

**Table 3.1-1**  
**Acreage and Approximate Location of Each Phase 1 Certification Unit**

| CU   | Approximate<br>River Mile <sup>1</sup> | Area<br>(Acres) |
|------|--|-----------------|
| CU01 | 194.35                                 | 3.39            |
| CU02 | 194.05                                 | 5.06            |
| CU03 | 193.90                                 | 4.87            |
| CU04 | 193.80                                 | 4.51            |
| CU05 | 194.45                                 | 4.77            |
| CU06 | 194.30                                 | 4.94            |
| CU07 | 194.20                                 | 4.71            |
| CU08 | 194.15                                 | 4.91            |
| CU09 | <i>194.05</i>                          | <i>4.99</i>     |
| CU10 | <i>193.90</i>                          | <i>4.86</i>     |
| CU11 | <i>193.80</i>                          | <i>4.93</i>     |
| CU12 | <i>193.70</i>                          | <i>4.94</i>     |
| CU13 | <i>193.55</i>                          | <i>4.86</i>     |
| CU14 | <i>193.40</i>                          | <i>5.00</i>     |
| CU15 | <i>193.30</i>                          | <i>4.87</i>     |
| CU16 | <i>193.15</i>                          | <i>5.50</i>     |
| CU17 | 190.25                                 | 4.99            |
| CU18 | 190.05                                 | 6.10            |

Note:

<sup>1</sup> Based on the location of the centroid

**Table 3.1-2**  
**Summary of Annual Total and Tri+ PCB Load from 2005 to 2008**

| Station         | Annual Total PCB Load (kg) |      |      |      | Annual Tri+ PCB Load (kg) |      |      |      |
|-----------------|----------------------------|------|------|------|---------------------------|------|------|------|
|                 | 2005                       | 2006 | 2007 | 2008 | 2005                      | 2006 | 2007 | 2008 |
| Thompson Island | 110                        | 181  | 76   | 136  | 37                        | 65   | 23   | 60   |
| Lock 5          | 157                        | 252  | 163  | 172  | 63                        | 108  | 64   | 85   |
| Waterford       | 242                        | 379  | 212  | 236  | 131                       | 199  | 116  | 142  |

**Table 3.1-3**  
**Summary of May through November Total and Tri+ PCB Load from 2005 to 2008**

| Station         | May-Nov Total PCB Load (kg) |      |      |      | May-Nov Tri+ PCB Load (kg) |      |      |      |
|-----------------|-----------------------------|------|------|------|----------------------------|------|------|------|
|                 | 2005                        | 2006 | 2007 | 2008 | 2005                       | 2006 | 2007 | 2008 |
| Thompson Island | 89                          | 149  | 70   | 84   | 30                         | 54   | 20   | 31   |
| Lock 5          | 117                         | 183  | 87   | 98   | 45                         | 72   | 27   | 39   |
| Waterford       | 148                         | 292  | 84   | 100  | 75                         | 153  | 32   | 46   |

**Table 3.2-1  
Special Circumstances for Residual Sampling**

| <b>CU</b> | <b>Pass</b>                | <b>Special Circumstance</b>  |
|-----------|----------------------------|--|
| CU01      | Design Dredge              | During the design dredge pass, one shoreline core was mistakenly collected outside the shoreline area. The number of cores used in the statistics was thus 41 instead of 40.   |
|           | First Re-Dredge            | A complete set of cores were not collected after the first re-dredge pass; cores were only collected in CU01-1. The cores collected after the design dredge pass were used to define a new dredge prism for the second re-dredge pass.   |
|           | Second Re-Dredge           | The second re-dredge pass was based off at-depth data, though the performance standards call for characterization of vertical extent of contamination only for estimating dredge depths in the first re-dredge pass.   |
|           | Third and Fourth Re-Dredge | The third and fourth re-dredge passes were not based off target depths defined by chemistry, but rather to a target elevation. The third re-dredge pass was to a targeted elevation of 104.9 feet above Mean Sea Level (MSL) in the Navigation Channel, and the fourth re-dredge pass was to a targeted elevation of 103.5 feet above MSL. The objective of the final pass was to dredge to the maximum elevation such that a Type B cap could be placed under New York State Canal Corporation regulations, rather than attempt to dredge down to clean sediment. |
|           | Third and Fourth Re-Dredge | The third and fourth re-dredge passes only targeted the navigation channel, rather than all contaminated regions of the CU. The dredging in areas outside the navigation channel was undertaken only to address slope stability concerns.  |
|           | Third Re-Dredge            | Due to available sediment depths, a few cores in the third re-dredge pass were collected using a 2 feet tube rather than a 4 feet tube.  |
| CU02      | Design Dredge              | During the design dredge pass, four shoreline cores were mistakenly collected outside the shoreline area. The number of cores used in the statistics was thus 44 instead of 40.  |
|           | All Re-Dredge              | Contaminated sediments on the top of bucket refusal areas were not targeted due to the inability to dredge those locations.  |
|           | Second and Third Re-Dredge | The second and third re-dredge passes were based off at-depth data, though the performance standards call for characterization of vertical extent of contamination only for estimating dredge depths for the first re-dredge pass.   |
|           | All Re-Dredge              | Due to the presence of the archaeologically significant Fort Hudson in the eastern part of CU02-1; a 10 feet dredging offset was established there. The three shoreline cores situated there were re-located east by 30 feet and were treated as non-shoreline cores for the second and third re-dredge passes.  |
| CU03      | First Re-Dredge            | The second re-dredge pass was based off at-depth data, though the performance standards call for characterization of vertical extent of contamination only for estimating dredge depths for the first re-dredge pass.  |
|           | Second Re-Dredge           | Nodes taking the average above 1 mg/kg surface Tri+ PCB concentration were capped after the second re-dredge pass, though the standards call for one more pass.  |

**Table 3.2-1  
Special Circumstances for Residual Sampling**

| <b>CU</b> | <b>Pass</b>      | <b>Special Circumstance</b>   |
|-----------|------------------|---|
| CU04      | First Re-Dredge  | The dredge depths for the first re-dredge pass were not completely based off chemistry. For each point in the area of influence polygon of a node, the elevation of the clean segment of the node was compared to the expected elevation of the chemistry-calculated depth of contamination. The point was dredged to the deeper of the two elevations. |
|           | Second Re-Dredge | Due to schedule and resource considerations, not all contaminated regions were re-dredged in the second (and final) re-dredge pass.   |
|           | First Re-Dredge  | Though a depth of cut of six inches was provided for the regions re-dredged in the first re-dredge pass, the contractor was asked to maximize the sediment dredged in the minimal number of buckets, leading to dredge depths from 0.5 to 1.5 feet.   |
|           | Second Re-Dredge | Nodes taking the average above 1 mg/kg surface Tri+ PCB concentration were capped after the second re-dredge pass, though the standards call for one more pass.   |
| CU05      | All Re-Dredge    | Contaminated sediment on the top of bucket refusal areas were not targeted due to the inability to dredge on those locations.   |
|           | Second Re-Dredge | The second re-dredge pass was based off at-depth data, though the performance standards call for characterization of vertical extent of contamination only for estimating dredge depths for the first re-dredge pass.   |
|           | All Re-Dredge    | Target locations near the bucket refusal boundary were moved a distance of 20 feet from the bucket refusal boundary to prevent core collection at a location that could not be dredged.   |
|           | Second Re-Dredge | Nodes taking the average above 1 mg/kg surface Tri+ PCB concentration were capped after the second re-dredge pass, though the standards call for one more pass.   |
| CU06      | All Re-Dredge    | Contaminated sediment on the top of bucket refusal areas were not targeted due to the inability to dredge on those locations.   |
|           | Second Re-Dredge | The second re-dredge pass was based off at-depth data, though the performance standards call for characterization of vertical extent of contamination only for estimating dredge depths for the first re-dredge pass.   |
|           | Second Re-Dredge | The second re-dredge pass only targeted contaminated sediment not present on clay; contaminated nodes present on clay were identified as candidates for capping, though the standards call for further re-dredge.   |
|           | Second Re-Dredge | Nodes taking the average above 1 mg/kg surface Tri+ PCB concentration were capped after the second re-dredge pass, though the standards call for one more pass.   |

**Table 3.2-1  
Special Circumstances for Residual Sampling**

| <b>CU</b> | <b>Pass</b>                | <b>Special Circumstance</b>   |
|-----------|----------------------------|---|
| CU07      | Second and Third Re-Dredge | The second and third re-dredge passes were based off at-depth data, though the performance standards call for characterization of vertical extent of contamination only for estimating dredge depths for the first re-dredge pass.  |
|           | Second Re-Dredge           | In the second re-dredge pass, a few nodes located on clay were not dredged six inches – they were only dredged till the depth of clay identified in the cores.  |
|           | Third Re-Dredge            | The third re-dredge pass did not target all contaminated sediment – only a node with the entire area of influence polygon on non-clay sediment was re-dredged.  |
|           | Third Re-Dredge            | The third re-dredge pass targeted a shoreline node on the south east part of the CU. Due to sloughing of sediment from the shore, a stair-cut prism starting three feet outside the CU boundary was developed.  |
| CU08      | Second and Third Re-Dredge | The second and third re-dredge passes were based off at-depth data, though the performance standards call for characterization of vertical extent of contamination only for estimating dredge depths for the first re-dredge pass.  |
|           | Second Re-Dredge           | A small inaccessible channel to the east of a sandbar on the north east part of the CU was not dredged in the design dredge pass. The area around the sandbar was also not dredged in the first re-dredge pass. The entire sandbar was dredged in the second re-dredge pass, and the area of the sandbar was added to the Phase 1 dredge area. The shoreline area around the sandbar was also eliminated. |
|           | All Re-Dredge              | The shoreline core locations around the sandbar were re-classified as non-shoreline cores.  |
|           | Second Re-Dredge           | Two core locations around the sandbar were moved into the sandbar area.   |
|           | All Re-Dredge              | Contaminated sediment on the top of bucket refusal areas were not targeted due to the inability to dredge on those locations.   |
|           | Third Re-Dredge            | Target core locations after the third re-dredge pass were moved away off the slopes that were not dredged due to stability concerns.  |
|           | Third Re-Dredge            | In the third re-dredge pass, a shoreline node on the western side of the eastern channel of the CU was dredged a depth of 3 feet though the collected sample was a grab.  |
| CU17      | Second Re-Dredge           | The second re-dredge pass was based off at-depth data, though the performance standards call for characterization of vertical extent of contamination only for estimating dredge depths for the first re-dredge pass.   |
|           | First Re-Dredge            | Since the CU statistics always use the latest surface, a node that was not identified for re-dredge after the design dredge pass was identified as re-dredge after the first re-dredge pass.  |
|           | Second Re-Dredge           | To prevent the above scenario from occurring again, nodes that were not identified for re-dredge were re-dredged in the second re-dredge pass.  |
| CU18      | Design Dredge              | A sheetpile wall was built in the design dredge pass across parts of CUs 18-1 and 18-2.   |
|           | First Re-Dredge            | Like CU17, in the first re-dredge pass, nodes not identified for re-dredge were re-dredged.   |
|           | Second Re-Dredge           | Due to schedule and resource considerations, not all contaminated regions were re-dredged in the second (and final) re-dredge pass.   |

