FROM: J. T. BELL - MONSANTO ANNISTON

TO: Bill Papascorge

Attached is your copy of the latest "Fish" results

TOBY

MONS 056774

PCB Residue Analysis — December, 1971

Results are PPM.
Top number is wet wt.; Bottom Number is lipid wt.

1.) Shoal Creek — RCC 71-459

| | No. Fish Used | Sample Wt | A-1242 | A-1254 | Total PCB |
|---|---|---|---|---|---|
| Hypentelium etowanum | 2 | 3.0 | 0.18 | — | 0.18 |
| | | | 2.75 | | 2.75 |
| Moxostoma sp. | 1 | 2.5 | 0.12 | — | 0.12 |
| | | | 3.00 | | 3.00 |
| Campostoma anomalum | 9 | 13.5 | — | — | — |
| Notropis xaenurus | 10 | 16.0 | 0.13 | 0.26 | 0.39 |
| | | | 2.63 | 5.12 | 7.75 |
| Lepomis megalotis | 5 | 11.0 | 0.05 | 0.02 | 0.07 |
| | | | 0.71 | 0.25 | 0.96 |
| Micropterus coosae | 1 | 2.0 | 0.27 | 0.14 | 0.41 |
| | | | 5.40 | 2.70 | 8.10 |
| Cottus carolinae | 4 | 2.4 | 0.38 | 0.26 | 0.64 |
| | | | 9.00 | 6.15 | 15.15 |
| Percina nigrofasciata | 1 | 0.7 | 0.43 | 0.15 | 0.58 |
| | | | 3.00 | 1.05 | 4.05 |

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2.) Choccolocco Creek at Hwy. 9 RCC 71-460

| | No. Fish Used | Sample Wt. | A-1242 | A-1254 | Total PCB |
|---|---|---|---|---|---|
| Moxostoma sp. | 1 | 3.0 | 0.16 | 0.28 | 0.44 |
| | | | 2.44 | 4.13 | 6.57 |
| Lepomis macrochirus | 6 | 26.0 | 0.01 | 0.04 | 0.05 |
| | | | 0.23 | 0.67 | 0.90 |
| Lepomis megalotis | 2 | 11.5 | 0.14 | — | 0.14 |
| | | | 1.55 | | 1.55 |

3.) Choccolocco Creek at M.H. Williams Bridge RDS 5137

| | No. Fish Used | Sample Wt | A-1242 | A-1254 | Total PCB |
|---|---|---|---|---|---|
| Notinigonus cryoleucas | 8 | 30.0 | 71.67 | 73.33 | 145.00 |
| | | | 1,075.00 | 1,100.00 | 2,175.00 |
| Notropis umbratilis | 9 | 14.5 | 115.52 | 167.24 | 282.76 |
| | | | 1,861.11 | 2,694.44 | 4,555.55 |
| Carassius auratus | 1 | 25.5 | 420.00 | 490.00 | 910.00 |
| | Total Fish Wt. 448.0 | | 4,200.00 | 4,900.00 | 9,100.00 |
| Lepomis cyanellus | 3 | 33.0 | 72.73 | 66.67 | 139.40 |
| | | | 1,333.33 | 1,222.22 | 2,555.55 |
| Lepomis macrochirus | 1 | 8.0 | 25.00 | 18.75 | 43.75 |
| | | | 200.00 | 150.00 | 350.00 |

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4.) Checcoluca Creek, Highway 93 RDS 5136

| | No. Fish Used | Sample WT | A-1242 | A-1254 | Total PCB |
|---|---|---|---|---|---|
| Notropis venustus | 1 | 4.0 | 293.75 | 296.88 | 590.63 |
| | | | 11,750.00 | 11,875.00 | 23,625.00 |
| Campostoma anomalum | 1 | 3.3 | 5.15 | — | 5.15 |
| | | | 170.00 | | 170.00 |
| Notemigonus crysoleucas | 2 | 4.0 | 14.69 | 17.50 | 32.19 |
| | | | 294.00 | 350.00 | 644.00 |
| Lepomis cyanellus | 2 | 25.0 | 123.75 | 125.00 | 248.75 |
| | | | 5,187.50 | 6,250.00 | 11,437.50 |
| Lepomis megalotis | 3 | 5.0 | 20.00 | 15.00 | 35.00 |
| | | | 666.67 | 500.00 | 1,166.67 |
| Lepomis macrochirus | 1 | 10.0 | 4.63 | 8.50 | 13.13 |
| | | | 92.50 | 170.00 | 262.50 |
| Micropterus salmoides | 1 | 4.5 | 1.85 | 3.15 | 5.00 |
| | | | 27.78 | 47.22 | 75.00 |

