# APPENDIX L

## Ponar Grab Collections of Submersed Macrophytes

SUBMERSED MACROPHYTE PONAR DATA, JUNE, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR STAG | | 1 | 1 | 309026 | 497383 | 12.0 | NO PLANTS PRESENT | | | 3200 | 1900 | 2.1 | 1.0 |
| | | | 2 | 309026 | 497383 | 12.0 | NO PLANTS PRESENT | | | 3000 | 2400 | 2.2 | 1.2 |
| | | | 3 | 309027 | 497384 | 12.0 | NO PLANTS PRESENT | | | 3500 | 2200 | 2.1 | 1.2 |
| | | | 4 | 309027 | 497384 | 11.0 | NO PLANTS PRESENT | | | 3400 | 2100 | 2.3 | 1.3 |
| | | 2 | 1 | 309041 | 497387 | 12.0 | NO PLANTS PRESENT | | | 3200 | 2300 | 2.4 | 1.0 |
| | | | 2 | 309041 | 497387 | 12.0 | NO PLANTS PRESENT | | | 3400 | 2300 | 2.5 | 1.5 |
| | | | 3 | 309041 | 497388 | 12.0 | NO PLANTS PRESENT | | | 3500 | 2400 | 2.2 | 1.0 |
| | | | 4 | 309042 | 497388 | 12.0 | NO PLANTS PRESENT | | | 3100 | 2200 | 1.9 | 1.3 |
| | | 3 | 1 | 309031 | 497388 | 9.0 | NO PLANTS PRESENT | | | 3400 | 2100 | 2.1 | 1.3 |
| | | | 2 | 309031 | 497388 | 9.0 | NO PLANTS PRESENT | | | 4100 | 2900 | 2.4 | 1.5 |
| | | | 3 | 309030 | 497389 | 8.0 | NO PLANTS PRESENT | | | 3500 | 2200 | 2.4 | 1.4 |
| | | | 4 | 309030 | 497390 | 8.0 | NO PLANTS PRESENT | | | 3600 | 2200 | 2.0 | 1.1 |
| | | 4 | 1 | 309038 | 497394 | 13.0 | NO PLANTS PRESENT | | | 3200 | 2100 | 1.8 | 0.9 |
| | | | 2 | 309041 | 497394 | 13.0 | NO PLANTS PRESENT | | | 3500 | 2200 | 2.0 | 1.2 |
| | | | 3 | 309042 | 497395 | 12.0 | NO PLANTS PRESENT | | | 3300 | 2200 | 2.0 | 1.3 |
| | | | 4 | 309042 | 497395 | 11.0 | NO PLANTS PRESENT | | | 3300 | 2300 | 2.1 | 1.5 |
| | | 5 | 1 | 309037 | 497397 | 5.5 | CHARA SPP. | 6.7 | 3.2 | 3200 | 2100 | 1.6 | 1.4 |
| | | | | | | | POT. NARROW | 30.4 | 20.1 | | | | |
| | | | | | | | POT. GRAMINEUS | 14.4 | 7.8 | | | | |
| | | | 2 | 309035 | 497397 | 6.0 | POT. NARROW | 15.2 | 10.7 | 4000 | 2500 | 2.0 | 1.6 |
| | | | | | | | POT. GRAMINEUS | 7.4 | 4.6 | | | | |
| | | | | | | | POT. RICHARDSONI | 10.6 | 7.1 | | | | |
| | | | 3 | 309035 | 497396 | 6.0 | POT. NARROW | 38.4 | 26.4 | 3700 | 2700 | 2.1 | 0.9 |
| | | | 4 | 309036 | 497398 | 6.0 | CHARA SPP. | 7.4 | 2.9 | 3500 | 2900 | 2.1 | 1.3 |
| | | | | | | | POT. NARROW | 73.0 | 40.2 | | | | |
| | | | | | | | POT. GRAMINEUS | 8.7 | 4.4 | | | | |
| | | 6 | 1 | 309041 | 497398 | 9.0 | CHARA SPP. | 32.4 | 7.5 | 3600 | 2500 | 2.4 | 1.0 |
| | | | | | | | POT. NARROW | 13.9 | 8.2 | | | | |
| | | | 2 | 309042 | 497400 | 9.0 | CHARA SPP. | 6.1 | 3.8 | 3900 | 2000 | 2.4 | 1.5 |
| | | | | | | | POT. NARROW | 48.3 | 33.0 | | | | |
| | | | 3 | 309043 | 497400 | 7.0 | CHARA SPP. | 18.9 | 8.1 | 3800 | 1000 | 2.2 | 0.6 |
| | | | | | | | POT. NARROW | 6.2 | 3.4 | | | | |
| | | | 4 | 309043 | 497401 | 6.0 | CHARA SPP. | 4.4 | 1.8 | 3100 | 2600 | 1.9 | 1.6 |
| | | | | | | | POT. NARROW | 36.2 | 23.0 | | | | |
| | | | 5 | 309042 | 497400 | 7.5 | POT. GRAMINEUS | 9.9 | 6.6 | 3700 | 1300 | - | - |
| | | | | | | | POT. NARROW | 68.5 | 53.9 | | | | |
| | | | 6 | 309042 | 497401 | 6.5 | CHARA SPP. | 127.1 | 31.8 | 3700 | 1300 | - | - |
| | | | | | | | POT. GRAMINEUS | 5.0 | 3.9 | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 1 | 309039 | 497401 | 8.0 | CHARA SPP. | 26.3 | 15.1 | 3500 | 2700 | 0.8 | 0.4 |
| | | | | | ELODEA CANADENS | 22.8 | 15.3 | | | | |
| | | | | | POT. NARROW | 5.2 | 4.1 | | | | |
| | 2 | 309034 | 497398 | 4.5 | POT. NARROW | 8.5 | 5.8 | 2600 | 2500 | 1.4 | 1.3 |
| | | | | | POT. GRAMINEUS | 49.0 | 23.7 | | | | |
| | 3 | 309035 | 497399 | 4.0 | CHARA SPP. | 21.5 | 5.6 | 3000 | 2900 | 1.1 | 0.5 |
| | | | | | POT. NARROW | 41.7 | 29.0 | | | | |
| | 4 | 309035 | 497399 | 4.0 | CHARA SPP. | 1.5 | 0.6 | 3800 | 2600 | 1.4 | 0.9 |
| | | | | | POT. RICHARDSONI | 43.4 | 14.9 | | | | |
| 8 | 1 | 309044 | 497403 | 8.5 | CHARA SPP. | 0.8 | 0.5 | 2100 | 1900 | 1.2 | 0.9 |
| | | | | | ELODEA CANADENS | 5.4 | 3.7 | | | | |
| | | | | | POT. NARROW | 6.5 | 4.7 | | | | |
| | | | | | MYRIO. EXALBESC | 8.1 | 6.7 | | | | |
| | 2 | 309044 | 497405 | 9.0 | ELODEA CANADENS | 1.0 | 0.6 | 3000 | 2200 | 0.9 | 0.4 |
| | | | | | MYRIO. SPICATUM | 44.2 | 34.5 | | | | |
| | | | | | POT. RICHARDSONI | 7.7 | 3.9 | | | | |
| | 3 | 309044 | 497403 | 10.0 | CHARA SPP. | 11.2 | 6.6 | 2900 | 2200 | 1.4 | 0.7 |
| | | | | | ELODEA CANADENS | 63.0 | 39.0 | | | | |
| | | | | | POT. RICHARDSONI | 6.0 | 4.9 | | | | |
| | 4 | 309046 | 497404 | 7.0 | POT. NARROW | 159.0 | 124.4 | 3100 | 1400 | - | - |
| | 5 | 309045 | 497403 | 7.0 | POT. NARROW | 55.2 | 41.7 | 3100 | 1400 | - | - |
| | 6 | 309046 | 497403 | 7.0 | POT. NARROW | 111.1 | 84.6 | 3100 | 1400 | - | - |
| | 7 | 309045 | 497404 | 7.0 | POT. NARROW | 24.8 | 17.6 | 2500 | 1300 | - | - |
| | | | | | NITELLA HYALINA | 58.0 | 19.5 | | | | |
| | | | | | POT. GRAMINEUS | 0.7 | 0.5 | | | | |
| | 8 | 309046 | 497403 | 7.0 | CHARA SPP. | 0.2 | 0.0 | 2500 | 1300 | - | - |
| | | | | | POT. NARROW | 0.1 | 0.1 | | | | |
| | | | | | POT. GRAMINEUS | 20.9 | 10.1 | | | | |
| | 9 | 309046 | 497403 | 7.5 | POT. NARROW | 32.5 | 25.6 | 2500 | 1300 | - | - |
| | | | | | POT. GRAMINEUS | 22.2 | 15.2 | | | | |
| | 10 | 309045 | 497406 | 9.0 | CHARA SPP. | 7.9 | 4.4 | 3000 | 2000 | 1.0 | 0.6 |
| | | | | | ELODEA CANADENS | 45.9 | 34.1 | | | | |
| | | | | | POT. RICHARDSONI | 4.6 | 3.6 | | | | |
| 9 | 1 | 309037 | 497403 | 11.0 | CHARA SPP. | 21.4 | 11.2 | 2500 | 1900 | 0.5 | 0.3 |
| | | | | | ELODEA CANADENS | 65.9 | 39.5 | | | | |
| | | | | | POT. NARROW | 2.3 | 1.5 | | | | |
| | 2 | 309043 | 497403 | 9.5 | CHARA SPP. | 14.0 | 7.2 | 4500 | 2300 | 1.7 | 1.0 |
| | | | | | ELODEA CANADENS | 6.6 | 4.3 | | | | |
| | | | | | MYRIO. SPICATUM | 27.7 | 23.1 | | | | |
| | | | | | POT. RICHARDSONI | 18.8 | 13.1 | | | | |
| | 3 | 309044 | 497406 | 10.0 | CHARA SPP. | 14.7 | 7.5 | 3100 | 2000 | 0.9 | 0.4 |
| | | | | | ELODEA CANADENS | 36.6 | 19.3 | | | | |
| | | | | | MYRIO. SPICATUM | 40.1 | 29.0 | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 309035 | 497404 | 4.0 | CHARA SPP. | 93.4 | 34.7 | 2900 | 2700 | 0.1 | 0.1 |
| 10 | 1 | 309056 | 497412 | 12.0 | CHARA SPP. | 25.3 | 11.9 | 2500 | 2000 | 1.5 | 0.7 |
| | 2 | 309054 | 497412 | 9.0 | CHARA SPP. | 19.1 | 8.6 | 1900 | 1800 | 1.5 | 0.9 |
| | | | | | ELODEA CANADENS | TRACE | | | | | |
| | | | | | POT. NARROW | 0.9 | 0.6 | | | | |
| | 3 | 309056 | 497412 | 11.0 | CHARA SPP. | 12.0 | 6.5 | 3600 | 2100 | 0.9 | 0.3 |
| | 4 | 309055 | 497411 | 8.0 | CHARA SPP. | 12.9 | 8.2 | 3000 | 2300 | 1.7 | 0.8 |
| 11 | 1 | 309099 | 497410 | 4.0 | CHARA SPP. | 14.8 | 6.7 | 3200 | 1000 | 1.2 | 0.7 |
| | 2 | 309050 | 497411 | 3.0 | CHARA SPP. | 4.6 | 2.9 | 2500 | 700 | 0.9 | 0.5 |
| | 3 | 309048 | 497411 | 10.0 | CHARA SPP. | TRACE | | 3700 | 1800 | 0.4 | 0.1 |
| | | | | | ELODEA CANADENS | 2.3 | 1.6 | | | | |
| | | | | | POT. NARROW | 39.4 | 28.3 | | | | |
| | | | | | MYRIO. SPICATUM | 47.6 | 35.8 | | | | |
| | | | | | POT. CRISPUS | 12.6 | 10.7 | | | | |
| | 4 | 309052 | 497413 | 4.0 | CHARA SPP. | 34.4 | 14.0 | 3500 | 2900 | 1.2 | 0.9 |
| | 5 | 309048 | 497411 | 9.5 | ELODEA CANADENS | 125.9 | 83.5 | 3200 | 1300 | - | - |
| | | | | | NITELLA HYALINA | 1.8 | 0.9 | | | | |
| | 6 | 309048 | 497411 | 6.5 | ELODEA CANADENS | 248.3 | 160.9 | 3200 | 1300 | - | - |
| | | | | | POT. NARROW | 23.1 | 17.9 | | | | |
| | | | | | POT. RICHARDSONI | 3.4 | 2.8 | | | | |
| 12 | 1 | 309039 | 497408 | 12.0 | ELODEA CANADENS | 83.3 | 55.7 | 2900 | 1300 | 0.6 | 0.3 |
| | | | | | NITELLA HYALINA | 6.9 | 3.5 | | | | |
| | | | | | POT. CRISPUS | 43.1 | 37.8 | | | | |
| | 2 | 309038 | 497408 | 9.0 | CHARA SPP. | 3.8 | 1.9 | 3000 | 1700 | 0.7 | 0.3 |
| | | | | | ELODEA CANADENS | 78.9 | 53.0 | | | | |
| | | | | | MYRIO. SPICATUM | 2.7 | 2.2 | | | | |
| | | | | | POT. CRISPUS | 20.3 | 14.2 | | | | |
| | 3 | 309039 | 497407 | 10.0 | ELODEA CANADENS | 22.7 | 15.1 | 3300 | 1500 | 0.3 | 0.3 |
| | | | | | MYRIO. SPICATUM | 17.0 | 12.2 | | | | |
| | 4 | 309039 | 497407 | 4.0 | CHARA SPP. | 37.7 | 13.6 | 3700 | 2900 | 0.4 | 0.3 |
| | 5 | 309039 | 497408 | 3.0 | CHARA SPP. | 56.3 | 17.9 | 3500 | 2400 | - | - |
| | 6 | 309039 | 497407 | 4.0 | CHARA SPP. | 174.1 | 58.7 | 3500 | 2400 | - | - |
| 13 | 1 | 309058 | 497414 | 12.0 | ELODEA CANADENS | 21.3 | 12.8 | 340 | 170 | 1.0 | 0.1 |
| | | | | | MYRIO. SPICATUM | 2.7 | 1.8 | | | | |
| | | | | | POT. CRISPUS | 28.3 | 14.7 | | | | |
| | 2 | 309058 | 497416 | 9.0 | ELODEA CANADENS | 36.3 | 15.7 | 570 | 250 | 1.0 | 0.1 |
| | | | | | POT. NARROW | 2.5 | 1.9 | | | | |
| | | | | | MYRIO. SPICATUM | 3.7 | 2.6 | | | | |
| | 3 | 309058 | 497414 | 12.0 | CHARA SPP. | 0.2 | 0.2 | 700 | 450 | 0.1 | 0.1 |
| | | | | | ELODEA CANADENS | 39.8 | 25.8 | | | | |
| | | | | | POT. NARROW | 7.5 | 5.8 | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. CRISPUS | 27.3 | 21.3 | | | | |
| | | | | | POT. ZOSTERIFORM | 7.4 | 5.4 | | | | |
| | 4 | 309060 | 497416 | 10.5 | CHARA SPP. | 0.8 | 0.5 | 2300 | 600 | 2.0 | 0.1 |
| | | | | | ELODEA CANADENS | 20.9 | 12.7 | | | | |
| | | | | | POT. NARROW | 3.2 | 2.5 | | | | |
| | | | | | MYRIO. SPICATUM | 1.1 | 0.6 | | | | |
| | | | | | POT. CRISPUS | 110.3 | 76.1 | | | | |
| 14 | 1 | 309069 | 497422 | 6.0 | CHARA SPP. | 7.1 | 3.1 | 250 | 160 | 2.5 | 0.7 |
| | 2 | 309070 | 497424 | 6.0 | CHARA SPP. | 20.9 | 7.9 | 180 | 130 | 2.4 | 0.2 |
| | 3 | 309072 | 497424 | 7.0 | CHARA SPP. | 11.6 | 7.7 | 210 | 140 | 2.3 | 0.3 |
| | 4 | 309073 | 497425 | 7.0 | POT. NARROW | 14.3 | 9.1 | 260 | 140 | 1.9 | 1.1 |
| | | | | | POT. GRAMINEUS | 25.4 | 11.6 | | | | |
| | 5 | 309079 | 497425 | 6.0 | CHARA SPP. | 10.8 | 3.0 | 2600 | 1300 | - | - |
| | | | | | POT. GRAMINEUS | 6.3 | 5.1 | | | | |
| | 6 | 309078 | 497425 | 6.0 | POT. NARROW | 19.7 | 14.3 | 2600 | 1300 | - | - |
| 15 | 1 | 309075 | 497429 | 3.0 | CHARA SPP. | 5.4 | 3.7 | 230 | 190 | 1.2 | 1.1 |
| | 2 | 309075 | 497431 | 3.5 | CHARA SPP. | 31.7 | 12.9 | 260 | 210 | 0.8 | 0.8 |
| | 3 | 309075 | 497430 | 3.5 | CHARA SPP. | 54.3 | 22.4 | 240 | 180 | 0.7 | 0.4 |
| | | | | | POT. GRAMINEUS | 1.4 | 1.1 | | | | |
| | 4 | 309077 | 497433 | 2.5 | CHARA SPP. | 3.0 | 1.3 | 320 | 240 | 1.2 | 0.7 |
| | | | | | POT. NARROW | 27.0 | 19.6 | | | | |
| | | | | | POT. GRAMINEUS | 8.3 | 3.1 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JUNE, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | FAWN | 1 | 1 | 309569 | 498251 | 10.0 | CHARA SPP. | 69.3 | 26.2 | 3000 | 1000 | 1.3 | 1.1 |
| | | | | | | | POT. NARROW | 17.3 | 9.4 | | | | |
| | | | | | | | POT. GRAMINEUS | 73.3 | 39.2 | | | | |
| | | | 2 | 309570 | 498252 | 9.5 | POT. GRAMINEUS | 57.2 | 30.0 | 3200 | 900 | 1.5 | 1.4 |
| | | | | | | | POT. RICHARDSONI | 2.6 | 2.1 | | | | |
| | | | 3 | 309571 | 498252 | 8.5 | CHARA SPP. | 22.6 | 6.2 | 3400 | 1000 | 1.4 | 1.0 |
| | | | | | | | POT. GRAMINEUS | 33.6 | 21.0 | | | | |
| | | | 4 | 309570 | 498251 | 9.5 | POT. GRAMINEUS | 72.1 | 46.5 | 3500 | 1700 | 1.5 | 1.3 |
| | | 2 | 1 | 309572 | 498255 | 8.0 | CHARA SPP. | 8.5 | 2.0 | 4300 | 1900 | 1.5 | 1.1 |
| | | | | | | | POT. GRAMINEUS | 16.4 | 9.9 | | | | |
| | | | 2 | 309570 | 498255 | 8.0 | POT. NARROW | 1.9 | 1.2 | 4400 | 2100 | 1.4 | 1.2 |
| | | | | | | | POT. GRAMINEUS | 5.0 | 3.3 | | | | |
| | | | | | | | POT. RICHARDSONI | 4.0 | 2.8 | | | | |
| | | | 3 | 309571 | 498256 | 8.0 | CHARA SPP. | 10.8 | 4.9 | 4000 | 1900 | 1.5 | 1.4 |
| | | | | | | | POT. RICHARDSONI | 5.8 | 2.0 | | | | |
| | | | | | | | POT. NARROW | 147.3 | 91.4 | | | | |
| | | | 4 | 309571 | 498257 | 9.0 | POT. NARROW | 101.1 | 41.2 | 4200 | 1700 | 1.5 | 1.3 |
| | | | | | | | POT. RICHARDSONI | 28.7 | 14.8 | | | | |
| | | | 5 | 309572 | 498257 | 8.5 | POT. NARROW | 2.8 | 1.0 | 1000 | 580 | - | - |
| | | | | | | | NITELLA HYALINA | 0.8 | 0.5 | | | | |
| | | | | | | | POT. RICHARDSONI | 65.4 | 48.7 | | | | |
| | | | 6 | 309571 | 498257 | 9.0 | POT. NARROW | 12.0 | 9.4 | 1000 | 580 | - | - |
| | | | | | | | NITELLA HYALINA | 56.8 | 20.6 | | | | |
| | | | | | | | POT. GRAMINEUS | 23.4 | 16.6 | | | | |
| | | 3 | 1 | 309578 | 498255 | 9.0 | CHARA SPP. | 4.3 | 1.9 | 3500 | 1900 | 2.1 | 1.5 |
| | | | | | | | POT. RICHARDSONI | 104.6 | 70.2 | | | | |
| | | | 2 | 309579 | 498255 | 8.0 | POT. GRAMINEUS | 4.3 | 2.0 | 3200 | 1900 | 1.7 | 1.3 |
| | | | 3 | 309581 | 498256 | 8.0 | CHARA SPP. | 1.9 | 1.2 | 3600 | 2000 | 1.4 | 1.3 |
| | | | | | | | POT. GRAMINEUS | 16.4 | 9.7 | | | | |
| | | | 4 | 309584 | 498259 | 7.0 | CHARA SPP. | 5.5 | 2.9 | 4200 | 2000 | 1.4 | 1.2 |
| | | | | | | | POT. GRAMINEUS | 17.2 | 11.0 | | | | |
| | | 4 | 1 | 309573 | 498259 | 6.0 | CHARA SPP. | 52.6 | 22.8 | 3000 | 1800 | 1.6 | 1.4 |
| | | | | | | | POT. GRAMINEUS | 9.0 | 6.1 | | | | |
| | | | 2 | 309574 | 498260 | 5.5 | CHARA SPP. | 2.9 | 1.2 | 3200 | 2100 | 2.0 | 1.4 |
| | | | | | | | POT. GRAMINEUS | 16.0 | 7.7 | | | | |
| | | | 3 | 309575 | 498259 | 6.0 | CHARA SPP. | 0.7 | 0.1 | 3500 | 2300 | 1.9 | 1.4 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 309579 | 498261 | 5.0 | CHARA SPP. | 77.2 | 20.5 | 3500 | 2300 | 2.0 | 1.7 |
| | | | | | POT. GRAMINEUS | 3.6 | 2.2 | | | | |
| | | | | | POT. NARROW | 41.0 | 31.7 | | | | |
| | 5 | 309573 | 498260 | 4.5 | CHARA SPP. | 77.8 | 23.2 | 1300 | 1000 | - | - |
| | 6 | 309574 | 498261 | 7.0 | CHARA SPP. | 6.0 | 2.7 | 1300 | 680 | - | - |
| | | | | | NITELLA HYALINA | 1.2 | 0.4 | | | | |
| | | | | | POT. RICHARDSONI | 76.2 | 62.9 | | | | |
| | 7 | 309574 | 498261 | 7.5 | CHARA SPP. | 249.0 | 82.8 | 1300 | 680 | - | - |
| | | | | | POT. GRAMINEUS | 37.2 | 27.4 | | | | |
| | 8 | 309575 | 498261 | 5.0 | CHARA SPP. | 1.1 | 0.3 | 1400 | 590 | - | - |
| | | | | | POT. NARROW | 39.2 | 31.7 | | | | |
| | | | | | POT. GRAMINEUS | 28.3 | 22.5 | | | | |
| | 9 | 309575 | 498261 | 5.0 | CHARA SPP. | 85.6 | 23.0 | 1400 | 590 | - | - |
| | | | | | POT. NARROW | 68.3 | 50.8 | | | | |
| 5 | 1 | 309588 | 498260 | 7.0 | CHARA SPP. | 10.0 | 5.0 | 3300 | 1600 | 1.7 | 1.2 |
| | | | | | POT. NARROW | 4.0 | 2.7 | | | | |
| | | | | | POT. GRAMINEUS | 10.5 | 7.1 | | | | |
| | 2 | 309589 | 498261 | 8.0 | POT. NARROW | 9.5 | 6.2 | 3500 | 1500 | 1.6 | 1.2 |
| | | | | | POT. GRAMINEUS | 10.4 | 6.5 | | | | |
| | | | | | POT. RICHARDSONI | 1.1 | 0.9 | | | | |
| | 3 | 309590 | 498260 | 11.0 | ELODEA CANADENS | 11.0 | 8.7 | 3600 | 1300 | 1.9 | 0.6 |
| | | | | | POT. RICHARDSONI | 16.7 | 8.3 | | | | |
| | | | | | POT. NARROW | 1.8 | 1.1 | | | | |
| | 4 | 309592 | 498262 | 12.0 | CHARA SPP. | 1.2 | 0.6 | 3000 | 1300 | 1.8 | 1.2 |
| | | | | | ELODEA CANADENS | 1.5 | 0.8 | | | | |
| | | | | | POT. RICHARDSONI | 13.7 | 6.3 | | | | |
| 6 | 1 | 309586 | 498263 | 4.0 | CHARA SPP. | 16.0 | 8.6 | 2600 | 1900 | 1.8 | 1.6 |
| | 2 | 309586 | 498262 | 4.0 | CHARA SPP. | 14.9 | 8.5 | 3500 | 2000 | 1.5 | 1.4 |
| | 3 | 309587 | 498263 | 4.0 | CHARA SPP. | 1.0 | 0.6 | 3000 | 1900 | 1.4 | 1.0 |
| | 4 | 309587 | 498265 | 4.0 | CHARA SPP. | 12.4 | 6.3 | 3200 | 2200 | 1.5 | 1.1 |
| 7 | 1 | 309577 | 498265 | 4.0 | CHARA SPP. | 9.0 | 4.5 | 2300 | 1800 | 1.8 | 1.7 |
| | 2 | 309578 | 498266 | 3.5 | CHARA SPP. | 10.6 | 4.4 | 2400 | 1700 | 2.0 | 1.3 |
| | 3 | 309578 | 498267 | 4.0 | CHARA SPP. | 14.0 | 6.2 | 2700 | 1900 | 1.6 | 1.2 |
| | 4 | 309579 | 498270 | 4.0 | NO PLANTS PRESENT | | | 2700 | 2100 | 1.6 | 1.3 |
| 8 | 1 | 309600 | 498270 | 4.5 | CHARA SPP. | 25.9 | 11.7 | 2900 | 1700 | 1.8 | 1.3 |
| | | | | | POT. GRAMINEUS | 0.9 | 0.6 | | | | |
| | 2 | 309601 | 498270 | 4.0 | CHARA SPP. | 37.2 | 22.2 | 2700 | 1800 | 1.6 | 1.2 |
| | 3 | 309602 | 498272 | 5.5 | CHARA SPP. | 11.9 | 8.3 | 2700 | 1500 | 1.6 | 1.1 |
| | | | | | POT. NARROW | 1.5 | 1.2 | | | | |
| | | | | | POT. GRAMINEUS | 0.4 | 0.3 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 309603 | 498272 | 5.0 | CHARA SPP. | 18.8 | 11.6 | 2600 | 1500 | 1.7 | 1.2 |
| | | | | | POT. NARROW | 1.3 | 1.0 | | | | |
| | | | | | POT. GRAMINEUS | 2.2 | 1.7 | | | | |
| 9 | 1 | 309596 | 498271 | 3.0 | CHARA SPP. | 6.6 | 4.1 | 2400 | 2100 | 1.4 | 0.9 |
| | 2 | 309596 | 498274 | 2.5 | CHARA SPP. | 16.8 | 9.5 | 2600 | 2200 | 1.2 | 1.2 |
| | | | | | POT. GRAMINEUS | 0.9 | 0.7 | | | | |
| | 3 | 309598 | 498274 | 2.5 | CHARA SPP. | 18.2 | 10.0 | 2400 | 2100 | 1.3 | 1.2 |
| | 4 | 309600 | 498274 | 3.0 | CHARA SPP. | 8.4 | 5.2 | 2300 | 1900 | 1.4 | 1.1 |
| 10 | 1 | 309621 | 498285 | 8.5 | CHARA SPP. | 1.7 | 0.8 | 3000 | 900 | 1.4 | 1.1 |
| | | | | | POT. CRISPUS | 0.2 | 0.1 | | | | |
| | | | | | POT. GRAMINEUS | 0.6 | 0.5 | | | | |
| | 2 | 309625 | 498287 | 11.5 | CHARA SPP. | 7.5 | 4.1 | 3000 | 900 | 1.3 | 1.1 |
| | 3 | 309624 | 498287 | 8.5 | CHARA SPP. | 23.5 | 10.8 | 2900 | 900 | 1.3 | 1.1 |
| | 4 | 309624 | 498287 | 8.0 | CHARA SPP. | 11.4 | 5.1 | 3100 | 900 | 1.5 | 1.3 |
| | | | | | POT. GRAMINEUS | 4.3 | 2.8 | | | | |
| 11 | 1 | 309611 | 498279 | 2.5 | CHARA SPP. | 10.7 | 6.0 | 3000 | 2500 | 0.7 | 0.4 |
| | 2 | 309613 | 498279 | 3.0 | CHARA SPP. | 48.0 | 22.6 | 3000 | 2500 | 1.3 | 0.9 |
| | 3 | 309613 | 498280 | 3.5 | CHARA SPP. | 41.4 | 20.3 | 3200 | 2600 | 1.4 | 0.7 |
| | 4 | 309615 | 498282 | 4.0 | CHARA SPP. | 97.4 | 34.1 | 3100 | 2100 | 1.2 | 0.8 |

SUBMERSED MACROPHYTE PONAR DATA, JUNE, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | RUSSELL | 1 | 1 | 309950 | 498655 | 8.0 | POT. NARROW | 18.5 | 14.2 | 2800 | 800 | 1.5 | 0.3 |
| | | | | | | | POT. GRAMINEUS | 8.4 | 5.1 | | | | |
| | | | 2 | 309951 | 498655 | 7.0 | POT. NARROW | 83.8 | 65.9 | 3000 | 800 | 2.1 | 0.7 |
| | | | | | | | POT. RICHARDSONI | 14.3 | 11.0 | | | | |
| | | | 3 | 309953 | 498657 | 7.5 | CHARA SPP. | 12.1 | 4.6 | 2500 | 800 | 1.5 | 0.7 |
| | | | | | | | POT. NARROW | 15.3 | 11.0 | | | | |
| | | | | | | | POT. GRAMINEUS | 23.9 | 11.9 | | | | |
| | | | 4 | 309954 | 498657 | 7.0 | POT. NARROW | 45.3 | 32.9 | 3000 | 900 | 1.9 | 1.8 |
| | | | | | | | POT. RICHARDSONI | 3.1 | 2.6 | | | | |
| | | 2 | 1 | 309941 | 498653 | 9.0 | CHARA SPP. | 79.6 | 39.0 | 3500 | 1100 | 2.4 | 1.1 |
| | | | 2 | 309943 | 498654 | 8.5 | CHARA SPP. | 65.0 | 29.8 | 3700 | 1100 | 2.4 | 1.5 |
| | | | | | | | POT. NARROW | 2.7 | 2.2 | | | | |
| | | | 3 | 309944 | 498655 | 8.0 | CHARA SPP. | 121.6 | 62.6 | 3400 | 1100 | 2.2 | 1.0 |
| | | | 4 | 309946 | 498655 | 8.0 | CHARA SPP. | 71.1 | 33.6 | 3200 | 1200 | 2.1 | 1.2 |
| | | | | | | | POT. NARROW | 7.6 | 5.4 | | | | |
| | | | | | | | POT. GRAMINEUS | 20.7 | 12.2 | | | | |
| | | 3 | 1 | 309964 | 498660 | 11.0 | CHARA SPP. | 7.7 | 4.8 | 3300 | 800 | 2.0 | 0.4 |
| | | | | | | | ELODEA CANADENS | 31.4 | 22.8 | | | | |