**Table 3.2-2**  
**Summary PCB Statistics after Each Pass for Each CU Dredged in Phase 1**

| <b>CU</b> | <b>Sampling Rounds</b> | <b>Average 0-6 inches Tri+ PCBs Concentration (mg/kg)</b> | <b>Median 0-6 inches Tri+ PCBs Concentration (mg/kg)</b> | <b>Nodes ≥ 15 and &lt; 27 0-6 inches Tri+ PCBs (mg/kg)</b> | <b>Nodes ≥ 27 0-6 inches Tri+ PCBs (mg/kg)</b> | <b>Number of Shoreline Nodes with sections ≥ 50 Total PCBs (mg/kg)</b> |
|-----------|------------------------|---|--|--|--|--|
| 01        | Design Dredge          | 5   | 5  | 0  | 0  | 0  |
| 01        | Re-dredge 1*           |   |  |  |  |  |
| 01        | Re-dredge 2            | 8   | 6  | 4  | 1  | 0  |
| 01        | Re-dredge 3            | 14  | 12   | 10   | 1  | 0  |
| 01        | Re-dredge 4            | 30  | 26   | 20   | 6  | 0  |
| 02        | Design Dredge          | 29  | 18   | 7  | 12   | 0  |
| 02        | Re-dredge 1            | 22  | 12   | 6  | 11   | 0  |
| 02        | Re-dredge 2            | 13  | 3  | 5  | 7  | 0  |
| 02        | Re-dredge 3            | 10  | 3  | 4  | 5  | 0  |
| 03        | Design Dredge          | 20  | 5  | 3  | 10   | 2  |
| 03        | Re-dredge 1            | 6   | 2  | 2  | 5  | 0  |
| 03        | Re-dredge 2            | 2   | 1  | 0  | 0  | 0  |
| 04        | Design Dredge          | 28  | 11   | 2  | 17   | 0  |
| 04        | Re-dredge 1            | 16  | 3  | 5  | 7  | 0  |
| 04        | Re-dredge 2            | 6   | 1  | 3  | 2  | 0  |
| 05        | Design Dredge          | 11  | 6  | 5  | 2  | NA   |
| 05        | Re-dredge 1            | 5   | 3  | 3  | 0  | NA   |
| 05        | Re-dredge 2            | 4   | 2  | 3  | 0  | NA   |
| 06        | Design Dredge          | 9   | 6  | 3  | 1  | NA   |
| 06        | Re-dredge 1            | 6   | 2  | 1  | 2  | NA   |
| 06        | Re-dredge 2            | 5   | 2  | 0  | 2  | NA   |
| 07        | Design Dredge          | 26  | 12   | 3  | 15   | 1  |
| 07        | Re-dredge 1            | 16  | 8  | 4  | 8  | 1  |
| 07        | Re-dredge 2            | 6   | 1  | 1  | 2  | 1  |
| 07        | Re-dredge 3            | 5   | 1  | 1  | 2  | 1  |
| 08        | Design Dredge          | 12  | 3  | 4  | 6  | 3  |
| 08        | Re-dredge 1            | 8   | 2  | 3  | 3  | 1  |
| 08        | Re-dredge 2            | 15  | 2  | 3  | 5  | 2  |
| 08        | Re-dredge 3            | 7   | 2  | 3  | 0  | 1  |
| 17        | Design Dredge          | 21  | 1  | 3  | 8  | NA   |
| 17        | Re-dredge 1            | 4   | 0  | 0  | 1  | NA   |
| 17        | Re-dredge 2            | 0.77  | 0.28   | 0  | 0  | NA   |

**Table 3.2-2  
Summary PCB Statistics after Each Pass for Each CU Dredged in Phase 1**

| <b>CU</b> | <b>Sampling Rounds</b> | <b>Average<br/>0-6 inches<br/>Tri+ PCBs<br/>Concentration<br/>(mg/kg)</b> | <b>Median<br/>0-6 inches<br/>Tri+ PCBs<br/>Concentration<br/>(mg/kg)</b> | <b>Nodes ≥ 15 and<br/>&lt; 27<br/>0-6 inches<br/>Tri+ PCBs<br/>(mg/kg)</b> | <b>Nodes ≥ 27<br/>0-6 inches<br/>Tri+ PCBs<br/>(mg/kg)</b> | <b>Number of<br/>Shoreline Nodes<br/>with sections<br/>≥ 50 Total PCBs<br/>(mg/kg)</b> |
|-----------|------------------------|---|--|--|--|--|
| 18        | Design Dredge          | 21  | 3  | 5  | 9  | NA   |
| 18        | Re-dredge 1            | 3   | 1  | 0  | 1  | NA   |
| 18        | Re-dredge 2            | 2   | 1  | 0  | 0  | NA   |

*\* The first re-dredge pass was a 6-inch dredge cut over the entire CU. Only 11 residual samples were taken in CU subunit 01-1 and none in the rest of the CU. Accordingly, CU statistics per the Residuals Standard could not be calculated because the CU was not fully sampled at the end of the pass (see Appendix C for details).*

*NOTE: The statistics presented in this table are in accordance with the Residuals Standard and were used to evaluate “next actions” on the CU after a given dredge pass.*

**Table 3.2-3a  
Disturbed Residuals Encountered in Certification Unit 01**

| CU ID     | Node ID       | Dredge Pass       | Sample ID                 | Sample Date | Sample Information                | Tri+ PCB<br>(mg/kg) | Total<br>PCB<br>(mg/kg) | Moisture<br>(%) |
|-----------|---------------|-------------------|---------------------------|-------------|-----------------------------------|---------------------|-------------------------|-----------------|
| RLC-CU001 | SRN-CU001-023 | Design Dredge Cut | SRC-CU001-FI000023-000006 | 7/16/2009   | Disturbed Residual to 0.1 Inches  | 5.1                 | 8.6                     | 8               |
| RLC-CU001 | SRN-CU001-015 | Design Dredge Cut | SRC-CU001-FI000015-000006 | 7/16/2009   | Disturbed Residual to 0.25 Inches | 9.1                 | 17.6                    | 51              |
| RLC-CU001 | SRN-CU001-024 | Design Dredge Cut | SRC-CU001-FI000024-000006 | 7/16/2009   | Disturbed Residual to 0.25 Inches | 1.5                 | 2.2                     | 22              |
| RLC-CU001 | SRN-CU001-003 | Re-dredge 1       | SRC-CU001-FR000043-000006 | 8/6/2009    | Disturbed Residual to 0.5 Inches  | 8.3                 | 13.3                    | 15              |
| RLC-CU001 | SRN-CU001-010 | Re-dredge 1       | SRC-CU001-FR000050-000006 | 8/6/2009    | Disturbed Residual to 0.5 Inches  | 4.0                 | 6.7                     | 20              |
| RLC-CU001 | SRN-CU001-004 | Re-dredge 1       | SRC-CU001-FR000044-000006 | 8/6/2009    | Disturbed Residual to 0.5 Inches  | 4.1                 | 6.2                     | 18              |
| RLC-CU001 | SRN-CU001-017 | Re-dredge 1       | SRC-CU001-FR000057-000007 | 8/6/2009    | Disturbed Residual to 0.5 Inches  | 4.4                 | 7.6                     | 22              |
| RLC-CU001 | SRN-CU001-041 | Re-dredge 2       | SLC-CU001-SI000001-000006 | 9/22/2009   | Disturbed Residual to 0.5 Inches  | 3.1                 | 5.4                     | 44              |
| RLC-CU001 | SRN-CU001-042 | Re-dredge 2       | SLC-CU001-SI000002-000006 | 9/22/2009   | Disturbed Residual to 0.5 Inches  | 5.5                 | 11.1                    | 32              |
| RLC-CU001 | SRN-CU001-009 | Re-dredge 2       | SRC-CU001-SI000009-000006 | 9/22/2009   | Disturbed Residual to 0.5 Inches  | 7.6                 | 13.3                    | 22              |
| RLC-CU001 | SRN-CU001-010 | Re-dredge 2       | SRC-CU001-SI000010-000006 | 9/11/2009   | Disturbed Residual to 1 Inches    | 3.9                 | 5.8                     | 12              |
| RLC-CU001 | SRN-CU001-014 | Re-dredge 2       | SRC-CU001-SI000014-000006 | 9/22/2009   | Disturbed Residual to 0.25 Inches | 6.2                 | 10.1                    | 21              |
| RLC-CU001 | SRN-CU001-001 | Re-dredge 2       | SRC-CU001-SI000001-000006 | 9/11/2009   | Disturbed Residual to 0.5 Inches  | 3.9                 | 5.6                     | 26              |
| RLC-CU001 | SRN-CU001-004 | Re-dredge 2       | SRC-CU001-SI000004-000006 | 9/11/2009   | Disturbed Residual to 2 Inches    | 4.8                 | 8.5                     | 29              |
| RLC-CU001 | SRN-CU001-036 | Re-dredge 2       | SRC-CU001-SI000036-000006 | 9/18/2009   | Disturbed Residual to 1 Inches    | 10.8                | 19.8                    | 32              |
| RLC-CU001 | SRN-CU001-038 | Re-dredge 2       | SRC-CU001-SI000038-000006 | 9/18/2009   | Disturbed Residual to 1 Inches    | 8.1                 | 14.4                    | 17              |
| RLC-CU001 | SRN-CU001-039 | Re-dredge 2       | SRC-CU001-SI000039-000006 | 9/18/2009   | Disturbed Residual to 1 Inches    | 16.0                | 31.0                    | 54              |
| RLC-CU001 | SRN-CU001-037 | Re-dredge 3       | SRC-CU001-SR000037-000006 | 10/16/2009  | Disturbed Residual to 0.25 Inches | 8.7                 | 15.7                    | 23              |
| RLC-CU001 | SRN-CU001-029 | Re-dredge 3       | SRC-CU001-SR000029-000006 | 10/8/2009   | Disturbed Residual to 1 Inches    | 12.3                | 21.2                    | 18              |
| RLC-CU001 | SRN-CU001-017 | Re-dredge 3       | SRC-CU001-SR000017-000006 | 10/15/2009  | Disturbed Residual to 0.25 Inches | 11.8                | 23.0                    | 52              |
| RLC-CU001 | SRN-CU001-042 | Re-dredge 3       | SLC-CU001-SR000002-000006 | 10/15/2009  | Disturbed Residual to 0.25 Inches | 0.1                 | 0.1                     | 15              |
| RLC-CU001 | SRN-CU001-015 | Re-dredge 3       | SRC-CU001-SR000015-000006 | 10/15/2009  | Disturbed Residual to 0.25 Inches | 8.3                 | 14.2                    | 22              |
| RLC-CU001 | SRN-CU001-007 | Re-dredge 4       | SRC-CU001-TR000007-000006 | 10/27/2009  | Disturbed Residual to 0.25 Inches | 14.7                | 27.0                    | 26              |