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5.) Choccolocco Creek, Hwy. 77 Bridge RCC 71-461

| | No. Fish Used | Sample WT | A-1242 | A-1254 | Total PCB |
|---|---|---|---|---|---|
| Dorosoma cepedianum | 1 | 20.0 | 5.16 | 5.63 | 10.79 |
| | Total Fish WT, 162.0 | | 49.11 | 53.57 | 102.68 |
| Pimephales vigilax | 2 | 7.0 | 31.79 | 29.29 | 61.08 |
| | | | 445.00 | 410.00 | 855.00 |
| Notemigonus crysoleucas | 6 | 20.0 | 2.44 | 6.13 | 8.57 |
| | | | 40.63 | 52.08 | 92.71 |
| Notropis venustus | 3 | 2.5 | 18.50 | 13.50 | 32.00 |
| | | | 154.17 | 112.50 | 266.67 |
| Micropterus punctulatus | 1 | 17.5 | 14.29 | 34.29 | 48.58 |
| | | | 227.27 | 545.46 | 772.73 |
| Lepomis cyanellus | 5 | 22.0 | 5.68 | 11.36 | 17.04 |
| | | | 78.13 | 156.25 | 234.38 |
| Lepomis macrochirus | 1 | 16.0 | 14.84 | 14.06 | 28.90 |
| | | | 287.50 | 225.00 | 512.50 |
| Lepomis megalotis | 3 | 21.0 | 38.69 | 30.36 | 69.05 |
| | | | 580.36 | 455.36 | 1,035.72 |
| Micropterus salmoides | 1 | 21.5 | 5.43 | 10.47 | 15.90 |
| | Total WT 20.5 | | 77.78 | 150.00 | 227.78 |

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6.) Chcaka Creek, Hwy. 93 RDS 5135

| | No. Fish Used | Sample Wt | A-1242 | A-1254 | Total PCB |
|---|---|---|---|---|---|
| Hyperlelinus etowanum | 5 | 21.0 | 0.16 | 0.22 | 0.38 |
| | | | 3.40 | 4.70 | 8.10 |
| Computania anomalum | 4 | 25.0 | 0.48 | 0.66 | 1.14 |
| | | | 10.00 | 13.75 | 23.75 |
| Notropis Venustus | 1 | 5.5 | 122.72 | 148.48 | 271.20 |
| | | | 1,125.00 | 1,361.11 | 2,486.11 |
| Lepomis cyanellus | 1 | 20.0 | 0.44 | 0.47 | 0.91 |
| | | | 5.83 | 6.25 | 12.08 |
| Lepomis macrochirus | 1 | 1.5 | 1.50 | — | 1.50 |
| | | | 22.50 | | 22.50 |
| Lepomis megalotis | 3 | 33.0 | 0.20 | 0.44 | 0.64 |
| | | | 3.61 | 8.06 | 11.67 |
| Coltis carolinae | 8 | 32.0 | 0.05 | 0.05 | 0.10 |
| | | | 1.25 | 1.33 | 2.58 |
| Percina nigrofasciata | 1 | 5.5 | — | 0.05 | 0.05 |
| | | | | 0.58 | 0.58 |

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7.) Cane Creek ROS 5139

| | No. Fish Used | Sample wt. | A-1242 | A-1254 | Total PCB |
|---|---|---|---|---|---|
| Dorosoma cepedianum | 4 | 24.0 | — | 0.90<br>21.50 | 0.90<br>21.50 |
| Campostoma anomalum | 2 | 12.0 | 0.10<br>2.04 | 0.07<br>1.42 | 0.17<br>3.46 |
| Cyprinus carpio | 1<br>Total wt 128.5 | 36.0 | — | 0.69<br>10.00 | 0.69<br>10.00 |
| Pimephales vigilax | 2 | 6.0 | — | 1.40<br>16.75 | 1.40<br>16.75 |
| Lepomis macrochirus | 2 | 30.0 | — | 1.75<br>26.25 | 1.75<br>26.25 |
| Lepomis cyanellus | 1 | 1.0 | 2.13<br>21.25 | — | 2.13<br>21.25 |
| Lepomis megalotis | 3 | 30.0 | — | 0.77<br>12.78 | 0.77<br>12.78 |
| Micropterus salmoides | 1<br>Total wt 470.0 | 28.0 | — | 0.34<br>3.80 | 0.34<br>3.80 |
| Pomoxis nigromaculatus | 1 | 20.0 | — | 1.08<br>10.75 | 1.08<br>10.75 |
| Percina caprodes | 1 | 15.5 | — | 2.32<br>30.00 | 2.32<br>30.00 |