| | | | 2 | 309964 | 498659 | 11.5 | CHARA SPP. | 6.3 | 3.3 | 3100 | 800 | 2.1 | 0.9 |
| | | | | | | | ELODEA CANADENS | 93.5 | 58.5 | | | | |
| | | | 3 | 309966 | 498660 | 12.0 | CHARA SPP. | 8.1 | 4.6 | 3000 | 900 | 2.0 | 1.7 |
| | | | | | | | ELODEA CANADENS | 99.1 | 66.2 | | | | |
| | | | 4 | 309967 | 498660 | 12.0 | CHARA SPP. | 24.3 | 13.2 | 2700 | 700 | 1.3 | 0.9 |
| | | | | | | | ELODEA CANADENS | 87.7 | 59.2 | | | | |
| | | 4 | 1 | 309958 | 498660 | 7.5 | CHARA SPP. | 2.2 | 1.3 | 3200 | 800 | 2.1 | 0.8 |
| | | | | | | | ELODEA CANADENS | 35.8 | 28.3 | | | | |
| | | | 2 | 309958 | 498659 | 7.5 | CHARA SPP. | 76.1 | 43.8 | 3200 | 900 | 2.0 | 0.7 |
| | | | | | | | ELODEA CANADENS | 77.9 | 56.2 | | | | |
| | | | | | | | POT. RICHARDSONI | 14.3 | 10.9 | | | | |
| | | | 3 | 309960 | 498659 | 8.0 | CHARA SPP. | 21.0 | 11.3 | 3100 | 1100 | 1.8 | 1.3 |
| | | | | | | | ELODEA CANADENS | 33.0 | 18.4 | | | | |
| | | | | | | | POT. NARROW | 2.0 | 1.5 | | | | |
| | | | | | | | MYRIO. SPICATUM | 81.0 | 66.0 | | | | |
| | | | 4 | 309961 | 498659 | 8.0 | CHARA SPP. | 8.6 | 4.5 | 3000 | 1000 | 2.1 | 0.5 |
| | | | | | | | ELODEA CANADENS | 126.9 | 80.9 | | | | |
| | | | | | | | POT. RICHARDSONI | 5.4 | 2.8 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 309957 | 498658 | 8.5 | CHARA SPP. | 7.5 | 3.7 | 2900 | 1700 | - | - |
| | | | | | ELODEA CANADENS | 5.4 | 3.7 | | | | |
| | | | | | POT. NARROW | 20.6 | 14.9 | | | | |
| | | | | | POT. RICHARDSONI | 38.2 | 30.1 | | | | |
| | 6 | 309959 | 498660 | 9.5 | POT. NARROW | 3.9 | 3.0 | 2900 | 1700 | - | - |
| | | | | | POT. RICHARDSONI | 36.3 | 28.3 | | | | |
| 5 | 1 | 309951 | 498660 | 6.5 | CHARA SPP. | 35.9 | 18.2 | 2800 | 900 | 1.7 | 1.3 |
| | | | | | POT. NARROW | 19.7 | 16.1 | | | | |
| | | | | | POT. GRAMINEUS | 4.5 | 3.3 | | | | |
| | 2 | 309952 | 498660 | 6.0 | CHARA SPP. | 110.8 | 67.4 | 2800 | 900 | 1.0 | 0.1 |
| | | | | | POT. NARROW | 19.6 | 14.9 | | | | |
| | 3 | 309953 | 498660 | 5.0 | POT. NARROW | 58.7 | 47.4 | 2800 | 1100 | 2.1 | 0.8 |
| | | | | | POT. GRAMINEUS | 7.5 | 5.6 | | | | |
| | 4 | 309954 | 498660 | 5.0 | CHARA SPP. | 123.4 | 70.3 | 2900 | 1300 | 1.9 | 1.0 |
| | | | | | POT. NARROW | 25.9 | 20.1 | | | | |
| | 5 | 309955 | 498659 | 7.0 | CHARA SPP. | 6.4 | 3.1 | 1500 | 1100 | - | - |
| | | | | | ELODEA CANADENS | 0.7 | 0.5 | | | | |
| | | | | | POT. NARROW | 71.9 | 54.7 | | | | |
| | | | | | POT. RICHARDSONI | 55.5 | 46.0 | | | | |
| | 6 | 309955 | 498659 | 7.5 | POT. RICHARDSONI | 93.1 | 70.1 | 1500 | 1100 | - | - |
| | | | | | POT. NARROW | 9.9 | 7.5 | | | | |
| 6 | 1 | 309946 | 498661 | 5.0 | CHARA SPP. | 33.6 | 20.8 | 2700 | 1000 | 1.5 | 0.5 |
| | 2 | 309947 | 498663 | 5.0 | CHARA SPP. | 45.0 | 27.3 | 1900 | 1100 | 1.8 | 0.3 |
| | 3 | 309947 | 498662 | 5.0 | CHARA SPP. | 29.8 | 17.8 | 2500 | 1100 | 1.6 | 1.5 |
| | 4 | 309949 | 498664 | 5.0 | CHARA SPP. | 31.8 | 16.7 | 2800 | 1200 | 1.7 | 0.1 |
| 7 | 1 | 309967 | 498665 | 5.0 | CHARA SPP. | 99.9 | 49.2 | 1700 | 900 | 1.4 | 0.5 |
| | | | | | POT. NARROW | 28.8 | 23.6 | | | | |
| | | | | | POT. GRAMINEUS | 3.8 | 3.0 | | | | |
| | 2 | 309968 | 498665 | 4.0 | CHARA SPP. | 117.2 | 61.6 | 1800 | 1000 | 1.3 | 1.0 |
| | | | | | POT. NARROW | 2.8 | 2.4 | | | | |
| | 3 | 309970 | 498665 | 4.5 | CHARA SPP. | 109.4 | 63.3 | 1800 | 1100 | 1.2 | 0.3 |
| | 4 | 309968 | 498664 | 4.5 | CHARA SPP. | 39.4 | 18.3 | 2400 | 1400 | 1.3 | 0.4 |
| | | | | | POT. NARROW | 221.9 | 175.2 | | | | |
| | 5 | 309971 | 498664 | 5.5 | CHARA SPP. | 47.0 | 19.9 | 3700 | 3300 | - | - |
| | | | | | POT. NARROW | 30.6 | 23.7 | | | | |
| | | | | | POT. GRAMINEUS | 25.9 | 18.9 | | | | |
| | 6 | 309969 | 498666 | 5.0 | CHARA SPP. | 69.0 | 22.6 | 3700 | 3300 | - | - |
| | | | | | ELODEA CANADENS | TRACE | | | | | |
| | | | | | POT. NARROW | 37.2 | 28.6 | | | | |
| | | | | | POT. GRAMINEUS | 28.7 | 21.2 | | | | |
| 8 | 1 | 309958 | 498665 | 4.0 | CHARA SPP. | 79.4 | 42.5 | 2400 | 900 | 1.7 | 1.1 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 309960 | 498666 | 4.0 | CHARA SPP. | 102.3 | 47.0 | 2300 | 1000 | 2.0 | 1.5 |
| | | | | | POT. GRAMINEUS | 2.8 | 1.6 | | | | |
| | 3 | 309961 | 498665 | 4.0 | CHARA SPP. | 106.5 | 55.6 | 1800 | 1000 | 1.9 | 1.7 |
| | 4 | 309963 | 498664 | 4.0 | CHARA SPP. | 41.9 | 20.5 | 1600 | 1000 | 2.0 | 1.7 |
| | | | | | POT. NARROW | 202.2 | 155.7 | | | | |
| | 5 | 309963 | 498665 | 4.5 | POT. NARROW | 11.3 | 9.1 | 1100 | 950 | - | - |
| | | | | | NITELLA HYALINA | 78.0 | 29.7 | | | | |
| | | | | | POT. GRAMINEUS | 25.0 | 18.3 | | | | |
| | 6 | 309964 | 498664 | 5.0 | CHARA SPP. | 67.9 | 28.3 | 1100 | 950 | - | - |
| | | | | | POT. GRAMINEUS | 17.8 | 14.5 | | | | |
| | | | | | POT. NARROW | 24.0 | 19.5 | | | | |
| 9 | 1 | 309951 | 498664 | 4.0 | CHARA SPP. | 25.0 | 13.4 | 2200 | 1000 | 1.5 | 1.1 |
| | 2 | 309955 | 498665 | 3.5 | CHARA SPP. | 1.8 | 0.8 | 2000 | 1000 | 1.0 | 0.8 |
| | | | | | POT. NARROW | 12.0 | 8.5 | | | | |
| | | | | | POT. GRAMINEUS | 7.4 | 5.4 | | | | |
| | 3 | 309954 | 498665 | 4.0 | CHARA SPP. | 5.3 | 2.5 | 2300 | 900 | 0.7 | 0.2 |
| | | | | | POT. NARROW | 87.4 | 67.8 | | | | |
| | | | | | POT. GRAMINEUS | 15.6 | 9.8 | | | | |
| | 4 | 309956 | 498665 | 4.0 | CHARA SPP. | 0.8 | 0.7 | 2500 | 1300 | 0.8 | 0.5 |
| | | | | | POT. NARROW | 127.6 | 98.6 | | | | |
| | | | | | POT. GRAMINEUS | 7.9 | 5.9 | | | | |
| | 5 | 309951 | 498668 | 4.5 | CHARA SPP. | 87.6 | 30.7 | 3700 | 3500 | - | - |
| | 6 | 309951 | 498668 | 4.5 | CHARA SPP. | 73.5 | 27.1 | 3700 | 3500 | - | - |
| | | | | | POT. GRAMINEUS | 8.1 | 6.1 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JUNE, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | BELLE | 1 | 1 | 312757 | 499947 | 7.5 | POT. GRAMINEUS | 35.9 | 27.1 | 500 | 20 | 0.4 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 7.0 | 4.1 | | | | |
| | | | 2 | 312758 | 499947 | 7.0 | CHARA SPP. | 0.5 | 0.1 | 500 | 20 | 0.4 | 0.1 |
| | | | | | | | POT. GRAMINEUS | 32.2 | 24.2 | | | | |
| | | | | | | | POT. RICHARDSONI | 9.7 | 8.3 | | | | |
| | | | | | | | VALLISNERIA AMER | 6.8 | 3.8 | | | | |
| | | | 3 | 312758 | 499947 | 7.5 | CHARA SPP. | 1.1 | 0.1 | 500 | 20 | 0.4 | 0.1 |
| | | | | | | | POT. GRAMINEUS | 48.0 | 37.3 | | | | |
| | | | | | | | VALLISNERIA AMER | 1.6 | 0.7 | | | | |
| | | 2 | 1 | 312761 | 499954 | 9.5 | POT. NARROW | 0.2 | 0.1 | 480 | 20 | 0.7 | 0.5 |
| | | | | | | | NITELLA HYALINA | 6.2 | 1.7 | | | | |
| | | | | | | | VALLISNERIA AMER | 2.6 | 1.9 | | | | |
| | | | 2 | 312761 | 499954 | 9.5 | CHARA SPP. | 4.4 | 1.6 | 480 | 20 | 0.7 | 0.5 |
| | | | | | | | POT. NARROW | 0.1 | 0.0 | | | | |
| | | | | | | | VALLISNERIA AMER | 3.1 | 2.2 | | | | |
| | | | 3 | 312761 | 499954 | 9.5 | CHARA SPP. | 4.1 | 1.1 | 480 | 20 | 0.7 | 0.5 |
| | | | | | | | VALLISNERIA AMER | 30.8 | 15.0 | | | | |
| | | 3 | 1 | 312778 | 499966 | 7.5 | POT. NARROW | 0.4 | 0.2 | 500 | 29 | - | - |
| | | | | | | | VALLISNERIA AMER | 2.9 | 1.9 | | | | |
| | | | 2 | 312777 | 499965 | 9.0 | CHARA SPP. | 2.3 | 0.7 | 500 | 29 | - | - |
| | | | | | | | POT. NARROW | 1.2 | 0.8 | | | | |
| | | | | | | | VALLISNERIA AMER | 6.7 | 4.7 | | | | |
| | | | 3 | 312777 | 499968 | 10.0 | CHARA SPP. | 1.6 | 0.3 | 500 | 29 | - | - |
| | | | | | | | POT. RICHARDSONI | 1.1 | 0.7 | | | | |
| | | | | | | | POT. NARROW | 3.9 | 2.2 | | | | |
| | | | | | | | VALLISNERIA AMER | 5.8 | 3.6 | | | | |
| | | | 4 | 312782 | 499965 | 9.5 | CHARA SPP. | TRACE | | 3700 | 450 | - | - |
| | | | | | | | ELODEA CANADENS | TRACE | | | | | |
| | | | | | | | POT. CRISPUS | 8.6 | 6.8 | | | | |
| | | | | | | | POT. RICHARDSONI | 7.6 | 5.5 | | | | |
| | | | | | | | POT. NARROW | 11.7 | 8.8 | | | | |
| | | | | | | | VALLISNERIA AMER | 4.5 | 3.4 | | | | |
| | | | 5 | 312782 | 499966 | 9.5 | POT. CRISPUS | 5.4 | 3.7 | 3700 | 450 | - | - |
| | | | | | | | POT. RICHARDSONI | 22.4 | 13.7 | | | | |
| | | | | | | | VALLISNERIA AMER | 1.8 | 1.2 | | | | |
| | | | 6 | 312782 | 499967 | 9.5 | ELODEA CANADENS | 0.3 | 0.1 | 3700 | 450 | - | - |
| | | | | | | | NITELLA HYALINA | 0.1 | 0.0 | | | | |
| | | | | | | | POT. CRISPUS | 27.2 | 20.7 | | | | |
| | | | | | | | POT. NARROW | 0.3 | 0.2 | | | | |
| | | 4 | 1 | 312786 | 499972 | 9.5 | CHARA SPP. | 1.4 | 0.3 | 450 | 21 | 0.7 | 0.5 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. NARROW | 0.9 | 0.5 | | | | |
| | | | | | MYRIO. SPICATUM | 0.2 | 0.0 | | | | |
| | | | | | POT. NARROW | 1.4 | 1.0 | | | | |
| | | | | | VALLISNERIA AMER | 0.7 | 0.6 | | | | |
| | 2 | 312786 | 499971 | 9.5 | NITELLA HYALINA | 58.4 | -0.1 | 450 | 21 | 0.7 | 0.5 |
| | | | | | POT. NARROW | 3.0 | 1.9 | | | | |
| | | | | | VALLISNERIA AMER | 5.8 | 4.0 | | | | |
| | 3 | 312786 | 499972 | 9.5 | CHARA SPP. | 41.1 | 10.2 | 450 | 21 | 0.7 | 0.5 |
| | | | | | POT. NARROW | 0.8 | 0.5 | | | | |
| | | | | | VALLISNERIA AMER | 2.8 | 2.0 | | | | |
| 5 | 1 | 312802 | 499983 | 7.5 | POT. NARROW | 24.2 | 16.8 | 550 | 25 | 0.8 | 0.7 |
| | | | | | NITELLA HYALINA | 40.0 | 8.5 | | | | |
| | 2 | 312807 | 499983 | 8.0 | POT. CRISPUS | 0.7 | 0.5 | 550 | 25 | 0.8 | 0.7 |
| | | | | | POT. NARROW | 0.5 | 0.2 | | | | |
| | | | | | VALLISNERIA AMER | 8.3 | 4.1 | | | | |
| | 3 | 312802 | 499982 | 11.0 | NITELLA HYALINA | 7.1 | 2.1 | 550 | 25 | 0.8 | 0.7 |
| | | | | | POT. NARROW | 1.0 | 0.7 | | | | |
| | | | | | VALLISNERIA AMER | 6.4 | 3.4 | | | | |
| 6 | 1 | 312809 | 499987 | 9.5 | NITELLA HYALINA | 1.6 | 0.3 | 380 | 30 | 1.2 | 0.9 |
| | | | | | POT. GRAMINEUS | 8.6 | 3.9 | | | | |
| | | | | | VALLISNERIA AMER | 1.3 | 0.0 | | | | |
| | 2 | 312809 | 499987 | 9.5 | CHARA SPP. | 0.3 | 0.0 | 330 | 33 | 1.2 | 0.9 |
| | | | | | POT. GRAMINEUS | 7.4 | 6.9 | | | | |
| | | | | | POT. NARROW | 0.2 | 0.1 | | | | |
| | | | | | VALLISNERIA AMER | 1.0 | 0.5 | | | | |
| | 3 | 312809 | 499985 | 9.5 | CHARA SPP. | 5.7 | 1.2 | 330 | 33 | 1.2 | 0.9 |
| | | | | | POT. NARROW | 1.0 | 0.5 | | | | |
| | | | | | POT. RICHARDSONI | 5.9 | 4.1 | | | | |
| | | | | | VALLISNERIA AMER | 1.9 | 1.3 | | | | |
| 7 | 1 | 312853 | 499997 | 3.5 | CHARA SPP. | 186.7 | 83.3 | 400 | 170 | 0.1 | 0.0 |
| | 2 | 312853 | 499994 | 3.0 | CHARA SPP. | 62.6 | 14.0 | 400 | 170 | 0.1 | 0.0 |
| | | | | | VALLISNERIA AMER | 0.6 | 0.3 | | | | |
| | 3 | 312853 | 499995 | 3.5 | NITELLA HYALINA | 33.1 | 6.7 | 400 | 170 | 0.1 | 0.0 |
| 8 | 1 | 312845 | 499996 | 2.0 | MYRIO. SPICATUM | 61.1 | 36.1 | 170 | 56 | 0.3 | 0.2 |
| | | | | | NITELLA HYALINA | 48.8 | 17.5 | | | | |
| | | | | | VALLISNERIA AMER | 2.0 | 1.6 | | | | |
| | 2 | 312845 | 499996 | 2.0 | MYRIO. SPICATUM | 27.2 | 17.1 | 170 | 56 | 0.3 | 0.2 |
| | | | | | NITELLA HYALINA | 53.7 | 21.5 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| | 3 | 312845 | 499996 | 2.0 | MYRIO. SPICATUM | 47.9 | 27.5 | 170 | 56 | 0.3 | 0.2 |
| | | | | | NITELLA HYALINA | 19.5 | 6.7 | | | | |
| | | | | | VALLISNERIA AMER | 0.7 | 0.4 | | | | |
| 9 | 1 | 312837 | 499995 | 6.5 | ELODEA CANADENS | TRACE | | 100 | 30 | 0.3 | 0.3 |
| | | | | | NITELLA HYALINA | 116.8 | 33.1 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 312836 | 499994 | 6.5 | CHARA SPP. | 170.7 | 55.0 | 100 | 30 | 0.3 | 0.3 |
| | 3 | 312838 | 499995 | 6.5 | CHARA SPP. | 166.1 | 66.5 | 100 | 30 | 0.3 | 0.3 |
| | | | | | VALLISNERIA AMER | 0.3 | 0.1 | | | | |
| | 4 | 312835 | 499998 | 9.5 | MYRIO. SPICATUM | TRACE | | 220 | 38 | 0.8 | 0.7 |
| | | | | | NITELLA HYALINA | 28.7 | 7.7 | | | | |
| | | | | | POT. RICHARDSONI | 11.2 | 9.3 | | | | |
| | | | | | POT. NARROW | 8.8 | 6.9 | | | | |
| | | | | | VALLISNERIA AMER | 3.6 | 2.6 | | | | |
| | 5 | 312836 | 499996 | 10.0 | NITELLA HYALINA | 10.1 | 2.6 | 220 | 38 | 0.8 | 0.7 |
| | | | | | POT. RICHARDSONI | 22.9 | 17.2 | | | | |
| | | | | | POT. NARROW | 5.1 | 2.5 | | | | |
| | 6 | 312836 | 499995 | 10.0 | ELODEA CANADENS | 0.9 | 0.5 | 220 | 38 | 0.8 | 0.7 |
| | | | | | NITELLA HYALINA | 24.5 | 5.7 | | | | |
| | | | | | POT. NARROW | 5.8 | 3.2 | | | | |
| | | | | | VALLISNERIA AMER | 4.4 | 3.3 | | | | |
| | 7 | 312835 | 499995 | 10.0 | NITELLA HYALINA | 27.0 | 7.1 | 220 | 38 | 0.8 | 0.7 |
| | | | | | POT. NARROW | 19.3 | 12.1 | | | | |
| | | | | | VALLISNERIA AMER | 1.9 | 1.4 | | | | |
| | 8 | 312835 | 499995 | 10.0 | NITELLA HYALINA | 31.3 | 8.7 | 220 | 38 | 0.8 | 0.7 |
| | | | | | POT. RICHARDSONI | 1.6 | 1.0 | | | | |
| | | | | | POT. NARROW | 7.9 | 5.4 | | | | |
| | | | | | VALLISNERIA AMER | 8.6 | 6.2 | | | | |
| | 9 | 312839 | 499997 | 10.0 | NITELLA HYALINA | 82.3 | 43.2 | 220 | 38 | 0.8 | 0.7 |
| | | | | | POT. RICHARDSONI | 12.8 | 10.7 | | | | |
| | | | | | POT. NARROW | 5.0 | 3.5 | | | | |
| | | | | | VALLISNERIA AMER | 0.1 | 0.1 | | | | |
| 10 | 1 | 312827 | 499992 | 6.5 | NITELLA HYALINA | 49.8 | 4.0 | 560 | 100 | 0.9 | 0.8 |
| | | | | | POT. NARROW | 0.5 | 0.3 | | | | |
| | | | | | VALLISNERIA AMER | 1.2 | 0.8 | | | | |
| | 2 | 312827 | 499992 | 6.5 | CHARA SPP. | 25.2 | 5.9 | 560 | 100 | 0.9 | 0.8 |
| | | | | | POT. GRAMINEUS | 3.1 | 2.3 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | | | | | VALLISNERIA AMER | 1.5 | 1.0 | | | | |
| | 3 | 312827 | 499992 | 6.5 | NITELLA HYALINA | 69.8 | 17.7 | 560 | 100 | 0.9 | 0.8 |
| | | | | | POT. CRISPUS | 0.5 | 0.4 | | | | |
| | | | | | POT. NARROW | 3.3 | 2.4 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JUNE, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | HENNEPIN | 1 | 1 | 314069 | 500673 | 6.0 | CHARA SPP. | TRACE | | 3400 | 1100 | 0.4 | 0.1 |
| | | | | | | | POT. NARROW | 32.6 | 24.3 | | | | |
| | | | | | | | VALLISNERIA AMER | 3.6 | 2.6 | | | | |
| | | | 2 | 314070 | 500673 | 5.0 | POT. NARROW | 10.8 | 7.5 | 3400 | 1300 | 0.4 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 5.4 | 3.5 | | | | |
| | | | 3 | 314067 | 500674 | 6.0 | POT. NARROW | 36.7 | 23.8 | 3500 | 1500 | 0.4 | 0.2 |
| | | | 4 | 314069 | 500672 | 6.0 | POT. NARROW | 12.2 | 9.1 | 3800 | 1800 | 0.3 | 0.2 |
| | | 2 | 1 | 314064 | 500680 | 8.0 | POT. RICHARDSONI | 1.8 | 1.3 | 3500 | 620 | 0.5 | 0.0 |
| | | | | | | | POT. NARROW | 4.3 | 3.0 | | | | |
| | | | | | | | VALLISNERIA AMER | 5.1 | 2.3 | | | | |
| | | | 2 | 314065 | 500680 | 8.0 | POT. NARROW | 25.8 | 17.1 | 3500 | 1200 | 0.3 | 0.2 |
| | | | 3 | 314068 | 500683 | 7.0 | POT. NARROW | 57.6 | 39.5 | 3500 | 820 | 0.4 | 0.2 |
| | | | 4 | 314068 | 500682 | 7.0 | POT. NARROW | 22.9 | 15.3 | 3600 | 300 | 0.7 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 4.2 | 3.0 | | | | |
| | | 3 | 1 | 314078 | 500687 | 6.0 | CHARA SPP. | 4.2 | 1.2 | 3800 | 1500 | 0.1 | 0.1 |
| | | | | | | | POT. NARROW | 35.4 | 21.5 | | | | |
| | | | | | | | VALLISNERIA AMER | 0.7 | 0.4 | | | | |
| | | | 2 | 314078 | 500688 | 6.0 | POT. NARROW | 81.5 | 44.1 | 3500 | 280 | 0.2 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 3.0 | 1.9 | | | | |
| | | | 3 | 314080 | 500685 | 7.0 | CHARA SPP. | TRACE | | 3400 | 430 | 0.3 | 0.1 |
| | | | | | | | POT. NARROW | 54.7 | -0.1 | | | | |
| | | | | | | | VALLISNERIA AMER | 0.6 | 0.4 | | | | |
| | | | 4 | 314077 | 500685 | 7.0 | CHARA SPP. | TRACE | | 4000 | 320 | 0.1 | 0.1 |
| | | | | | | | POT. NARROW | 23.2 | 13.5 | | | | |
| | | | | | | | VALLISNERIA AMER | 6.9 | 5.5 | | | | |
| | | 4 | 1 | 314088 | 500692 | 7.0 | CHARA SPP. | 3.0 | 0.8 | 1000 | 430 | 0.0 | 0.0 |
| | | | | | | | POT. NARROW | 16.7 | 10.9 | | | | |
| | | | 2 | 314090 | 500695 | 6.0 | CHARA SPP. | 1.1 | 0.3 | 1800 | 630 | 0.1 | 0.1 |
| | | | | | | | POT. NARROW | 1.7 | 1.0 | | | | |
| | | | | | | | VALLISNERIA AMER | 3.6 | 2.3 | | | | |
| | | | 3 | 314089 | 500691 | 6.0 | CHARA SPP. | 40.3 | 9.4 | 4400 | 360 | 0.2 | 0.2 |
| | | | | | | | POT. NARROW | 25.6 | 15.3 | | | | |
| | | | | | | | VALLISNERIA AMER | 3.9 | 2.8 | | | | |
| | | | 4 | 314089 | 500694 | 6.0 | POT. NARROW | 86.6 | 55.7 | 3500 | 440 | 0.1 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 4.0 | 3.0 | | | | |
| | | 5 | 1 | 314076 | 500695 | 6.0 | POT. NARROW | 0.6 | 0.4 | 3700 | 540 | 0.4 | 0.2 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 314073 | 500693 | 6.0 | NITELLA HYALINA | 1.2 | 0.3 | 3600 | 420 | 0.2 | 0.2 |
| | | | | | POT. NARROW | 22.5 | 14.9 | | | | |
| | | | | | VALLISNERIA AMER | 2.2 | 1.5 | | | | |
| | 3 | 314073 | 500693 | 6.0 | NITELLA HYALINA | 15.1 | 5.3 | 3900 | 720 | 0.1 | 0.1 |
| | | | | | POT. NARROW | 1.8 | 1.3 | | | | |
| | | | | | VALLISNERIA AMER | 0.4 | 0.3 | | | | |
| | 4 | 314071 | 500692 | 7.0 | CHARA SPP. | 3.5 | 1.3 | 3600 | 1500 | 0.7 | 0.2 |
| | | | | | POT. NARROW | 5.8 | 3.6 | | | | |
| | | | | | VALLISNERIA AMER | 3.8 | 2.8 | | | | |
| 6 | 1 | 314082 | 500700 | 6.0 | CHARA SPP. | 108.4 | 26.3 | 3400 | 1400 | 0.0 | 0.0 |
| | | | | | VALLISNERIA AMER | 0.4 | 0.3 | | | | |
| | 2 | 314083 | 500702 | 5.5 | NITELLA HYALINA | 96.9 | 23.1 | 3800 | 1300 | 0.5 | 0.2 |
| | | | | | POT. NARROW | 4.1 | 2.6 | | | | |
| | | | | | VALLISNERIA AMER | 3.5 | 2.4 | | | | |
| | 3 | 314084 | 500702 | 5.5 | NITELLA HYALINA | 43.2 | 12.5 | 3800 | 1400 | 0.2 | 0.2 |
| | | | | | VALLISNERIA AMER | 4.5 | 3.2 | | | | |
| | 4 | 314090 | 500700 | 6.5 | NITELLA HYALINA | 20.0 | 4.6 | 3200 | 610 | 0.0 | 0.0 |
| | | | | | POT. NARROW | 45.9 | 23.5 | | | | |
| | 5 | 314091 | 500701 | 6.0 | NITELLA HYALINA | 10.5 | 2.0 | 3100 | 570 | 0.3 | 0.2 |
| | | | | | POT. NARROW | 24.7 | 17.1 | | | | |
| | 6 | 314091 | 500700 | 6.0 | NITELLA HYALINA | 69.5 | 16.6 | 3400 | 520 | 0.6 | 0.2 |
| | | | | | POT. NARROW | 14.5 | 10.2 | | | | |
| 7 | 1 | 314094 | 500706 | 6.0 | NITELLA HYALINA | 88.2 | 27.7 | 2400 | 920 | 0.1 | 0.1 |
| | | | | | POT. NARROW | 8.3 | 5.5 | | | | |
| | 2 | 314095 | 500706 | 6.0 | CHARA SPP. | 120.2 | 33.5 | 2400 | 860 | 0.2 | 0.1 |
| | 3 | 314096 | 500707 | 6.0 | NITELLA HYALINA | 74.5 | 17.1 | 2900 | 670 | 0.5 | 0.3 |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| 8 | 1 | 314077 | 500704 | 5.0 | POT. NARROW | 36.7 | 27.2 | 2900 | 1200 | 0.3 | 0.2 |
| | | | | | VALLISNERIA AMER | 3.8 | 2.8 | | | | |
| | 2 | 314078 | 500704 | 5.0 | NITELLA HYALINA | 3.3 | 0.5 | 2800 | 1300 | 0.3 | 0.1 |
| | | | | | POT. NARROW | 27.8 | 19.6 | | | | |
| | | | | | VALLISNERIA AMER | 4.5 | 3.4 | | | | |
| | 3 | 314078 | 500704 | 5.0 | POT. NARROW | 24.4 | 15.8 | 3200 | 760 | 0.0 | 0.0 |
| | | | | | VALLISNERIA AMER | 11.9 | 7.6 | | | | |
| | 4 | 314079 | 500704 | 6.0 | POT. CRISPUS | 44.8 | 31.4 | 3700 | 940 | 0.1 | 0.1 |
| | | | | | POT. NARROW | 31.9 | 21.1 | | | | |
| | 5 | 314082 | 500705 | 5.0 | MYRIO. SPICATUM | 164.1 | 125.6 | 2800 | 380 | 0.5 | 0.3 |
| | 6 | 314080 | 500707 | 5.0 | MYRIO. SPICATUM | 79.6 | 59.1 | 3100 | 640 | 0.1 | 0.0 |