**Table 3.2-3b  
Disturbed Residuals Encountered in Certification Unit 02**

| CU ID     | Node ID       | Dredge Pass       | Sample ID                 | Sample Date | Sample Information                | Tri+ PCB (mg/kg) | Total PCB (mg/kg) | Moisture (%) |
|-----------|---------------|-------------------|---------------------------|-------------|-----------------------------------|------------------|-------------------|--------------|
| RLC-CU002 | SRN-CU002-038 | Design Dredge Cut | SRC-CU002-FI000038-000006 | 7/25/2009   | Disturbed Residual to 0.25 Inches | 43.022           | 173.000           | 32.000       |
| RLC-CU002 | SRN-CU002-035 | Design Dredge Cut | SRC-CU002-FI000035-000006 | 7/25/2009   | Disturbed Residual to 0.25 Inches | 19.635           | 81.900            | 32.000       |
| RLC-CU002 | SRN-CU002-040 | Design Dredge Cut | SRC-CU002-FI000040-000006 | 7/25/2009   | Disturbed Residual to 1 Inches    | 26.780           | 63.000            | 28.000       |
| RLC-CU002 | SRN-CU002-031 | Design Dredge Cut | SRC-CU002-FI000031-000006 | 7/25/2009   | Disturbed Residual to 0.25 Inches | 314.405          | 1440.000          | 63.000       |
| RLC-CU002 | SRN-CU002-039 | Design Dredge Cut | SRC-CU002-FI000039-000006 | 7/25/2009   | Disturbed Residual to 0.25 Inches | 50.550           | 110.000           | 21.000       |
| RLC-CU002 | SRN-CU002-034 | Design Dredge Cut | SRC-CU002-FI000034-000006 | 7/25/2009   | Disturbed Residual to 1 Inches    | 20.101           | 85.000            | 29.000       |
| RLC-CU002 | SRN-CU002-026 | Design Dredge Cut | SRC-CU002-FI000026-000006 | 7/27/2009   | Disturbed Residual to 0.25 Inches | 6.989            | 15.300            | 25.000       |
| RLC-CU002 | SRN-CU002-029 | Design Dredge Cut | SRC-CU002-FI000029-000006 | 7/27/2009   | Disturbed Residual to 0.5 Inches  | 18.473           | 53.000            | 33.000       |
| RLC-CU002 | SRN-CU002-042 | Design Dredge Cut | SLC-CU002-FI000002-000006 | 7/28/2009   | Disturbed Residual to 1 Inches    | 17.907           | 65.000            | 46.000       |
| RLC-CU002 | SRN-CU002-043 | Design Dredge Cut | SLC-CU002-FI000003-000006 | 7/28/2009   | Disturbed Residual to 0.25 Inches | 44.051           | 127.100           | 59.000       |
| RLC-CU002 | SRN-CU002-044 | Design Dredge Cut | SLC-CU002-FI000004-000006 | 7/27/2009   | Disturbed Residual to 2 Inches    | 23.376           | 71.000            | 46.000       |
| RLC-CU002 | SRN-CU002-007 | Design Dredge Cut | SRC-CU002-FI000007-000006 | 7/28/2009   | Disturbed Residual to 0.25 Inches | 44.840           | 82.000            | 34.000       |
| RLC-CU002 | SRN-CU002-008 | Design Dredge Cut | SRC-CU002-FI000008-000006 | 7/28/2009   | Disturbed Residual to 0.25 Inches | 58.968           | 174.000           | 24.000       |
| RLC-CU002 | SRN-CU002-010 | Design Dredge Cut | SRC-CU002-FI000010-000006 | 7/28/2009   | Disturbed Residual to 1 Inches    | 11.838           | 43.200            | 31.000       |
| RLC-CU002 | SRN-CU002-011 | Design Dredge Cut | SRC-CU002-FI000011-000006 | 7/28/2009   | Disturbed Residual to 0.5 Inches  | 28.040           | 61.000            | 26.000       |
| RLC-CU002 | SRN-CU002-013 | Design Dredge Cut | SRC-CU002-FI000013-000006 | 7/28/2009   | Disturbed Residual to 0.5 Inches  | 13.222           | 40.500            | 23.000       |
| RLC-CU002 | SRN-CU002-015 | Design Dredge Cut | SRC-CU002-FI000015-000006 | 7/27/2009   | Disturbed Residual to 1 Inches    | 31.107           | 72.000            | 24.000       |
| RLC-CU002 | SRN-CU002-017 | Design Dredge Cut | SRC-CU002-FI000017-000006 | 7/28/2009   | Disturbed Residual to 0.5 Inches  | 8.806            | 16.600            | 20.000       |
| RLC-CU002 | SRN-CU002-018 | Design Dredge Cut | SRC-CU002-FI000018-000006 | 7/28/2009   | Disturbed Residual to 0.25 Inches | 4.688            | 11.000            | 21.000       |
| RLC-CU002 | SRN-CU002-019 | Design Dredge Cut | SRC-CU002-FI000019-000006 | 7/27/2009   | Disturbed Residual to 0.25 Inches | 2.767            | 9.800             | 33.000       |
| RLC-CU002 | SRN-CU002-020 | Design Dredge Cut | SRC-CU002-FI000020-000006 | 7/27/2009   | Disturbed Residual to 0.25 Inches | 12.825           | 30.000            | 29.000       |
| RLC-CU002 | SRN-CU002-024 | Design Dredge Cut | SRC-CU002-FI000024-000006 | 7/27/2009   | Disturbed Residual to 1 Inches    | 6.378            | 12.200            | 27.000       |
| RLC-CU002 | SRN-CU002-025 | Design Dredge Cut | SRC-CU002-FI000025-000006 | 7/27/2009   | Disturbed Residual to 2 Inches    | 23.018           | 58.000            | 38.000       |
| RLC-CU002 | SRN-CU002-022 | Re-dredge 1       | SRC-CU002-SI000022-000006 | 9/4/2009    | Disturbed Residual to 0.25 Inches | 2.438            | 8.900             | 22.000       |
| RLC-CU002 | SRN-CU002-019 | Re-dredge 1       | SRC-CU002-SI000019-000006 | 9/4/2009    | Disturbed Residual to 0.25 Inches | 0.144            | 0.437             | 18.000       |
| RLC-CU002 | SRN-CU002-017 | Re-dredge 1       | SRC-CU002-SI000017-000006 | 9/4/2009    | Disturbed Residual to 0.5 Inches  | 5.331            | 18.300            | 33.000       |
| RLC-CU002 | SRN-CU002-026 | Re-dredge 1       | SRC-CU002-SI000026-000006 | 9/3/2009    | Disturbed Residual to 0.5 Inches  | 11.391           | 25.000            | 24.000       |
| RLC-CU002 | SRN-CU002-034 | Re-dredge 1       | SRC-CU002-SI000034-000006 | 9/3/2009    | Disturbed Residual to 0.25 Inches | 2.779            | 9.400             | 20.000       |
| RLC-CU002 | SRN-CU002-038 | Re-dredge 1       | SRC-CU002-SI000038-000006 | 9/3/2009    | Disturbed Residual to 0.25 Inches | 0.117            | 0.395             | 23.000       |
| RLC-CU002 | SRN-CU002-037 | Re-dredge 1       | SRC-CU002-SI000037-000006 | 9/3/2009    | Disturbed Residual to 1 Inches    | 1.709            | 6.490             | 37.000       |
| RLC-CU002 | SRN-CU002-040 | Re-dredge 1       | SRC-CU002-SI000040-000006 | 9/3/2009    | Disturbed Residual to 1 Inches    | 27.430           | 83.000            | 54.000       |
| RLC-CU002 | SRN-CU002-036 | Re-dredge 1       | SRC-CU002-SI000036-000006 | 9/3/2009    | Disturbed Residual to 0.5 Inches  | 28.168           | 72.000            | 26.000       |
| RLC-CU002 | SRN-CU002-029 | Re-dredge 1       | SRC-CU002-SI000029-000006 | 9/3/2009    | Disturbed Residual to 0.25 Inches | 1.722            | 5.700             | 14.000       |
| RLC-CU002 | SRN-CU002-035 | Re-dredge 1       | SRC-CU002-SI000035-000006 | 9/3/2009    | Disturbed Residual to 0.5 Inches  | 170.076          | 700.000           | 53.000       |
| RLC-CU002 | SRN-CU002-030 | Re-dredge 1       | SRC-CU002-SI000030-000006 | 9/3/2009    | Disturbed Residual to 1 Inches    | 34.711           | 75.000            | 43.000       |
| RLC-CU002 | SRN-CU002-023 | Re-dredge 1       | SRC-CU002-SI000023-000006 | 9/3/2009    | Disturbed Residual to 0.25 Inches | 10.387           | 40.700            | 31.000       |

**Table 3.2-3b  
Disturbed Residuals Encountered in Certification Unit 02**

| CU ID     | Node ID       | Dredge Pass | Sample ID                 | Sample Date | Sample Information                | Tri+ PCB (mg/kg) | Total PCB (mg/kg) | Moisture (%) |
|-----------|---------------|-------------|---------------------------|-------------|-----------------------------------|------------------|-------------------|--------------|
| RLC-CU002 | SRN-CU002-033 | Re-dredge 1 | SRC-CU002-SI000033-000006 | 9/3/2009    | Disturbed Residual to 0.5 Inches  | 2.849            | 8.800             | 27.000       |
| RLC-CU002 | SRN-CU002-015 | Re-dredge 1 | SRC-CU002-SI000015-000006 | 9/5/2009    | Disturbed Residual to 0.25 Inches | 26.618           | 62.000            | 19.000       |
| RLC-CU002 | SRN-CU002-008 | Re-dredge 1 | SRC-CU002-SI000008-000006 | 9/5/2009    | Disturbed Residual to 0.25 Inches | 26.137           | 75.000            | 21.000       |
| RLC-CU002 | SRN-CU002-011 | Re-dredge 1 | SRC-CU002-SI000011-000006 | 9/5/2009    | Disturbed Residual to 0.25 Inches | 2.374            | 7.800             | 22.000       |
| RLC-CU002 | SRN-CU002-016 | Re-dredge 1 | SRC-CU002-SI000016-000006 | 9/5/2009    | Disturbed Residual to 0.25 Inches | 2.243            | 7.800             | 21.000       |
| RLC-CU002 | SRN-CU002-032 | Re-dredge 1 | SRC-CU002-SI000032-000006 | 9/3/2009    | Disturbed Residual to 0.25 Inches | 26.488           | 82.000            | 48.000       |
| RLC-CU002 | SRN-CU002-039 | Re-dredge 1 | SRC-CU002-SI000039-000006 | 9/3/2009    | DISTURBED RESIDUAL                | 36.613           | 113.000           | 34.000       |
| RLC-CU002 | SRN-CU002-031 | Re-dredge 1 | SRC-CU002-SI000031-000006 | 9/3/2009    | Disturbed Residual to 0.5 Inches  | 5.896            | 21.500            | 23.000       |
| RLC-CU002 | SRN-CU002-024 | Re-dredge 1 | SRC-CU002-SI000024-000006 | 9/3/2009    | Disturbed Residual to 0.25 Inches | 22.893           | 92.000            | 30.000       |
| RLC-CU002 | SRN-CU002-034 | Re-dredge 2 | SRC-CU002-FR000034-000005 | 9/25/2009   | Disturbed Residual to 0.25 Inches | 3.044            | 9.800             | 30.000       |
| RLC-CU002 | SRN-CU002-025 | Re-dredge 2 | SRC-CU002-FR000025-000006 | 9/25/2009   | Disturbed Residual to 1 Inches    | 29.201           | 95.000            | 26.000       |
| RLC-CU002 | SRN-CU002-042 | Re-dredge 2 | SLC-CU002-FR000002-000006 | 9/25/2009   | Disturbed Residual to 0.5         | 5.829            | 17.300            | 23.000       |
| RLC-CU002 | SRN-CU002-031 | Re-dredge 2 | SRC-CU002-FR000031-000006 | 9/25/2009   | Disturbed Residual to 1 Inches    | 27.751           | 106.000           | 34.000       |
| RLC-CU002 | SRN-CU002-030 | Re-dredge 2 | SRC-CU002-FR000030-000006 | 9/25/2009   | Disturbed Residual to 1 Inches    | 29.305           | 70.000            | 27.000       |
| RLC-CU002 | SRN-CU002-045 | Re-dredge 2 | SLC-CU002-FR000005-000006 | 9/25/2009   | Disturbed Residual to 0.25 Inches | 5.133            | 11.310            | 26.000       |
| RLC-CU002 | SRN-CU002-020 | Re-dredge 2 | SRC-CU002-FR000020-000001 | 9/24/2009   | Disturbed Residual to 0.25        | 3.500            | 11.618            | 25.500       |
| RLC-CU002 | SRN-CU002-043 | Re-dredge 2 | SLC-CU002-FR000003-000006 | 9/25/2009   | Disturbed Residual to 0.25 Inches | 2.741            | 7.700             | 20.000       |
| RLC-CU002 | SRN-CU002-018 | Re-dredge 2 | SRC-CU002-FR000018-000006 | 9/25/2009   | DISTURBED RESIDUAL                | 2.186            | 6.100             | 20.000       |
| RLC-CU002 | SRN-CU002-017 | Re-dredge 2 | SRC-CU002-FR000017-000006 | 9/25/2009   | Disturbed Residual to 0.5 Inches  | 0.105            | 0.316             | 29.000       |
| RLC-CU002 | SRN-CU002-025 | Re-dredge 3 | SRC-CU002-SR000025-000006 | 10/8/2009   | Disturbed Residual to 1 Inches    | 15.431           | 48.000            | 30.000       |
| RLC-CU002 | SRN-CU002-024 | Re-dredge 3 | SRC-CU002-SR000024-000006 | 10/8/2009   | Disturbed Residual to 1 Inches    | 3.794            | 15.900            | 27.000       |
| RLC-CU002 | SRN-CU002-039 | Re-dredge 3 | SRC-CU002-SR000039-000006 | 10/8/2009   | Disturbed Residual to 2 Inches    | 5.656            | 17.100            | 28.000       |
| RLC-CU002 | SRN-CU002-030 | Re-dredge 3 | SRC-CU002-SR000030-000006 | 10/8/2009   | Disturbed Residual to 1 Inches    | 4.672            | 10.400            | 34.000       |