8.) Aker Creek RDS 5138

| | No. Fish Used | Sample wt. | A-1242 | A-1254 | Total PCB |
|---|---|---|---|---|---|
| Dorosoma cepedianum | 4 | 25.0 | — | 1.40<br>26.92 | 1.40<br>26.92 |
| Hypentelium etowanum | 1 | 41.0 | — | 0.59<br>8.57 | 0.59<br>8.57 |
| Cyprinus carpio | Not Included in Package | | | | |
| Notemigonus crysoleucas | 1 | 1.0 | 0.83<br>8.25 | — | 0.83<br>8.25 |
| Notropis venustus | 4 | 10.0 | — | 1.40<br>17.50 | 1.40<br>17.50 |
| Campostoma anomalum | 1 | 2.5 | 0.43<br>3.52 | — | 0.43<br>3.52 |
| Lepomis cyanellus | 6 | 10.2 | 0.03<br>0.38 | 0.06<br>0.89 | 0.09<br>1.27 |
| Lepomis macrochirus | 3 | 32.5 | — | 0.58<br>11.72 | 0.58<br>11.72 |
| Lepomis megalotis | 2 | 26.0 | — | 0.45<br>6.53 | 0.45<br>6.53 |
| Percina caprodes | 1 | 8.0 | 0.04<br>0.54 | 0.13<br>1.54 | 0.17<br>2.08 |
| Percina nigrofasciata | 6 | 13.0 | 0.08<br>1.79 | 0.06<br>1.38 | 0.14<br>3.17 |
| Cottus carolinae | 2 | 7.0 | 0.05<br>0.75 | — | 0.05<br>0.75 |

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9.) Coosa River at Stanley Bridge RCC 71-462

| | No. Fish Used | Sample Wt | A-1242 | A-1254 | Total PCB |
|---|---|---|---|---|---|
| Lepomis macrochirus | 9 | 20.0 | — | 3.75 | 3.75 |
| | | | | 62.50 | 62.50 |
| Lepomis megalotis | 3 | 28.0 | — | 1.70 | 1.70 |
| | | | | 47.50 | 47.50 |
| Micropterus punctulatus | 9 | 35.0 | 2.21 | 2.43 | 4.64 |
| | | | 64.58 | 70.83 | 135.41 |
| Micropterus salmoides | 2 | 5.0 | 0.35 | 0.80 | 1.15 |
| | | | 4.37 | 10.00 | 14.37 |
| Pimephales vigilax | 14 | 31.2 | 0.10 | 0.16 | 0.26 |
| | | | 2.73 | 4.55 | 7.28 |
| Lepomis cyanellus | 4 | 23.0 | 0.47 | 0.76 | 1.23 |
| | | | 12.04 | 19.44 | 31.48 |

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10.) Clear Creek RCC 71-463

| | No. Fish Used | Sample WT | A-1242 | A-1254 | Total PCB |
|---|---|---|---|---|---|
| Dorosoma cepedianum | 1 | 7.0 | 1.61 | 1.46 | 3.07 |
| | | | 22.50 | 20.50 | 43.00 |
| Pimephales vigilax | 11 | 20.0 | 0.98 | 0.96 | 1.94 |
| | | | 24.47 | 23.96 | 48.43 |
| Lepomis cyanellus | 4 | 23.0 | 0.65 | 0.54 | 1.19 |
| | | | 15.00 | 12.50 | 27.50 |
| Lepomis macrochirus | 7 | 24.0 | — | 0.56 | 0.56 |
| | | | | 16.67 | 16.67 |
| Lepomis megalotis | 3 | 24.0 | — | 0.19 | 0.19 |
| | | | | 4.50 | 4.50 |
| Micropterus punctulatus | 4 | 11.5 | 0.57 | 0.47 | 1.01 |
| | | | 10.83 | 8.33 | 19.16 |
| Notropis venustus | 1 | 3.5 | 2.57 | 4.29 | 6.86 |
| | | | 18.00 | 30.00 | 48.00 |
| Minytrema melanops | 1 | 27.0 | 0.09 | 0.08 | 0.17 |
| | Total WT 478.0 | | 1.32 | 1.25 | 2.57 |

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