| | 7 | 314081 | 500707 | 5.0 | MYRIO. SPICATUM | 128.8 | 96.5 | 3500 | 2300 | 0.3 | 0.2 |
| | | | | | VALLISNERIA AMER | 1.1 | 0.7 | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 1 | 314087 | 500710 | 5.5 | POT. NARROW | 41.5 | 27.4 | 3500 | 140 | 0.1 | 0.1 |
| | 2 | 314088 | 500711 | 5.5 | POT. NARROW | 37.5 | 23.2 | 3800 | 170 | 0.0 | 0.0 |
| | 3 | 314086 | 500709 | 6.0 | POT. NARROW | 33.1 | 22.1 | 4300 | 430 | 0.1 | 0.0 |
| | 4 | 314086 | 500713 | 6.0 | POT. CRISPUS | 126.2 | 99.5 | 4200 | 570 | 0.0 | 0.0 |
| | | | | | POT. NARROW | 11.6 | 8.6 | | | | |
| | 5 | 314088 | 500715 | 6.0 | MYRIO. SPICATUM | TRACE | | 3800 | 190 | 0.3 | 0.3 |
| | | | | | POT. CRISPUS | 130.0 | 103.4 | | | | |
| | | | | | POT. NARROW | 10.8 | 8.2 | | | | |
| | 6 | 314089 | 500714 | 6.0 | POT. CRISPUS | 35.3 | 27.2 | 4700 | 490 | 0.0 | 0.0 |
| | | | | | POT. NARROW | 28.4 | 19.9 | | | | |
| 10 | 1 | 314100 | 500718 | 6.0 | CHARA SPP. | 6.5 | 2.9 | 4100 | 160 | 0.2 | 0.0 |
| | | | | | POT. NARROW | 54.1 | 40.2 | | | | |
| | 2 | 314100 | 500718 | 6.0 | POT. NARROW | 26.5 | 18.2 | 4100 | 510 | 0.0 | 0.0 |
| | 3 | 314101 | 500719 | 6.0 | POT. NARROW | 41.5 | 29.7 | 3500 | 1000 | 0.0 | 0.0 |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| 11 | 1 | 314088 | 500715 | 6.0 | POT. NARROW | 77.5 | 53.6 | 4200 | 600 | 0.0 | 0.0 |
| | | | | | VALLISNERIA AMER | 2.0 | 1.5 | | | | |
| | 2 | 314088 | 500715 | 6.0 | POT. NARROW | 40.0 | 25.8 | 3600 | 340 | 0.0 | 0.0 |
| | | | | | VALLISNERIA AMER | 9.2 | 6.5 | | | | |
| | 3 | 314090 | 500718 | 6.0 | POT. NARROW | 36.1 | 23.5 | 4100 | 150 | 0.0 | 0.0 |
| | | | | | VALLISNERIA AMER | 6.2 | 4.2 | | | | |
| 12 | 1 | 314099 | 500728 | 7.0 | CHARA SPP. | 2.8 | 0.8 | 3800 | 1100 | 0.0 | 0.0 |
| | | | | | POT. NARROW | 25.0 | 17.0 | | | | |
| | 2 | 314099 | 500728 | 7.0 | CHARA SPP. | 10.9 | 3.7 | 4100 | 1000 | 0.0 | 0.0 |
| | | | | | POT. NARROW | 35.5 | 24.1 | | | | |
| | | | | | VALLISNERIA AMER | 3.2 | 2.3 | | | | |
| | 3 | 314099 | 500728 | 6.5 | CHARA SPP. | 1.6 | 0.6 | 4700 | 1400 | 0.0 | 0.0 |
| | | | | | POT. NARROW | 40.1 | 25.1 | | | | |
| | | | | | VALLISNERIA AMER | 1.1 | 0.8 | | | | |
| 13 | 1 | 314099 | 500732 | 12.0 | NO PLANTS PRESENT | | | 3800 | 360 | 1.4 | 0.8 |
| | 2 | 314100 | 500733 | 12.0 | NO PLANTS PRESENT | | | 4100 | 340 | 0.5 | 0.4 |
| | 3 | 314102 | 500735 | 10.0 | NO PLANTS PRESENT | | | 4200 | 410 | 0.6 | 0.4 |
| 14 | 1 | 314109 | 500739 | 9.0 | POT. NARROW | 1.3 | 0.8 | 4100 | 430 | 0.3 | 0.0 |
| | 2 | 314109 | 500738 | 9.0 | POT. NARROW | 2.4 | 1.4 | 4500 | 860 | 0.0 | 0.1 |
| | | | | | VALLISNERIA AMER | 0.4 | 0.3 | | | | |
| | 3 | 314110 | 500740 | 8.5 | POT. NARROW | 0.8 | 0.5 | 4100 | 910 | 0.0 | 0.0 |

SUBMERSED MACROPHYTE PONAR DATA, JUNE, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | STONY | 1 | 1 | 314225 | 500979 | 7.5 | POT. NARROW | 12.2 | 4.9 | 4400 | 850 | 0.9 | 0.7 |
| | | | | | | | VALLISNERIA AMER | 12.2 | 8.9 | | | | |
| | | | 2 | 314225 | 500980 | 8.0 | POT. NARROW | 5.0 | 2.3 | 4400 | 850 | 0.9 | 0.7 |
| | | | | | | | VALLISNERIA AMER | 8.2 | 2.4 | | | | |
| | | | 3 | 314225 | 500980 | 7.0 | POT. NARROW | 4.1 | 2.6 | 4400 | 850 | 0.9 | 0.7 |
| | | | | | | | VALLISNERIA AMER | 1.7 | 1.1 | | | | |
| | | 2 | 1 | 314215 | 500977 | 7.0 | POT. NARROW | 7.9 | 4.4 | 4000 | 1200 | 0.7 | 0.7 |
| | | | | | | | VALLISNERIA AMER | 4.5 | 3.4 | | | | |
| | | | 2 | 314215 | 500977 | 7.0 | POT. NARROW | 3.7 | 1.8 | 4000 | 1200 | 0.7 | 0.7 |
| | | | | | | | VALLISNERIA AMER | 0.2 | 0.1 | | | | |
| | | | 3 | 314216 | 500977 | 7.0 | CHARA SPP. | 4.0 | 0.8 | 4000 | 1200 | 0.7 | 0.7 |
| | | | | | | | POT. NARROW | 9.0 | 6.1 | | | | |
| | | | | | | | VALLISNERIA AMER | 6.2 | 4.7 | | | | |
| | | 3 | 1 | 314201 | 500978 | 6.5 | ELODEA CANADENS | 1.4 | 0.7 | 3600 | 920 | 0.1 | 0.0 |
| | | | | | | | MYRIO. SPICATUM | 25.0 | 16.5 | | | | |
| | | | | | | | POT. NARROW | 3.0 | 2.0 | | | | |
| | | | | | | | VALLISNERIA AMER | 17.1 | 11.5 | | | | |
| | | | 2 | 314200 | 500976 | 8.0 | ELODEA CANADENS | 0.3 | 0.2 | 3500 | 250 | 0.5 | 0.2 |
| | | | | | | | MYRIO. SPICATUM | TRACE | | | | | |
| | | | | | | | POT. CRISPUS | 82.6 | 47.4 | | | | |
| | | | 3 | 314200 | 500975 | 7.5 | POT. CRISPUS | 46.0 | 27.7 | 3600 | 200 | 0.3 | 0.2 |
| | | | 4 | 314206 | 500978 | 6.5 | POT. CRISPUS | 18.6 | 9.4 | 3500 | 1000 | 0.4 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 15.4 | 10.5 | | | | |
| | | | 5 | 314202 | 500978 | 6.5 | MYRIO. SPICATUM | 3.1 | 2.2 | 4000 | 650 | 0.0 | 0.0 |
| | | | | | | | POT. GRAMINEUS | 34.0 | 25.6 | | | | |
| | | | | | | | POT. NARROW | 1.7 | 0.8 | | | | |
| | | | 6 | 314201 | 500977 | 6.5 | POT. GRAMINEUS | 25.2 | 19.5 | 4000 | 1200 | 0.1 | 0.1 |
| | | | | | | | RANUN. LONGIROST | 1.7 | 1.5 | | | | |
| | | | 7 | 314201 | 500977 | 6.5 | MYRIO. SPICATUM | 11.2 | 7.4 | 4000 | 1200 | 0.1 | 0.1 |
| | | | | | | | POT. NARROW | 3.2 | 2.1 | | | | |
| | | | | | | | VALLISNERIA AMER | 1.2 | 0.7 | | | | |
| | | | 8 | 314201 | 500977 | 6.0 | POT. RICHARDSONI | 49.6 | 35.9 | 4000 | 1200 | 0.1 | 0.1 |
| | | | | | | | POT. NARROW | 1.0 | 0.8 | | | | |
| | | | | | | | VALLISNERIA AMER | 1.6 | 0.9 | | | | |
| | | | 9 | 314202 | 500978 | 6.0 | MYRIO. SPICATUM | 27.8 | 19.8 | 4000 | 1200 | 0.1 | 0.1 |
| | | | | | | | POT. NARROW | 0.7 | 0.5 | | | | |
| | | | | | | | VALLISNERIA AMER | 2.8 | 1.7 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 1 | 314194 | 500974 | 8.0 | POT. RICHARDSONI | 46.3 | 32.1 | 4200 | 420 | 0.4 | 0.2 |
| | | | | | POT. NARROW | 4.7 | 0.2 | | | | |
| | 2 | 314194 | 500975 | 8.0 | ELODEA CANADENS | 0.2 | 0.0 | 4200 | 420 | 0.4 | 0.2 |
| | | | | | MYRIO. SPICATUM | 0.6 | 0.3 | | | | |
| | | | | | POT. RICHARDSONI | 34.7 | 17.6 | | | | |
| | | | | | POT. NARROW | 0.2 | 0.1 | | | | |
| | | | | | VALLISNERIA AMER | 4.4 | 3.1 | | | | |
| | 3 | 314195 | 500975 | 8.0 | POT. RICHARDSONI | 45.6 | 34.6 | 4200 | 420 | 0.4 | 0.2 |
| 5 | 1 | 314232 | 500986 | 9.0 | POT. NARROW | 1.4 | 0.3 | 3900 | 760 | 0.4 | 0.4 |
| | | | | | VALLISNERIA AMER | 31.3 | 19.8 | | | | |
| | 2 | 314233 | 500986 | 8.0 | HETERANTHERA DUB | 0.7 | 0.3 | 3900 | 760 | 0.4 | 0.4 |
| | | | | | VALLISNERIA AMER | 17.4 | 12.5 | | | | |
| | 3 | 314232 | 500986 | 8.0 | POT. NARROW | 0.8 | 0.5 | 3900 | 760 | 0.4 | 0.4 |
| | | | | | VALLISNERIA AMER | 19.3 | 14.0 | | | | |
| | 4 | 314233 | 500991 | 4.0 | POT. CRISPUS | 186.2 | 133.4 | 3900 | 1100 | 0.3 | 0.2 |
| | | | | | VALLISNERIA AMER | 4.1 | 3.4 | | | | |
| | 5 | 314233 | 500991 | 4.0 | POT. CRISPUS | 378.9 | 279.8 | 3900 | 1100 | 0.3 | 0.2 |
| | 6 | 314233 | 500991 | 4.0 | MYRIO. SPICATUM | 7.3 | 5.1 | 3900 | 1100 | 0.3 | 0.2 |
| | | | | | POT. CRISPUS | 26.1 | 20.6 | | | | |
| 6 | 1 | 314225 | 500986 | 4.0 | ELODEA CANADENS | 40.5 | -0.1 | 3000 | 18 | 0.1 | 0.1 |
| | | | | | HETERANTHERA DUB | 3.0 | 1.4 | | | | |
| | | | | | POT. CRISPUS | 223.7 | 157.9 | | | | |
| | | | | | RANUN. LONGIROST | 2.1 | 1.7 | | | | |
| | 2 | 314225 | 500987 | 3.5 | ELODEA CANADENS | 166.7 | 112.0 | 3000 | 18 | 0.1 | 0.1 |
| | | | | | RANUN. LONGIROST | 402.7 | 279.1 | | | | |
| | 3 | 314224 | 500986 | 4.0 | ELODEA CANADENS | 141.9 | 108.0 | 3000 | 18 | 0.1 | 0.1 |
| | | | | | HETERANTHERA DUB | 16.0 | 12.2 | | | | |
| | | | | | MYRIO. SPICATUM | 6.0 | 4.8 | | | | |
| | | | | | POT. CRISPUS | 143.9 | 111.5 | | | | |
| | | | | | RANUN. LONGIROST | 3.1 | 2.5 | | | | |
| 7 | 1 | 314242 | 500998 | 3.5 | POT. CRISPUS | 256.2 | 211.3 | 640 | 25 | 0.1 | 0.0 |
| | | | | | POT. NARROW | 1.7 | 1.3 | | | | |
| | 2 | 314242 | 500998 | 4.0 | POT. CRISPUS | 70.1 | 57.4 | 640 | 25 | 0.1 | 0.0 |
| | 3 | 314242 | 500997 | 5.0 | HETERANTHERA DUB | 9.0 | 5.4 | 640 | 25 | 0.1 | 0.0 |
| | | | | | POT. CRISPUS | 112.4 | 90.1 | | | | |
| 8 | 1 | 314232 | 500994 | 3.5 | POT. CRISPUS | 394.2 | 232.8 | 2500 | 11 | 0.1 | 0.0 |
| | 2 | 314232 | 500995 | 4.0 | POT. CRISPUS | 282.6 | 213.6 | 2500 | 11 | 0.1 | 0.0 |
| | 3 | 314232 | 500995 | 4.0 | ELODEA CANADENS | 0.6 | 0.5 | 2500 | 11 | 0.1 | 0.0 |
| | | | | | HETERANTHERA DUB | 0.8 | 0.6 | | | | |
| | | | | | POT. CRISPUS | 174.2 | 127.5 | | | | |
| 9 | 1 | 314257 | 501003 | 7.0 | NO PLANTS PRESENT | | | 3500 | 1000 | 1.6 | 1.6 |
| | 2 | 314262 | 501002 | 10.0 | NO PLANTS PRESENT | | | 2900 | 630 | 2.4 | 2.4 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 314262 | 501002 | 10.0 | NO PLANTS PRESENT | | | 2900 | 630 | 2.4 | 2.4 |
| 10 | 1 | 314254 | 501003 | 5.0 | HETERANTHERA DUB | 61.3 | 44.9 | 4100 | 1700 | 1.4 | 1.2 |
| | | | | | POT. CRISPUS | 24.4 | 13.9 | | | | |
| | 2 | 314255 | 501005 | 6.5 | POT. CRISPUS | 3.9 | 2.8 | 4100 | 1800 | 1.5 | 1.2 |
| | | | | | POT. NARROW | 3.7 | 2.6 | | | | |
| | 3 | 314254 | 501003 | 6.5 | POT. CRISPUS | 9.4 | 7.8 | 3900 | 1700 | 1.4 | 1.0 |
| 11 | 1 | 314267 | 501013 | 6.5 | NO PLANTS PRESENT | | | 3000 | 1100 | 2.6 | 1.9 |
| | 2 | 314267 | 501013 | 6.5 | NO PLANTS PRESENT | | | 3000 | 1100 | 2.6 | 1.9 |
| | 3 | 314267 | 501013 | 6.0 | NO PLANTS PRESENT | | | 3000 | 1100 | 2.6 | 1.9 |

SUBMERSED MACROPHYTE PONAR DATA, JULY-AUGUST, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR STAG | | 1 | 1 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | | | 2 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | | | 3 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | | 2 | 1 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | | | 2 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | | | 3 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | | 3 | 1 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | | | 2 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | | | 3 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | | 4 | 1 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | | | 2 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | | | 3 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | | 5 | 1 | 309035 | 497396 | 6.0 | POT. GRAMINEUS | 32.9 | 25.1 | 500 | 350 | 1.0 | 0.6 |
| | | | 2 | 309035 | 497396 | 6.0 | CHARA SPP. | 12.0 | 4.1 | 500 | 350 | 1.0 | 0.6 |
| | | | | | | | POT. GRAMINEUS | 56.2 | 43.4 | | | | |
| | | | | | | | POT. NARROW | 14.2 | 11.3 | | | | |
| | | | 3 | 309035 | 497396 | 5.5 | CHARA SPP. | 0.4 | 0.1 | 500 | 350 | 1.0 | 0.6 |
| | | | | | | | POT. GRAMINEUS | 33.7 | 27.1 | | | | |
| | | | | | | | POT. NARROW | 103.7 | 86.1 | | | | |
| | | | 4 | 309035 | 497396 | 4.0 | CHARA SPP. | 7.1 | 2.5 | 600 | 500 | 1.7 | 1.3 |
| | | | | | | | POT. GRAMINEUS | 2.6 | 0.8 | | | | |
| | | | | | | | POT. NARROW | 5.0 | 4.2 | | | | |
| | | | 5 | 309035 | 497396 | 4.0 | CHARA SPP. | 50.2 | 19.9 | 600 | 500 | 1.7 | 1.3 |
| | | | | | | | POT. GRAMINEUS | 13.1 | 9.7 | | | | |
| | | | | | | | POT. NARROW | 4.4 | 3.4 | | | | |
| | | | 6 | 309035 | 497396 | 4.0 | CHARA SPP. | 42.3 | 16.3 | 600 | 500 | 1.7 | 1.3 |
| | | | | | | | POT. NARROW | 10.1 | 8.8 | | | | |
| | | 6 | 1 | 309040 | 497402 | 3.0 | CHARA SPP. | 5.4 | 2.2 | 1000 | 120 | - | - |
| | | | | | | | ELODEA CANADENS | 14.1 | 10.6 | | | | |
| | | | | | | | POT. RICHARDSONI | 31.4 | 25.7 | | | | |
| | | | | | | | POT. NARROW | 22.2 | 17.3 | | | | |
| | | | 2 | 309040 | 497402 | 7.0 | CHARA SPP. | 1.8 | 0.6 | 1000 | 120 | - | - |
| | | | | | | | ELODEA CANADENS | 0.6 | 0.4 | | | | |
| | | | | | | | MYRIO. SPICATUM | 12.6 | 10.3 | | | | |
| | | | | | | | POT. RICHARDSONI | 51.1 | 42.1 | | | | |
| | | | | | | | POT. NARROW | 2.6 | 2.0 | | | | |
| | | | 3 | 309040 | 497402 | 9.0 | ELODEA CANADENS | 93.3 | 68.0 | 1000 | 120 | - | - |
| | | | | | | | POT. RICHARDSONI | 12.0 | 9.7 | | | | |
| | | | 4 | 309045 | 497403 | 6.5 | CHARA SPP. | 394.8 | 121.3 | 1300 | 270 | 1.6 | 0.6 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. GRAMINEUS | 6.5 | 5.0 | | | | |
| | | | | | POT. NARROW | 20.7 | 16.3 | | | | |
| | 5 | 309045 | 497403 | 6.5 | CHARA SPP. | 173.1 | 59.7 | 1300 | 270 | 1.6 | 0.6 |
| | | | | | POT. GRAMINEUS | 34.4 | 25.4 | | | | |
| | | | | | POT. NARROW | 6.5 | 5.3 | | | | |
| | 6 | 309045 | 497403 | 6.5 | CHARA SPP. | TRACE | | 1300 | 270 | 1.6 | 0.6 |
| | | | | | POT. NARROW | 28.9 | 22.7 | | | | |
| 7 | 1 | 309037 | 497398 | 6.0 | CHARA SPP. | 131.0 | 42.0 | 420 | 280 | - | - |
| | | | | | POT. GRAMINEUS | 67.3 | 46.0 | | | | |
| | 2 | 309037 | 497398 | 6.0 | CHARA SPP. | 321.3 | 99.2 | 420 | 280 | - | - |
| | | | | | POT. GRAMINEUS | 11.5 | 8.2 | | | | |
| | | | | | POT. NARROW | 10.7 | 8.8 | | | | |
| | 3 | 309037 | 497398 | 6.0 | CHARA SPP. | 279.8 | 97.1 | 420 | 280 | - | - |
| | | | | | POT. GRAMINEUS | 32.3 | 25.0 | | | | |
| | | | | | POT. NARROW | 5.1 | 4.0 | | | | |
| | 4 | 309037 | 497398 | 6.0 | CHARA SPP. | 0.8 | 0.3 | 670 | 320 | - | - |
| | | | | | ELODEA CANADENS | 0.9 | 0.6 | | | | |
| | | | | | POT. GRAMINEUS | 33.4 | 26.4 | | | | |
| | | | | | POT. RICHARDSONI | 2.5 | 2.0 | | | | |
| | | | | | POT. NARROW | 62.9 | 50.2 | | | | |
| | 5 | 309037 | 497398 | 7.0 | ELODEA CANADENS | 4.6 | 3.5 | 670 | 320 | - | - |
| | | | | | NITELLA HYALINA | 19.7 | 7.2 | | | | |
| | | | | | POT. GRAMINEUS | 96.5 | 73.4 | | | | |
| | | | | | POT. NARROW | 110.3 | 89.9 | | | | |
| | 6 | 309037 | 497398 | 6.5 | CHARA SPP. | 2.8 | 1.0 | 670 | 320 | - | - |
| | | | | | POT. GRAMINEUS | 48.3 | 35.6 | | | | |
| | | | | | POT. NARROW | 78.5 | 63.9 | | | | |
| 8 | 1 | 309042 | 497404 | 9.0 | CHARA SPP. | 0.7 | 0.3 | 1000 | 800 | 0.6 | 0.3 |
| | | | | | ELODEA CANADENS | 63.8 | 47.3 | | | | |
| | | | | | MYRIO. SPICATUM | 7.1 | 5.9 | | | | |
| | | | | | POT. RICHARDSONI | 45.2 | 35.9 | | | | |
| | 2 | 309042 | 497404 | 9.0 | CHARA SPP. | 1.0 | 0.5 | 1000 | 800 | 0.6 | 0.3 |
| | | | | | ELODEA CANADENS | 21.2 | 15.9 | | | | |
| | | | | | MYRIO. SPICATUM | 83.3 | 66.1 | | | | |
| | | | | | POT. RICHARDSONI | 71.8 | 58.9 | | | | |
| | 3 | 309042 | 497404 | 9.0 | ELODEA CANADENS | 56.5 | 40.2 | 1000 | 800 | 0.6 | 0.3 |
| | | | | | MYRIO. SPICATUM | 3.3 | 2.6 | | | | |
| | | | | | POT. RICHARDSONI | 47.2 | 38.5 | | | | |
| 9 | 1 | 309038 | 497407 | 11.0 | ELODEA CANADENS | 18.5 | 13.4 | 360 | 150 | 0.0 | 0.0 |
| | | | | | POT. CRISPUS | 45.1 | 35.3 | | | | |
| | | | | | POT. RICHARDSONI | 39.8 | 30.9 | | | | |
| | | | | | VALLISNERIA AMER | 0.9 | 0.6 | | | | |
| | 2 | 309038 | 497407 | 11.0 | ELODEA CANADENS | 28.6 | 21.8 | 360 | 150 | 0.0 | 0.0 |
| | | | | | POT. CRISPUS | 78.7 | 72.4 | | | | |
| | | | | | POT. ZOSTERIFORM | 1.8 | 1.3 | | | | |
| | 3 | 309038 | 497407 | 11.1 | ELODEA CANADENS | 12.6 | 9.7 | 360 | 150 | 0.0 | 0.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MYRIO. SPICATUM | 2.4 | 1.7 | | | | |
| | | | | | NITELLA HYALINA | 50.1 | 27.3 | | | | |
| | | | | | POT. CRISPUS | 31.8 | 26.4 | | | | |
| | 4 | 309039 | 497408 | 6.0 | ELODEA CANADENS | 9.8 | 5.3 | 440 | 150 | 0.4 | 0.0 |
| | | | | | POT. CRISPUS | 56.0 | 42.5 | | | | |
| | | | | | POT. RICHARDSONI | 8.1 | 5.5 | | | | |
| | 5 | 309039 | 497408 | 6.5 | ELODEA CANADENS | 9.4 | 5.3 | 440 | 150 | 0.4 | 0.0 |
| | | | | | MYRIO. SPICATUM | 14.4 | 11.0 | | | | |
| | | | | | POT. CRISPUS | 43.8 | 38.6 | | | | |
| | | | | | POT. RICHARDSONI | 47.9 | 33.5 | | | | |
| | 6 | 309039 | 497408 | 6.0 | ELODEA CANADENS | 0.7 | 0.5 | 440 | 150 | 0.4 | 0.0 |
| | | | | | POT. RICHARDSONI | 11.9 | 9.8 | | | | |
| 10 | 1 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | 2 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | 3 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| 11 | 1 | 309049 | 497413 | 7.0 | ELODEA CANADENS | 6.7 | 5.1 | 1600 | 190 | 0.5 | 0.3 |
| | | | | | MYRIO. SPICATUM | 2.6 | 2.1 | | | | |
| | | | | | POT. RICHARDSONI | 124.4 | 105.2 | | | | |
| | | | | | POT. NARROW | 6.5 | 5.4 | | | | |
| | 2 | 309049 | 497413 | 7.0 | ELODEA CANADENS | 13.3 | 9.4 | 1600 | 190 | 0.5 | 0.3 |
| | | | | | MYRIO. SPICATUM | 6.8 | 5.6 | | | | |
| | | | | | POT. RICHARDSONI | 29.4 | 23.4 | | | | |
| | | | | | POT. NARROW | 78.4 | 60.0 | | | | |
| | 3 | 309049 | 497413 | 7.0 | ELODEA CANADENS | 7.3 | 5.5 | 1600 | 190 | 0.5 | 0.3 |
| | | | | | POT. NARROW | 118.8 | 94.2 | | | | |
| | 4 | 309048 | 497412 | 7.0 | ELODEA CANADENS | 2.8 | 2.0 | 1500 | 180 | 0.5 | 0.3 |
| | | | | | MYRIO. SPICATUM | 59.9 | 47.3 | | | | |
| | | | | | POT. NARROW | 131.7 | 105.3 | | | | |
| | 5 | 309048 | 497412 | 7.0 | ELODEA CANADENS | 10.7 | 8.1 | 1500 | 180 | 0.5 | 0.3 |
| | | | | | MYRIO. SPICATUM | 51.0 | 40.7 | | | | |
| | | | | | POT. NARROW | 39.8 | 31.1 | | | | |
| | 6 | 309048 | 497412 | 7.0 | ELODEA CANADENS | 53.7 | 40.2 | 1500 | 180 | 0.5 | 0.3 |
| | | | | | MYRIO. SPICATUM | 1.4 | 1.0 | | | | |
| | | | | | POT. NARROW | 65.6 | 52.6 | | | | |
| 12 | 1 | 309046 | 497412 | 4.0 | CHARA SPP. | 82.4 | 21.2 | 770 | 560 | 0.1 | 0.0 |
| | | | | | POT. CRISPUS | 0.4 | 0.2 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | 2 | 309046 | 497412 | 4.0 | CHARA SPP. | 182.8 | 44.0 | 770 | 560 | 0.1 | 0.0 |
| | | | | | POT. GRAMINEUS | 0.2 | 0.2 | | | | |
| | 3 | 309046 | 497412 | 4.0 | CHARA SPP. | 82.4 | 33.1 | 770 | 560 | 0.1 | 0.0 |
| | 4 | 309046 | 497412 | 8.0 | ELODEA CANADENS | 71.3 | 43.3 | 450 | 220 | 0.1 | 0.0 |
| | | | | | MYRIO. SPICATUM | 0.2 | 0.2 | | | | |
| | | | | | POT. RICHARDSONI | 10.0 | 6.9 | | | | |
| | | | | | POT. NARROW | 41.2 | 33.5 | | | | |
| | 5 | 309046 | 497412 | 10.1 | ELODEA CANADENS | 40.7 | 32.3 | 450 | 220 | 0.1 | 0.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. RICHARDSONI | 7.7 | 6.1 | | | | |
| | | | | | POT. NARROW | 110.1 | 89.0 | | | | |
| | 6 | 309046 | 497412 | 9.5 | ELODEA CANADENS | 19.2 | 15.0 | 450 | 220 | 0.1 | 0.0 |
| | | | | | POT. RICHARDSONI | 5.3 | 4.0 | | | | |
| | | | | | POT. NARROW | 11.1 | 8.1 | | | | |
| | 7 | 309045 | 497412 | 4.0 | ELODEA CANADENS | 27.1 | 20.8 | 560 | 150 | 0.6 | 0.4 |
| | | | | | POT. CRISPUS | 12.9 | 11.3 | | | | |
| | | | | | POT. RICHARDSONI | 30.4 | 24.1 | | | | |
| | | | | | POT. ZOSTERIFORM | 3.3 | 2.9 | | | | |
| | 8 | 309045 | 497412 | 5.0 | CHARA SPP. | TRACE | | 560 | 150 | 0.6 | 0.4 |
| | | | | | ELODEA CANADENS | 28.0 | 15.1 | | | | |
| | | | | | POT. CRISPUS | 28.6 | 24.6 | | | | |
| | | | | | POT. ZOSTERIFORM | 19.4 | 15.4 | | | | |
| | 9 | 309045 | 497412 | 9.0 | ELODEA CANADENS | 33.2 | 22.0 | 560 | 150 | 0.6 | 0.4 |
| | | | | | POT. CRISPUS | 3.5 | 2.9 | | | | |
| | | | | | POT. RICHARDSONI | 4.4 | 3.5 | | | | |
| | | | | | POT. ZOSTERIFORM | 12.2 | 8.3 | | | | |