**Table 3.2-3c  
Disturbed Residuals Encountered in Certification Unit 03**

| CU ID     | Node ID       | Dredge Pass       | Sample ID                 | Sample Date | Sample Information                | Tri+ PCB<br>(mg/kg) | Total<br>PCB<br>(mg/kg) | Moisture<br>(%) |
|-----------|---------------|-------------------|---------------------------|-------------|-----------------------------------|---------------------|-------------------------|-----------------|
| RLC-CU003 | SRN-CU003-024 | Design Dredge Cut | SRC-CU003-FI000024-000006 | 8/13/2009   | Disturbed Residual to 1 Inches    | 1.2                 | 4.2                     | 29              |
| RLC-CU003 | SRN-CU003-042 | Design Dredge Cut | SLC-CU003-FI000002-000006 | 8/17/2009   | Disturbed Residual to 0.25 Inches | 1.0                 | 1.9                     | 30              |
| RLC-CU003 | SRN-CU003-045 | Design Dredge Cut | SLC-CU003-FI000005-000006 | 8/17/2009   | Disturbed Residual to 2 Inches    | 72.6                | 365.0                   | 48              |
| RLC-CU003 | SRN-CU003-045 | Re-dredge 1       | SLC-CU003-SI000005-000006 | 9/20/2009   | Disturbed Residual to 0.25 Inches | 3.6                 | 9.8                     | 22              |
| RLC-CU003 | SRN-CU003-013 | Re-dredge 1       | SRC-CU003-SI000013-000006 | 9/20/2009   | Disturbed Residual to 0.5 Inches  | 28.8                | 92.0                    | 27              |
| RLC-CU003 | SRN-CU003-009 | Re-dredge 1       | SRC-CU003-SI000009-000006 | 9/20/2009   | Disturbed Residual to 0.25 Inches | 0.2                 | 0.7                     | 18              |
| RLC-CU003 | SRN-CU003-011 | Re-dredge 1       | SRC-CU003-SI000011-000006 | 9/20/2009   | Disturbed Residual to 0.5 Inches  | 30.4                | 159.3                   | 39              |
| RLC-CU003 | SRN-CU003-006 | Re-dredge 1       | SRC-CU003-SI000006-000006 | 9/20/2009   | Disturbed Residual to 0.5 Inches  | 28.2                | 68.0                    | 26              |
| RLC-CU003 | SRN-CU003-004 | Re-dredge 1       | SRC-CU003-SI000004-000006 | 9/20/2009   | Disturbed Residual to 0.25 Inches | 0.0                 | 0.1                     | 7               |
| RLC-CU003 | SRN-CU003-003 | Re-dredge 1       | SRC-CU003-SI000003-000006 | 9/20/2009   | Disturbed Residual to 0.25 Inches | 35.9                | 104.0                   | 27              |
| RLC-CU003 | SRN-CU003-005 | Re-dredge 1       | SRC-CU003-SI000005-000006 | 9/20/2009   | Disturbed Residual to 0.5 Inches  | 5.0                 | 14.7                    | 30              |
| RLC-CU003 | SRN-CU003-012 | Re-dredge 1       | SRC-CU003-SI000012-000006 | 9/20/2009   | Disturbed Residual to 1 Inches    | 15.3                | 55.4                    | 40              |
| RLC-CU003 | SRN-CU003-016 | Re-dredge 1       | SRC-CU003-SI000016-000006 | 9/20/2009   | Disturbed Residual to 2 Inches    | 2.1                 | 7.6                     | 28              |
| RLC-CU003 | SRN-CU003-017 | Re-dredge 1       | SRC-CU003-SI000017-000006 | 9/20/2009   | Disturbed Residual to 1 Inches    | 26.3                | 76.0                    | 29              |
| RLC-CU003 | SRN-CU003-021 | Re-dredge 1       | SRC-CU003-SI000021-000006 | 9/20/2009   | Disturbed Residual to 0.5 Inches  | 9.9                 | 32.7                    | 22              |
| RLC-CU003 | SRN-CU003-023 | Re-dredge 1       | SRC-CU003-SI000023-000006 | 9/20/2009   | Disturbed Residual to 1 Inches    | 1.5                 | 6.2                     | 32              |
| RLC-CU003 | SRN-CU003-026 | Re-dredge 1       | SRC-CU003-SI000026-000006 | 9/20/2009   | Disturbed Residual to 0.25 Inches | 5.3                 | 15.0                    | 23              |
| RLC-CU003 | SRN-CU003-027 | Re-dredge 1       | SRC-CU003-SI000027-000006 | 9/20/2009   | Disturbed Residual to 1 Inches    | 3.3                 | 9.7                     | 24              |
| RLC-CU003 | SRN-CU003-034 | Re-dredge 1       | SRC-CU003-SI000034-000006 | 9/19/2009   | Disturbed Residual to 1 Inches    | 13.4                | 51.6                    | 38              |
| RLC-CU003 | SRN-CU003-028 | Re-dredge 1       | SRC-CU003-SI000028-000006 | 9/19/2009   | Disturbed Residual to 1 Inches    | 1.0                 | 4.0                     | 52              |
| RLC-CU003 | SRN-CU003-033 | Re-dredge 1       | SRC-CU003-SI000033-000006 | 9/19/2009   | Disturbed Residual to 0.5 Inches  | 36.2                | 132.0                   | 30              |
| RLC-CU003 | SRN-CU003-038 | Re-dredge 1       | SRC-CU003-SI000038-000006 | 9/19/2009   | Disturbed Residual to 0.25 Inches | 11.3                | 37.6                    | 33              |
| RLC-CU003 | SRN-CU003-040 | Re-dredge 1       | SRC-CU003-SI000040-000006 | 9/19/2009   | Disturbed Residual to 1 Inches    | 1.0                 | 3.6                     | 21              |
| RLC-CU003 | SRN-CU003-013 | Re-dredge 2       | SRC-CU003-FR000013-000006 | 10/8/2009   | Disturbed Residual to 0.25 Inches | 4.7                 | 16.1                    | 27              |
| RLC-CU003 | SRN-CU003-033 | Re-dredge 2       | SRC-CU003-FR000033-000006 | 10/8/2009   | Disturbed Residual to 0.5 Inches  | 0.1                 | 0.4                     | 24              |
| RLC-CU003 | SRN-CU003-012 | Re-dredge 2       | SRC-CU003-FR000012-000006 | 10/8/2009   | Disturbed Residual to 1 Inches    | 1.9                 | 7.2                     | 27              |
| RLC-CU003 | SRN-CU003-021 | Re-dredge 2       | SRC-CU003-FR000021-000006 | 10/8/2009   | Disturbed Residual to 0.25 Inches | 1.8                 | 5.2                     | 25              |
| RLC-CU003 | SRN-CU003-038 | Re-dredge 2       | SRC-CU003-FR000038-000006 | 10/8/2009   | Disturbed Residual to 1 Inches    | 5.6                 | 20.4                    | 30              |

**Table 3.2-3d  
Disturbed Residuals Encountered in Certification Unit 04**

| CU ID     | Node ID       | Dredge Pass       | Sample ID                 | Sample Date | Sample Information                | Tri+ PCB<br>(mg/kg) | Total<br>PCB<br>(mg/kg) | Moisture<br>(%) |
|-----------|---------------|-------------------|---------------------------|-------------|-----------------------------------|---------------------|-------------------------|-----------------|
| RLC-CU004 | SRN-CU004-001 | Design Dredge Cut | SRC-CU004-FI000001-000006 | 9/26/2009   | Disturbed Residual to 0.5 Inches  | 3.0                 | 12.6                    | 49              |
| RLC-CU004 | SRN-CU004-002 | Design Dredge Cut | SRC-CU004-FI000002-000006 | 9/26/2009   | Disturbed Residual to 0.25 Inches | 2.5                 | 8.8                     | 35              |
| RLC-CU004 | SRN-CU004-004 | Design Dredge Cut | SRC-CU004-FI000004-000006 | 9/26/2009   | Disturbed Residual to 0.25 Inches | 2.4                 | 7.8                     | 32              |
| RLC-CU004 | SRN-CU004-006 | Design Dredge Cut | SRC-CU004-FI000006-000006 | 9/26/2009   | Disturbed Residual to 0.5 Inches  | 34.1                | 121.0                   | 58              |
| RLC-CU004 | SRN-CU004-010 | Design Dredge Cut | SRC-CU004-FI000010-000006 | 9/26/2009   | Disturbed Residual to 0.25 Inches | 10.5                | 39.6                    | 37              |
| RLC-CU004 | SRN-CU004-013 | Design Dredge Cut | SRC-CU004-FI000013-000006 | 9/26/2009   | Disturbed Residual to 0.5 Inches  | 48.3                | 223.0                   | 33              |
| RLC-CU004 | SRN-CU004-014 | Design Dredge Cut | SRC-CU004-FI000014-000006 | 9/26/2009   | Disturbed Residual to 1 Inches    | 4.3                 | 20.8                    | 26              |
| RLC-CU004 | SRN-CU004-015 | Design Dredge Cut | SRC-CU004-FI000015-000006 | 9/26/2009   | Disturbed Residual to 0.5 Inches  | 5.8                 | 16.6                    | 36              |
| RLC-CU004 | SRN-CU004-041 | Design Dredge Cut | SLC-CU004-FI000001-000006 | 9/28/2009   | Disturbed Residual to 1 Inches    | 3.6                 | 9.2                     | 23              |
| RLC-CU004 | SRN-CU004-016 | Design Dredge Cut | SRC-CU004-FI000016-000006 | 9/28/2009   | Disturbed Residual to 0.5 Inches  | 1.2                 | 3.1                     | 28              |
| RLC-CU004 | SRN-CU004-021 | Design Dredge Cut | SRC-CU004-FI000021-000006 | 9/28/2009   | Disturbed Residual to 0.25 Inches | 0.5                 | 1.4                     | 21              |
| RLC-CU004 | SRN-CU004-027 | Design Dredge Cut | SRC-CU004-FI000027-000006 | 9/27/2009   | Disturbed Residual to 1 Inches    | 6.3                 | 23.1                    | 22              |
| RLC-CU004 | SRN-CU004-028 | Design Dredge Cut | SRC-CU004-FI000028-000006 | 9/27/2009   | Disturbed Residual to 0.5 Inches  | 0.5                 | 1.3                     | 18              |
| RLC-CU004 | SRN-CU004-031 | Design Dredge Cut | SRC-CU004-FI000031-000006 | 9/27/2009   | Disturbed Residual to 0.5 Inches  | 2.2                 | 5.9                     | 12              |
| RLC-CU004 | SRN-CU004-032 | Design Dredge Cut | SRC-CU004-FI000032-000006 | 9/27/2009   | Disturbed Residual to 1 Inches    | 39.9                | 197.0                   | 52              |
| RLC-CU004 | SRN-CU004-033 | Design Dredge Cut | SRC-CU004-FI000033-000006 | 9/27/2009   | Disturbed Residual to 1 Inches    | 39.1                | 97.0                    | 32              |
| RLC-CU004 | SRN-CU004-034 | Design Dredge Cut | SRC-CU004-FI000034-000006 | 9/27/2009   | Disturbed Residual to 2 Inches    | 58.2                | 285.0                   | 57              |
| RLC-CU004 | SRN-CU004-035 | Design Dredge Cut | SRC-CU004-FI000035-000006 | 9/27/2009   | Disturbed Residual to 1 Inches    | 57.6                | 126.0                   | 27              |
| RLC-CU004 | SRN-CU004-037 | Design Dredge Cut | SRC-CU004-FI000037-000006 | 9/27/2009   | Disturbed Residual to 1 Inches    | 39.0                | 179.0                   | 45              |
| RLC-CU004 | SRN-CU004-038 | Design Dredge Cut | SRC-CU004-FI000038-000006 | 9/27/2009   | Disturbed Residual to 1 Inches    | 6.1                 | 16.1                    | 29              |
| RLC-CU004 | SRN-CU004-040 | Design Dredge Cut | SRC-CU004-FI000040-000006 | 9/27/2009   | Disturbed Residual to 0.5 Inches  | 4.0                 | 7.8                     | 26              |
| RLC-CU004 | SRN-CU004-028 | Re-dredge 1       | SRC-CU004-SI000028-000006 | 10/21/2009  | Disturbed Residual to 0.25 Inches | 35.4                | 97.4                    | 50              |
| RLC-CU004 | SRN-CU004-021 | Re-dredge 1       | SRC-CU004-SI000021-000006 | 10/21/2009  | Disturbed Residual to 0.25 Inches | 0.2                 | 0.6                     | 21              |
| RLC-CU004 | SRN-CU004-029 | Re-dredge 1       | SRC-CU004-SI000029-000006 | 10/21/2009  | Disturbed Residual to 0.25 Inches | 0.1                 | 0.6                     | 20              |
| RLC-CU004 | SRN-CU004-016 | Re-dredge 1       | SRC-CU004-SI000016-000006 | 10/14/2009  | Disturbed Residual to 0.25 Inches | 0.1                 | 0.2                     | 17              |
| RLC-CU004 | SRN-CU004-014 | Re-dredge 1       | SRC-CU004-SI000014-000006 | 10/14/2009  | Disturbed Residual to 0.25 Inches | 0.1                 | 0.2                     | 19              |
| RLC-CU004 | SRN-CU004-001 | Re-dredge 1       | SRC-CU004-SI000001-000006 | 10/14/2009  | Disturbed Residual to 0.5 Inches  | 1.2                 | 5.3                     | 19              |
| RLC-CU004 | SRN-CU004-011 | Re-dredge 1       | SRC-CU004-SI000011-000006 | 10/14/2009  | Disturbed Residual to 0.5 Inches  | 1.1                 | 3.7                     | 34              |
| RLC-CU004 | SRN-CU004-041 | Re-dredge 1       | SLC-CU004-SI000001-000006 | 10/21/2009  | Disturbed Residual to 0.5 Inches  | 1.3                 | 3.6                     | 11              |
| RLC-CU004 | SRN-CU004-031 | Re-dredge 1       | SRC-CU004-SI000031-000006 | 10/21/2009  | Disturbed Residual to 0.5 Inches  | 5.2                 | 13.7                    | 23              |
| RLC-CU004 | SRN-CU004-037 | Re-dredge 1       | SRC-CU004-SI000037-000006 | 10/21/2009  | Disturbed Residual to 0.25 Inches | 17.1                | 73.0                    | 31              |
| RLC-CU004 | SRN-CU004-038 | Re-dredge 1       | SRC-CU004-SI000038-000006 | 10/21/2009  | Disturbed Residual to 0.5 Inches  | 1.4                 | 4.4                     | 15              |
| RLC-CU004 | SRN-CU004-039 | Re-dredge 1       | SRC-CU004-SI000039-000006 | 10/21/2009  | Disturbed Residual to 0.5 Inches  | 0.3                 | 1.1                     | 23              |
| RLC-CU004 | SRN-CU004-032 | Re-dredge 2       | SRC-CU004-FR000032-000006 | 10/28/2009  | Disturbed Residual to 0.25 Inches | 1.3                 | 5.1                     | 32              |
| RLC-CU004 | SRN-CU004-010 | Re-dredge 2       | SRC-CU004-FR000010-000006 | 10/28/2009  | Disturbed Residual to 0.25 Inches | 13.8                | 49.2                    | 34              |

