxCi-09-F1.2 10-05-02 35 fish</p>	<p>13 Bolnick 29 stream/lake F1 hybrids 01-Jun-10</p>	<p>14 Nuked May 3 with rotenone June 3, 1.2 kg of KNO3 and 47 g of KH2PO4 added to ponds 5, 6, 7, 14</p> <p>Expansion pond for Pond 11 Priest reverse cross F2's from F1 parents RPrCI-09-F1.6 Oct-Dec 2010 536 fish</p>
<p>15</p> <p>April 10: half garbage can of Paxton muck divided up and added to ponds</p>	<p>16</p>	<p>17 Laura Habitat preference experiment in enclosures</p> <p>Nuked with rotenone Aug 5</p>	<p>18 Laura Habitat preference experiment in enclosures</p> <p>Nuked with rotenone Aug 5</p>	<p>19 Kerry Expansion pond for Paxton F2's from Pond 20</p>	<p>20 Kerry Paxton "free" F1 pond Single family PCLF1.13 40 adults added on 23 April, 2009</p>

2009

<p>1 Gina Proposed arena pond for Priest lake cross</p>	<p>2 Dolph Paxton benthic pure pond Est 2008</p>	<p>3 Dolph Paxton limnetic pure pond Est 2008</p>	<p>4 Matt Paxton backup pond (free F1's) April: fish are stunted NUKE afterward</p>		
<p>5 Matt Arena pond for Paxton Lake cross Apr 20, 21, 100 males of each species introduced</p>	<p>6 Matt Priest rearing pond (2 enclosures) April 19-21 Retrieved only 124 F2's NUKE afterward</p>	<p>7 Matt Paxton rearing pond (2 enclosures) NUKE afterward</p>	<p>8 Gina Pure Priest benthic and limnetics (assortative mating pond) 07-May-09 10 males and 10 females of each species, total n=40</p>		
<p>9 April 16: garbage can of Paxton muck divided up and added to ponds 9-20 April 24: 1.2 kg of KNO3 and 47 g of KH2PO4 added to ponds 9-20</p>	<p>10</p>	<p>11</p>	<p>12</p>	<p>13</p>	<p>14 Gina "Free F1" Priest pond Single family PrCLF1.5 35 individuals added on 11 April, 2009 Almost all fish removed for stable isotopes in October?</p>
<p>15 April 16: garbage can of Paxton muck divided up and added to ponds 9-20 April 24: 1.2 kg of KNO3 and 47 g of KH2PO4 added to ponds 9-20 April 24: 1/3 of a bale of hay added to each of ponds 15-20 June 5: another 1/3 bale added to each of the ponds 15-20</p>	<p>16</p>	<p>17</p>	<p>18</p>	<p>19 Kerry</p>	<p>20 Kerry Paxton "free" F1 pond Single family PCLF1.13 40 adults added on 23 April, 2009</p>

2008

<p>1</p> <p>Feb 22: 1 garbage can of Paxton muck and Chara distributed among ponds 1-8 Feb 29: 1.2 kg of 50% pure KNO₃ and 47 g of KH₂PO₄ added to pond 1 and pond 4; and to ponds 2 & 3 on March 31.</p>	<p>2</p> <p>Paxton benthic, pure, pond April 17: 10 of each sex, none had pelvic girdle, all 20 fin-clipped.</p>	<p>3</p> <p>Paxton limnetic pond April 17: 10 of each sex, all had pelvic spines did not fin-clip.</p>	<p>4</p> <p>Matt Paxton backup pond (free F1's) Introduced March 17 March 10: Another batch of nutrients this pond only</p>		
<p>5</p> <p>Matt Priest arena (no fish in 2008) Feb 22: 1 garbage can of Paxton muck and Chara distributed among ponds 1-8</p>	<p>6</p> <p>Matt Priest rearing pond (2 enclosures) F1's introduced March 31 April 17: tutor males added, 56 males of each species from Priest</p>	<p>7</p> <p>Matt Paxton rearing pond (2 enclosures) F1's introduced March 31 April 17: tutor males added, 56 males of each species from Paxton</p>	<p>8</p> <p>Matt Paxton arena (no fish in 2008) Feb 10: 1.2 kg of 50% pure KNO₃ & 47 g of KH₂PO₄</p>		
<p>9</p> <p>Full in March 2008 April 10: 1/2 bale of hay added to ponds 9-14 April 17: garbage can of Paxton muck divided up and added to ponds 9-14 April 22: 1.2 kg of 50% pure KNO₃ and 47 g of KH₂PO₄ added to ponds 9 through 14 May 16: muck from old ponds dumped into ponds 9-14</p>	<p>10</p> <p>Full in March 2008</p>	<p>11</p> <p>Full in March 2008</p>	<p>12</p> <p>Full in March 2008</p>	<p>13</p> <p>Full in March 2008</p>	<p>14</p> <p>Full in March 2008</p>
<p>15</p> <p>Full in September 2008</p>	<p>16</p> <p>Full in September 2008</p>	<p>17</p> <p>Full in September 2008</p>	<p>18</p> <p>Full in September 2008</p>	<p>19</p> <p>Full in September 2008</p>	<p>20</p> <p>Full in September 2008</p>

2007

Ponds 5-8 completed Jan 2007, 1-4 completed Feb 2007

<p>1 6 March: 1.2kg of 50% pure KNO₃ and 47g of KH₂PO₄ were added to each of ponds 1-4 17 March: two gallons of dark thick Paxton muck added to each pond 1-4 17 March: zooplankton-tow-slurry from Paxton Lake added to each pond 1-8 5 September: 1/2 bale of hay added to ponds 1-4</p>	<p>2</p>	<p>3</p>	<p>4</p>
<p>5 5 Feb: 1.2kg of 50%pure KNO₃ & 47g of KH₂PO₄ added to each of ponds 5-8 15 Feb: 2.5 gallons of Paxton muck added to each of ponds 5-8 17 March: zooplankton-tow-slurry from Paxton Lake added to each pond 1-8 April 27: Ponds 5-8 planted with Chara, bladderwort, pennywort, from Paxton June 26: 60 kg of powdered Texada limestone (CaCO₃) added to each of ponds 5-8 (for Chara growth) July 9: 1.2kg of 50% pure KNO₃ and 47g of KH₂PO₄ added to each of ponds 5-7 (#8 was done Feb 2008) July 9: 1/2 bale of hay added to ponds 5-7 (and later to pond 8 on Aug 20) Aug 16: replanting ponds 5-7 with Chara Aug 16: ponds 5-7 given another 40 lb (1/2 bag) of CaCO₃</p>	<p>6</p>	<p>7</p>	<p>8 Pond 8 has a sagging slope; treatments of it were delayed, but Chara growth is nevertheless good 12 Sept: another 1/2 bale of hay? Or is same as Aug 20 note?</p>

Chlorophyll readings July 6, 2007 (Shurin says less than 5 is low)

Jess's pond#	Real Pond#	Unfiltered Chlorophyll ug/L	Filtered (<41um) Chlorophyll ug/L
1A	4	1.35	1.33
2A	3	0.62	0.78
3A	2	0.54	0.5
4A	1	1.36	1.14
1B	8	0.79	0.9
2B	7	0.61	0.54
3B	6	0.56	0.92
4B	5	0.86	0.95