| 13 | 1 | 309067 | 497421 | 6.0 | CHARA SPP. | 265.2 | 60.7 | 600 | 510 | 1.5 | 1.5 |
| | 2 | 309067 | 497421 | 6.0 | CHARA SPP. | 35.4 | 10.5 | 600 | 510 | 1.5 | 1.5 |
| | 3 | 309067 | 497421 | 6.0 | CHARA SPP. | 206.2 | 42.0 | 600 | 510 | 1.5 | 1.5 |
| | 4 | 309066 | 497420 | 7.0 | CHARA SPP. | 71.6 | 20.5 | 1300 | 490 | 0.7 | 0.5 |
| | | | | | POT. NARROW | 0.5 | 0.4 | | | | |
| | 5 | 309066 | 497420 | 7.0 | CHARA SPP. | 177.9 | 29.9 | 1300 | 490 | 0.7 | 0.5 |
| | 6 | 309066 | 497420 | 7.0 | CHARA SPP. | 31.9 | 8.9 | 1300 | 490 | 0.7 | 0.5 |
| 14 | 1 | 309074 | 497427 | 6.0 | CHARA SPP. | 19.2 | 4.9 | 350 | 200 | 1.3 | 1.1 |
| | | | | | POT. RICHARDSONI | 0.2 | 0.2 | | | | |
| | 2 | 309074 | 497427 | 5.5 | CHARA SPP. | 91.7 | 27.1 | 350 | 200 | 1.3 | 1.1 |
| | | | | | POT. GRAMINEUS | 4.8 | 3.7 | | | | |
| | 3 | 309074 | 497427 | 6.0 | CHARA SPP. | 23.2 | 7.4 | 350 | 200 | 1.3 | 1.1 |
| | | | | | POT. GRAMINEUS | 0.2 | 0.2 | | | | |
| 15 | 1 | 309075 | 497428 | 3.0 | CHARA SPP. | 214.2 | 65.1 | 1000 | 450 | 1.5 | 0.8 |
| | | | | | POT. NARROW | 0.6 | 0.5 | | | | |
| | 2 | 309075 | 497428 | 3.0 | CHARA SPP. | 94.8 | 32.4 | 1000 | 450 | 1.5 | 0.8 |
| | 3 | 309075 | 497428 | 3.0 | CHARA SPP. | 142.1 | 50.5 | 1000 | 450 | 1.5 | 0.8 |
| | | | | | POT. GRAMINEUS | 8.9 | 6.0 | | | | |
| | 4 | 309081 | 497436 | 3.0 | CHARA SPP. | 85.4 | 34.6 | 1100 | 1000 | 0.4 | 0.3 |
| | | | | | POT. GRAMINEUS | 66.4 | 45.2 | | | | |
| | | | | | POT. NARROW | 13.6 | 11.8 | | | | |
| | | | | | SAGITTARIA SPP. | 1.5 | 1.0 | | | | |
| | 5 | 309081 | 497436 | 3.0 | CHARA SPP. | 125.0 | 41.8 | 1100 | 1000 | 0.4 | 0.3 |
| | | | | | POT. GRAMINEUS | 62.4 | 36.4 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 309081 | 497436 | 3.0 | CHARA SPP. | 37.2 | 13.4 | 1100 | 1000 | 0.4 | 0.3 |
| | | | | POT. GRAMINEUS | 40.7 | 23.6 | | | | |
| | | | | POT. NARROW | 1.8 | 1.4 | | | | |
| 7 | 309078 | 497434 | 4.0 | CHARA SPP. | 154.7 | 57.0 | 1300 | 1000 | 0.4 | 0.4 |
| | | | | POT. GRAMINEUS | 6.5 | 4.7 | | | | |
| 8 | 309078 | 497434 | 4.0 | CHARA SPP. | 95.2 | 29.4 | 1300 | 1000 | 0.4 | 0.4 |
| | | | | POT. NARROW | 12.5 | 8.5 | | | | |
| 9 | 309078 | 497434 | 4.0 | CHARA SPP. | 11.2 | 3.9 | 1300 | 1000 | 0.4 | 0.4 |
| | | | | POT. GRAMINEUS | 136.0 | 81.3 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JULY-AUGUST, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | FAWN | 1 | 1 | 309576 | 498253 | 9.0 | CHARA SPP. | 1.5 | 0.4 | 4100 | 660 | 0.8 | 0.2 |
| | | | | | | | ELODEA CANADENS | 0.7 | 0.4 | | | | |
| | | | | | | | POT. NARROW | 170.5 | 141.3 | | | | |
| | | | 2 | 309576 | 498253 | 10.5 | POT. ZOSTERIFORM | 1.8 | 1.2 | 4100 | 660 | 0.8 | 0.2 |
| | | | | | | | POT. NARROW | 57.5 | 44.5 | | | | |
| | | | 3 | 309576 | 498253 | 9.0 | POT. NARROW | 167.6 | 132.3 | 4100 | 660 | 0.8 | 0.2 |
| | | | 4 | 309568 | 498252 | 9.0 | CHARA SPP. | 4.2 | 1.3 | 3400 | 1500 | 1.1 | 0.2 |
| | | | | | | | POT. GRAMINEUS | 52.2 | 40.1 | | | | |
| | | | | | | | POT. RICHARDSONI | 44.2 | 27.7 | | | | |
| | | | | | | | POT. NARROW | 9.4 | 7.5 | | | | |
| | | | 5 | 309568 | 498252 | 10.0 | ELODEA CANADENS | 0.6 | 0.4 | 3400 | 1500 | 1.1 | 0.2 |
| | | | | | | | POT. GRAMINEUS | 0.9 | 0.7 | | | | |
| | | | | | | | POT. RICHARDSONI | 89.6 | 70.8 | | | | |
| | | | | | | | POT. NARROW | 11.5 | 9.1 | | | | |
| | | | 6 | 309568 | 498252 | 10.0 | CHARA SPP. | 24.7 | 8.0 | 3400 | 1500 | 1.1 | 0.2 |
| | | | | | | | POT. GRAMINEUS | 6.0 | 4.8 | | | | |
| | | | | | | | POT. RICHARDSONI | 71.9 | 57.9 | | | | |
| | | | | | | | POT. NARROW | 7.1 | 5.6 | | | | |
| | | 2 | 1 | 309578 | 498255 | 9.0 | POT. RICHARDSONI | 178.2 | 143.7 | 3900 | 120 | 0.5 | 0.2 |
| | | | | | | | POT. NARROW | 9.9 | 7.7 | | | | |
| | | | 2 | 309578 | 498255 | 8.1 | CHARA SPP. | 4.0 | 1.8 | 3900 | 120 | 0.5 | 0.2 |
| | | | | | | | POT. GRAMINEUS | 48.1 | 33.4 | | | | |
| | | | | | | | POT. RICHARDSONI | 105.8 | 80.2 | | | | |
| | | | 3 | 309578 | 498255 | 8.5 | CHARA SPP. | 0.8 | 0.2 | 3900 | 120 | 0.5 | 0.2 |
| | | | | | | | POT. GRAMINEUS | 6.1 | 4.7 | | | | |
| | | | | | | | POT. RICHARDSONI | 28.8 | 21.2 | | | | |
| | | | | | | | POT. NARROW | 11.9 | 8.8 | | | | |
| | | | 4 | 309570 | 498254 | 6.0 | CHARA SPP. | 39.6 | 15.8 | 3200 | 1000 | 1.2 | 0.0 |
| | | | | | | | POT. GRAMINEUS | 26.0 | 19.8 | | | | |
| | | | | | | | POT. RICHARDSONI | 26.3 | 13.4 | | | | |
| | | | | | | | POT. NARROW | 30.1 | 24.5 | | | | |
| | | | 5 | 309570 | 498254 | 6.1 | POT. GRAMINEUS | 35.8 | 28.5 | 3200 | 1000 | 1.2 | 0.0 |
| | | | | | | | POT. RICHARDSONI | 82.2 | 65.1 | | | | |
| | | | | | | | POT. NARROW | 49.4 | 39.6 | | | | |
| | | | 6 | 309570 | 498254 | 6.2 | CHARA SPP. | 13.9 | 4.9 | 3200 | 1000 | 1.2 | 0.0 |
| | | | | | | | POT. GRAMINEUS | 62.7 | 48.5 | | | | |
| | | | | | | | POT. NARROW | 33.6 | 27.3 | | | | |
| | | 3 | 1 | 309586 | 498259 | 11.5 | ELODEA CANADENS | 10.4 | 7.9 | 3700 | 1000 | 0.4 | 0.2 |
| | | | | | | | MYRIO. SPICATUM | 5.2 | 4.2 | | | | |
| | | | | | | | POT. RICHARDSONI | 95.1 | 79.3 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. ZOSTERIFORM | TRACE | | | | | |
| | 2 | 309586 | 498259 | 12.0 | ELODEA CANADENS | 1.0 | 0.6 | 3700 | 1000 | 0.4 | 0.2 |
| | | | | | POT. RICHARDSONI | 55.6 | 42.4 | | | | |
| | 3 | 309586 | 498259 | 12.0 | ELODEA CANADENS | 9.7 | 6.7 | 3700 | 1000 | 0.4 | 0.2 |
| | | | | | POT. RICHARDSONI | 43.2 | 33.5 | | | | |
| 4 | 1 | 309579 | 498262 | 4.0 | CHARA SPP. | 108.2 | 40.9 | 3500 | 2700 | 0.8 | 0.3 |
| | | | | | POT. ZOSTERIFORM | 18.8 | 14.4 | | | | |
| | | | | | POT. NARROW | 26.3 | 20.6 | | | | |
| | 2 | 309579 | 498262 | 4.0 | CHARA SPP. | 8.9 | 3.1 | 3500 | 2700 | 0.8 | 0.3 |
| | | | | | POT. GRAMINEUS | 39.1 | 31.7 | | | | |
| | | | | | POT. RICHARDSONI | 1.0 | 0.8 | | | | |
| | | | | | POT. ZOSTERIFORM | 0.4 | 0.3 | | | | |
| | | | | | POT. NARROW | 64.0 | 53.4 | | | | |
| | 3 | 309579 | 498262 | 4.0 | CHARA SPP. | 247.0 | 86.9 | 3500 | 2700 | 0.8 | 0.3 |
| | | | | | POT. ZOSTERIFORM | 0.6 | 0.3 | | | | |
| | | | | | POT. NARROW | 18.1 | 15.1 | | | | |
| 5 | 1 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | 2 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | 3 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| 6 | 1 | 309606 | 498270 | 3.5 | CHARA SPP. | 64.7 | 19.3 | 2800 | 270 | 0.4 | 0.2 |
| | | | | | POT. GRAMINEUS | 34.5 | 24.1 | | | | |
| | | | | | POT. ZOSTERIFORM | TRACE | | | | | |
| | | | | | POT. NARROW | 13.7 | 11.2 | | | | |
| | 2 | 309606 | 498270 | 4.0 | CHARA SPP. | 165.8 | 46.9 | 2800 | 270 | 0.4 | 0.2 |
| | | | | | POT. GRAMINEUS | 22.2 | 24.2 | | | | |
| | | | | | POT. NARROW | 27.6 | 22.7 | | | | |
| | 3 | 309606 | 498270 | 4.0 | POT. GRAMINEUS | 53.0 | 46.4 | 2800 | 270 | 0.4 | 0.2 |
| | | | | | POT. NARROW | 50.4 | 41.2 | | | | |
| | 4 | 309596 | 498266 | 12.0 | ELODEA CANADENS | 11.9 | 9.0 | 3600 | 1600 | 0.2 | 0.2 |
| | | | | | POT. RICHARDSONI | 37.7 | 29.2 | | | | |
| | | | | | POT. NARROW | 61.9 | 47.2 | | | | |
| | 5 | 309596 | 498266 | 12.0 | CHARA SPP. | 17.7 | 8.5 | 3600 | 1600 | 0.2 | 0.2 |
| | | | | | POT. RICHARDSONI | 45.5 | 35.8 | | | | |
| | | | | | POT. NARROW | 54.7 | 41.4 | | | | |
| | 6 | 309596 | 498266 | 11.5 | ELODEA CANADENS | 11.8 | 8.3 | 3600 | 1600 | 0.2 | 0.2 |
| | | | | | POT. GRAMINEUS | 4.4 | 3.2 | | | | |
| | | | | | POT. RICHARDSONI | 65.4 | 53.1 | | | | |
| | | | | | POT. NARROW | 91.3 | 72.6 | | | | |
| 7 | 1 | 309584 | 498270 | 2.5 | CHARA SPP. | 203.4 | 71.8 | 2500 | 2200 | 0.3 | 0.1 |
| | | | | | POT. CRISPUS | 11.2 | 8.2 | | | | |
| | | | | | POT. GRAMINEUS | 7.8 | 5.6 | | | | |
| | | | | | POT. NARROW | 29.2 | 22.6 | | | | |
| | 2 | 309584 | 498270 | 3.0 | CHARA SPP. | 176.3 | 53.6 | 2500 | 2200 | 0.3 | 0.1 |
| | | | | | POT. GRAMINEUS | 6.3 | 4.3 | | | | |
| | | | | | POT. RICHARDSONI | 20.2 | 16.6 | | | | |
| | | | | | POT. NARROW | 3.7 | 2.8 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 309584 | 498270 | 2.5 | CHARA SPP. | 186.2 | 55.4 | 2500 | 2200 | 0.3 | 0.1 |
| | | | | | POT. GRAMINEUS | 12.4 | 9.0 | | | | |
| | | | | | POT. RICHARDSONI | 1.3 | 1.0 | | | | |
| 8 | 1 | 309608 | 498273 | 10.0 | CHARA SPP. | 10.4 | 6.1 | 2600 | 1300 | 0.1 | 0.1 |
| | | | | | POT. RICHARDSONI | 36.0 | 28.6 | | | | |
| | 2 | 309608 | 498273 | 6.5 | CHARA SPP. | 2.2 | 0.9 | 2600 | 1300 | 0.1 | 0.1 |
| | | | | | POT. RICHARDSONI | 64.8 | 50.2 | | | | |
| | | | | | POT. NARROW | 5.2 | 3.7 | | | | |
| | 3 | 309608 | 498273 | 7.0 | POT. RICHARDSONI | 25.4 | 20.3 | 2600 | 1300 | 0.1 | 0.1 |
| | | | | | POT. NARROW | 16.9 | 12.5 | | | | |
| 9 | 1 | 309603 | 498277 | 2.5 | CHARA SPP. | 164.4 | 47.9 | 2300 | 2100 | 0.9 | 0.9 |
| | | | | | POT. RICHARDSONI | 32.1 | 20.9 | | | | |
| | | | | | VALLISNERIA AMER | 0.2 | 0.1 | | | | |
| | 2 | 309603 | 498277 | 2.5 | CHARA SPP. | 179.1 | 37.9 | 2300 | 2100 | 0.9 | 0.9 |
| | | | | | POT. RICHARDSONI | 4.2 | 2.8 | | | | |
| | | | | | POT. NARROW | 0.5 | 0.4 | | | | |
| | 3 | 309603 | 498277 | 2.5 | CHARA SPP. | 65.9 | 20.2 | 2300 | 2100 | 0.9 | 0.9 |
| | | | | | POT. RICHARDSONI | 98.0 | 74.6 | | | | |
| | 4 | 309599 | 498274 | 3.0 | CHARA SPP. | 149.8 | 49.2 | 3800 | 3000 | 0.6 | 0.4 |
| | 5 | 309599 | 498274 | 2.5 | CHARA SPP. | 72.5 | 23.6 | 3800 | 3000 | 0.6 | 0.4 |
| | 6 | 309599 | 498274 | 3.1 | CHARA SPP. | 139.3 | 37.8 | 3800 | 3000 | 0.6 | 0.4 |
| | | | | | POT. RICHARDSONI | 0.7 | 0.5 | | | | |
| 10 | 1 | 309620 | 498284 | 7.0 | CHARA SPP. | 85.1 | 29.4 | 2200 | 1500 | 0.4 | 0.2 |
| | | | | | POT. CRISPUS | 0.4 | 0.3 | | | | |
| | | | | | POT. GRAMINEUS | 19.1 | 13.1 | | | | |
| | | | | | POT. NARROW | 0.7 | 0.5 | | | | |
| | | | | | VALLISNERIA AMER | 1.3 | 0.8 | | | | |
| | 2 | 309620 | 498284 | 8.0 | CHARA SPP. | 80.1 | 24.6 | 2200 | 1500 | 0.4 | 0.2 |
| | | | | | POT. GRAMINEUS | 5.5 | 3.9 | | | | |
| | | | | | POT. NARROW | 0.8 | 0.4 | | | | |
| | 3 | 309620 | 498284 | 5.0 | CHARA SPP. | 158.5 | 50.0 | 2200 | 1500 | 0.4 | 0.2 |
| | | | | | POT. GRAMINEUS | 2.4 | 1.6 | | | | |
| 11 | 1 | 309619 | 498285 | 3.5 | CHARA SPP. | 15.7 | 4.7 | 310 | 230 | 0.4 | 0.0 |
| | | | | | POT. GRAMINEUS | 59.0 | 43.7 | | | | |
| | | | | | POT. RICHARDSONI | 72.2 | 57.9 | | | | |
| | 2 | 309619 | 498285 | 3.2 | CHARA SPP. | 3.2 | 1.0 | 310 | 230 | 0.4 | 0.0 |
| | | | | | POT. GRAMINEUS | 56.5 | 35.6 | | | | |
| | | | | | POT. RICHARDSONI | 62.6 | 49.1 | | | | |
| | | | | | POT. NARROW | 1.3 | 0.9 | | | | |
| | | | | | SAGITTARIA SPP. | 31.0 | 2.3 | | | | |
| | 3 | 309619 | 498285 | 3.5 | POT. GRAMINEUS | 124.8 | 83.1 | 310 | 230 | 0.4 | 0.0 |
| | | | | | POT. RICHARDSONI | 100.1 | 79.7 | | | | |
| | | | | | POT. NARROW | 1.2 | 0.7 | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 309612 | 498281 | 3.0 | CHARA SPP. | 381.1 | 101.2 | 1500 | 1000 | 0.4 | 0.3 |
| | | | | POT. RICHARDSONI | 1.0 | 0.7 | | | | |
| 5 | 309612 | 498281 | 3.0 | CHARA SPP. | 99.8 | 34.0 | 1500 | 1000 | 0.4 | 0.3 |
| 6 | 309612 | 498281 | 3.0 | CHARA SPP. | 432.6 | 194.4 | 1500 | 1000 | 0.4 | 0.3 |

SUBMERSED MACROPHYTE PONAR DATA, JULY-AUGUST, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | RUSSELL | 1 | 1 | 309943 | 498653 | 9.0 | CHARA SPP. | 14.6 | 5.3 | 4300 | 2500 | - | - |
| | | | | | | | POT. GRAMINEUS | 34.6 | 26.1 | | | | |
| | | | | | | | POT. NARROW | 4.5 | 3.5 | | | | |
| | | | 2 | 309943 | 498653 | 9.0 | CHARA SPP. | 29.2 | 5.4 | 4300 | 2500 | - | - |
| | | | | | | | POT. GRAMINEUS | 18.3 | 14.4 | | | | |
| | | | | | | | POT. NARROW | 9.0 | 7.2 | | | | |
| | | | 3 | 309943 | 498653 | 9.0 | CHARA SPP. | 44.8 | 14.3 | 4300 | 2500 | - | - |
| | | | | | | | HETERANTHERA DUB | 1.5 | 1.0 | | | | |
| | | | | | | | POT. GRAMINEUS | 42.8 | 32.7 | | | | |
| | | | | | | | POT. NARROW | 21.8 | 18.0 | | | | |
| | | 2 | 1 | 309975 | 498660 | 15.0 | NO PLANTS PRESENT | | | - | - | - | - |
| | | | 2 | 309975 | 498660 | 15.0 | NO PLANTS PRESENT | | | - | - | - | - |
| | | | 3 | 309975 | 498660 | 15.0 | NO PLANTS PRESENT | | | - | - | - | - |
| | | 3 | 1 | 309975 | 498659 | 15.0 | NO PLANTS PRESENT | | | - | - | - | - |
| | | | 2 | 309975 | 498659 | 15.0 | NO PLANTS PRESENT | | | - | - | - | - |
| | | | 3 | 309975 | 498659 | 15.0 | NO PLANTS PRESENT | | | - | - | - | - |
| | | 4 | 1 | 309956 | 498659 | 6.0 | CHARA SPP. | 0.7 | 0.2 | 3000 | 1100 | 2.0 | 0.0 |
| | | | | | | | ELODEA CANADENS | 1.0 | 0.7 | | | | |
| | | | | | | | POT. RICHARDSONI | 52.9 | 37.4 | | | | |
| | | | | | | | POT. NARROW | 2.1 | 1.6 | | | | |
| | | | 2 | 309956 | 498659 | 6.0 | CHARA SPP. | 0.3 | 0.0 | 3000 | 1100 | 2.0 | 0.0 |
| | | | | | | | ELODEA CANADENS | 15.1 | 10.0 | | | | |
| | | | | | | | POT. RICHARDSONI | 27.2 | 21.1 | | | | |
| | | | | | | | POT. NARROW | 34.1 | 27.8 | | | | |
| | | | 3 | 309956 | 498659 | 7.0 | CHARA SPP. | 1.6 | 0.5 | 3000 | 1100 | 2.0 | 0.0 |
| | | | | | | | ELODEA CANADENS | 89.9 | 84.7 | | | | |
| | | | | | | | POT. RICHARDSONI | 82.6 | 64.1 | | | | |
| | | | | | | | POT. NARROW | 48.1 | 38.9 | | | | |
| | | | 4 | 309966 | 498661 | 10.0 | ELODEA CANADENS | 112.3 | 69.1 | 3800 | 1100 | 1.9 | 0.0 |
| | | | | | | | MYRIO. SPICATUM | 1.3 | 0.9 | | | | |
| | | | | | | | POT. RICHARDSONI | 53.5 | 39.7 | | | | |
| | | | 5 | 309966 | 498661 | 11.0 | ELODEA CANADENS | 151.8 | 100.2 | 3800 | 1100 | 1.9 | 0.0 |
| | | | | | | | POT. GRAMINEUS | 1.3 | 1.0 | | | | |
| | | | 6 | 309966 | 498661 | 12.0 | ELODEA CANADENS | 192.6 | 130.7 | 3800 | 1100 | 1.9 | 0.0 |
| | | 5 | 1 | 309950 | 498657 | 7.0 | POT. RICHARDSONI | 41.8 | 30.8 | 3100 | 1100 | 1.1 | 0.0 |
| | | | | | | | POT. NARROW | 22.2 | 17.8 | | | | |
| | | | 2 | 309950 | 498657 | 7.0 | POT. RICHARDSONI | 55.9 | 44.0 | 3100 | 1100 | 1.1 | 0.0 |
| | | | | | | | POT. NARROW | 29.6 | 24.1 | | | | |
| | | | 3 | 309950 | 498657 | 7.0 | CHARA SPP. | 0.8 | 0.2 | 3100 | 1100 | 1.1 | 0.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. GRAMINEUS | 16.3 | 12.6 | | | | |
| | | | | | POT. RICHARDSONI | 104.5 | 74.5 | | | | |
| | | | | | POT. NARROW | 79.9 | 59.6 | | | | |
| | 4 | 309950 | 498660 | 5.0 | CHARA SPP. | 224.8 | 70.7 | 3400 | 2400 | 1.1 | 0.9 |
| | 5 | 309950 | 498660 | 6.0 | CHARA SPP. | 116.0 | 43.4 | 3400 | 2400 | 1.1 | 0.9 |
| | 6 | 309950 | 498660 | 5.5 | CHARA SPP. | 167.1 | 60.0 | 3400 | 2400 | 1.1 | 0.9 |
| | | | | | POT. GRAMINEUS | 4.3 | 3.3 | | | | |
| 6 | 1 | 309945 | 498659 | 8.0 | CHARA SPP. | 95.9 | 30.4 | 4200 | 2400 | 0.4 | 0.0 |
| | | | | | POT. GRAMINEUS | 27.0 | 18.8 | | | | |
| | | | | | POT. NARROW | 13.4 | 10.9 | | | | |
| | 2 | 309945 | 498659 | 8.0 | CHARA SPP. | 58.6 | 18.9 | 4200 | 2400 | 0.4 | 0.0 |
| | | | | | POT. GRAMINEUS | 12.8 | 8.5 | | | | |
| | | | | | POT. NARROW | 13.2 | 10.1 | | | | |
| | 3 | 309945 | 498659 | 8.0 | CHARA SPP. | 48.8 | 14.2 | 4200 | 2400 | 0.4 | 0.0 |
| | | | | | POT. GRAMINEUS | 4.9 | 3.8 | | | | |
| | | | | | POT. NARROW | 0.8 | 0.6 | | | | |
| 7 | 1 | 309976 | 498664 | 8.0 | ELODEA CANADENS | 15.4 | 10.4 | 1800 | 410 | 0.7 | 0.0 |
| | | | | | POT. RICHARDSONI | 1.4 | 1.2 | | | | |
| | | | | | POT. NARROW | 33.3 | 26.5 | | | | |
| | 2 | 309976 | 498664 | 7.0 | CHARA SPP. | 75.9 | 36.2 | 1800 | 410 | 0.7 | 0.0 |
| | | | | | ELODEA CANADENS | 12.2 | 8.8 | | | | |
| | | | | | POT. RICHARDSONI | 7.6 | 6.2 | | | | |
| | | | | | POT. NARROW | 25.8 | 20.0 | | | | |
| | 3 | 309976 | 498664 | 9.0 | CHARA SPP. | 16.2 | 7.1 | 1800 | 410 | 0.7 | 0.0 |
| | | | | | ELODEA CANADENS | 54.3 | 38.6 | | | | |
| | | | | | POT. GRAMINEUS | 5.5 | 4.6 | | | | |
| | | | | | POT. RICHARDSONI | 3.4 | 2.5 | | | | |
| | | | | | POT. NARROW | 19.5 | 16.1 | | | | |
| | 4 | 309978 | 498666 | 3.5 | CHARA SPP. | 62.4 | 21.3 | 3700 | 3000 | 0.8 | 0.7 |
| | 5 | 309978 | 498666 | 3.0 | CHARA SPP. | 123.4 | 36.2 | 3700 | 3000 | 0.8 | 0.7 |
| | 6 | 309978 | 498666 | 3.5 | CHARA SPP. | 42.0 | 17.5 | 3700 | 3000 | 0.8 | 0.7 |
| 8 | 1 | 309969 | 498665 | 5.0 | CHARA SPP. | 1.3 | 0.5 | 2000 | 230 | 0.6 | 0.0 |
| | | | | | ELODEA CANADENS | 13.0 | 9.2 | | | | |
| | | | | | POT. GRAMINEUS | 8.7 | 6.1 | | | | |
| | | | | | POT. RICHARDSONI | 22.4 | 16.7 | | | | |
| | | | | | POT. NARROW | 48.7 | 38.7 | | | | |
| | 2 | 309969 | 498665 | 4.0 | ELODEA CANADENS | 38.0 | 25.2 | 2000 | 230 | 0.6 | 0.0 |
| | | | | | POT. GRAMINEUS | 56.6 | 40.7 | | | | |
| | | | | | POT. RICHARDSONI | 3.3 | 2.6 | | | | |
| | | | | | POT. NARROW | 17.0 | 14.2 | | | | |
| | 3 | 309969 | 498665 | 5.0 | CHARA SPP. | 2.2 | 0.8 | 2000 | 230 | 0.6 | 0.0 |
| | | | | | ELODEA CANADENS | 8.9 | 6.6 | | | | |
| | | | | | POT. GRAMINEUS | 76.0 | 57.6 | | | | |
| | | | | | POT. RICHARDSONI | 8.1 | 6.5 | | | | |
| | | | | | POT. NARROW | 119.0 | 90.9 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 309967 | 498664 | 4.0 | CHARA SPP. | 228.7 | 69.9 | 3200 | 2800 | 0.0 | 0.0 |
| | | | | | POT. GRAMINEUS | 1.3 | 1.0 | | | | |
| | 5 | 309967 | 498664 | 4.0 | CHARA SPP. | 516.2 | 139.5 | 3200 | 2800 | 0.0 | 0.0 |
| | 6 | 309967 | 498664 | 4.0 | CHARA SPP. | 573.0 | 137.5 | 3200 | 2800 | 0.0 | 0.0 |
| 9 | 1 | 309955 | 498665 | 3.5 | POT. GRAMINEUS | 42.2 | 31.3 | 2500 | 250 | 0.4 | 0.1 |
| | | | | | POT. NARROW | 40.4 | 31.9 | | | | |
| | 2 | 309955 | 498665 | 4.0 | CHARA SPP. | 59.7 | 17.7 | 2500 | 250 | 0.4 | 0.1 |
| | | | | | POT. GRAMINEUS | 64.4 | 40.6 | | | | |
| | | | | | POT. NARROW | 119.1 | 80.4 | | | | |
| | 3 | 309955 | 498665 | 3.0 | CHARA SPP. | 60.4 | 20.8 | 2500 | 250 | 0.4 | 0.1 |
| | | | | | POT. GRAMINEUS | 47.0 | 35.3 | | | | |
| | | | | | POT. NARROW | 60.2 | 50.0 | | | | |
| | 4 | 309954 | 498663 | 4.0 | CHARA SPP. | 120.8 | 36.8 | 3400 | 3200 | 1.0 | 0.8 |
| | | | | | POT. GRAMINEUS | 5.9 | 4.2 | | | | |
| | 5 | 309954 | 498663 | 4.0 | CHARA SPP. | 195.5 | 55.1 | 3400 | 3200 | 1.0 | 0.8 |
| | | | | | POT. GRAMINEUS | 1.2 | 0.6 | | | | |
| | 6 | 309954 | 498663 | 4.0 | CHARA SPP. | 214.3 | 67.7 | 3400 | 3200 | 1.0 | 0.8 |
| | | | | | POT. GRAMINEUS | 1.3 | 0.9 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JULY-AUGUST, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | BELLE | 1 | 1 | 312758 | 499951 | 9.0 | POT. RICHARDSONI | 117.6 | 91.1 | 4500 | 220 | 0.5 | 0.1 |
| | | | | | | | POT. ZOSTERIFORM | TRACE | | | | | |
| | | | 2 | 312758 | 499951 | 9.0 | POT. RICHARDSONI | 173.2 | 135.0 | 4500 | 220 | 0.5 | 0.1 |
| | | | 3 | 312758 | 499951 | 9.0 | POT. RICHARDSONI | 52.7 | 39.9 | 4500 | 220 | 0.5 | 0.1 |
| | | | 4 | 312760 | 499953 | 7.5 | CHARA SPP. | 21.3 | 7.5 | 3800 | 650 | 0.6 | 0.6 |
| | | | | | | | NAJAS FLEXILIS | 3.2 | 2.0 | | | | |