**Table 3.2-3e  
Disturbed Residuals Encountered in Certification Unit 05**

| CU ID     | Node ID       | Dredge Pass       | Sample ID                 | Sample Date | Sample Information                | Tri+ PCB<br>(mg/kg) | Total<br>PCB<br>(mg/kg) | Moisture<br>(%) |
|-----------|---------------|-------------------|---------------------------|-------------|-----------------------------------|---------------------|-------------------------|-----------------|
| RLC-CU005 | SRN-CU005-025 | Design Dredge Cut | SRC-CU005-FI000025-000006 | 7/22/2009   | Disturbed Residual to 0.25 Inches | 6.6                 | 11.4                    | 26              |
| RLC-CU005 | SRN-CU005-007 | Design Dredge Cut | SRC-CU005-FI000007-000006 | 7/23/2009   | Disturbed Residual to 0.25 Inches | 6.4                 | 9.0                     | 11              |
| RLC-CU005 | SRN-CU005-014 | Design Dredge Cut | SRC-CU005-FI000014-000006 | 7/23/2009   | Disturbed Residual to 0.25 Inches | 0.1                 | 0.1                     | 11              |
| RLC-CU005 | SRN-CU005-017 | Re-dredge 1       | SRC-CU005-SI000017-000006 | 8/29/2009   | Disturbed Residual to 0.25 Inches | 3.7                 | 7.8                     | 22              |
| RLC-CU005 | SRN-CU005-011 | Re-dredge 1       | SRC-CU005-SI000011-000006 | 8/29/2009   | Disturbed Residual to 1 Inches    | 26.3                | 65.0                    | 42              |
| RLC-CU005 | SRN-CU005-009 | Re-dredge 1       | SRC-CU005-SI000009-000006 | 8/29/2009   | Disturbed Residual to 0.5 Inches  | 2.5                 | 5.9                     | 19              |
| RLC-CU005 | SRN-CU005-007 | Re-dredge 1       | SRC-CU005-SI000007-000006 | 8/29/2009   | Disturbed Residual to 0.25 Inches | 0.6                 | 0.9                     | 20              |
| RLC-CU005 | SRN-CU005-022 | Re-dredge 2       | SRC-CU005-FR000022-000006 | 9/14/2009   | Disturbed Residual to 0.25 Inches | 2.7                 | 4.6                     | 14              |
| RLC-CU005 | SRN-CU005-005 | Re-dredge 2       | SRC-CU005-FR000005-000006 | 9/14/2009   | Disturbed Residual to 2 Inches    | 15.3                | 47.0                    | 39              |
| RLC-CU005 | SRN-CU005-017 | Re-dredge 2       | SRC-CU005-FR000017-000006 | 9/14/2009   | Disturbed Residual to 0.25 Inches | 0.5                 | 1.0                     | 18              |
| RLC-CU005 | SRN-CU005-021 | Re-dredge 2       | SRC-CU005-FR000021-000006 | 9/14/2009   | Disturbed Residual to 1 Inches    | 17.1                | 33.0                    | 14              |
| RLC-CU005 | SRN-CU005-011 | Re-dredge 2       | SRC-CU005-FR000011-000006 | 9/14/2009   | Disturbed Residual to 0.5 Inches  | 17.5                | 36.0                    | 14              |
| RLC-CU005 | SRN-CU005-016 | Re-dredge 2       | SRC-CU005-FR000016-000006 | 9/14/2009   | Disturbed Residual to 0.25 Inches | 1.8                 | 4.2                     | 8               |

**Table 3.2-3f  
Disturbed Residuals Encountered in Certification Unit 06**

| CU ID     | Node ID       | Dredge Pass       | Sample ID                 | Sample Date | Sample Information                | Tri+ PCB<br>(mg/kg) | Total<br>PCB<br>(mg/kg) | Moisture<br>(%) |
|-----------|---------------|-------------------|---------------------------|-------------|-----------------------------------|---------------------|-------------------------|-----------------|
| RLC-CU006 | SRN-CU006-015 | Design Dredge Cut | SRC-CU006-FI000015-000005 | 7/30/2009   | Disturbed Residual to 0.5 Inches  | 5.8                 | 16.5                    | 18              |
| RLC-CU006 | SRN-CU006-019 | Design Dredge Cut | SRC-CU006-FI000019-000006 | 7/30/2009   | Disturbed Residual to 1 Inches    | 6.0                 | 9.8                     | 19              |
| RLC-CU006 | SRN-CU006-028 | Design Dredge Cut | SRC-CU006-FI000028-000006 | 7/30/2009   | Disturbed Residual to 0.25 Inches | 8.2                 | 14.1                    | 16              |
| RLC-CU006 | SRN-CU006-016 | Design Dredge Cut | SRC-CU006-FI000016-000006 | 7/30/2009   | Disturbed Residual to 0.25 Inches | 86.2                | 219.0                   | 22              |
| RLC-CU006 | SRN-CU006-032 | Design Dredge Cut | SRC-CU006-FI000032-000006 | 7/30/2009   | Disturbed Residual to 0.25 Inches | 2.7                 | 4.6                     | 17              |
| RLC-CU006 | SRN-CU006-036 | Design Dredge Cut | SRC-CU006-FI000036-000006 | 7/30/2009   | Disturbed Residual to 1 Inches    | 12.1                | 19.6                    | 35              |
| RLC-CU006 | SRN-CU006-027 | Design Dredge Cut | SRC-CU006-FI000027-000006 | 7/30/2009   | Disturbed Residual to 0.25 Inches | 2.1                 | 4.2                     | 16              |
| RLC-CU006 | SRN-CU006-004 | Design Dredge Cut | SRC-CU006-FI000004-000006 | 7/29/2009   | Disturbed Residual to 0.25 Inches | 2.4                 | 3.5                     | 17              |
| RLC-CU006 | SRN-CU006-007 | Design Dredge Cut | SRC-CU006-FI000007-000007 | 7/29/2009   | Disturbed Residual to 0.25 Inches | 0.1                 | 0.1                     | 16              |
| RLC-CU006 | SRN-CU006-009 | Design Dredge Cut | SRC-CU006-FI000009-000006 | 7/29/2009   | Disturbed Residual to 0.5 Inches  | 0.4                 | 0.7                     | 14              |
| RLC-CU006 | SRN-CU006-030 | Design Dredge Cut | SRC-CU006-FI000030-000006 | 7/30/2009   | Disturbed Residual to 1 Inches    | 4.8                 | 11.2                    | 18              |
| RLC-CU006 | SRN-CU006-034 | Design Dredge Cut | SRC-CU006-FI000034-000006 | 7/30/2009   | Disturbed Residual to 0.25 Inches | 3.1                 | 5.0                     | 14              |
| RLC-CU006 | SRN-CU006-039 | Design Dredge Cut | SRC-CU006-FI000039-000006 | 7/30/2009   | Disturbed Residual to 0.25 Inches | 0.0                 | 0.1                     | 17              |
| RLC-CU006 | SRN-CU006-023 | Re-dredge 1       | SRC-CU006-SI000023-000006 | 9/9/2009    | Disturbed Residual to 0.25 Inches | 11.7                | 22.0                    | 17              |
| RLC-CU006 | SRN-CU006-016 | Re-dredge 1       | SRC-CU006-SI000016-000006 | 9/9/2009    | Disturbed Residual to 0.25        | 39.4                | 107.0                   | 25              |
| RLC-CU006 | SRN-CU006-029 | Re-dredge 1       | SRC-CU006-SI000029-000006 | 9/9/2009    | Disturbed Residual to 0.25 Inches | 0.3                 | 0.8                     | 34              |
| RLC-CU006 | SRN-CU006-024 | Re-dredge 1       | SRC-CU006-SI000024-000006 | 9/9/2009    | Disturbed Residual to 0.5 Inches  | 5.5                 | 13.0                    | 16              |
| RLC-CU006 | SRN-CU006-028 | Re-dredge 1       | SRC-CU006-SI000028-000003 | 9/9/2009    | Disturbed Residual to 0.25 Inches | 0.3                 | 0.5                     | 22              |
| RLC-CU006 | SRN-CU006-035 | Re-dredge 1       | SRC-CU006-SI000035-000006 | 9/9/2009    | Disturbed Residual to 0.5 Inches  | 8.1                 | 16.2                    | 21              |

**Table 3.2-3g  
Disturbed Residuals Encountered in Certification Unit 07**

| CU ID     | Node ID       | Dredge Pass | Sample ID                 | Sample Date | Sample Information                | Tri+ PCB (mg/kg) | Total PCB (mg/kg) | Moisture (%) |
|-----------|---------------|-------------|---------------------------|-------------|-----------------------------------|------------------|-------------------|--------------|
| RLC-CU007 | SRN-CU007-039 | Re-dredge 1 | SRC-CU007-SI000039-000006 | 9/15/2009   | Disturbed Residual to 0.25 Inches | 1.2              | 4.0               | 22           |
| RLC-CU007 | SRN-CU007-036 | Re-dredge 1 | SRC-CU007-SI000036-000006 | 9/15/2009   | Disturbed Residual to 0.5 Inches  | 6.6              | 11.9              | 20           |
| RLC-CU007 | SRN-CU007-016 | Re-dredge 1 | SRC-CU007-SI000016-000006 | 9/15/2009   | Disturbed Residual to 2 IN        | 49.9             | 147.0             | 31           |
| RLC-CU007 | SRN-CU007-013 | Re-dredge 1 | SRC-CU007-SI000013-000004 | 9/15/2009   | Disturbed Residual to 2 Inches    | 10.6             | 22.9              | 31           |
| RLC-CU007 | SRN-CU007-022 | Re-dredge 1 | SRC-CU007-SI000022-000006 | 9/15/2009   | Disturbed Residual to 1 Inches    | 25.0             | 61.0              | 26           |
| RLC-CU007 | SRN-CU007-025 | Re-dredge 1 | SRC-CU007-SI000025-000004 | 9/15/2009   | Disturbed Residual to 0.5 Inches  | 15.4             | 32.0              | 26           |
| RLC-CU007 | SRN-CU007-017 | Re-dredge 1 | SRC-CU007-SI000017-000003 | 9/15/2009   | Disturbed Residual to 1 Inches    | 8.7              | 21.9              | 42           |
| RLC-CU007 | SRN-CU007-040 | Re-dredge 1 | SRC-CU007-SI000040-000006 | 9/15/2009   | Disturbed Residual to 0.25 Inches | 14.9             | 63.4              | 32           |
| RLC-CU007 | SRN-CU007-028 | Re-dredge 1 | SRC-CU007-SI000028-000006 | 9/15/2009   | Disturbed Residual to 0.25 Inches | 0.2              | 0.3               | 20           |
| RLC-CU007 | SRN-CU007-038 | Re-dredge 1 | SRC-CU007-SI000038-000006 | 9/15/2009   | Disturbed Residual to 0.5 Inches  | 0.5              | 1.3               | 38           |
| RLC-CU007 | SRN-CU007-018 | Re-dredge 1 | SRC-CU007-SI000018-000006 | 9/15/2009   | Disturbed Residual to 1 Inches    | 9.9              | 23.4              | 22           |
| RLC-CU007 | SRN-CU007-008 | Re-dredge 1 | SRC-CU007-SI000008-000006 | 9/16/2009   | Disturbed Residual to 1 Inches    | 54.3             | 194.0             | 41           |
| RLC-CU007 | SRN-CU007-010 | Re-dredge 1 | SRC-CU007-SI000010-000006 | 9/16/2009   | Disturbed Residual to 0.5 Inches  | 11.6             | 28.7              | 47           |
| RLC-CU007 | SRN-CU007-001 | Re-dredge 1 | SRC-CU007-SI000001-000006 | 9/16/2009   | Disturbed Residual to 0.25 Inches | 3.6              | 6.8               | 20           |
| RLC-CU007 | SRN-CU007-003 | Re-dredge 1 | SRC-CU007-SI000003-000006 | 9/16/2009   | Disturbed Residual to 1 Inches    | 41.5             | 138.0             | 39           |
| RLC-CU007 | SRN-CU007-005 | Re-dredge 1 | SRC-CU007-SI000005-000006 | 9/16/2009   | Disturbed Residual to 0.5 Inches  | 7.6              | 26.8              | 26           |
| RLC-CU007 | SRN-CU007-034 | Re-dredge 1 | SRC-CU007-SI000034-000006 | 9/16/2009   | Disturbed Residual to 0.5 Inches  | 22.1             | 57.0              | 21           |
| RLC-CU007 | SRN-CU007-006 | Re-dredge 1 | SRC-CU007-SI000006-000004 | 9/16/2009   | Disturbed Residual to 0.5 Inches  | 29.4             | 62.0              | 23           |
| RLC-CU007 | SRN-CU007-042 | Re-dredge 1 | SLC-CU007-SI000002-000006 | 9/16/2009   | Disturbed Residual to 0.25 Inches | 93.0             | 356.0             | 27           |
| RLC-CU007 | SRN-CU007-033 | Re-dredge 2 | SRC-CU007-FR000033-000006 | 10/11/2009  | Disturbed Residual to 0.25 Inches | 1.0              | 3.2               | 18           |
| RLC-CU007 | SRN-CU007-040 | Re-dredge 2 | SRC-CU007-FR000040-000006 | 10/11/2009  | Disturbed Residual to 0.25 Inches | 0.4              | 1.2               | 22           |
| RLC-CU007 | SRN-CU007-038 | Re-dredge 2 | SRC-CU007-FR000038-000006 | 10/10/2009  | Disturbed Residual to 0.25 Inches | 1.2              | 2.9               | 19           |
| RLC-CU007 | SRN-CU007-042 | Re-dredge 2 | SLC-CU007-FR000002-000006 | 10/10/2009  | Disturbed Residual to 0.25 Inches | 564.9            | 2640.0            | 65           |
| RLC-CU007 | SRN-CU007-009 | Re-dredge 2 | SRC-CU007-FR000009-000006 | 10/10/2009  | Disturbed Residual to 0.5 Inches  | 13.2             | 33.0              | 19           |
| RLC-CU007 | SRN-CU007-017 | Re-dredge 2 | SRC-CU007-FR000017-000002 | 10/11/2009  | Disturbed Residual to 1 Inches    | 11.4             | 36.6              | 43           |

**Table 3.2-3h  
Disturbed Residuals Encountered in Certification Unit 08**

| CU ID     | Node ID       | Dredge Pass       | Sample ID                 | Sample Date | Sample Information                | Tri+ PCB<br>(mg/kg) | Total<br>PCB<br>(mg/kg) | Moisture<br>(%) |
|-----------|---------------|-------------------|---------------------------|-------------|-----------------------------------|---------------------|-------------------------|-----------------|
| RLC-CU008 | SRN-CU008-021 | Design Dredge Cut | SRC-CU008-FI000021-000006 | 8/14/2009   | Disturbed Residual to 0.25 Inches | 0.9                 | 1.7                     | 17              |
| RLC-CU008 | SRN-CU008-023 | Design Dredge Cut | SRC-CU008-FI000023-000002 | 8/14/2009   | Disturbed Residual to 0.25 Inches | 8.4                 | 13.0                    | 14              |
| RLC-CU008 | SRN-CU008-025 | Design Dredge Cut | SRC-CU008-FI000025-000003 | 8/14/2009   | Disturbed Residual to 0.25 Inches | 17.4                | 35.0                    | 22              |
| RLC-CU008 | SRN-CU008-028 | Design Dredge Cut | SRC-CU008-FI000028-000006 | 8/14/2009   | Disturbed Residual to 0.25 Inches | 6.9                 | 12.4                    | 19              |
| RLC-CU008 | SRN-CU008-029 | Design Dredge Cut | SRC-CU008-FI000029-000006 | 8/14/2009   | Disturbed Residual to 0.5 Inches  | 12.4                | 22.0                    | 22              |
| RLC-CU008 | SRN-CU008-044 | Design Dredge Cut | SLC-CU008-FI000004-000006 | 9/4/2009    | Disturbed Residual to 0.25 Inches | 25.1                | 46.0                    | 20              |
| RLC-CU008 | SRN-CU008-045 | Design Dredge Cut | SLC-CU008-FI000005-000006 | 9/4/2009    | Disturbed Residual to 0.25 Inches | 30.4                | 81.0                    | 29              |
| RLC-CU008 | SRN-CU008-046 | Design Dredge Cut | SLC-CU008-FI000006-000006 | 9/4/2009    | Disturbed Residual to 0.25 Inches | 34.0                | 70.0                    | 34              |
| RLC-CU008 | SRN-CU008-049 | Design Dredge Cut | SLC-CU008-FI000009-000005 | 9/4/2009    | Disturbed Residual to 0.25 Inches | 10.1                | 16.4                    | 23              |
| RLC-CU008 | SRN-CU008-001 | Design Dredge Cut | SRC-CU008-FI000001-000006 | 9/4/2009    | Disturbed Residual to 0.5 Inches  | 99.0                | 369.0                   | 60              |
| RLC-CU008 | SRN-CU008-052 | Design Dredge Cut | SLC-CU008-FI000012-000006 | 9/4/2009    | Disturbed Residual to 0.25 Inches | 4.4                 | 8.7                     | 21              |
| RLC-CU008 | SRN-CU008-008 | Design Dredge Cut | SRC-CU008-FI000008-000006 | 9/4/2009    | Disturbed Residual to 0.25 Inches | 28.8                | 81.0                    | 24              |
| RLC-CU008 | SRN-CU008-006 | Design Dredge Cut | SRC-CU008-FI000006-000006 | 8/18/2009   | Disturbed Residual to 1 Inches    | 32.7                | 85.0                    | 28              |
| RLC-CU008 | SRN-CU008-012 | Design Dredge Cut | SRC-CU008-FI000012-000006 | 8/18/2009   | Disturbed Residual to 0.5 Inches  | 0.8                 | 1.7                     | 22              |
| RLC-CU008 | SRN-CU008-026 | Design Dredge Cut | SRC-CU008-FI000026-000006 | 8/21/2009   | Disturbed Residual to 1 Inches    | 27.0                | 70.0                    | 24              |
| RLC-CU008 | SRN-CU008-031 | Design Dredge Cut | SRC-CU008-FI000031-000006 | 8/21/2009   | Disturbed Residual to 2 Inches    | 7.2                 | 21.3                    | 41              |
| RLC-CU008 | SRN-CU008-037 | Design Dredge Cut | SRC-CU008-FI000037-000006 | 8/21/2009   | Disturbed Residual to 0.25 Inches | 6.2                 | 10.8                    | 19              |
| RLC-CU008 | SRN-CU008-038 | Design Dredge Cut | SRC-CU008-FI000038-000006 | 8/21/2009   | Disturbed Residual to 0.25 Inches | 1.1                 | 2.9                     | 18              |
| RLC-CU008 | SRN-CU008-039 | Design Dredge Cut | SRC-CU008-FI000039-000006 | 8/21/2009   | Disturbed Residual to 1 Inches    | 6.7                 | 26.6                    | 47              |
| RLC-CU008 | SRN-CU008-058 | Design Dredge Cut | SLC-CU008-FI000018-000006 | 8/21/2009   | Disturbed Residual to 1 Inches    | 2.8                 | 6.8                     | 38              |
| RLC-CU008 | SRN-CU008-005 | Re-dredge 1       | SRC-CU008-SI000005-000006 | 9/21/2009   | Disturbed Residual to 1 Inches    | 31.3                | 73.0                    | 42              |
| RLC-CU008 | SRN-CU008-013 | Re-dredge 1       | SRC-CU008-SI000013-000006 | 9/21/2009   | Disturbed Residual to 1 Inches    | 12.7                | 29.0                    | 31              |
| RLC-CU008 | SRN-CU008-039 | Re-dredge 1       | SRC-CU008-SI000039-000006 | 9/19/2009   | Disturbed Residual to 1 Inches    | 2.4                 | 9.8                     | 35              |
| RLC-CU008 | SRN-CU008-040 | Re-dredge 1       | SRC-CU008-SI000040-000006 | 9/19/2009   | Disturbed Residual to 0.25 Inches | 30.5                | 91.0                    | 58              |
| RLC-CU008 | SRN-CU008-032 | Re-dredge 1       | SRC-CU008-SI000032-000006 | 9/19/2009   | Disturbed Residual to 0.5 Inches  | 25.5                | 70.0                    | 38              |
| RLC-CU008 | SRN-CU008-029 | Re-dredge 2       | SRC-CU008-FR000029-000006 | 10/10/2009  | Disturbed Residual to 0.25 Inches | 18.1                | 40.0                    | 24              |
| RLC-CU008 | SRN-CU008-040 | Re-dredge 2       | SRC-CU008-FR000040-000006 | 10/13/2009  | Disturbed Residual to 0.25 Inches | 0.7                 | 2.1                     | 19              |
| RLC-CU008 | SRN-CU008-045 | Re-dredge 2       | SLC-CU008-FR000005-000006 | 10/12/2009  | Disturbed Residual to 0.25 Inches | 84.5                | 202.0                   | 27              |
| RLC-CU008 | SRN-CU008-042 | Re-dredge 2       | SLC-CU008-FR000002-000006 | 10/12/2009  | Disturbed Residual to 0.25 Inches | 128.9               | 478.0                   | 33              |
| RLC-CU008 | SRN-CU008-043 | Re-dredge 3       | SLC-CU008-SR000003-000006 | 10/24/2009  | Disturbed Residual to 0.25 Inches | 1.0                 | 3.3                     | 37              |
| RLC-CU008 | SRN-CU008-041 | Re-dredge 3       | SLC-CU008-SR000001-000006 | 10/24/2009  | Disturbed Residual to 0.5 Inches  | 98.7                | 209.0                   | 34              |