| | | | | | | | POT. RICHARDSONI | 0.6 | 0.3 | | | | |
| | | | | | | | VALLISNERIA AMER | 11.0 | 7.7 | | | | |
| | | | 5 | 312760 | 499953 | 7.5 | CHARA SPP. | 49.9 | 13.0 | 3800 | 650 | 0.6 | 0.6 |
| | | | | | | | NAJAS FLEXILIS | 0.6 | 0.3 | | | | |
| | | | | | | | VALLISNERIA AMER | 20.9 | 14.8 | | | | |
| | | | 6 | 312760 | 499953 | 8.0 | NAJAS FLEXILIS | 2.4 | 1.4 | 3800 | 650 | 0.6 | 0.6 |
| | | | | | | | POT. ZOSTERIFORM | TRACE | | | | | |
| | | | | | | | VALLISNERIA AMER | 43.7 | 30.0 | | | | |
| | | | | | | | NITELLOP. OBTUSA | 45.2 | 9.7 | | | | |
| | | 2 | 1 | 312765 | 499959 | 11.0 | NO PLANTS PRESENT | | | 4000 | 400 | 2.3 | 1.8 |
| | | | 2 | 312765 | 499959 | 11.0 | NO PLANTS PRESENT | | | 4000 | 400 | 2.3 | 1.8 |
| | | | 3 | 312765 | 499959 | 11.0 | NO PLANTS PRESENT | | | 4000 | 400 | 2.3 | 1.8 |
| | | 3 | 1 | 312778 | 499966 | 8.5 | POT. RICHARDSONI | 140.0 | 104.0 | 4500 | 310 | 0.5 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 4.6 | 2.7 | | | | |
| | | | 2 | 312778 | 499966 | 8.5 | POT. RICHARDSONI | 52.0 | 37.6 | 4500 | 310 | 0.5 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 3.5 | 2.1 | | | | |
| | | | | | | | NITELLOP. OBTUSA | 0.7 | 0.4 | | | | |
| | | | 3 | 312778 | 499966 | 8.5 | POT. RICHARDSONI | 88.4 | 63.8 | 4500 | 310 | 0.5 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 2.9 | 2.2 | | | | |
| | | 4 | 1 | 312788 | 499972 | 11.0 | POT. ZOSTERIFORM | 1.6 | 0.7 | 4500 | 810 | 1.0 | 0.9 |
| | | | | | | | VALLISNERIA AMER | 16.9 | 10.0 | | | | |
| | | | 2 | 312788 | 499972 | 9.0 | VALLISNERIA AMER | 40.7 | 28.6 | 4500 | 810 | 1.0 | 0.9 |
| | | | | | | | NITELLOP. OBTUSA | 0.5 | 0.1 | | | | |
| | | | 3 | 312788 | 499972 | 9.0 | VALLISNERIA AMER | 27.8 | 19.2 | 4500 | 810 | 1.0 | 0.9 |
| | | 5 | 1 | 312803 | 499981 | 5.5 | CHARA SPP. | 16.4 | 5.4 | 3700 | 1100 | 0.7 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 44.4 | 33.0 | | | | |
| | | | | | | | POT. NARROW | 9.3 | 6.9 | | | | |
| | | | | | | | VALLISNERIA AMER | 25.7 | 18.5 | | | | |
| | | | 2 | 312803 | 499981 | 7.0 | POT. RICHARDSONI | 18.4 | 14.4 | 3700 | 1100 | 0.7 | 0.1 |
| | | | | | | | POT. ZOSTERIFORM | 4.6 | 3.4 | | | | |
| | | | | | | | VALLISNERIA AMER | 74.9 | 49.8 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 312803 | 499981 | 7.0 | POT. CRISPUS | 0.6 | 0.4 | 3700 | 1100 | 0.7 | 0.1 |
| | | | | | POT. RICHARDSONI | 56.0 | 46.3 | | | | |
| | | | | | VALLISNERIA AMER | 34.2 | 25.1 | | | | |
| 6 | 1 | 312809 | 499986 | 11.0 | VALLISNERIA AMER | 31.0 | 18.5 | 4000 | 650 | 1.7 | 1.6 |
| | | | | | NITELLOP. OBTUSA | 0.3 | 0.1 | | | | |
| | 2 | 312809 | 499986 | 11.0 | NAJAS FLEXILIS | TRACE | | 4000 | 650 | 1.7 | 1.6 |
| | | | | | VALLISNERIA AMER | 43.4 | 27.9 | | | | |
| | | | | | NITELLOP. OBTUSA | TRACE | | | | | |
| | 3 | 312809 | 499986 | 11.0 | VALLISNERIA AMER | 65.9 | 42.0 | 4000 | 650 | 1.7 | 1.6 |
| 7 | 1 | 312854 | 499997 | 7.0 | VALLISNERIA AMER | 8.8 | 6.0 | 1700 | 1200 | 0.1 | 0.0 |
| | | | | | NITELLOP. OBTUSA | 249.5 | 150.6 | | | | |
| | 2 | 312854 | 499997 | 7.0 | MYRIO. SPICATUM | 1.5 | 0.7 | 1700 | 1200 | 0.1 | 0.0 |
| | | | | | POT. ZOSTERIFORM | TRACE | | | | | |
| | | | | | VALLISNERIA AMER | 14.7 | 10.1 | | | | |
| | | | | | NITELLOP. OBTUSA | 121.0 | 41.3 | | | | |
| | 3 | 312854 | 499997 | 7.0 | MYRIO. SPICATUM | 3.4 | 2.0 | 1700 | 1200 | 0.1 | 0.0 |
| | | | | | NAJAS FLEXILIS | 0.7 | 0.4 | | | | |
| | | | | | VALLISNERIA AMER | 28.2 | 18.3 | | | | |
| | | | | | NITELLOP. OBTUSA | 71.2 | 26.4 | | | | |
| | 4 | 312861 | 499999 | 6.0 | MYRIO. SPICATUM | 63.2 | 46.6 | 4400 | 550 | 0.3 | 0.1 |
| | | | | | NAJAS FLEXILIS | TRACE | | | | | |
| | | | | | POT. CRISPUS | 27.7 | 21.0 | | | | |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| | | | | | NITELLOP. OBTUSA | 49.8 | 20.5 | | | | |
| | 5 | 312861 | 499999 | 6.0 | MYRIO. SPICATUM | 126.4 | 97.9 | 4400 | 550 | 0.3 | 0.1 |
| | | | | | POT. CRISPUS | 0.6 | 0.3 | | | | |
| | | | | | VALLISNERIA AMER | 10.5 | 6.2 | | | | |
| | 6 | 312861 | 499999 | 7.0 | ELODEA CANADENS | 0.5 | 0.4 | 4400 | 550 | 0.3 | 0.1 |
| | | | | | MYRIO. SPICATUM | 4.5 | 3.5 | | | | |
| | | | | | POT. CRISPUS | 18.5 | 14.1 | | | | |
| | | | | | POT. ZOSTERIFORM | 9.1 | 5.9 | | | | |
| | | | | | VALLISNERIA AMER | 14.1 | 8.7 | | | | |
| | | | | | NITELLOP. OBTUSA | 15.1 | 7.2 | | | | |
| 8 | 1 | 312843 | 499995 | 5.0 | ELODEA CANADENS | TRACE | | 3400 | 450 | 0.2 | 0.1 |
| | | | | | MYRIO. SPICATUM | TRACE | | | | | |
| | | | | | NITELLOP. OBTUSA | 161.8 | 56.0 | | | | |
| | 2 | 312843 | 499995 | 5.0 | MYRIO. SPICATUM | 4.9 | 3.4 | 3400 | 450 | 0.2 | 0.1 |
| | | | | | NITELLOP. OBTUSA | 184.9 | 67.2 | | | | |
| | 3 | 312843 | 499995 | 5.0 | MYRIO. SPICATUM | 25.6 | 16.3 | 3400 | 450 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | 7.0 | 4.9 | | | | |
| | | | | | NITELLOP. OBTUSA | 166.1 | 62.5 | | | | |
| | 4 | 312843 | 499995 | 6.0 | MYRIO. SPICATUM | 202.1 | 136.8 | 3500 | 1500 | 0.5 | 0.3 |
| | 5 | 312843 | 499995 | 6.0 | MYRIO. SPICATUM | 115.0 | 79.6 | 3500 | 1500 | 0.5 | 0.3 |
| | | | | | VALLISNERIA AMER | 4.0 | 2.8 | | | | |
| | | | | | NITELLOP. OBTUSA | 35.2 | 13.2 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 312843 | 499995 | 6.0 | MYRIO. SPICATUM | 129.1 | 93.7 | 3500 | 1500 | 0.5 | 0.3 |
| | | | | | NITELLOP. OBTUSA | 65.6 | 22.5 | | | | |
| 9 | 1 | 312835 | 499993 | 6.0 | CHARA SPP. | 102.8 | 38.6 | 3500 | 1100 | 0.3 | 0.2 |
| | | | | | MYRIO. SPICATUM | 1.9 | 1.6 | | | | |
| | | | | | NITELLOP. OBTUSA | 0.6 | 0.2 | | | | |
| | 2 | 312835 | 499993 | 6.0 | NITELLOP. OBTUSA | 87.5 | 33.6 | 3500 | 1100 | 0.3 | 0.2 |
| | 3 | 312835 | 499993 | 6.0 | VALLISNERIA AMER | 92.6 | 55.2 | 3500 | 1100 | 0.3 | 0.2 |
| | | | | | NITELLOP. OBTUSA | 110.9 | 37.6 | | | | |
| | 4 | 312834 | 499995 | 9.0 | MYRIO. SPICATUM | 202.3 | 157.1 | 3100 | 600 | 0.3 | 0.0 |
| | | | | | POT. RICHARDSONI | 23.9 | 17.0 | | | | |
| | | | | | VALLISNERIA AMER | 8.9 | 6.2 | | | | |
| | 5 | 312834 | 499995 | 9.0 | MYRIO. SPICATUM | 121.8 | 95.0 | 3100 | 600 | 0.3 | 0.0 |
| | | | | | VALLISNERIA AMER | 9.4 | 6.7 | | | | |
| | 6 | 312834 | 499995 | 9.0 | MYRIO. SPICATUM | 122.5 | 88.6 | 3100 | 600 | 0.3 | 0.0 |
| | | | | | POT. RICHARDSONI | 11.1 | 9.3 | | | | |
| | | | | | POT. ZOSTERIFORM | 2.1 | 1.6 | | | | |
| | | | | | POT. NARROW | 1.4 | 1.0 | | | | |
| | | | | | VALLISNERIA AMER | 16.7 | 11.6 | | | | |
| | | | | | NITELLOP. OBTUSA | 13.1 | 4.1 | | | | |
| 10 | 1 | 312825 | 499994 | 7.0 | POT. RICHARDSONI | 74.4 | 59.9 | 3700 | 350 | 0.8 | 0.2 |
| | | | | | NITELLOP. OBTUSA | 45.3 | 16.1 | | | | |
| | 2 | 312825 | 499994 | 7.0 | POT. RICHARDSONI | 177.7 | 132.1 | 3700 | 350 | 0.8 | 0.2 |
| | | | | | POT. NARROW | TRACE | | | | | |
| | | | | | VALLISNERIA AMER | 11.7 | 7.7 | | | | |
| | | | | | NITELLOP. OBTUSA | 3.1 | 0.9 | | | | |
| | 3 | 312825 | 499994 | 7.0 | NITELLA HYALINA | 4.4 | 1.3 | 3700 | 350 | 0.8 | 0.2 |
| | | | | | POT. RICHARDSONI | 48.6 | 37.1 | | | | |
| | | | | | POT. ZOSTERIFORM | 0.7 | 0.4 | | | | |
| | | | | | VALLISNERIA AMER | 38.1 | 18.3 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JULY-AUGUST, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | HENNEPIN | 1 | 1 | 314061 | 500667 | 8.0 | POT. NARROW | 28.6 | 20.6 | 4000 | 1000 | 0.2 | 0.0 |
| | | | 2 | 314061 | 500667 | 8.0 | POT. NARROW | 50.1 | 32.5 | 4000 | 1000 | 0.2 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 9.0 | 4.1 | | | | |
| | | | 3 | 314061 | 500667 | 8.0 | POT. NARROW | 54.4 | 36.9 | 4000 | 1000 | 0.2 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 3.7 | 2.7 | | | | |
| | | | 4 | 314067 | 500670 | 6.0 | POT. NARROW | 15.6 | 10.7 | 3900 | 2500 | 0.2 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 50.8 | 22.4 | | | | |
| | | | 5 | 314067 | 500670 | 6.0 | POT. NARROW | 10.2 | 4.5 | 3900 | 2500 | 0.2 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 14.7 | 8.3 | | | | |
| | | | 6 | 314067 | 500670 | 6.0 | VALLISNERIA AMER | 37.6 | 19.1 | 3900 | 2500 | 0.2 | 0.0 |
| | | 2 | 1 | 314061 | 500675 | 9.0 | POT. RICHARDSONI | 101.3 | 73.4 | 3600 | 330 | 0.6 | 0.1 |
| | | | 2 | 314061 | 500675 | 9.0 | POT. RICHARDSONI | 212.2 | 147.0 | 3600 | 330 | 0.6 | 0.1 |
| | | | 3 | 314061 | 500675 | 9.0 | POT. RICHARDSONI | 72.0 | 55.1 | 3600 | 330 | 0.6 | 0.1 |
| | | | 4 | 314063 | 500676 | 8.0 | MYRIO. SPICATUM | 2.9 | 2.2 | 3600 | 130 | 0.3 | 0.1 |
| | | | | | | | POT. NARROW | 77.6 | 57.2 | | | | |
| | | | 5 | 314063 | 500676 | 8.0 | POT. NARROW | 90.2 | 61.7 | 3600 | 130 | 0.3 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 48.6 | 24.1 | | | | |
| | | | 6 | 314063 | 500676 | 8.0 | POT. NARROW | 65.9 | 51.0 | 3600 | 130 | 0.3 | 0.1 |
| | | 3 | 1 | 314073 | 500683 | 5.0 | VALLISNERIA AMER | 64.7 | 34.3 | 4100 | 2500 | 0.2 | 0.0 |
| | | | 2 | 314073 | 500683 | 5.0 | VALLISNERIA AMER | 24.8 | 14.9 | 4100 | 2500 | 0.2 | 0.0 |
| | | | 3 | 314073 | 500683 | 5.0 | VALLISNERIA AMER | 126.1 | 94.4 | 4100 | 2500 | 0.2 | 0.0 |
| | | 4 | 1 | 314088 | 500691 | 6.0 | VALLISNERIA AMER | 74.9 | 40.7 | 3600 | 270 | 0.4 | 0.3 |
| | | | 2 | 314088 | 500691 | 6.0 | VALLISNERIA AMER | 44.5 | 26.3 | 3600 | 270 | 0.4 | 0.3 |
| | | | 3 | 314088 | 500691 | 6.0 | VALLISNERIA AMER | 9.3 | 3.8 | 3600 | 270 | 0.4 | 0.3 |
| | | 5 | 1 | 314067 | 500687 | 8.0 | POT. RICHARDSONI | 133.8 | 93.4 | 3300 | 300 | 0.1 | 0.0 |
| | | | | | | | POT. NARROW | 4.9 | 3.5 | | | | |
| | | | 2 | 314067 | 500687 | 8.0 | POT. RICHARDSONI | 165.7 | 114.1 | 3300 | 300 | 0.1 | 0.0 |
| | | | | | | | POT. NARROW | 1.0 | 0.6 | | | | |
| | | | 3 | 314067 | 500687 | 8.0 | POT. RICHARDSONI | 143.6 | 101.7 | 3300 | 300 | 0.1 | 0.0 |
| | | | | | | | POT. NARROW | 13.0 | 8.9 | | | | |
| | | 6 | 1 | 314083 | 500696 | 5.0 | POT. RICHARDSONI | 66.2 | 36.8 | 2100 | 400 | 0.3 | 0.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 314083 | 500696 | 5.0 | POT. RICHARDSONI | 223.6 | 169.0 | 2100 | 400 | 0.3 | 0.0 |
| | 3 | 314083 | 500696 | 5.0 | POT. RICHARDSONI | 101.5 | 58.8 | 2100 | 400 | 0.3 | 0.0 |
| 7 | 1 | 314094 | 500703 | 6.0 | VALLISNERIA AMER | 32.7 | 20.9 | 2700 | 90 | 0.4 | 0.0 |
| | 2 | 314094 | 500703 | 6.0 | VALLISNERIA AMER | 28.2 | 17.5 | 2700 | 90 | 0.4 | 0.0 |
| | 3 | 314094 | 500703 | 6.0 | VALLISNERIA AMER | 44.9 | 25.2 | 2700 | 90 | 0.4 | 0.0 |
| 8 | 1 | 314076 | 500704 | 5.0 | MYRIO. SPICATUM | 12.1 | 9.6 | 3500 | 540 | 0.4 | 0.3 |
| | | | | | POT. RICHARDSONI | 219.1 | 165.9 | | | | |
| | | | | | POT. NARROW | 31.0 | 25.8 | | | | |
| | | | | | VALLISNERIA AMER | 11.4 | 5.0 | | | | |
| | 2 | 314076 | 500704 | 5.0 | POT. RICHARDSONI | 76.5 | 54.9 | 3500 | 540 | 0.4 | 0.3 |
| | | | | | POT. NARROW | 31.6 | 25.0 | | | | |
| | | | | | VALLISNERIA AMER | 7.4 | 3.8 | | | | |
| | 3 | 314076 | 500704 | 5.0 | POT. RICHARDSONI | 52.9 | 36.1 | 3500 | 540 | 0.4 | 0.3 |
| | | | | | POT. NARROW | 58.3 | 46.9 | | | | |
| | | | | | VALLISNERIA AMER | 0.8 | 0.6 | | | | |
| | 4 | 314076 | 500703 | 5.0 | POT. RICHARDSONI | 30.0 | 24.2 | 3500 | 540 | 0.4 | 0.3 |
| | | | | | POT. NARROW | 12.4 | 9.1 | | | | |
| | | | | | VALLISNERIA AMER | 257.8 | 230.4 | | | | |
| | 5 | 314076 | 500703 | 5.0 | POT. RICHARDSONI | 74.2 | 53.7 | 3500 | 540 | 0.4 | 0.3 |
| | | | | | POT. NARROW | 22.8 | 18.0 | | | | |
| | | | | | VALLISNERIA AMER | 25.5 | 14.9 | | | | |
| | 6 | 314076 | 500703 | 5.0 | POT. RICHARDSONI | 31.1 | 19.1 | 3500 | 540 | 0.4 | 0.3 |
| | | | | | POT. NARROW | 19.0 | 14.5 | | | | |
| | | | | | VALLISNERIA AMER | 338.0 | 317.0 | | | | |
| | 7 | 314075 | 500702 | 6.0 | MYRIO. SPICATUM | 265.6 | 204.6 | 4000 | 350 | 0.2 | 0.1 |
| | | | | | NAJAS FLEXILIS | 0.6 | 0.2 | | | | |
| | | | | | POT. RICHARDSONI | 59.3 | 44.4 | | | | |
| | | | | | POT. NARROW | 1.3 | 0.8 | | | | |
| | | | | | VALLISNERIA AMER | 3.0 | 1.8 | | | | |
| | 8 | 314075 | 500702 | 6.0 | MYRIO. SPICATUM | 252.6 | 183.7 | 4000 | 350 | 0.2 | 0.1 |
| | | | | | POT. RICHARDSONI | 3.5 | 3.1 | | | | |
| | | | | | VALLISNERIA AMER | 3.0 | 2.3 | | | | |
| | 9 | 314075 | 500702 | 6.0 | MYRIO. SPICATUM | 555.4 | 502.6 | 4000 | 350 | 0.2 | 0.1 |
| | | | | | POT. RICHARDSONI | 3.4 | 1.9 | | | | |
| 9 | 1 | 314088 | 500708 | 5.0 | POT. RICHARDSONI | 35.1 | 29.0 | 3900 | 150 | 0.3 | 0.1 |
| | | | | | VALLISNERIA AMER | 18.9 | 10.6 | | | | |
| | 2 | 314088 | 500708 | 5.0 | MYRIO. SPICATUM | 1.5 | 0.9 | 3900 | 150 | 0.3 | 0.1 |
| | | | | | POT. RICHARDSONI | 176.8 | 155.8 | | | | |
| | | | | | VALLISNERIA AMER | 32.7 | 19.0 | | | | |
| | 3 | 314088 | 500708 | 5.0 | POT. RICHARDSONI | 12.1 | 6.3 | 3900 | 150 | 0.3 | 0.1 |
| | | | | | VALLISNERIA AMER | 111.9 | 54.7 | | | | |
| | 4 | 314088 | 500708 | 5.0 | CHARA SPP. | 3.2 | 1.1 | 3900 | 150 | 0.3 | 0.1 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MYRIO. SPICATUM | 37.4 | 30.0 | | | | |
| | | | | | POT. RICHARDSONI | 21.0 | 16.7 | | | | |
| | | | | | POT. NARROW | 3.6 | 2.5 | | | | |
| | | | | | VALLISNERIA AMER | 5.3 | 3.5 | | | | |
| | 5 | 314088 | 500708 | 5.0 | CHARA SPP. | 2.1 | 0.6 | 3900 | 150 | 0.3 | 0.1 |
| | | | | | POT. RICHARDSONI | 71.2 | 48.7 | | | | |
| | | | | | POT. NARROW | 1.3 | 0.9 | | | | |
| | | | | | VALLISNERIA AMER | 0.7 | 0.3 | | | | |
| | 6 | 314088 | 500708 | 5.0 | CHARA SPP. | 4.0 | 2.5 | 3900 | 150 | 0.3 | 0.1 |
| | | | | | POT. RICHARDSONI | 74.9 | 48.4 | | | | |
| | | | | | VALLISNERIA AMER | 22.2 | 13.5 | | | | |
| 10 | 1 | 314100 | 500716 | 6.0 | VALLISNERIA AMER | 86.8 | 59.3 | 2700 | 1100 | 0.1 | 0.0 |
| | 2 | 314100 | 500716 | 6.0 | VALLISNERIA AMER | 42.2 | 24.8 | 2700 | 1100 | 0.1 | 0.0 |
| | | | | | NITELLOP. OBTUSA | 1.0 | 0.3 | | | | |
| | 3 | 314100 | 500716 | 6.0 | VALLISNERIA AMER | 19.8 | 11.5 | 2700 | 1100 | 0.1 | 0.0 |
| 11 | 1 | 314086 | 500717 | 7.0 | POT. NARROW | 29.9 | 20.5 | 4100 | 600 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | 20.1 | 13.7 | | | | |
| | 2 | 314086 | 500717 | 7.0 | POT. RICHARDSONI | 39.7 | 28.1 | 4100 | 600 | 0.2 | 0.1 |
| | | | | | POT. NARROW | 3.8 | 2.8 | | | | |
| | | | | | VALLISNERIA AMER | 89.3 | 72.0 | | | | |
| | 3 | 314086 | 500717 | 7.0 | VALLISNERIA AMER | 125.1 | 72.3 | 4100 | 600 | 0.2 | 0.1 |
| 12 | 1 | 314100 | 500723 | 6.5 | VALLISNERIA AMER | 32.8 | 14.9 | 3200 | 680 | 0.0 | 0.0 |
| | 2 | 314100 | 500723 | 6.5 | VALLISNERIA AMER | 15.1 | 8.9 | 3200 | 680 | 0.0 | 0.0 |
| | 3 | 314100 | 500723 | 6.5 | VALLISNERIA AMER | 11.0 | 6.7 | 3200 | 680 | 0.0 | 0.0 |
| 13 | 1 | 314097 | 500728 | 8.0 | POT. RICHARDSONI | 4.2 | 3.3 | 4000 | 600 | 0.1 | 0.0 |
| | | | | | POT. NARROW | 201.5 | 145.7 | | | | |
| | | | | | VALLISNERIA AMER | 0.1 | 0.0 | | | | |
| | 2 | 314097 | 500728 | 8.0 | POT. NARROW | 71.6 | 52.1 | 4000 | 600 | 0.1 | 0.0 |
| | 3 | 314097 | 500728 | 8.0 | POT. NARROW | 29.1 | 21.8 | 4000 | 600 | 0.1 | 0.0 |
| | 4 | 314100 | 500731 | 9.0 | POT. RICHARDSONI | 112.2 | 70.1 | 4000 | 600 | 0.1 | 0.0 |
| | 5 | 314100 | 500731 | 9.0 | POT. RICHARDSONI | 88.2 | 62.8 | 4000 | 600 | 0.1 | 0.0 |
| | 6 | 314100 | 500731 | 9.0 | POT. RICHARDSONI | 96.9 | 64.3 | 4000 | 600 | 0.1 | 0.0 |
| 14 | 1 | 314108 | 500737 | 8.0 | VALLISNERIA AMER | 142.5 | 52.6 | 3000 | 500 | 0.0 | 0.0 |
| | 2 | 314108 | 500737 | 8.0 | VALLISNERIA AMER | 47.6 | 38.2 | 3000 | 500 | 0.0 | 0.0 |
| | 3 | 314108 | 500737 | 8.0 | VALLISNERIA AMER | 15.3 | 9.5 | 3000 | 500 | 0.0 | 0.0 |

SUBMERSED MACROPHYTE PONAR DATA, JULY-AUGUST, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | STONY | 1 | 1 | 314222 | - | 9.0 | VALLISNERIA AMER | 62.0 | 42.2 | 3600 | 260 | 1.7 | 1.2 |
| | | | 2 | 314222 | - | 9.0 | VALLISNERIA AMER | 120.1 | 81.0 | 3600 | 260 | 1.7 | 1.2 |
| | | | 3 | 314222 | - | 9.0 | VALLISNERIA AMER | 22.8 | 12.9 | 3600 | 260 | 1.7 | 1.2 |
| | | 2 | 1 | 314215 | - | 7.0 | POT. RICHARDSONI | 19.6 | 14.1 | 3500 | 50 | 0.4 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 114.4 | 75.7 | | | | |
| | | | 2 | 314215 | - | 7.0 | POT. GRAMINEUS | 32.3 | 23.6 | 3500 | 50 | 0.4 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 80.9 | 51.8 | | | | |
| | | | 3 | 314215 | - | 7.0 | POT. NARROW | 11.1 | 8.9 | 3500 | 50 | 0.4 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 75.0 | 46.4 | | | | |
| | | 3 | 1 | 314204 | - | 7.0 | POT. RICHARDSONI | 36.9 | 25.5 | 1100 | 72 | 0.2 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 47.4 | 26.1 | | | | |
| | | | 2 | 314204 | - | 7.0 | ELODEA CANADENS | 1.0 | 0.5 | 1100 | 72 | 0.2 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 62.9 | 42.4 | | | | |
| | | | | | | | POT. NARROW | 40.8 | 31.9 | | | | |
| | | | | | | | VALLISNERIA AMER | 6.8 | 4.2 | | | | |
| | | | 3 | 314204 | - | 7.0 | POT. RICHARDSONI | 77.8 | 54.8 | 1100 | 72 | 0.2 | 0.1 |
| | | | | | | | POT. NARROW | 4.7 | 3.4 | | | | |
| | | | | | | | VALLISNERIA AMER | 6.5 | 3.5 | | | | |
| | | 4 | 1 | 314201 | - | 9.0 | MYRIO. SPICATUM | 89.9 | 65.4 | 3000 | 200 | 0.4 | 0.1 |
| | | | | | | | POT. CRISPUS | 5.6 | 5.2 | | | | |
| | | | | | | | VALLISNERIA AMER | 30.3 | 19.6 | | | | |
| | | | 2 | 314201 | - | 9.0 | MYRIO. SPICATUM | 174.4 | 123.0 | 3000 | 200 | 0.4 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 22.0 | 14.3 | | | | |
| | | | 3 | 314201 | - | 9.0 | MYRIO. SPICATUM | 121.8 | 89.8 | 3000 | 200 | 0.4 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 18.6 | 12.2 | | | | |
| | | 5 | 1 | - | - | 7.0 | POT. ZOSTERIFORM | 0.3 | 0.1 | 2100 | 250 | 0.6 | 0.4 |
| | | | | | | | POT. NARROW | 15.9 | 12.0 | | | | |
| | | | | | | | VALLISNERIA AMER | 57.1 | 34.8 | | | | |
| | | | 2 | - | - | 7.0 | POT. NARROW | 26.1 | 20.0 | 2100 | 250 | 0.6 | 0.4 |
| | | | | | | | VALLISNERIA AMER | 33.3 | 22.9 | | | | |
| | | | 3 | - | - | 7.0 | POT. NARROW | 18.4 | 12.6 | 2100 | 250 | 0.6 | 0.4 |
| | | | | | | | VALLISNERIA AMER | 85.8 | 53.8 | | | | |
| | | 6 | 1 | - | - | 3.0 | ELODEA CANADENS | 532.4 | 282.2 | 2400 | 62 | 0.0 | 0.0 |
| | | | | | | | HETERANTHERA DUB | TRACE | | | | | |
| | | | 2 | - | - | 3.0 | ELODEA CANADENS | 486.6 | 259.4 | 2400 | 62 | 0.0 | 0.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | - | - | 3.0 | ELODEA CANADENS | 308.0 | 211.7 | 2400 | 62 | 0.0 | 0.0 |
| | | | | | HETERANTHERA DUB | 2.4 | 1.9 | | | | |
| 7 | 1 | - | - | 3.0 | MYRIO. SPICATUM | 432.0 | 331.5 | 1500 | 100 | 0.2 | 0.1 |
| | 2 | - | - | 3.0 | MYRIO. SPICATUM | 112.1 | 85.0 | 1500 | 100 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | 0.3 | 0.1 | | | | |
| | 3 | - | - | 3.0 | MYRIO. SPICATUM | 103.9 | 77.4 | 1500 | 100 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | 0.5 | 0.2 | | | | |
| 8 | 1 | - | - | 3.5 | ELODEA CANADENS | 2.5 | 1.6 | 4000 | 1300 | 0.2 | 0.2 |
| | | | | | HETERANTHERA DUB | 95.5 | 70.9 | | | | |
| | | | | | MYRIO. SPICATUM | 4.4 | 3.1 | | | | |
| | 2 | - | - | 3.5 | ELODEA CANADENS | 2.1 | 1.4 | 4000 | 1300 | 0.2 | 0.2 |
| | | | | | HETERANTHERA DUB | 94.9 | 68.3 | | | | |
| | 3 | - | - | 3.5 | ELODEA CANADENS | 1.1 | 0.7 | 4000 | 1300 | 0.2 | 0.2 |
| | | | | | HETERANTHERA DUB | 180.8 | 136.1 | | | | |
| | | | | | MYRIO. SPICATUM | 8.4 | 6.2 | | | | |
| 9 | 1 | - | - | 6.0 | HETERANTHERA DUB | 2.9 | 2.1 | 2300 | 600 | 2.1 | 2.0 |
| | | | | | VALLISNERIA AMER | 5.0 | 3.7 | | | | |
| | 2 | - | - | 6.0 | ELODEA CANADENS | 14.8 | 10.2 | 2300 | 600 | 2.1 | 2.0 |
| | | | | | HETERANTHERA DUB | 13.4 | 9.6 | | | | |
| | | | | | MYRIO. SPICATUM | 1.3 | 1.0 | | | | |
| | | | | | POT. CRISPUS | 2.9 | 2.0 | | | | |
| | 3 | - | - | 6.0 | HETERANTHERA DUB | 0.9 | 0.7 | 2300 | 600 | 2.1 | 2.0 |
| | | | | | MYRIO. SPICATUM | 0.1 | 0.0 | | | | |
| | | | | | POT. CRISPUS | 1.5 | 1.2 | | | | |
| | | | | | VALLISNERIA AMER | 9.0 | 6.6 | | | | |
| 10 | 1 | - | - | 3.0 | MYRIO. SPICATUM | 50.8 | 39.7 | 3000 | 1700 | 0.5 | 0.5 |
| | | | | | VALLISNERIA AMER | 0.8 | 0.5 | | | | |
| | 2 | - | - | 3.0 | MYRIO. SPICATUM | 130.0 | 91.1 | 3000 | 1700 | 0.5 | 0.5 |
| | 3 | - | - | 3.0 | MYRIO. SPICATUM | 51.9 | 32.7 | 3000 | 1700 | 0.5 | 0.5 |
| 11 | 1 | - | - | 4.0 | MYRIO. SPICATUM | 7.4 | 3.4 | 2000 | 1100 | 0.9 | 0.8 |
| | | | | | VALLISNERIA AMER | 5.3 | 3.7 | | | | |
| | 2 | - | - | 4.0 | HETERANTHERA DUB | 20.1 | 13.8 | 2000 | 1100 | 0.9 | 0.8 |
| | | | | | MYRIO. SPICATUM | 151.5 | 112.7 | | | | |
| | 3 | - | - | 4.0 | MYRIO. SPICATUM | 23.3 | 17.1 | 2000 | 1100 | 0.9 | 0.8 |
| | | | | | VALLISNERIA AMER | 3.5 | 2.4 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, SEPTEMBER, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR STAG | | 1 | 1 | 309021 | 497380 | 11.0 | NO PLANTS PRESENT | | | 1200 | 630 | 2.8 | 2.4 |
| | | | 2 | 309021 | 497380 | 11.0 | NO PLANTS PRESENT | | | 1200 | 630 | 2.8 | 2.4 |
| | | | 3 | 309021 | 497380 | 11.0 | NO PLANTS PRESENT | | | 1200 | 630 | 2.8 | 2.4 |
| | | 2 | 1 | 309035 | 497386 | 12.0 | NO PLANTS PRESENT | | | 1200 | 600 | 2.6 | 1.7 |
| | | | 2 | 309035 | 497386 | 12.0 | NO PLANTS PRESENT | | | 1200 | 600 | 2.6 | 1.7 |
| | | | 3 | 309035 | 497386 | 12.0 | NO PLANTS PRESENT | | | 1200 | 600 | 2.6 | 1.7 |
| | | 3 | 1 | 309029 | 497386 | 11.0 | NO PLANTS PRESENT | | | 1000 | 610 | 2.2 | 1.3 |
| | | | 2 | 309029 | 497386 | 11.0 | NO PLANTS PRESENT | | | 1000 | 610 | 2.2 | 1.3 |
| | | | 3 | 309029 | 497386 | 11.0 | NO PLANTS PRESENT | | | 1000 | 610 | 2.2 | 1.3 |
| | | 4 | 1 | 309038 | 497390 | 12.0 | NO PLANTS PRESENT | | | 720 | 480 | 2.4 | 1.3 |
| | | | 2 | 309038 | 497390 | 12.0 | NO PLANTS PRESENT | | | 720 | 480 | 2.4 | 1.3 |
| | | | 3 | 309038 | 497390 | 12.0 | NO PLANTS PRESENT | | | 720 | 480 | 2.4 | 1.3 |
| | | 5 | 1 | 309032 | 497391 | 9.0 | POT. GRAMINEUS | 1.0 | 0.9 | 1000 | 120 | 1.7 | 0.0 |
| | | | | | | | POT. NARROW | 115.1 | 103.4 | | | | |
| | | | 2 | 309032 | 497391 | 9.0 | POT. NARROW | 330.8 | 288.1 | 1000 | 120 | 1.7 | 0.0 |
| | | | 3 | 309032 | 497391 | 9.0 | POT. NARROW | 143.3 | 115.1 | 1000 | 120 | 1.7 | 0.0 |
| | | 6 | 1 | 309039 | 497397 | 5.0 | CHARA SPP. | 534.4 | 183.7 | 1000 | 720 | 1.0 | 0.0 |
| | | | | | | | POT. GRAMINEUS | 9.9 | 8.4 | | | | |
| | | | | | | | POT. NARROW | 8.7 | 7.2 | | | | |
| | | | 2 | 309039 | 497397 | 5.0 | CHARA SPP. | 677.2 | 213.8 | 1000 | 720 | 1.0 | 0.0 |
| | | | | | | | POT. GRAMINEUS | 18.0 | 12.8 | | | | |
| | | | | | | | POT. NARROW | 9.0 | 7.2 | | | | |
| | | | 3 | 309039 | 497397 | 5.0 | CHARA SPP. | 422.2 | 143.2 | 1000 | 720 | 1.0 | 0.0 |
| | | | | | | | POT. GRAMINEUS | 7.3 | 5.9 | | | | |
| | | | | | | | POT. NARROW | TRACE | | | | | |
| | | 7 | 1 | 309037 | 497397 | 7.5 | ELODEA CANADENS | 7.6 | 5.5 | 1100 | 560 | 0.9 | 0.4 |
| | | | | | | | POT. GRAMINEUS | 42.3 | 29.2 | | | | |
| | | | | | | | POT. NARROW | 252.6 | 202.8 | | | | |
| | | | 2 | 309037 | 497397 | 7.5 | POT. NARROW | 320.1 | 280.9 | 1100 | 560 | 0.9 | 0.4 |
| | | | 3 | 309037 | 497397 | 7.5 | POT. GRAMINEUS | 1.9 | 1.6 | 1100 | 560 | 0.9 | 0.4 |
| | | | | | | | POT. NARROW | 309.5 | 274.7 | | | | |
| | | | 4 | 309034 | 497396 | 5.0 | POT. RICHARDSONI | 289.6 | 214.7 | 3500 | 250 | 0.4 | 0.0 |
| | | | | | | | POT. NARROW | 18.2 | 14.7 | | | | |
| | | | 5 | 309034 | 497396 | 5.0 | POT. RICHARDSONI | 372.7 | 275.0 | 3500 | 250 | 0.4 | 0.0 |
| | | | | | | | POT. NARROW | 24.4 | 19.6 | | | | |
| | | | 6 | 309034 | 497396 | 5.0 | POT. GRAMINEUS | 336.4 | 250.2 | 3500 | 250 | 0.4 | 0.0 |
| | | | | | | | POT. NARROW | 115.1 | 96.6 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 309032 | 497393 | 3.0 | CHARA SPP. | 617.6 | 212.5 | 1000 | 800 | 1.5 | 0.2 |
| | | | | | POT. NARROW | 4.1 | 3.4 | | | | |
| | 8 | 309032 | 497393 | 3.0 | CHARA SPP. | 351.0 | 144.0 | 1000 | 800 | 1.5 | 0.2 |
| | | | | | POT. NARROW | 4.9 | 4.1 | | | | |
| | 9 | 309032 | 497393 | 3.0 | CHARA SPP. | 106.7 | 46.2 | 1000 | 800 | 1.5 | 0.2 |
| | | | | | POT. NARROW | 153.4 | 130.1 | | | | |
| 8 | 1 | 309041 | 497399 | 5.0 | CHARA SPP. | 175.6 | 61.3 | 650 | 400 | 0.7 | 0.1 |
| | | | | | NAJAS FLEXILIS | 2.0 | 1.4 | | | | |
| | | | | | POT. GRAMINEUS | 55.4 | 39.1 | | | | |
| | | | | | POT. NARROW | 2.8 | 2.4 | | | | |
| | 2 | 309041 | 497399 | 5.0 | CHARA SPP. | 256.6 | 96.4 | 650 | 400 | 0.7 | 0.1 |
| | | | | | POT. GRAMINEUS | 82.8 | 65.2 | | | | |
| | | | | | POT. NARROW | 20.1 | 17.2 | | | | |
| | 3 | 309041 | 497399 | 5.0 | CHARA SPP. | 90.5 | 32.5 | 650 | 400 | 0.7 | 0.1 |
| | | | | | POT. GRAMINEUS | 90.6 | 70.4 | | | | |
| | | | | | POT. NARROW | 19.5 | 17.1 | | | | |
| | 4 | 309043 | 497399 | 6.0 | POT. GRAMINEUS | 115.1 | 90.3 | 590 | 380 | 1.0 | 0.3 |
| | | | | | POT. NARROW | 105.6 | 89.3 | | | | |
| | 5 | 309043 | 497399 | 6.0 | POT. GRAMINEUS | 57.7 | 44.8 | 590 | 380 | 1.0 | 0.3 |
| | | | | | POT. NARROW | 241.7 | 215.1 | | | | |
| | 6 | 309043 | 497399 | 6.0 | POT. GRAMINEUS | 160.5 | 126.6 | 590 | 380 | 1.0 | 0.3 |
| | | | | | POT. NARROW | 133.9 | 118.2 | | | | |
| 9 | 1 | 309034 | 497400 | 8.0 | ELODEA CANADENS | 29.9 | 22.5 | 4000 | 700 | 0.6 | 0.0 |
| | | | | | POT. RICHARDSONI | 136.0 | 108.4 | | | | |
| | 2 | 309034 | 497400 | 8.0 | ELODEA CANADENS | 19.3 | 14.5 | 4000 | 700 | 0.6 | 0.0 |
| | | | | | POT. RICHARDSONI | 88.1 | 72.4 | | | | |
| | | | | | NITELLOP. OBTUSA | 5.5 | 2.8 | | | | |
| | 3 | 309034 | 497400 | 8.0 | ELODEA CANADENS | 10.8 | 7.9 | 4000 | 700 | 0.6 | 0.0 |
| | | | | | POT. RICHARDSONI | 93.7 | 74.7 | | | | |
| | 4 | 309038 | 497398 | 8.0 | CHARA SPP. | 3.2 | 1.5 | 3600 | 390 | 1.0 | 0.2 |
| | | | | | ELODEA CANADENS | 3.6 | 2.6 | | | | |
| | | | | | MYRIO. SPICATUM | 189.2 | 161.9 | | | | |
| | | | | | POT. RICHARDSONI | 17.0 | 13.9 | | | | |
| | | | | | POT. NARROW | 22.3 | 8.1 | | | | |
| | 5 | 309038 | 497398 | 8.0 | ELODEA CANADENS | 125.6 | 90.4 | 3600 | 390 | 1.0 | 0.2 |
| | | | | | MYRIO. SPICATUM | 132.1 | 98.7 | | | | |
| | | | | | POT. RICHARDSONI | 42.8 | 43.9 | | | | |
| | | | | | POT. NARROW | 33.6 | 28.0 | | | | |
| | 6 | 309038 | 497398 | 8.0 | ELODEA CANADENS | 29.7 | 19.0 | 3600 | 390 | 1.0 | 0.2 |
| | | | | | MYRIO. SPICATUM | 98.3 | 78.0 | | | | |
| | | | | | NITELLA HYALINA | 9.2 | 4.8 | | | | |
| | | | | | POT. RICHARDSONI | 45.7 | 35.7 | | | | |
| | | | | | POT. NARROW | 59.2 | 47.5 | | | | |
| 10 | 1 | 309056 | 497407 | 12.0 | NITELLA HYALINA | 44.7 | 16.9 | 41 | 21 | 0.4 | 0.1 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. RICHARDSONI | 16.0 | 11.6 | | | | |
| | | | | | POT. NARROW | 1.5 | 1.2 | | | | |
| | 2 | 309056 | 497407 | 12.0 | CHARA SPP. | 186.2 | 76.4 | 41 | 21 | 0.4 | 0.1 |
| | | | | | POT. GRAMINEUS | 15.5 | 13.0 | | | | |
| | 3 | 309056 | 497407 | 12.0 | CHARA SPP. | 77.0 | 32.3 | 41 | 21 | 0.4 | 0.1 |
| | | | | | POT. RICHARDSONI | 46.7 | 38.3 | | | | |
| | | | | | POT. NARROW | 34.0 | 28.4 | | | | |
| 11 | 1 | 309046 | 497409 | 8.5 | ELODEA CANADENS | 18.5 | 12.7 | 420 | 58 | 0.5 | 0.0 |
| | | | | | MYRIO. SPICATUM | 9.1 | 7.3 | | | | |
| | | | | | POT. RICHARDSONI | 85.7 | 68.9 | | | | |
| | | | | | POT. NARROW | 135.8 | 114.4 | | | | |
| | 2 | 309046 | 497409 | 8.5 | ELODEA CANADENS | 46.8 | 31.0 | 420 | 58 | 0.5 | 0.0 |
| | | | | | POT. RICHARDSONI | 27.9 | 17.5 | | | | |
| | | | | | POT. NARROW | 311.1 | 245.7 | | | | |
| | 3 | 309046 | 497409 | 8.5 | ELODEA CANADENS | 15.7 | 11.1 | 420 | 58 | 0.5 | 0.0 |
| | | | | | MYRIO. SPICATUM | 0.5 | 0.3 | | | | |
| | | | | | POT. RICHARDSONI | 83.7 | 63.6 | | | | |
| | | | | | POT. NARROW | 117.1 | 91.3 | | | | |
| | 4 | 309048 | 497403 | 11.0 | ELODEA CANADENS | 2.7 | 1.7 | 470 | 9 | 0.3 | 0.0 |
| | | | | | MYRIO. SPICATUM | 0.7 | 0.6 | | | | |
| | | | | | POT. RICHARDSONI | 114.8 | 77.2 | | | | |
| | | | | | NITELLOP. OBTUSA | 0.5 | 0.1 | | | | |
| | 5 | 309048 | 497403 | 11.0 | ELODEA CANADENS | 30.7 | 21.0 | 470 | 9 | 0.3 | 0.0 |
| | | | | | POT. RICHARDSONI | 114.5 | 88.0 | | | | |
| | | | | | NITELLOP. OBTUSA | 10.4 | 5.1 | | | | |
| | 6 | 309048 | 497403 | 11.0 | CHARA SPP. | 13.9 | 4.6 | 470 | 9 | 0.3 | 0.0 |
| | | | | | ELODEA CANADENS | 1.9 | 1.4 | | | | |
| | | | | | MYRIO. SPICATUM | 0.8 | 0.5 | | | | |
| | | | | | POT. RICHARDSONI | 80.9 | 62.2 | | | | |
| | | | | | POT. NARROW | 0.4 | 0.3 | | | | |
| | 7 | 309046 | 497410 | 2.5 | CHARA SPP. | 55.5 | 16.9 | 46 | 43 | 0.4 | 0.3 |
| | | | | | POT. GRAMINEUS | 3.0 | 2.5 | | | | |
| | 8 | 309046 | 497410 | 2.5 | CHARA SPP. | 231.1 | 84.9 | 46 | 43 | 0.4 | 0.3 |
| | | | | | NAJAS FLEXILIS | 4.7 | 3.7 | | | | |
| | | | | | POT. GRAMINEUS | 26.7 | 11.3 | | | | |
| | 9 | 309046 | 497410 | 2.5 | CHARA SPP. | 264.2 | 93.2 | 46 | 43 | 0.4 | 0.3 |
| | | | | | NAJAS FLEXILIS | 8.2 | 5.9 | | | | |
| | | | | | POT. GRAMINEUS | 13.1 | 9.9 | | | | |
| | | | | | POT. NARROW | 0.7 | 0.6 | | | | |
| 12 | 1 | 309044 | 497408 | 8.5 | ELODEA CANADENS | 10.6 | 8.4 | 2000 | 1000 | 0.3 | 0.0 |
| | | | | | MYRIO. SPICATUM | 152.5 | 111.0 | | | | |
| | | | | | POT. NARROW | 2.6 | 2.1 | | | | |
| | 2 | 309044 | 497408 | 8.5 | CHARA SPP. | TRACE | | 2000 | 1000 | 0.3 | 0.0 |
| | | | | | ELODEA CANADENS | 1.0 | 0.7 | | | | |
| | | | | | MYRIO. SPICATUM | 87.2 | 69.8 | | | | |
| | | | | | POT. NARROW | 156.1 | 127.3 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 309044 | 497408 | 8.5 | ELODEA CANADENS | 57.6 | 43.1 | 2000 | 1000 | 0.3 | 0.0 |
| | | | | | MYRIO. SPICATUM | 81.1 | 60.1 | | | | |
| | 4 | 309044 | 497409 | 3.0 | CHARA SPP. | 176.9 | 56.0 | 3400 | 2500 | 0.7 | 0.4 |
| | | | | | POT. GRAMINEUS | 2.1 | 1.7 | | | | |
| | 5 | 309044 | 497409 | 3.0 | CHARA SPP. | 222.1 | 75.2 | 3400 | 2500 | 0.7 | 0.4 |
| | 6 | 309044 | 497409 | 3.0 | CHARA SPP. | 229.3 | 74.4 | 3400 | 2500 | 0.7 | 0.4 |
| | 7 | 309041 | 497408 | 5.5 | CHARA SPP. | 182.4 | 53.2 | 720 | 390 | 0.2 | 0.0 |
| | | | | | ELODEA CANADENS | 27.5 | 20.2 | | | | |
| | | | | | MYRIO. SPICATUM | 0.8 | 0.6 | | | | |
| | | | | | POT. RICHARDSONI | 53.4 | 43.9 | | | | |
| | | | | | POT. ZOSTERIFORM | 15.1 | 12.0 | | | | |
| | | | | | VALLISNERIA AMER | 18.0 | 11.3 | | | | |
| | 8 | 309041 | 497408 | 5.5 | CHARA SPP. | 141.2 | 48.4 | 720 | 390 | 0.2 | 0.0 |
| | | | | | ELODEA CANADENS | 0.9 | 0.7 | | | | |
| | | | | | POT. RICHARDSONI | 27.3 | 22.3 | | | | |
| | | | | | VALLISNERIA AMER | 34.4 | 22.0 | | | | |
| | 9 | 309041 | 497408 | 5.5 | CHARA SPP. | 114.2 | 34.1 | 720 | 390 | 0.2 | 0.0 |
| | | | | | ELODEA CANADENS | 56.0 | 37.6 | | | | |
| | | | | | MYRIO. EXALBESC | 3.8 | 2.9 | | | | |
| | | | | | POT. RICHARDSONI | 65.2 | 51.2 | | | | |
| | | | | | VALLISNERIA AMER | 59.9 | 35.1 | | | | |
| 13 | 1 | 309060 | 497414 | 9.0 | ELODEA CANADENS | 10.0 | 7.4 | 110 | 1 | 0.2 | 0.0 |
| | | | | | MYRIO. SPICATUM | 28.2 | 21.8 | | | | |
| | | | | | POT. RICHARDSONI | 65.2 | 52.2 | | | | |
| | | | | | NITELLOP. OBTUSA | 1.2 | 0.6 | | | | |
| | 2 | 309060 | 497414 | 9.0 | ELODEA CANADENS | 44.9 | 32.0 | 110 | 1 | 0.2 | 0.0 |
| | | | | | MYRIO. SPICATUM | 83.9 | 64.1 | | | | |
| | | | | | NAJAS FLEXILIS | 0.2 | 0.1 | | | | |
| | 3 | 309060 | 497414 | 9.0 | ELODEA CANADENS | 18.7 | 13.4 | 110 | 1 | 0.2 | 0.0 |
| | | | | | MYRIO. SPICATUM | 104.5 | 82.7 | | | | |
| | | | | | POT. RICHARDSONI | 8.7 | 7.0 | | | | |
| 14 | 1 | 309068 | 497418 | 9.0 | POT. RICHARDSONI | 5.9 | 5.1 | 70 | 55 | 1.5 | 0.2 |
| | | | | | POT. NARROW | 226.9 | 197.2 | | | | |
| | 2 | 309068 | 497418 | 9.0 | CHARA SPP. | 7.9 | 2.6 | 70 | 55 | 1.5 | 0.2 |
| | | | | | NITELLA HYALINA | 13.1 | 4.3 | | | | |
| | | | | | POT. NARROW | 166.3 | 132.8 | | | | |
| | 3 | 309068 | 497418 | 9.0 | NITELLA HYALINA | TRACE | | 70 | 55 | 1.5 | 0.2 |
| | | | | | POT. GRAMINEUS | 6.3 | 3.2 | | | | |
| | | | | | POT. NARROW | 113.2 | 88.6 | | | | |
| 15 | 1 | 309074 | 497426 | 2.5 | CHARA SPP. | 261.7 | 78.2 | 140 | 110 | 0.4 | 0.2 |
| | | | | | POT. GRAMINEUS | 6.6 | 4.5 | | | | |
| | | | | | POT. NARROW | 0.5 | 0.4 | | | | |
| | 2 | 309074 | 497426 | 2.5 | CHARA SPP. | 100.7 | 30.2 | 140 | 110 | 0.4 | 0.2 |
| | | | | | POT. NARROW | 0.4 | 0.3 | | | | |
| | 3 | 309074 | 497426 | 2.5 | CHARA SPP. | 142.9 | 58.0 | 140 | 110 | 0.4 | 0.2 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | POT. GRAMINEUS | 9.3 | 6.2 | | | | |
| | | | | POT. NARROW | 1.9 | 1.5 | | | | |
| 4 | 309076 | 497427 | 7.0 | NITELLA HYALINA | 31.5 | 12.5 | 210 | 100 | 0.7 | 0.3 |
| | | | | POT. GRAMINEUS | 110.9 | 71.1 | | | | |
| 5 | 309076 | 497427 | 7.0 | CHARA SPP. | 3.3 | 1.1 | 210 | 100 | 0.7 | 0.3 |
| | | | | POT. GRAMINEUS | 155.4 | 114.4 | | | | |
| 6 | 309076 | 497427 | 7.0 | CHARA SPP. | 45.9 | 18.5 | 210 | 100 | 0.7 | 0.3 |
| | | | | POT. GRAMINEUS | 83.8 | 58.8 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, SEPTEMBER, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | FAWN | 1 | 1 | 309568 | 498248 | 10.0 | CHARA SPP. | 12.1 | 4.5 | 3700 | 110 | 1.7 | 0.1 |
| | | | | | | | POT. GRAMINEUS | 183.0 | 146.5 | | | | |
| | | | | | | | POT. NARROW | 32.3 | 26.0 | | | | |
| | | | 2 | 309568 | 498248 | 10.0 | POT. RICHARDSONI | 213.9 | 174.7 | 3700 | 110 | 1.7 | 0.1 |
| | | | | | | | POT. NARROW | 153.8 | 128.8 | | | | |
| | | | 3 | 309568 | 498248 | 10.0 | POT. RICHARDSONI | 62.1 | 51.2 | 3700 | 110 | 1.7 | 0.1 |
| | | | | | | | POT. NARROW | 41.4 | 34.7 | | | | |
| | | 2 | 1 | 309582 | 498256 | 8.0 | ELODEA CANADENS | 8.8 | 6.2 | 3100 | 230 | 0.3 | 0.0 |
| | | | | | | | POT. GRAMINEUS | 278.0 | 214.2 | | | | |
| | | | 2 | 309582 | 498256 | 8.0 | ELODEA CANADENS | 7.7 | 5.6 | 3100 | 230 | 0.3 | 0.0 |
| | | | | | | | NITELLA HYALINA | 23.4 | 11.5 | | | | |
| | | | | | | | POT. GRAMINEUS | 101.2 | 80.8 | | | | |
| | | | 3 | 309582 | 498256 | 8.0 | CHARA SPP. | 4.9 | 1.6 | 3100 | 230 | 0.3 | 0.0 |
| | | | | | | | ELODEA CANADENS | 1.5 | 1.0 | | | | |
| | | | | | | | POT. GRAMINEUS | 90.7 | 69.8 | | | | |
| | | 3 | 1 | 309589 | 498259 | 9.0 | ELODEA CANADENS | 280.6 | 253.5 | 3400 | 8 | 0.1 | 0.0 |
| | | | | | | | POT. RICHARDSONI | 12.9 | 10.3 | | | | |
| | | | 2 | 309589 | 498259 | 9.0 | ELODEA CANADENS | 271.1 | 210.1 | 3400 | 8 | 0.1 | 0.0 |
| | | | | | | | POT. GRAMINEUS | 45.7 | 29.8 | | | | |
| | | | | | | | POT. RICHARDSONI | 13.4 | 11.1 | | | | |
| | | | | | | | POT. NARROW | 0.4 | 0.2 | | | | |
| | | | 3 | 309589 | 498259 | 9.0 | ELODEA CANADENS | 177.8 | 137.1 | 3400 | 8 | 0.1 | 0.0 |
| | | | | | | | POT. RICHARDSONI | 40.5 | 32.4 | | | | |
| | | | | | | | POT. NARROW | 7.3 | 6.0 | | | | |
| | | | 4 | 309586 | 498257 | 12.0 | ELODEA CANADENS | 5.8 | 4.1 | 3500 | 70 | 0.1 | 0.0 |
| | | | | | | | NITELLA HYALINA | TRACE | | | | | |
| | | | | | | | POT. RICHARDSONI | 126.2 | 97.8 | | | | |
| | | | 5 | 309586 | 498257 | 12.0 | ELODEA CANADENS | 0.5 | 0.3 | 3500 | 70 | 0.1 | 0.0 |
| | | | | | | | MYRIO. SPICATUM | 2.2 | 1.8 | | | | |
| | | | | | | | POT. RICHARDSONI | 128.3 | 99.3 | | | | |
| | | | | | | | POT. NARROW | 3.1 | 2.6 | | | | |
| | | | 6 | 309586 | 498257 | 12.0 | ELODEA CANADENS | 10.2 | 7.7 | 3500 | 70 | 0.1 | 0.0 |
| | | | | | | | POT. RICHARDSONI | 186.7 | 147.8 | | | | |
| | | 4 | 1 | 309572 | 498256 | 6.0 | CHARA SPP. | 389.5 | 114.9 | 2700 | 530 | 0.6 | 0.1 |
| | | | | | | | POT. GRAMINEUS | 73.5 | 53.2 | | | | |
| | | | 2 | 309572 | 498256 | 6.0 | CHARA SPP. | 231.2 | 67.4 | 2700 | 530 | 0.6 | 0.1 |
| | | | | | | | ELODEA CANADENS | 1.5 | 1.0 | | | | |
| | | | | | | | POT. GRAMINEUS | 325.4 | 210.7 | | | | |
| | | | | | | | POT. ZOSTERIFORM | 0.8 | 0.6 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 309572 | 498256 | 6.0 | CHARA SPP. | 62.7 | 21.7 | 2700 | 530 | 0.6 | 0.1 |
| | | | | | ELODEA CANADENS | 1.6 | 1.1 | | | | |
| | | | | | POT. GRAMINEUS | 202.2 | 141.9 | | | | |
| | | | | | POT. NARROW | 33.3 | 25.6 | | | | |
| 5 | 1 | 309600 | 498266 | 9.0 | CHARA SPP. | 2.9 | 1.1 | 4000 | 2500 | 0.7 | 0.2 |
| | | | | | POT. GRAMINEUS | 68.4 | 50.5 | | | | |
| | | | | | POT. RICHARDSONI | 51.7 | 42.1 | | | | |
| | | | | | POT. NARROW | 1.2 | 0.9 | | | | |
| | 2 | 309600 | 498266 | 9.0 | CHARA SPP. | 24.2 | 7.7 | 4000 | 2500 | 0.7 | 0.2 |
| | | | | | NAJAS FLEXILIS | 1.0 | 0.6 | | | | |
| | | | | | POT. GRAMINEUS | 54.2 | 38.5 | | | | |
| | | | | | POT. RICHARDSONI | 67.9 | 54.7 | | | | |
| | | | | | POT. NARROW | 0.3 | 0.2 | | | | |
| | | | | | VALLISNERIA AMER | 5.1 | 3.7 | | | | |
| | 3 | 309600 | 498266 | 9.0 | CHARA SPP. | 47.3 | 15.3 | 4000 | 2500 | 0.7 | 0.2 |
| | | | | | POT. GRAMINEUS | 62.2 | 46.7 | | | | |
| | | | | | POT. RICHARDSONI | 3.2 | 2.4 | | | | |
| | | | | | POT. NARROW | 2.9 | 2.3 | | | | |
| | | | | | VALLISNERIA AMER | 18.8 | 13.5 | | | | |
| 6 | 1 | 309595 | 498266 | 3.0 | CHARA SPP. | 195.2 | 60.1 | 3800 | 3000 | 0.6 | 0.6 |
| | | | | | POT. GRAMINEUS | 0.5 | 0.2 | | | | |
| | | | | | POT. RICHARDSONI | 0.4 | 0.3 | | | | |
| | 2 | 309595 | 498266 | 3.0 | CHARA SPP. | 182.9 | 58.7 | 3800 | 3000 | 0.6 | 0.6 |
| | | | | | NAJAS FLEXILIS | TRACE | | | | | |
| | 3 | 309595 | 498266 | 3.0 | CHARA SPP. | 114.9 | 32.4 | 3800 | 3000 | 0.6 | 0.6 |
| | | | | | NAJAS FLEXILIS | 0.3 | 0.1 | | | | |
| | 4 | 309595 | 498263 | 8.5 | CHARA SPP. | 3.2 | 1.2 | 3900 | 110 | 0.4 | 0.0 |
| | | | | | ELODEA CANADENS | 10.5 | 7.3 | | | | |