**Table 3.2-3i**  
**Disturbed Residuals Encountered in Certification Unit 17**

| CU ID     | Node ID       | Dredge Pass       | Sample ID                 | Sample Date | Sample Information                | Tri+ PCB (mg/kg) | Total PCB (mg/kg) | Moisture (%) |
|-----------|---------------|-------------------|---------------------------|-------------|-----------------------------------|------------------|-------------------|--------------|
| RLC-CU017 | SRN-CU017-001 | Design Dredge Cut | SRC-CU017-FI000001-000008 | 7/10/2009   | Disturbed Residual to 0 Inches    | 0.2              | 0.5               | 15           |
| RLC-CU017 | SRN-CU017-013 | Design Dredge Cut | SRC-CU017-FI000013-000006 | 7/13/2009   | Disturbed Residual to 0.25 Inches | 0.0              | 0.0               | 21           |
| RLC-CU017 | SRN-CU017-018 | Design Dredge Cut | SRC-CU017-FI000018-000006 | 7/13/2009   | Disturbed Residual to 0.25 Inches | 1.9              | 5.2               | 21           |
| RLC-CU017 | SRN-CU017-023 | Design Dredge Cut | SRC-CU017-FI000023-000006 | 7/13/2009   | Disturbed Residual to 0.25 Inches | 3.4              | 7.2               | 24           |
| RLC-CU017 | SRN-CU017-026 | Design Dredge Cut | SRC-CU017-FI000026-000006 | 7/13/2009   | Disturbed Residual to 0.25 Inches | 0.1              | 0.2               | 19           |
| RLC-CU017 | SRN-CU017-029 | Design Dredge Cut | SRC-CU017-FI000029-000006 | 7/13/2009   | Disturbed Residual to 0.25 Inches | 4.7              | 23.6              | 21           |
| RLC-CU017 | SRN-CU017-032 | Design Dredge Cut | SRC-CU017-FI000032-000006 | 7/13/2009   | Disturbed Residual to 0.25 Inches | 0.1              | 0.2               | 18           |
| RLC-CU017 | SRN-CU017-002 | Design Dredge Cut | SRC-CU017-FI000002-000006 | 7/24/2009   | Disturbed Residual to 2 Inches    | 45.8             | 151.0             | 52           |
| RLC-CU017 | SRN-CU017-004 | Design Dredge Cut | SRC-CU017-FI000004-000006 | 7/24/2009   | Disturbed Residual to 2 Inches    | 132.9            | 566.0             | 55           |
| RLC-CU017 | SRN-CU017-009 | Design Dredge Cut | SRC-CU017-FI000009-000006 | 7/24/2009   | Disturbed Residual to 3 Inches    | 0.2              | 0.4               | 47           |
| RLC-CU017 | SRN-CU017-015 | Design Dredge Cut | SRC-CU017-FI000015-000006 | 7/24/2009   | Disturbed Residual to 0.5 Inches  | 109.8            | 364.0             | 70           |
| RLC-CU017 | SRN-CU017-019 | Design Dredge Cut | SRC-CU017-FI000019-000006 | 7/24/2009   | Disturbed Residual to 0.25 Inches | 0.9              | 3.2               | 21           |
| RLC-CU017 | SRN-CU017-020 | Design Dredge Cut | SRC-CU017-FI000020-000006 | 7/24/2009   | Disturbed Residual to 3 Inches    | 91.3             | 369.0             | 62           |
| RLC-CU017 | SRN-CU017-024 | Design Dredge Cut | SRC-CU017-FI000024-000006 | 7/24/2009   | Disturbed Residual to 2 Inches    | 8.2              | 31.5              | 35           |
| RLC-CU017 | SRN-CU017-025 | Design Dredge Cut | SRC-CU017-FI000025-000006 | 7/24/2009   | Disturbed Residual to 3 Inches    | 89.8             | 317.0             | 64           |
| RLC-CU017 | SRN-CU017-027 | Design Dredge Cut | SRC-CU017-FI000027-000006 | 7/24/2009   | Disturbed Residual to 3 Inches    | 193.4            | 977.0             | 65           |
| RLC-CU017 | SRN-CU017-030 | Design Dredge Cut | SRC-CU017-FI000030-000006 | 7/24/2009   | Disturbed Residual to 1 Inches    | 13.1             | 48.7              | 28           |
| RLC-CU017 | SRN-CU017-033 | Design Dredge Cut | SRC-CU017-FI000033-000006 | 7/24/2009   | Disturbed Residual to 2 Inches    | 28.1             | 107.0             | 39           |
| RLC-CU017 | SRN-CU017-036 | Design Dredge Cut | SRC-CU017-FI000036-000006 | 7/24/2009   | Disturbed Residual to 3 Inches    | 14.9             | 68.5              | 29           |
| RLC-CU017 | SRN-CU017-038 | Design Dredge Cut | SRC-CU017-FI000038-000006 | 7/24/2009   | Disturbed Residual to 1 Inches    | 20.8             | 97.8              | 50           |
| RLC-CU017 | SRN-CU017-039 | Design Dredge Cut | SRC-CU017-FI000039-000006 | 7/24/2009   | Disturbed Residual to 0.25 Inches | 0.3              | 0.9               | 14           |
| RLC-CU017 | SRN-CU017-034 | Re-dredge 1       | SRC-CU017-SI000049-000006 | 8/28/2009   | Disturbed Residual to 1 Inches    | 8.2              | 31.6              | 61           |
| RLC-CU017 | SRN-CU017-036 | Re-dredge 1       | SRC-CU017-SI000050-000006 | 8/28/2009   | Disturbed Residual to 1 Inches    | 0.5              | 1.7               | 22           |
| RLC-CU017 | SRN-CU017-027 | Re-dredge 1       | SRC-CU017-SI000046-000006 | 8/28/2009   | Disturbed Residual to 1 Inches    | 0.1              | 0.2               | 63           |
| RLC-CU017 | SRN-CU017-038 | Re-dredge 1       | SRC-CU017-SI000051-000006 | 8/28/2009   | Disturbed Residual to 2 Inches    | 0.8              | 3.1               | 30           |
| RLC-CU017 | SRN-CU017-033 | Re-dredge 1       | SRC-CU017-SI000048-000006 | 8/28/2009   | Disturbed Residual to 1 Inches    | 11.5             | 38.6              | 26           |
| RLC-CU017 | SRN-CU017-020 | Re-dredge 1       | SRC-CU017-SI000044-000006 | 8/28/2009   | Disturbed Residual to 1 Inches    | 1.5              | 6.3               | 59           |
| RLC-CU017 | SRN-CU017-015 | Re-dredge 1       | SRC-CU017-SI000043-000006 | 8/28/2009   | Disturbed Residual to 3 Inches    | 0.9              | 3.2               | 63           |
| RLC-CU017 | SRN-CU017-002 | Re-dredge 1       | SRC-CU017-SI000041-000006 | 8/28/2009   | Disturbed Residual to 1 Inches    | 105.1            | 418.0             | 62           |
| RLC-CU017 | SRN-CU017-034 | Re-dredge 2       | SRC-CU017-FR000034-000006 | 9/16/2009   | Disturbed Residual to 2 Inches    | 2.8              | 10.5              | 60           |
| RLC-CU017 | SRN-CU017-002 | Re-dredge 2       | SRC-CU017-FR000002-000006 | 9/16/2009   | Disturbed Residual to 0.25 Inches | 0.1              | 0.4               | 24           |
| RLC-CU017 | SRN-CU017-033 | Re-dredge 2       | SRC-CU017-FR000033-000006 | 9/16/2009   | Disturbed Residual to 0.25 Inches | 0.0              | 0.1               | 18           |
| RLC-CU017 | SRN-CU017-030 | Re-dredge 2       | SRC-CU017-FR000030-000006 | 9/16/2009   | Disturbed Residual to 0.25 Inches | 0.5              | 1.6               | 18           |

**Table 3.2-3j**  
**Disturbed Residuals Encountered in Certification Unit 18**

| CU ID     | Node ID       | Dredge Pass       | Sample ID                 | Sample Date | Sample Information                | Tri+ PCB (mg/kg) | Total PCB (mg/kg) | Moisture (%) |
|-----------|---------------|-------------------|---------------------------|-------------|-----------------------------------|------------------|-------------------|--------------|
| RLC-CU018 | SRN-CU018-022 | Design Dredge Cut | SRC-CU018-FI000022-000006 | 9/21/2009   | Disturbed Residual to 0.5 Inches  | 1.9              | 8.7               | 22           |
| RLC-CU018 | SRN-CU018-023 | Design Dredge Cut | SRC-CU018-FI000023-000006 | 9/21/2009   | Disturbed Residual to 1 Inches    | 1.5              | 6.3               | 23           |
| RLC-CU018 | SRN-CU018-025 | Design Dredge Cut | SRC-CU018-FI000025-000006 | 9/21/2009   | Disturbed Residual to 0.25 Inches | 3.9              | 16.1              | 33           |
| RLC-CU018 | SRN-CU018-026 | Design Dredge Cut | SRC-CU018-FI000026-000006 | 9/21/2009   | Disturbed Residual to 1 Inches    | 1.6              | 5.7               | 24           |
| RLC-CU018 | SRN-CU018-030 | Design Dredge Cut | SRC-CU018-FI000030-000006 | 9/21/2009   | Disturbed Residual to 0.25 Inches | 0.1              | 0.3               | 18           |
| RLC-CU018 | SRN-CU018-046 | Design Dredge Cut | SRC-CU018-FI000046-000006 | 9/21/2009   | Disturbed Residual to 1 Inches    | 1.0              | 3.0               | 45           |
| RLC-CU018 | SRN-CU018-009 | Design Dredge Cut | SRC-CU018-FI000009-000006 | 9/23/2009   | Disturbed Residual to 0.5 Inches  | 2.2              | 10.2              | 20           |
| RLC-CU018 | SRN-CU018-010 | Design Dredge Cut | SRC-CU018-FI000010-000006 | 9/23/2009   | Disturbed Residual to 1 Inches    | 40.3             | 138.0             | 69           |
| RLC-CU018 | SRN-CU018-012 | Design Dredge Cut | SRC-CU018-FI000012-000006 | 9/23/2009   | Disturbed Residual to 0.25 Inches | 4.2              | 19.0              | 21           |
| RLC-CU018 | SRN-CU018-015 | Design Dredge Cut | SRC-CU018-FI000015-000006 | 9/23/2009   | Disturbed Residual to 1 Inches    | 76.0             | 364.0             | 55           |
| RLC-CU018 | SRN-CU018-017 | Design Dredge Cut | SRC-CU018-FI000017-000006 | 9/22/2009   | Disturbed Residual to 2 Inches    | 14.9             | 68.0              | 26           |
| RLC-CU018 | SRN-CU018-018 | Design Dredge Cut | SRC-CU018-FI000018-000006 | 9/22/2009   | Disturbed Residual to 2 Inches    | 13.2             | 58.7              | 33           |
| RLC-CU018 | SRN-CU018-020 | Design Dredge Cut | SRC-CU018-FI000020-000006 | 9/22/2009   | Disturbed Residual to 0.5 Inches  | 1.7              | 7.1               | 22           |
| RLC-CU018 | SRN-CU018-021 | Design Dredge Cut | SRC-CU018-FI000021-000006 | 9/22/2009   | Disturbed Residual to 3 Inches    | 114.7            | 576.0             | 76           |
| RLC-CU018 | SRN-CU018-032 | Design Dredge Cut | SRC-CU018-FI000032-000006 | 9/22/2009   | Disturbed Residual to 0.25 Inches | 0.3              | 0.7               | 25           |
| RLC-CU018 | SRN-CU018-035 | Design Dredge Cut | SRC-CU018-FI000035-000006 | 9/22/2009   | Disturbed Residual to 0.25 Inches | 0.1              | 0.3               | 19           |
| RLC-CU018 | SRN-CU018-036 | Design Dredge Cut | SRC-CU018-FI000036-000006 | 9/22/2009   | Disturbed Residual to 1 Inches    | 5.2              | 22.7              | 46           |
| RLC-CU018 | SRN-CU018-038 | Design Dredge Cut | SRC-CU018-FI000038-000006 | 9/22/2009   | Disturbed Residual to 0.25 Inches | 3.5              | 13.2              | 65           |
| RLC-CU018 | SRN-CU018-040 | Design Dredge Cut | SRC-CU018-FI000040-000006 | 9/22/2009   | Disturbed Residual to 0.5 Inches  | 1.2              | 4.3               | 19           |
| RLC-CU018 | SRN-CU018-044 | Design Dredge Cut | SRC-CU018-FI000044-000006 | 9/22/2009   | Disturbed Residual to 0.25 Inches | 1.0              | 3.3               | 22           |
| RLC-CU018 | SRN-CU018-047 | Design Dredge Cut | SRC-CU018-FI000047-000006 | 9/22/2009   | Disturbed Residual to 0.5 Inches  | 3.3              | 17.2              | 42           |
| RLC-CU018 | SRN-CU018-002 | Design Dredge Cut | SRC-CU018-FI000002-000006 | 9/25/2009   | Disturbed Residual to 0.5 Inches  | 2.6              | 7.8               | 48           |
| RLC-CU018 | SRN-CU018-004 | Design Dredge Cut | SRC-CU018-FI000004-000006 | 9/25/2009   | Disturbed Residual to 0.5 Inches  | 10.0             | 32.3              | 40           |
| RLC-CU018 | SRN-CU018-006 | Design Dredge Cut | SRC-CU018-FI000006-000006 | 9/25/2009   | Disturbed Residual to 0.25 Inches | 10.0             | 39.1              | 55           |
| RLC-CU018 | SRN-CU018-007 | Design Dredge Cut | SRC-CU018-FI000007-000006 | 9/25/2009   | Disturbed Residual to 0.25 Inches | 1.0              | 4.0               | 14           |
| RLC-CU018 | SRN-CU018-008 | Design Dredge Cut | SRC-CU018-FI000008-000006 | 9/25/2009   | Disturbed Residual to 3 Inches    | 24.7             | 112.0             | 45           |
| RLC-CU018 | SRN-CU018-006 | Re-dredge 1       | SRC-CU018-SI000006-000006 | 10/20/2009  | Disturbed Residual to 0.25 Inches | 4.4              | 17.6              | 27           |
| RLC-CU018 | SRN-CU018-008 | Re-dredge 1       | SRC-CU018-SI000008-000006 | 10/20/2009  | Disturbed Residual to 0.5 Inches  | 0.1              | 0.5               | 23           |
| RLC-CU018 | SRN-CU018-001 | Re-dredge 1       | SRC-CU018-SI000001-000006 | 10/20/2009  | Disturbed Residual to 0.5 Inches  | 0.4              | 1.4               | 52           |
| RLC-CU018 | SRN-CU018-031 | Re-dredge 1       | SRC-CU018-SI000031-000006 | 10/23/2009  | Disturbed Residual to 0.5 Inches  | 2.0              | 7.1               | 25           |
| RLC-CU018 | SRN-CU018-034 | Re-dredge 1       | SRC-CU018-SI000034-000006 | 10/23/2009  | Disturbed Residual to 1 Inches    | 0.3              | 1.0               | 41           |
| RLC-CU018 | SRN-CU018-017 | Re-dredge 1       | SRC-CU018-SI000017-000006 | 10/23/2009  | Disturbed Residual to 0.25 Inches | 4.3              | 19.1              | 23           |
| RLC-CU018 | SRN-CU018-010 | Re-dredge 1       | SRC-CU018-SI000010-000006 | 10/22/2009  | Disturbed Residual to 1 Inches    | 10.6             | 41.4              | 60           |