| | | | | | POT. RICHARDSONI | 52.5 | 41.1 | | | | |
| | | | | | POT. NARROW | 84.2 | 62.9 | | | | |
| | 5 | 309595 | 498263 | 8.5 | ELODEA CANADENS | 260.7 | 188.4 | 3900 | 110 | 0.4 | 0.0 |
| | | | | | POT. RICHARDSONI | 8.9 | 6.7 | | | | |
| | | | | | POT. NARROW | 22.3 | 18.7 | | | | |
| | 6 | 309595 | 498263 | 8.5 | ELODEA CANADENS | 90.1 | 64.8 | 3900 | 110 | 0.4 | 0.0 |
| | | | | | POT. GRAMINEUS | 4.9 | 3.3 | | | | |
| | | | | | POT. RICHARDSONI | 34.9 | 28.1 | | | | |
| | | | | | POT. NARROW | 22.6 | 18.7 | | | | |
| 7 | 1 | 309584 | 498266 | 3.0 | CHARA SPP. | 112.5 | 46.1 | 1500 | 350 | 0.2 | 0.0 |
| | | | | | ELODEA CANADENS | 1.1 | 0.7 | | | | |
| | | | | | NAJAS FLEXILIS | TRACE | | | | | |
| | | | | | POT. GRAMINEUS | 42.1 | 33.9 | | | | |
| | | | | | POT. RICHARDSONI | 17.7 | 14.5 | | | | |
| | | | | | POT. NARROW | 58.4 | 33.9 | | | | |
| | 2 | 309584 | 498266 | 3.0 | POT. GRAMINEUS | 69.3 | 55.3 | 1500 | 350 | 0.2 | 0.0 |
| | | | | | POT. NARROW | 62.2 | 48.8 | | | | |
| | 3 | 309584 | 498266 | 3.0 | CHARA SPP. | 25.9 | 10.3 | 1500 | 350 | 0.2 | 0.0 |
| | | | | | POT. GRAMINEUS | 117.1 | 88.7 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. RICHARDSONI | 14.9 | 11.2 | | | | |
| | | | | | POT. NARROW | 52.3 | 38.7 | | | | |
| | 4 | 309585 | 498263 | 3.0 | CHARA SPP. | 49.0 | 16.1 | 2100 | 1800 | 0.8 | 0.6 |
| | 5 | 309585 | 498263 | 3.0 | CHARA SPP. | 73.4 | 27.1 | 2100 | 1800 | 0.8 | 0.6 |
| | 6 | 309585 | 498263 | 3.0 | CHARA SPP. | 72.5 | 27.3 | 2100 | 1800 | 0.8 | 0.6 |
| 8 | 1 | 309605 | 498270 | 5.0 | CHARA SPP. | 1.7 | 0.6 | 4400 | 1800 | 0.5 | 0.1 |
| | | | | | POT. GRAMINEUS | 134.2 | 100.1 | | | | |
| | | | | | POT. RICHARDSONI | 23.5 | 18.4 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | | | | | VALLISNERIA AMER | 2.7 | 2.0 | | | | |
| | 2 | 309605 | 498270 | 5.0 | CHARA SPP. | 7.4 | 3.0 | 4400 | 1800 | 0.5 | 0.1 |
| | | | | | POT. GRAMINEUS | 133.3 | 102.1 | | | | |
| | | | | | POT. RICHARDSONI | 10.0 | 8.1 | | | | |
| | 3 | 309605 | 498270 | 5.0 | CHARA SPP. | 2.1 | 0.8 | 4400 | 1800 | 0.5 | 0.1 |
| | | | | | POT. GRAMINEUS | 159.1 | 119.2 | | | | |
| | | | | | POT. RICHARDSONI | 49.5 | 39.6 | | | | |
| | | | | | POT. NARROW | 0.9 | 0.7 | | | | |
| 9 | 1 | 309598 | 498273 | 2.5 | CHARA SPP. | 131.4 | 43.5 | 4100 | 3900 | 0.4 | 0.2 |
| | | | | | POT. GRAMINEUS | 1.0 | 0.6 | | | | |
| | 2 | 309598 | 498273 | 2.5 | CHARA SPP. | 342.6 | 98.4 | 4100 | 3900 | 0.4 | 0.2 |
| | | | | | POT. GRAMINEUS | 2.4 | 1.4 | | | | |
| | 3 | 309598 | 498273 | 2.5 | CHARA SPP. | 219.5 | 69.7 | 4100 | 3900 | 0.4 | 0.2 |
| | | | | | POT. GRAMINEUS | TRACE | | | | | |
| 10 | 1 | 309619 | 498281 | 8.0 | CHARA SPP. | 338.3 | 117.1 | 4100 | 1400 | 1.1 | 1.0 |
| | | | | | NAJAS FLEXILIS | 9.6 | 7.2 | | | | |
| | | | | | POT. GRAMINEUS | 51.5 | 38.4 | | | | |
| | | | | | VALLISNERIA AMER | 11.8 | 8.0 | | | | |
| | 2 | 309619 | 498281 | 8.0 | CHARA SPP. | 171.6 | 56.9 | 4100 | 1400 | 1.1 | 1.0 |
| | | | | | NAJAS FLEXILIS | 4.9 | 3.6 | | | | |
| | | | | | POT. GRAMINEUS | 15.4 | 11.1 | | | | |
| | | | | | VALLISNERIA AMER | 2.5 | 1.4 | | | | |
| | 3 | 309619 | 498281 | 8.0 | CHARA SPP. | 159.0 | 58.3 | 4100 | 1400 | 1.1 | 1.0 |
| | | | | | NAJAS FLEXILIS | 7.8 | 5.4 | | | | |
| | | | | | POT. GRAMINEUS | 20.0 | 14.2 | | | | |
| 11 | 1 | 309612 | 498279 | 3.5 | CHARA SPP. | 194.3 | 61.7 | 4200 | 2500 | 0.6 | 0.3 |
| | | | | | NAJAS FLEXILIS | 0.1 | 0.1 | | | | |
| | | | | | POT. GRAMINEUS | 58.2 | 45.1 | | | | |
| | | | | | POT. RICHARDSONI | 20.8 | 16.4 | | | | |
| | | | | | POT. NARROW | 12.3 | 10.2 | | | | |
| | | | | | VALLISNERIA AMER | 14.5 | 10.4 | | | | |
| | 2 | 309612 | 498279 | 3.5 | CHARA SPP. | 163.1 | 54.5 | 4200 | 2500 | 0.6 | 0.3 |
| | | | | | POT. GRAMINEUS | 34.3 | 24.1 | | | | |
| | | | | | POT. RICHARDSONI | 7.3 | 4.8 | | | | |
| | | | | | POT. NARROW | 4.4 | 3.3 | | | | |
| | | | | | VALLISNERIA AMER | 18.5 | 13.3 | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 309612 | 498279 | 3.5 | CHARA SPP. | 34.1 | 11.1 | 4200 | 2500 | 0.6 | 0.3 |
| | | | | POT. GRAMINEUS | 48.9 | 31.8 | | | | |
| | | | | POT. RICHARDSONI | 26.7 | 21.4 | | | | |
| | | | | POT. NARROW | 11.0 | 8.6 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, SEPTEMBER, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | RUSSELL | 1 | 1 | 309949 | 498651 | 9.0 | POT. NODOSUS | 2.1 | 1.7 | 2000 | 100 | 1.5 | 0.3 |
| | | | | | | | POT. NARROW | 95.5 | 82.9 | | | | |
| | | | 2 | 309949 | 498651 | 9.0 | CHARA SPP. | 4.0 | 1.5 | 2000 | 100 | 1.5 | 0.3 |
| | | | | | | | POT. NATANS | TRACE | | | | | |
| | | | | | | | POT. GRAMINEUS | 38.5 | 30.1 | | | | |
| | | | | | | | POT. NARROW | 149.2 | 127.4 | | | | |
| | | | 3 | 309949 | 498651 | 9.0 | POT. GRAMINEUS | 13.8 | 11.5 | 2000 | 100 | 1.5 | 0.3 |
| | | | | | | | POT. NARROW | 137.2 | 119.2 | | | | |
| | | 2 | 1 | 309940 | 498650 | 9.0 | CHARA SPP. | 122.2 | 42.9 | 2700 | 950 | 1.9 | 0.4 |
| | | | | | | | POT. GRAMINEUS | 36.7 | 29.7 | | | | |
| | | | | | | | POT. NARROW | 4.7 | 3.8 | | | | |
| | | | 2 | 309940 | 498650 | 9.0 | CHARA SPP. | 129.3 | 48.1 | 2700 | 950 | 1.9 | 0.4 |
| | | | | | | | POT. GRAMINEUS | 54.7 | 42.1 | | | | |
| | | | | | | | POT. NARROW | 28.8 | 24.5 | | | | |
| | | | 3 | 309940 | 498650 | 9.0 | CHARA SPP. | 235.8 | 86.1 | 2700 | 950 | 1.9 | 0.4 |
| | | | | | | | POT. GRAMINEUS | 55.7 | 43.4 | | | | |
| | | | | | | | POT. NARROW | 1.2 | 0.9 | | | | |
| | | 3 | 1 | 309970 | 498660 | 8.0 | ELODEA CANADENS | 20.9 | 15.2 | 1500 | 330 | 0.2 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 42.2 | 35.2 | | | | |
| | | | | | | | POT. NARROW | 32.8 | 27.3 | | | | |
| | | | | | | | NITELLOP. OBTUSA | 57.3 | 29.4 | | | | |
| | | | 2 | 309970 | 498660 | 8.0 | ELODEA CANADENS | 5.6 | 4.0 | 1500 | 330 | 0.2 | 0.1 |
| | | | | | | | NITELLA HYALINA | 5.8 | 2.8 | | | | |
| | | | | | | | POT. RICHARDSONI | 37.3 | 30.7 | | | | |
| | | | | | | | POT. NARROW | 90.9 | 76.3 | | | | |
| | | | 3 | 309970 | 498660 | 8.0 | CHARA SPP. | 1.1 | 0.4 | 1500 | 330 | 0.2 | 0.1 |
| | | | | | | | ELODEA CANADENS | 0.1 | 0.0 | | | | |
| | | | | | | | POT. NODOSUS | 6.0 | 4.7 | | | | |
| | | | | | | | POT. NARROW | 121.9 | 102.1 | | | | |
| | | | | | | | NITELLOP. OBTUSA | 80.0 | 38.4 | | | | |
| | | | 4 | 309968 | 498659 | 11.0 | ELODEA CANADENS | 158.4 | 117.1 | 3100 | 1100 | 0.3 | 0.1 |
| | | | | | | | MYRIO. SPICATUM | 0.5 | 0.5 | | | | |
| | | | 5 | 309968 | 498659 | 11.0 | ELODEA CANADENS | 137.6 | 97.0 | 3100 | 1100 | 0.3 | 0.1 |
| | | | 6 | 309968 | 498659 | 11.0 | ELODEA CANADENS | 143.6 | 110.1 | 3100 | 1100 | 0.3 | 0.1 |
| | | | | | | | MYRIO. SPICATUM | 0.6 | 0.4 | | | | |
| | | | | | | | POT. GRAMINEUS | 0.7 | 0.6 | | | | |
| | | 4 | 1 | 309955 | 498659 | 7.0 | CHARA SPP. | 65.7 | 22.6 | 1500 | 5 | 0.5 | 0.1 |
| | | | | | | | POT. NATANS | 77.0 | 52.8 | | | | |
| | | | | | | | POT. GRAMINEUS | 108.2 | 78.7 | | | | |
| | | | | | | | VALLISNERIA AMER | 15.7 | 9.6 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 309955 | 498659 | 7.0 | CHARA SPP. | 3.7 | 1.3 | 1500 | 5 | 0.5 | 0.1 |
| | | | | | POT. NATANS | 68.2 | 57.1 | | | | |
| | | | | | POT. GRAMINEUS | 89.0 | 71.0 | | | | |
| | | | | | VALLISNERIA AMER | 8.7 | 6.1 | | | | |
| | 3 | 309955 | 498659 | 7.0 | CHARA SPP. | 22.2 | 7.9 | 1500 | 5 | 0.5 | 0.1 |
| | | | | | POT. NATANS | 71.5 | 57.8 | | | | |
| | | | | | POT. GRAMINEUS | 40.5 | 31.1 | | | | |
| | | | | | VALLISNERIA AMER | 6.8 | 4.7 | | | | |
| 5 | 1 | 309950 | 498657 | 7.0 | CHARA SPP. | 1.8 | 0.6 | 820 | 25 | 0.3 | 0.1 |
| | | | | | ELODEA CANADENS | 17.8 | 14.7 | | | | |
| | | | | | POT. GRAMINEUS | 156.0 | 120.5 | | | | |
| | | | | | POT. NARROW | 64.0 | 53.9 | | | | |
| | 2 | 309950 | 498657 | 7.0 | CHARA SPP. | 2.5 | 1.1 | 820 | 25 | 0.3 | 0.1 |
| | | | | | POT. GRAMINEUS | 69.4 | 56.5 | | | | |
| | | | | | POT. NARROW | 11.3 | 9.2 | | | | |
| | 3 | 309950 | 498657 | 7.0 | CHARA SPP. | 6.9 | 2.5 | 820 | 25 | 0.3 | 0.1 |
| | | | | | ELODEA CANADENS | 0.9 | 0.7 | | | | |
| | | | | | POT. GRAMINEUS | 119.1 | 90.4 | | | | |
| | | | | | POT. NARROW | 31.0 | 25.9 | | | | |
| 6 | 1 | 309944 | 498658 | 7.0 | CHARA SPP. | 53.8 | 15.7 | 2500 | 1500 | 1.1 | 0.6 |
| | | | | | POT. GRAMINEUS | 119.9 | 84.8 | | | | |
| | | | | | POT. NARROW | 47.5 | 39.3 | | | | |
| | 2 | 309944 | 498658 | 7.0 | CHARA SPP. | TRACE | | 2500 | 1500 | 1.1 | 0.6 |
| | | | | | POT. GRAMINEUS | 222.7 | 182.1 | | | | |
| | | | | | POT. NARROW | 39.4 | 32.4 | | | | |
| | 3 | 309944 | 498658 | 7.0 | CHARA SPP. | 6.5 | 2.0 | 2500 | 1500 | 1.1 | 0.6 |
| | | | | | POT. GRAMINEUS | 116.5 | 94.3 | | | | |
| 7 | 1 | 309968 | 498664 | 4.0 | POT. GRAMINEUS | 71.5 | 50.8 | 2000 | 1500 | 0.5 | 0.1 |
| | | | | | POT. RICHARDSONI | 55.1 | 40.1 | | | | |
| | | | | | POT. NARROW | 54.9 | 46.0 | | | | |
| | 2 | 309968 | 498664 | 4.0 | ELODEA CANADENS | 2.0 | 1.5 | 2000 | 1500 | 0.5 | 0.1 |
| | | | | | POT. RICHARDSONI | 117.7 | 88.0 | | | | |
| | | | | | POT. NARROW | 100.7 | 84.5 | | | | |
| | 3 | 309968 | 498664 | 4.0 | POT. NODOSUS | 6.9 | 5.5 | 2000 | 1500 | 0.5 | 0.1 |
| | | | | | POT. RICHARDSONI | 139.3 | 105.2 | | | | |
| | | | | | POT. NARROW | 153.6 | 127.7 | | | | |
| 8 | 1 | 309963 | 498663 | 4.0 | CHARA SPP. | 11.1 | 4.0 | 1000 | 250 | 1.1 | 0.6 |
| | | | | | POT. GRAMINEUS | 63.3 | 48.3 | | | | |
| | | | | | POT. NARROW | 107.0 | 93.4 | | | | |
| | 2 | 309963 | 498663 | 4.0 | CHARA SPP. | 4.3 | 1.4 | 1000 | 250 | 1.1 | 0.6 |
| | | | | | POT. GRAMINEUS | 31.1 | 25.0 | | | | |
| | | | | | POT. NARROW | 167.8 | 144.4 | | | | |
| | 3 | 309963 | 498663 | 4.0 | CHARA SPP. | 7.0 | 2.5 | 1000 | 250 | 1.1 | 0.6 |
| | | | | | POT. GRAMINEUS | 26.9 | 21.7 | | | | |
| | | | | | POT. NARROW | 119.5 | 103.2 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 309961 | 498661 | 4.0 | CHARA SPP. | 95.3 | 32.7 | 2900 | 1900 | 0.8 | 0.7 |
| | 5 | 309961 | 498661 | 4.0 | CHARA SPP. | 396.7 | 128.0 | 2900 | 1900 | 0.8 | 0.7 |
| | | | | | POT. GRAMINEUS | 3.2 | 2.3 | | | | |
| | 6 | 309961 | 498661 | 4.0 | CHARA SPP. | 257.7 | 91.3 | 2900 | 1900 | 0.8 | 0.7 |
| | | | | | POT. GRAMINEUS | 5.9 | 4.7 | | | | |
| 9 | 1 | 309954 | 498664 | 4.0 | CHARA SPP. | 189.1 | 65.8 | 3000 | 2000 | 0.6 | 0.2 |
| | | | | | NAJAS FLEXILIS | 1.5 | 1.0 | | | | |
| | | | | | POT. GRAMINEUS | 76.4 | 56.9 | | | | |
| | | | | | POT. NARROW | 18.4 | 15.4 | | | | |
| | 2 | 309954 | 498664 | 4.0 | CHARA SPP. | 144.8 | 50.3 | 3000 | 2000 | 0.6 | 0.2 |
| | | | | | NAJAS FLEXILIS | 0.5 | 0.4 | | | | |
| | | | | | POT. GRAMINEUS | 32.5 | 26.3 | | | | |
| | | | | | POT. NARROW | 84.2 | 70.2 | | | | |
| | 3 | 309954 | 498664 | 4.0 | CHARA SPP. | 30.6 | 10.5 | 3000 | 2000 | 0.6 | 0.2 |
| | | | | | POT. GRAMINEUS | 75.3 | 57.5 | | | | |
| | | | | | POT. NARROW | 211.0 | 181.7 | | | | |
| | | | | | VALLISNERIA AMER | 0.3 | 0.1 | | | | |
| | 4 | 309950 | 498662 | 4.0 | CHARA SPP. | 136.8 | 43.8 | 3100 | 2000 | 0.6 | 0.2 |
| | 5 | 309950 | 498662 | 4.0 | CHARA SPP. | 205.5 | 69.6 | 3100 | 2000 | 0.6 | 0.2 |
| | | | | | POT. GRAMINEUS | 2.3 | 1.7 | | | | |
| | 6 | 309950 | 498662 | 4.0 | CHARA SPP. | 213.2 | 71.9 | 3100 | 2000 | 0.6 | 0.2 |
| | | | | | POT. GRAMINEUS | 1.2 | 0.8 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, SEPTEMBER, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | BELLE | 1 | 1 | 312756 | 499946 | 8.0 | CHARA SPP. | TRACE | | 2900 | 41 | 0.6 | 0.0 |
| | | | | | | | POT. RICHARDSONI | 135.4 | 109.9 | | | | |
| | | | | | | | VALLISNERIA AMER | 51.0 | 35.9 | | | | |
| | | | 2 | 312756 | 499946 | 8.0 | POT. RICHARDSONI | 48.8 | 38.0 | 2900 | 41 | 0.6 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 60.5 | 41.7 | | | | |
| | | | 3 | 312756 | 499946 | 8.0 | POT. RICHARDSONI | 152.3 | 112.5 | 2900 | 41 | 0.6 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 13.7 | 9.3 | | | | |
| | | 2 | 1 | 312765 | 499956 | 9.0 | VALLISNERIA AMER | 85.1 | 52.8 | 3100 | 150 | 1.1 | 0.7 |
| | | | 2 | 312765 | 499956 | 9.0 | VALLISNERIA AMER | 67.4 | 41.0 | 3100 | 150 | 1.1 | 0.7 |
| | | | 3 | 312765 | 499956 | 9.0 | POT. NARROW | 3.4 | 2.0 | 3100 | 150 | 1.1 | 0.7 |
| | | | | | | | VALLISNERIA AMER | 91.9 | 53.8 | | | | |
| | | 3 | 1 | 312777 | 499962 | 8.5 | POT. CRISPUS | 5.0 | 4.5 | 3500 | 31 | 0.3 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 310.0 | 181.4 | | | | |
| | | | | | | | VALLISNERIA AMER | 16.6 | 9.4 | | | | |
| | | | 2 | 312777 | 499962 | 8.5 | POT. RICHARDSONI | 51.4 | 35.6 | 3500 | 31 | 0.3 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 97.7 | 54.7 | | | | |
| | | | 3 | 312777 | 499962 | 8.5 | POT. RICHARDSONI | 220.0 | 134.0 | 3500 | 31 | 0.3 | 0.1 |
| | | | | | | | POT. NARROW | 12.9 | 10.3 | | | | |
| | | | | | | | VALLISNERIA AMER | 28.0 | 17.9 | | | | |
| | | 4 | 1 | 312785 | 499969 | 10.5 | CHARA SPP. | 1.6 | 0.6 | 4500 | 340 | 1.1 | 0.7 |
| | | | | | | | VALLISNERIA AMER | 25.6 | 16.6 | | | | |
| | | | 2 | 312785 | 499969 | 10.5 | VALLISNERIA AMER | 81.2 | 51.0 | 4500 | 340 | 1.1 | 0.7 |
| | | | 3 | 312785 | 499969 | 10.5 | VALLISNERIA AMER | 114.0 | 75.5 | 4500 | 340 | 1.1 | 0.7 |
| | | 5 | 1 | 312802 | 499978 | 8.0 | NAJAS FLEXILIS | 14.4 | 8.7 | 4200 | 18 | 0.2 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 60.4 | 45.7 | | | | |
| | | | | | | | VALLISNERIA AMER | 111.8 | 66.0 | | | | |
| | | | 2 | 312802 | 499978 | 8.0 | POT. RICHARDSONI | 244.6 | 165.6 | 4200 | 18 | 0.2 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 45.8 | 29.6 | | | | |
| | | | 3 | 312802 | 499978 | 8.0 | POT. RICHARDSONI | 165.5 | 101.5 | 4200 | 18 | 0.2 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 77.1 | 45.7 | | | | |
| | | 6 | 1 | 312808 | 499983 | 11.0 | CHARA SPP. | TRACE | | 1000 | 130 | 1.4 | 0.9 |
| | | | | | | | VALLISNERIA AMER | 103.3 | 68.0 | | | | |
| | | | 2 | 312808 | 499983 | 11.0 | VALLISNERIA AMER | 152.9 | 88.0 | 1000 | 130 | 1.4 | 0.9 |
| | | | 3 | 312808 | 499983 | 11.0 | VALLISNERIA AMER | 120.3 | 82.4 | 1000 | 130 | 1.4 | 0.9 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 312818 | 499987 | 8.0 | CHARA SPP. | TRACE | | 2000 | 45 | 0.4 | 0.1 |
| | | | | | POT. RICHARDSONI | 53.6 | 32.9 | | | | |
| | | | | | VALLISNERIA AMER | 53.7 | 25.4 | | | | |
| | 5 | 312818 | 499987 | 8.0 | NITELLA HYALINA | 36.7 | 12.8 | 2000 | 45 | 0.4 | 0.1 |
| | | | | | POT. GRAMINEUS | 37.1 | 22.5 | | | | |
| | | | | | POT. RICHARDSONI | 54.4 | 38.6 | | | | |
| | | | | | VALLISNERIA AMER | 78.8 | 46.4 | | | | |
| | 6 | 312818 | 499987 | 8.0 | CHARA SPP. | 3.8 | 1.4 | 2000 | 45 | 0.4 | 0.1 |
| | | | | | ELODEA CANADENS | 0.2 | 0.1 | | | | |
| | | | | | POT. RICHARDSONI | 126.6 | 80.4 | | | | |
| | | | | | VALLISNERIA AMER | 33.4 | 20.4 | | | | |
| 7 | 1 | 312851 | 499991 | 4.0 | MYRIO. SPICATUM | 2.2 | 1.8 | 3500 | 600 | 0.1 | 0.0 |
| | | | | | NAJAS FLEXILIS | 0.7 | 0.4 | | | | |
| | | | | | NITELLA HYALINA | 122.9 | 45.9 | | | | |
| | | | | | POT. RICHARDSONI | 20.3 | 16.4 | | | | |
| | | | | | VALLISNERIA AMER | 47.9 | 26.1 | | | | |
| | | | | | NITELLOP. OBTUSA | 9.1 | 3.2 | | | | |
| | 2 | 312851 | 499991 | 4.0 | MYRIO. SPICATUM | 1.3 | 1.0 | 3500 | 600 | 0.1 | 0.0 |
| | | | | | POT. RICHARDSONI | 87.8 | 65.7 | | | | |
| | | | | | VALLISNERIA AMER | 20.9 | 12.4 | | | | |
| | | | | | NITELLOP. OBTUSA | 9.8 | 3.0 | | | | |
| | 3 | 312851 | 499991 | 4.0 | NITELLA HYALINA | 128.3 | 46.0 | 3500 | 600 | 0.1 | 0.0 |
| | | | | | POT. RICHARDSONI | 18.7 | 11.4 | | | | |
| | | | | | VALLISNERIA AMER | 31.3 | 18.4 | | | | |
| | 4 | 312852 | 499994 | 7.0 | MYRIO. SPICATUM | 10.3 | 7.3 | 4600 | 490 | 0.0 | 0.0 |
| | | | | | NAJAS FLEXILIS | 0.2 | 0.1 | | | | |
| | | | | | VALLISNERIA AMER | 18.3 | 10.1 | | | | |
| | | | | | NITELLOP. OBTUSA | 193.9 | 65.8 | | | | |
| | 5 | 312852 | 499994 | 7.0 | CHARA SPP. | TRACE | | 4600 | 490 | 0.0 | 0.0 |
| | | | | | MYRIO. SPICATUM | 41.5 | 23.5 | | | | |
| | | | | | NITELLA HYALINA | 204.4 | 59.8 | | | | |
| | | | | | VALLISNERIA AMER | 45.8 | 26.7 | | | | |
| | 6 | 312852 | 499994 | 7.0 | MYRIO. SPICATUM | 2.0 | 1.4 | 4600 | 490 | 0.0 | 0.0 |
| | | | | | NAJAS FLEXILIS | 1.7 | 0.8 | | | | |
| | | | | | VALLISNERIA AMER | 9.8 | 5.1 | | | | |
| | | | | | NITELLOP. OBTUSA | 288.5 | 90.3 | | | | |
| 8 | 1 | 312837 | 499991 | 6.0 | MYRIO. SPICATUM | 229.4 | 176.6 | 3600 | 400 | 0.1 | 0.1 |
| | | | | | VALLISNERIA AMER | 35.6 | 24.7 | | | | |
| | 2 | 312837 | 499991 | 6.0 | MYRIO. SPICATUM | 182.1 | 130.3 | 3600 | 400 | 0.1 | 0.1 |
| | | | | | VALLISNERIA AMER | 68.8 | 47.2 | | | | |
| | | | | | NITELLOP. OBTUSA | 43.3 | 16.0 | | | | |
| | 3 | 312837 | 499991 | 6.0 | MYRIO. SPICATUM | 124.9 | 79.5 | 3600 | 400 | 0.1 | 0.1 |
| | | | | | VALLISNERIA AMER | 3.2 | 2.1 | | | | |
| | | | | | NITELLOP. OBTUSA | 54.9 | 23.3 | | | | |
| | 4 | 312841 | 499991 | 5.5 | MYRIO. SPICATUM | 0.6 | 0.5 | 1100 | 330 | 0.2 | 0.1 |
| | | | | | NAJAS FLEXILIS | TRACE | | | | | |
| | | | | | VALLISNERIA AMER | 0.4 | 0.2 | | | | |
| | | | | | NITELLOP. OBTUSA | 219.9 | 75.1 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 312841 | 499991 | 5.5 | MYRIO. SPICATUM | 11.6 | 8.2 | 1100 | 330 | 0.2 | 0.1 |
| | | | | | NITELLOP. OBTUSA | 262.0 | 92.9 | | | | |
| | 6 | 312841 | 499991 | 5.5 | MYRIO. SPICATUM | 1.1 | 0.8 | 1100 | 330 | 0.2 | 0.1 |
| | | | | | NITELLA HYALINA | 448.2 | 141.8 | | | | |
| | | | | | VALLISNERIA AMER | 7.5 | 3.6 | | | | |
| 9 | 1 | 312831 | 499989 | 3.0 | CHARA SPP. | 8.0 | 3.0 | 3900 | 2300 | 0.4 | 0.2 |
| | | | | | NAJAS FLEXILIS | 1.6 | 1.0 | | | | |
| | | | | | VALLISNERIA AMER | 161.5 | 79.2 | | | | |
| | 2 | 312831 | 499989 | 3.0 | VALLISNERIA AMER | 51.1 | 33.2 | 3900 | 2300 | 0.4 | 0.2 |
| | | | | | NITELLOP. OBTUSA | 51.8 | 18.8 | | | | |
| | 3 | 312831 | 499989 | 3.0 | CHARA SPP. | 48.2 | 19.4 | 3900 | 2300 | 0.4 | 0.2 |
| | | | | | VALLISNERIA AMER | 205.2 | 107.4 | | | | |
| | 4 | 312833 | 499991 | 7.0 | MYRIO. SPICATUM | 129.1 | 101.9 | 4200 | 490 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | 14.7 | 10.0 | | | | |
| | 5 | 312833 | 499991 | 7.0 | MYRIO. SPICATUM | 153.7 | 115.5 | 4200 | 490 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | 6.6 | 5.0 | | | | |
| | 6 | 312833 | 499991 | 7.0 | MYRIO. SPICATUM | 123.5 | 95.9 | 4200 | 490 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | 1.4 | 1.0 | | | | |
| | | | | | NITELLOP. OBTUSA | 34.8 | 14.7 | | | | |
| 10 | 1 | 312821 | 499987 | 4.0 | NAJAS FLEXILIS | 1.0 | 0.7 | 4500 | 2100 | 0.7 | 0.3 |