**Table 3.2-4  
Backfill Placed in Each CU**

| <b>CU</b> | <b>Total Area Backfilled<br/>(acres)</b> | <b>Total Area of CU<br/>(acres)</b> | <b>Type 1</b> | <b>Type 2</b> | <b>Type 3</b> | <b>15%</b> |
|-----------|--|-------------------------------------|---------------|---------------|---------------|------------|
| 01        | 0  | 3.39                                |               |               |               |            |
| 02        | 1.64                                     | 5.06                                | X             | X             | X             |            |
| 03        | 3.67                                     | 4.87                                | X             | X             |               | X          |
| 04        | 0.95                                     | 4.51                                | X             | X             |               | X          |
| 05        | 3.89                                     | 4.77                                | X             | X             |               | X          |
| 06        | 3.67                                     | 4.94                                | X             | X             |               | X          |
| 07        | 3.75                                     | 4.71                                | X             | X             |               | X          |
| 08        | 3.51                                     | 4.99                                | X             | X             |               | X          |
| 17        | 4.99                                     | 4.99                                | X             | X             |               |            |
| 18        | 4.93                                     | 6.04                                | X             | X             |               |            |

**Table 3.2-5  
Engineered Caps Placed in Each CU**

| <b>CU</b> | <b>Total Area Capped (acres)</b> | <b>Total Area of CU (acres)</b> | <b>Cap Placement Start Date</b> | <b>Cap Placement End Date</b> | <b>Type A</b> | <b>Type B</b> |
|-----------|----------------------------------|---------------------------------|---------------------------------|-------------------------------|---------------|---------------|
| 01        | 3.39                             | 3.39                            | 10/28/09                        | 11/13/09                      |               | X             |
| 02        | 3.42                             | 5.06                            | 10/12/09                        | 11/13/09                      |               | X             |
| 03        | 1.2                              | 4.87                            | 10/15/09                        | 11/11/09                      | X             |               |
| 04        | 3.56                             | 4.51                            | 11/4/09                         | 11/19/09                      | X             | X             |
| 05        | 0.88                             | 4.77                            | 9/13/09                         | 10/14/09                      | X             |               |
| 06        | 1.27                             | 4.94                            | 10/4/09                         | 10/24/09                      | X             |               |
| 07        | 0.96                             | 4.71                            | 10/18/09                        | 10/25/09                      | X             |               |
| 08        | 1.48                             | 4.99                            | 10/21/09                        | 11/18/09                      |               | X             |
| 17        | 0                                | 4.99                            | 9/21/09                         | 10/11/09                      |               |               |
| 18        | 1.11                             | 6.04                            | 10/29/09                        | 11/14/09                      | X             |               |

**Table 3.3-1  
Near-Field Total Suspended Solids Data Summary Statistics**

|                   | <b>Upstream Buoy</b> | <b>100m<br/>Downstream<br/>Transect</b> | <b>300m<br/>Downstream<br/>Transect</b> | <b>300m<br/>Downstream<br/>Buoy</b> |
|-------------------|----------------------|---|---|-------------------------------------|
| Number of Samples | 1677                 | 226                                     | 224                                     | 1091                                |
| Minimum           | 0.48                 | 0.56                                    | 0.49                                    | 0.48                                |
| Maximum           | 54.8                 | 59.8                                    | 54.4                                    | 14.4                                |
| Mean              | 1.8                  | 3.2                                     | 3.2                                     | 1.7                                 |

Note: Results in mg/L

**Table 3.3-2**  
**Effect of 2009 mGBM Correction Factors on Far-Field Water**  
**Quality Standard Results**

| Station         | Start Date      | End Date        | 2004 Bias    | 2009 Bias    | Method  |
|-----------------|-----------------|-----------------|--------------|--------------|---------|
| Thompson Island | 7/31/2009 6:00  | 8/1/2009 6:00   | 451.3        | <b>511.0</b> | mGBM    |
|                 | 8/1/2009 6:00   | 8/2/2009 6:00   | <b>513.9</b> | <b>582.1</b> | mGBM    |
|                 | 8/2/2009 6:00   | 8/3/2009 6:00   | 337.0        | 337.0        | Aroclor |
|                 | 8/2/2009 6:00   | 8/3/2009 6:00   | 433.9        | 433.9        | Aroclor |
|                 | 8/3/2009 6:00   | 8/3/2009 18:00  | 437.3        | 437.3        | Aroclor |
|                 | 8/3/2009 6:00   | 8/3/2009 18:00  | 399.0        | 399.0        | Aroclor |
|                 | 8/3/2009 18:00  | 8/4/2009 6:00   | 336.0        | 336.0        | Aroclor |
|                 | 8/4/2009 6:00   | 8/5/2009 6:00   | 495.5        | <b>562.6</b> | mGBM    |
|                 | 8/5/2009 6:00   | 8/6/2009 6:00   | <b>641.0</b> | <b>705.7</b> | mGBM    |
|                 | 8/6/2009 6:00   | 8/6/2009 18:00  | 356.8        | 401.2        | mGBM    |
|                 | 8/6/2009 18:00  | 8/7/2009 6:00   | 184.0        | 214.2        | mGBM    |
|                 | 8/6/2009 18:00  | 8/7/2009 6:00   | <b>580.0</b> | <b>653.4</b> | mGBM    |
|                 | 8/6/2009 18:00  | 8/7/2009 6:00   | 363.0        | 405.9        | mGBM    |
|                 | 8/7/2009 6:00   | 8/8/2009 6:00   | 383.0        | 383.0        | Aroclor |
|                 | 8/7/2009 6:00   | 8/8/2009 6:00   | 400.5        | 400.5        | Aroclor |
|                 | 8/7/2009 6:00   | 8/8/2009 6:00   | <b>645.0</b> | <b>645.0</b> | Aroclor |
|                 | 8/8/2009 6:00   | 8/9/2009 6:00   | 251.4        | 281.7        | Aroclor |
|                 | 8/8/2009 6:00   | 8/9/2009 6:00   | 206.8        | 227.8        | Aroclor |
|                 | 8/8/2009 6:00   | 8/9/2009 6:00   | 161.6        | 181.7        | Aroclor |
|                 | 9/10/2009 6:00  | 9/11/2009 6:00  | <b>526.0</b> | <b>607.0</b> | mGBM    |
|                 | 9/11/2009 6:00  | 9/12/2009 6:00  | 396.5        | 461.4        | mGBM    |
|                 | 9/11/2009 6:00  | 9/12/2009 6:00  | 464.8        | <b>536.5</b> | mGBM    |
|                 | 9/11/2009 6:00  | 9/12/2009 6:00  | 322.6        | 375.6        | mGBM    |
|                 | 10/13/2009 6:00 | 10/14/2009 6:00 | <b>686.0</b> | <b>757.0</b> | mGBM    |
| 10/13/2009 6:00 | 10/14/2009 6:00 | 306.0           | 337.0        | mGBM         |         |
| 10/14/2009 6:00 | 10/15/2009 6:00 | 309.0           | 353.6        | mGBM         |         |
| 10/14/2009 6:00 | 10/15/2009 6:00 | 294.0           | 333.0        | mGBM         |         |
| 10/14/2009 6:00 | 10/15/2009 6:00 | 257.0           | 287.8        | mGBM         |         |
| Lock 5          | 10/26/2009 6:00 | 10/27/2009 6:00 | <b>643.0</b> | <b>666.8</b> | mGBM    |
|                 | 10/26/2009 6:00 | 10/27/2009 6:00 | 248.0        | 274.5        | mGBM    |
|                 | 10/27/2009 6:00 | 10/28/2009 6:00 | 120.0        | 134.0        | mGBM    |
|                 | 10/27/2009 6:00 | 10/28/2009 6:00 | 137.0        | 151.3        | mGBM    |

**Table 3.3-3**  
**Results of Students T-test Between 2007-2008 and 2009 Total PCB**  
**Concentrations in Forage and Yearling Pumpkinseed, by Location**

| Site                        | 2007-2008          |        | 2009               |        | p value  |
|-----------------------------|--------------------|--------|--------------------|--------|----------|
|                             | Mean<br>(ug/g wet) | 2 S.E. | Mean<br>(ug/g wet) | 2 S.E. |          |
| <b>Forage</b>               |                    |        |                    |        |          |
| Thompson Island Pool        | 1.69               | 0.61   | 10.57              | 4.73   | 0.00002  |
| Northumberland Pool         | 1.73               | 0.44   | 6.27               | 1.65   | 5.91E-08 |
| Stillwater Pool             | 1.38               | 0.38   | 3.33               | 1.30   | 0.00090  |
| Albany/Troy                 | 0.54               | 0.12   | 0.90               | 0.35   | 0.02136  |
| <b>Yearling Pumpkinseed</b> |                    |        |                    |        |          |
| Thompson Island Pool        | 2.80               | 0.42   | 14.80              | 4.82   | 5.61E-10 |
| Northumberland Pool         | 2.48               | 0.57   | 7.85               | 1.88   | 2.23E-09 |
| Stillwater Pool             | 1.59               | 0.36   | 2.88               | 1.11   | 0.007061 |
| Albany/Troy                 | 0.57               | 0.06   | 0.79               | 0.10   | 0.000112 |