| | | | | | NITELLA HYALINA | 61.1 | 24.9 | | | | |
| | | | | | POT. GRAMINEUS | 7.1 | 4.3 | | | | |
| | | | | | POT. RICHARDSONI | 14.4 | 9.3 | | | | |
| | | | | | VALLISNERIA AMER | 6.2 | 4.0 | | | | |
| | | | | | NITELLOP. OBTUSA | 17.4 | 7.1 | | | | |
| | 2 | 312821 | 499987 | 4.0 | CHARA SPP. | 13.1 | 4.8 | 4500 | 2100 | 0.7 | 0.3 |
| | | | | | NAJAS FLEXILIS | TRACE | | | | | |
| | | | | | POT. GRAMINEUS | 2.6 | 1.7 | | | | |
| | | | | | POT. RICHARDSONI | 0.7 | 0.3 | | | | |
| | | | | | NITELLOP. OBTUSA | 82.1 | 24.3 | | | | |
| | 3 | 312821 | 499987 | 4.0 | POT. GRAMINEUS | 63.3 | 42.8 | 4500 | 2100 | 0.7 | 0.3 |
| | | | | | POT. RICHARDSONI | 5.6 | 3.2 | | | | |
| | | | | | VALLISNERIA AMER | 12.3 | 8.6 | | | | |
| | | | | | NITELLOP. OBTUSA | 82.9 | 37.2 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, SEPTEMBER, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | HENNEPIN | 1 | 1 | 314064 | 500669 | 5.0 | VALLISNERIA AMER | 30.0 | 18.8 | 2100 | 250 | 0.2 | 0.1 |
| | | | 2 | 314064 | 500669 | 5.0 | VALLISNERIA AMER | 70.6 | 45.8 | 2100 | 250 | 0.2 | 0.1 |
| | | | 3 | 314064 | 500669 | 5.0 | VALLISNERIA AMER | 25.6 | 15.6 | 2100 | 250 | 0.2 | 0.1 |
| | | 2 | 1 | 314067 | 500675 | 6.0 | POT. NARROW | 2.3 | 1.5 | 2300 | 410 | 0.2 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 37.3 | 21.3 | | | | |
| | | | 2 | 314067 | 500675 | 6.0 | VALLISNERIA AMER | 98.1 | 60.9 | 2300 | 410 | 0.2 | 0.1 |
| | | | 3 | 314067 | 500675 | 6.0 | VALLISNERIA AMER | 103.3 | 48.1 | 2300 | 410 | 0.2 | 0.1 |
| | | 3 | 1 | 314074 | 500682 | 5.0 | VALLISNERIA AMER | 149.1 | 123.3 | 2500 | 700 | 0.1 | 0.1 |
| | | | 2 | 314074 | 500682 | 5.0 | VALLISNERIA AMER | 76.5 | 47.8 | 2500 | 700 | 0.1 | 0.1 |
| | | | 3 | 314074 | 500682 | 5.0 | VALLISNERIA AMER | 101.9 | 13.3 | 2500 | 700 | 0.1 | 0.1 |
| | | 4 | 1 | 314088 | 500692 | 6.0 | VALLISNERIA AMER | 66.1 | 32.6 | 2700 | 500 | 0.1 | 0.1 |
| | | | 2 | 314088 | 500692 | 6.0 | VALLISNERIA AMER | 134.5 | 73.3 | 2700 | 500 | 0.1 | 0.1 |
| | | | 3 | 314088 | 500692 | 6.0 | CHARA SPP. | 1.4 | 0.5 | 2700 | 500 | 0.1 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 74.1 | 38.8 | | | | |
| | | 5 | 1 | 314070 | 500686 | 6.0 | VALLISNERIA AMER | 42.0 | 17.9 | 2700 | 45 | 0.5 | 0.1 |
| | | | 2 | 314070 | 500686 | 6.0 | VALLISNERIA AMER | 187.4 | 91.3 | 2700 | 45 | 0.5 | 0.1 |
| | | | 3 | 314070 | 500686 | 6.0 | VALLISNERIA AMER | 151.4 | 71.6 | 2700 | 45 | 0.5 | 0.1 |
| | | 6 | 1 | 314078 | 500695 | 5.0 | VALLISNERIA AMER | 116.8 | 65.4 | 3100 | 170 | 0.2 | 0.1 |
| | | | 2 | 314078 | 500695 | 5.0 | VALLISNERIA AMER | 207.3 | 89.5 | 3100 | 170 | 0.2 | 0.1 |
| | | | 3 | 314078 | 500695 | 5.0 | VALLISNERIA AMER | 141.5 | 28.7 | 3100 | 170 | 0.2 | 0.1 |
| | | 7 | 1 | 314095 | 500702 | 6.0 | VALLISNERIA AMER | 37.6 | 21.3 | 3400 | 240 | 0.2 | 0.1 |
| | | | 2 | 314095 | 500702 | 6.0 | VALLISNERIA AMER | 86.1 | 44.8 | 3400 | 240 | 0.2 | 0.1 |
| | | | 3 | 314095 | 500702 | 6.0 | VALLISNERIA AMER | 42.1 | 21.4 | 3400 | 240 | 0.2 | 0.1 |
| | | 8 | 1 | 314084 | 500702 | 5.0 | VALLISNERIA AMER | 93.5 | 33.4 | 1100 | 100 | 0.1 | 0.1 |
| | | | 2 | 314084 | 500702 | 5.0 | VALLISNERIA AMER | 68.3 | 37.7 | 1100 | 100 | 0.1 | 0.1 |
| | | | 3 | 314084 | 500702 | 5.0 | VALLISNERIA AMER | 167.6 | 83.1 | 1100 | 100 | 0.1 | 0.1 |
| | | | 4 | 314079 | 500707 | 6.0 | MYRIO. SPICATUM | 106.8 | 80.5 | 1200 | 560 | 0.2 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 5.5 | 3.6 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 314079 | 500707 | 6.0 | MYRIO. SPICATUM | 179.8 | 117.3 | 1200 | 560 | 0.2 | 0.2 |
| | | | | | VALLISNERIA AMER | 10.4 | 6.5 | | | | |
| | 6 | 314079 | 500707 | 6.0 | MYRIO. SPICATUM | 207.9 | 97.6 | 1200 | 560 | 0.2 | 0.2 |
| | | | | | VALLISNERIA AMER | 4.3 | 2.6 | | | | |
| | 7 | 314076 | 500702 | 5.0 | POT. RICHARDSONI | 272.1 | 200.6 | 3800 | 650 | 0.2 | 0.1 |
| | | | | | POT. NARROW | 0.9 | 0.6 | | | | |
| | | | | | VALLISNERIA AMER | 1.2 | 0.8 | | | | |
| | 8 | 314076 | 500702 | 5.0 | POT. RICHARDSONI | 143.8 | 102.5 | 3800 | 650 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | 76.8 | 43.7 | | | | |
| | 9 | 314076 | 500702 | 5.0 | MYRIO. SPICATUM | 3.9 | 3.4 | 3800 | 650 | 0.2 | 0.1 |
| | | | | | POT. RICHARDSONI | 226.9 | 164.4 | | | | |
| | 10 | 314078 | 500705 | 3.0 | POT. NARROW | 140.9 | 100.3 | 1800 | 1600 | 0.1 | 0.0 |
| | 11 | 314078 | 500705 | 3.0 | POT. NARROW | 363.7 | 226.0 | 1800 | 1600 | 0.1 | 0.0 |
| | 12 | 314078 | 500705 | 3.0 | POT. NARROW | 109.3 | 80.8 | 1800 | 1600 | 0.1 | 0.0 |
| 9 | 1 | 314094 | 500711 | 4.0 | CHARA SPP. | 0.6 | 0.2 | 3600 | 2200 | 0.2 | 0.2 |
| | | | | | VALLISNERIA AMER | 40.6 | 18.1 | | | | |
| | 2 | 314094 | 500711 | 4.0 | CHARA SPP. | 0.9 | 0.3 | 3600 | 2200 | 0.2 | 0.2 |
| | | | | | VALLISNERIA AMER | 83.0 | 12.6 | | | | |
| | 3 | 314094 | 500711 | 4.0 | VALLISNERIA AMER | 60.0 | 37.4 | 3600 | 2200 | 0.2 | 0.2 |
| 10 | 1 | 314101 | 500717 | 7.5 | HETERANTHERA DUB | 15.3 | 6.6 | 3600 | 1000 | 0.1 | 0.1 |
| | 2 | 314101 | 500717 | 7.5 | HETERANTHERA DUB | 3.2 | 1.7 | 3600 | 1000 | 0.1 | 0.1 |
| | 3 | 314101 | 500717 | 7.5 | CHARA SPP. | 1.4 | 0.4 | 3600 | 1000 | 0.1 | 0.1 |
| | | | | | VALLISNERIA AMER | 18.1 | 9.5 | | | | |
| 11 | 1 | 314088 | 500717 | 8.0 | HETERANTHERA DUB | 2.2 | 7.9 | 3700 | 130 | 0.1 | 0.1 |
| | | | | | VALLISNERIA AMER | 114.6 | 15.3 | | | | |
| | 2 | 314088 | 500717 | 8.0 | CHARA SPP. | 2.0 | 0.8 | 3700 | 130 | 0.1 | 0.1 |
| | | | | | VALLISNERIA AMER | 102.4 | 14.7 | | | | |
| | 3 | 314088 | 500717 | 8.0 | VALLISNERIA AMER | 40.2 | 19.4 | 3700 | 130 | 0.1 | 0.1 |
| | 4 | 314086 | 500716 | 7.0 | POT. NARROW | 124.9 | 34.6 | 4000 | 25 | 0.3 | 0.1 |
| | | | | | VALLISNERIA AMER | 39.9 | 10.6 | | | | |
| | 5 | 314086 | 500716 | 7.0 | POT. NARROW | 128.9 | 35.4 | 4000 | 25 | 0.3 | 0.1 |
| | | | | | VALLISNERIA AMER | 50.2 | 26.2 | | | | |
| | 6 | 314086 | 500716 | 7.0 | POT. NARROW | 91.2 | 22.6 | 4000 | 25 | 0.3 | 0.1 |
| | | | | | VALLISNERIA AMER | 57.0 | 30.6 | | | | |
| 12 | 1 | 314099 | 500726 | 6.0 | NAJAS FLEXILIS | TRACE | | 1500 | 200 | 0.5 | 0.2 |
| | | | | | POT. RICHARDSONI | 1.4 | 1.0 | | | | |
| | | | | | VALLISNERIA AMER | 123.4 | 63.2 | | | | |
| | 2 | 314099 | 500726 | 6.0 | VALLISNERIA AMER | 93.5 | 173.9 | 1500 | 200 | 0.5 | 0.2 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 314099 | 500726 | 6.0 | CHARA SPP. | TRACE | | 1500 | 200 | 0.5 | 0.2 |
| | | | | | HETERANTHERA DUB | 0.3 | 0.2 | | | | |
| | | | | | VALLISNERIA AMER | 44.5 | 24.1 | | | | |
| 13 | 1 | 314100 | 500733 | 8.0 | POT. RICHARDSONI | 88.8 | 17.4 | 2400 | 210 | 0.6 | 0.0 |
| | | | | | POT. NARROW | 1.3 | 0.9 | | | | |
| | 2 | 314100 | 500733 | 8.0 | POT. RICHARDSONI | 43.5 | 19.6 | 2400 | 210 | 0.6 | 0.0 |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| | 3 | 314100 | 500733 | 8.0 | POT. RICHARDSONI | 24.2 | 18.7 | 2400 | 210 | 0.6 | 0.0 |
| | 4 | 314103 | 500732 | 9.0 | VALLISNERIA AMER | 127.1 | 55.0 | 3500 | 15 | 0.1 | 0.2 |
| | 5 | 314103 | 500732 | 9.0 | VALLISNERIA AMER | 55.2 | 9.1 | 3500 | 15 | 0.1 | 0.2 |
| | 6 | 314103 | 500732 | 9.0 | ELODEA CANADENS | 1.8 | 1.2 | 3500 | 15 | 0.1 | 0.2 |
| | | | | | NAJAS FLEXILIS | 0.3 | 0.2 | | | | |
| | | | | | VALLISNERIA AMER | 40.1 | 23.3 | | | | |
| 14 | 1 | 314108 | 500736 | 8.0 | VALLISNERIA AMER | 60.4 | 27.9 | 2000 | 120 | 0.3 | 0.1 |
| | 2 | 314108 | 500736 | 8.0 | VALLISNERIA AMER | 109.6 | 47.8 | 2000 | 120 | 0.3 | 0.1 |
| | 3 | 314108 | 500736 | 8.0 | VALLISNERIA AMER | 56.6 | 13.0 | 2000 | 120 | 0.3 | 0.1 |

SUBMERSED MACROPHYTE PONAR DATA, SEPTEMBER, 1983

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | STONY | 1 | 1 | 314223 | 500981 | 7.0 | VALLISNERIA AMER | 150.5 | 90.1 | 2300 | 51 | 0.7 | 0.0 |
| | | | 2 | 314223 | 500981 | 7.0 | VALLISNERIA AMER | 131.3 | 84.4 | 2300 | 51 | 0.7 | 0.0 |
| | | | 3 | 314223 | 500981 | 7.0 | VALLISNERIA AMER | 160.6 | 120.0 | 2300 | 51 | 0.7 | 0.0 |
| | | 2 | 1 | 314217 | 500976 | 6.0 | POT. NARROW | 0.6 | 0.5 | 2100 | 180 | 0.5 | 0.3 |
| | | | | | | | VALLISNERIA AMER | 125.5 | 62.0 | | | | |
| | | | 2 | 314217 | 500976 | 6.0 | VALLISNERIA AMER | 156.4 | 92.8 | 2100 | 180 | 0.5 | 0.3 |
| | | | 3 | 314217 | 500976 | 6.0 | VALLISNERIA AMER | 205.0 | 105.4 | 2100 | 180 | 0.5 | 0.3 |
| | | 3 | 1 | 314205 | 500976 | 6.0 | MYRIO. SPICATUM | 27.4 | 16.1 | 1500 | 6 | 0.5 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 142.7 | 94.3 | | | | |
| | | | 2 | 314205 | 500976 | 6.0 | MYRIO. SPICATUM | 130.4 | 91.7 | 1500 | 6 | 0.5 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 150.2 | 94.7 | | | | |
| | | | 3 | 314205 | 500976 | 6.0 | MYRIO. SPICATUM | 287.3 | 206.5 | 1500 | 6 | 0.5 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 104.5 | 51.7 | | | | |
| | | 4 | 1 | 314199 | 500975 | 6.0 | MYRIO. SPICATUM | 125.8 | 92.8 | 1800 | 230 | 0.5 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 34.5 | 18.7 | | | | |
| | | | 2 | 314199 | 500975 | 6.0 | MYRIO. SPICATUM | 57.9 | 40.1 | 1800 | 230 | 0.5 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 140.2 | 133.4 | | | | |
| | | | 3 | 314199 | 500975 | 6.0 | MYRIO. SPICATUM | 169.1 | 108.6 | 1800 | 230 | 0.5 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 58.8 | 32.6 | | | | |
| | | 5 | 1 | 314217 | 500983 | 6.0 | VALLISNERIA AMER | 34.8 | 18.5 | 2900 | 150 | 0.8 | 0.1 |
| | | | 2 | 314217 | 500983 | 6.0 | VALLISNERIA AMER | 96.1 | 58.1 | 2900 | 150 | 0.8 | 0.1 |
| | | | 3 | 314217 | 500983 | 6.0 | VALLISNERIA AMER | 107.8 | 59.2 | 2900 | 150 | 0.8 | 0.1 |
| | | 6 | 1 | 314220 | 500983 | 2.0 | ELODEA CANADENS | 0.4 | 0.3 | 1100 | 210 | 0.1 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 198.8 | 115.7 | | | | |
| | | | 2 | 314220 | 500983 | 2.0 | MYRIO. SPICATUM | 1.2 | 0.8 | 1100 | 210 | 0.1 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 192.0 | 113.2 | | | | |
| | | | 3 | 314220 | 500983 | 2.0 | VALLISNERIA AMER | 157.4 | 98.8 | 1100 | 210 | 0.1 | 0.0 |
| | | 7 | 1 | 314235 | 500990 | 2.5 | MYRIO. SPICATUM | 53.6 | 40.0 | 1000 | 270 | 0.3 | 0.2 |
| | | | | | | | VALLISNERIA AMER | TRACE | | | | | |
| | | | 2 | 314235 | 500990 | 2.5 | HETERANTHERA DUB | 2.8 | 2.0 | 1000 | 270 | 0.3 | 0.2 |
| | | | | | | | MYRIO. SPICATUM | 301.3 | 240.1 | | | | |
| | | | 3 | 314235 | 500990 | 2.5 | HETERANTHERA DUB | 6.8 | 4.7 | 1000 | 270 | 0.3 | 0.2 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MYRIO. SPICATUM | 169.2 | 116.6 | | | | |
| 8 | 1 | 314227 | 500990 | 4.0 | ELODEA CANADENS | 0.4 | 0.2 | 2500 | 210 | 0.1 | 0.1 |
| | | | | | HETERANTHERA DUB | 324.2 | 218.6 | | | | |
| | | | | | MYRIO. SPICATUM | 14.3 | 10.0 | | | | |
| | | | | | POT. CRISPUS | 5.5 | 4.8 | | | | |
| | 2 | 314227 | 500990 | 4.0 | HETERANTHERA DUB | 178.1 | 134.4 | 2500 | 210 | 0.1 | 0.1 |
| | 3 | 314227 | 500990 | 4.0 | ELODEA CANADENS | 1.4 | 1.0 | 2500 | 210 | 0.1 | 0.1 |
| | | | | | HETERANTHERA DUB | 260.6 | 188.4 | | | | |
| 9 | 1 | 314244 | 500996 | 4.0 | MYRIO. SPICATUM | 133.8 | 102.5 | 1600 | 1300 | 0.5 | 0.4 |
| | 2 | 314244 | 500996 | 4.0 | MYRIO. SPICATUM | 377.2 | 290.7 | 1600 | 1300 | 0.5 | 0.4 |
| | | | | | VALLISNERIA AMER | 2.3 | 1.5 | | | | |
| | 3 | 314244 | 500996 | 4.0 | HETERANTHERA DUB | 4.1 | 3.0 | 1600 | 1300 | 0.5 | 0.4 |
| | | | | | MYRIO. SPICATUM | 324.8 | 239.1 | | | | |
| 10 | 1 | 314246 | 501000 | 2.0 | MYRIO. SPICATUM | 0.2 | 0.1 | 3500 | 800 | 0.3 | 0.2 |
| | | | | | VALLISNERIA AMER | 194.2 | 96.8 | | | | |
| | 2 | 314246 | 501000 | 2.0 | VALLISNERIA AMER | 309.2 | 154.1 | 3500 | 800 | 0.3 | 0.2 |
| | 3 | 314246 | 501000 | 2.0 | VALLISNERIA AMER | 139.1 | 83.9 | 3500 | 800 | 0.3 | 0.2 |
| 11 | 1 | 314252 | 501004 | 3.0 | VALLISNERIA AMER | 117.3 | 64.8 | 1800 | - | 0.6 | - |
| | 2 | 314252 | 501004 | 3.0 | VALLISNERIA AMER | 158.1 | 91.8 | 1800 | - | 0.6 | - |
| | 3 | 314252 | 501004 | 3.0 | VALLISNERIA AMER | 115.5 | 72.4 | 1800 | - | 0.6 | - |

SUBMERSED MACROPHYTE PONAR DATA, JUNE, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | STAG | 1 | 1 | 309028 | 497379 | 12.0 | NO PLANTS PRESENT | | | 510 | 330 | 3.0 | 2.8 |
| | | | 2 | 309028 | 497379 | 12.0 | NO PLANTS PRESENT | | | 510 | 330 | 3.0 | 2.8 |
| | | | 3 | 309028 | 497379 | 12.0 | NO PLANTS PRESENT | | | 510 | 330 | 3.0 | 2.8 |
| | | 2 | 1 | 309039 | 497385 | 12.0 | NO PLANTS PRESENT | | | 1100 | 550 | 3.0 | 2.9 |
| | | | 2 | 309039 | 497385 | 12.0 | NO PLANTS PRESENT | | | 1100 | 550 | 3.0 | 2.9 |
| | | | 3 | 309039 | 497385 | 12.0 | NO PLANTS PRESENT | | | 1100 | 550 | 3.0 | 2.9 |
| | | 3 | 1 | 309029 | 497386 | 10.5 | NO PLANTS PRESENT | | | 510 | 340 | 2.9 | 2.5 |
| | | | 2 | 309029 | 497386 | 10.5 | NO PLANTS PRESENT | | | 510 | 340 | 2.9 | 2.5 |
| | | | 3 | 309029 | 497386 | 10.5 | NO PLANTS PRESENT | | | 510 | 340 | 2.9 | 2.5 |
| | | 4 | 1 | 309044 | 497393 | 12.0 | NO PLANTS PRESENT | | | 820 | 580 | 2.9 | 2.8 |
| | | | 2 | 309044 | 497393 | 12.0 | NO PLANTS PRESENT | | | 820 | 580 | 2.9 | 2.8 |
| | | | 3 | 309044 | 497393 | 12.0 | NO PLANTS PRESENT | | | 820 | 580 | 2.9 | 2.8 |
| | | 5 | 1 | 309027 | 497392 | 7.0 | NO PLANTS PRESENT | | | 600 | 300 | 2.8 | 2.2 |
| | | | 2 | 309027 | 497392 | 7.0 | NO PLANTS PRESENT | | | 600 | 300 | 2.8 | 2.2 |
| | | | 3 | 309027 | 497392 | 7.0 | NO PLANTS PRESENT | | | 600 | 300 | 2.8 | 2.2 |
| | | 6 | 1 | 309042 | 497402 | 5.0 | CHARA SPP. | 0.6 | 0.2 | 620 | 580 | 2.6 | 2.0 |
| | | | | | | | POT. NARROW | 35.3 | 21.5 | | | | |
| | | | 2 | 309042 | 497402 | 5.0 | POT. GRAMINEUS | 4.6 | 2.9 | 620 | 580 | 2.6 | 2.0 |
| | | | | | | | POT. NARROW | 19.3 | 12.3 | | | | |
| | | | 3 | 309042 | 497402 | 5.0 | POT. NARROW | 6.2 | 5.0 | 620 | 580 | 2.6 | 2.0 |
| | | | 4 | 309043 | 497403 | 3.0 | CHARA SPP. | 11.6 | 4.8 | 2200 | 1000 | 2.2 | 1.7 |
| | | | | | | | POT. GRAMINEUS | 5.8 | 3.5 | | | | |
| | | | | | | | POT. NARROW | 1.7 | 1.1 | | | | |
| | | | 5 | 309043 | 497403 | 3.0 | CHARA SPP. | TRACE | | 2200 | 1000 | 2.2 | 1.7 |
| | | | | | | | POT. GRAMINEUS | 23.0 | 8.8 | | | | |
| | | | | | | | POT. NARROW | 2.0 | 1.2 | | | | |
| | | | 6 | 309043 | 497403 | 3.0 | CHARA SPP. | 0.3 | 0.1 | 2200 | 1000 | 2.2 | 1.7 |
| | | | | | | | POT. GRAMINEUS | 23.7 | 14.2 | | | | |
| | | 7 | 1 | 309035 | 497405 | 8.0 | CHARA SPP. | 7.5 | 4.7 | 3100 | 520 | 0.8 | 0.8 |
| | | | | | | | ELODEA CANADENS | 7.4 | 5.2 | | | | |
| | | | | | | | MYRIO. SPICATUM | 0.2 | 0.1 | | | | |
| | | | | | | | POT. CRISPUS | 19.4 | 13.2 | | | | |
| | | | | | | | POT. RICHARDSONI | 9.4 | 6.5 | | | | |
| | | | 2 | 309035 | 497405 | 8.0 | ELODEA CANADENS | 0.9 | 0.6 | 3100 | 520 | 0.8 | 0.8 |
| | | | | | | | NITELLA HYALINA | 1.9 | 1.1 | | | | |
| | | | | | | | POT. RICHARDSONI | 30.1 | 22.7 | | | | |
| | | | 3 | 309035 | 497405 | 8.0 | CHARA SPP. | 4.2 | 2.6 | 3100 | 520 | 0.8 | 0.8 |
| | | | | | | | ELODEA CANADENS | 11.2 | 8.1 | | | | |
| | | | | | | | POT. BROAD | 8.7 | 7.4 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. CRISPUS | 1.7 | 1.6 | | | | |
| | 4 | 309036 | 497397 | 6.0 | POT. GRAMINEUS | 5.6 | 3.8 | 1500 | 780 | 1.9 | 0.4 |
| | | | | | POT. RICHARDSONI | 10.8 | 6.8 | | | | |
| | | | | | POT. NARROW | 27.4 | 18.6 | | | | |
| | 5 | 309036 | 497397 | 6.0 | POT. NARROW | 47.9 | 31.8 | 1500 | 780 | 1.9 | 0.4 |
| | 6 | 309036 | 497397 | 6.0 | POT. GRAMINEUS | 3.5 | 2.0 | 1500 | 780 | 1.9 | 0.4 |
| | | | | | POT. NARROW | 60.6 | 39.4 | | | | |
| | 7 | 309040 | 497402 | 2.5 | CHARA SPP. | 0.9 | 0.6 | 1800 | 900 | 2.2 | 1.0 |
| | | | | | POT. GRAMINEUS | 4.1 | 2.8 | | | | |
| | 8 | 309040 | 497402 | 2.5 | CHARA SPP. | 7.3 | 5.0 | 1800 | 900 | 2.2 | 1.0 |
| | | | | | POT. GRAMINEUS | 5.6 | 4.0 | | | | |
| | | | | | POT. NARROW | 1.1 | 0.8 | | | | |
| | 9 | 309040 | 497402 | 2.5 | CHARA SPP. | 43.1 | 20.3 | 1800 | 900 | 2.2 | 1.0 |
| | | | | | POT. GRAMINEUS | 7.3 | 3.1 | | | | |
| 8 | 1 | 309045 | 497408 | 7.0 | CHARA SPP. | 2.0 | 1.0 | 3900 | 2300 | 0.9 | 0.1 |
| | | | | | ELODEA CANADENS | 1.6 | 1.0 | | | | |
| | | | | | MYRIO. SPICATUM | 172.8 | 121.4 | | | | |
| | | | | | POT. BROAD | 1.3 | 0.9 | | | | |
| | 2 | 309045 | 497408 | 7.0 | CHARA SPP. | 1.7 | 0.9 | 3900 | 2300 | 0.9 | 0.1 |
| | | | | | ELODEA CANADENS | 0.7 | 0.3 | | | | |
| | | | | | MYRIO. SPICATUM | 131.9 | 77.3 | | | | |
| | | | | | POT. BROAD | 9.9 | 0.8 | | | | |
| | 3 | 309045 | 497408 | 7.0 | CHARA SPP. | 3.8 | 2.1 | 3900 | 2300 | 0.9 | 0.1 |
| | | | | | ELODEA CANADENS | 4.8 | 3.4 | | | | |
| | | | | | MYRIO. SPICATUM | 49.4 | 32.4 | | | | |
| | | | | | POT. BROAD | 0.8 | 0.7 | | | | |
| | | | | | POT. RICHARDSONI | 6.0 | 3.4 | | | | |
| | 4 | 309042 | 497402 | 4.5 | CHARA SPP. | 0.9 | 0.4 | 1500 | 1200 | 2.3 | 1.9 |
| | | | | | POT. NARROW | 21.1 | 16.0 | | | | |
| | 5 | 309042 | 497402 | 4.5 | CHARA SPP. | 185.6 | 74.5 | 1500 | 1200 | 2.3 | 1.9 |
| | | | | | POT. NARROW | 56.4 | 38.8 | | | | |
| | 6 | 309042 | 497402 | 4.5 | CHARA SPP. | 1.9 | 1.0 | 1500 | 1200 | 2.3 | 1.9 |
| | | | | | POT. NARROW | 58.7 | 47.7 | | | | |
| 9 | 1 | 309037 | 497407 | 8.0 | CHARA SPP. | 1.7 | 0.5 | 3500 | 2100 | 0.5 | 0.1 |
| | | | | | ELODEA CANADENS | 2.0 | 1.4 | | | | |
| | | | | | MYRIO. EXALBESC | 1.3 | 1.1 | | | | |
| | | | | | POT. CRISPUS | 22.6 | 19.0 | | | | |
| | | | | | POT. ZOSTERIFORM | 3.4 | 2.9 | | | | |
| | 2 | 309037 | 497407 | 8.0 | CHARA SPP. | 0.2 | 0.1 | 3500 | 2100 | 0.5 | 0.1 |
| | | | | | POT. BROAD | 1.7 | 1.5 | | | | |
| | | | | | POT. CRISPUS | 1.8 | 1.5 | | | | |
| | 3 | 309037 | 497407 | 8.0 | ELODEA CANADENS | 6.7 | 1.1 | 3500 | 2100 | 0.5 | 0.1 |
| | | | | | MYRIO. EXALBESC | 3.8 | 3.0 | | | | |
| | | | | | POT. CRISPUS | 44.9 | 33.5 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 309036 | 497406 | 2.5 | CHARA SPP. | 77.4 | 51.3 | 900 | 780 | 0.1 | 0.0 |
| | 5 | 309036 | 497406 | 2.5 | CHARA SPP. | 12.7 | 4.7 | 900 | 780 | 0.1 | 0.0 |
| | 6 | 309036 | 497406 | 2.5 | CHARA SPP. | 29.3 | 13.1 | 900 | 780 | 0.1 | 0.0 |
| | | | | | ELODEA CANADENS | 0.1 | 0.1 | | | | |
| | 7 | 309039 | 497402 | 10.0 | CHARA SPP. | 3.3 | 1.8 | 2300 | 780 | 1.9 | 1.3 |
| | | | | | ELODEA CANADENS | 27.1 | 16.3 | | | | |
| | | | | | MYRIO. SPICATUM | 22.9 | 17.7 | | | | |
| | | | | | POT. BROAD | 1.3 | 1.0 | | | | |
| | 8 | 309039 | 497402 | 10.0 | CHARA SPP. | 7.2 | 3.8 | 2300 | 780 | 1.9 | 1.3 |
| | | | | | ELODEA CANADENS | 2.9 | 1.9 | | | | |
| | | | | | POT. RICHARDSONI | 8.1 | 4.2 | | | | |
| | | | | | POT. NARROW | 1.2 | 1.0 | | | | |
| | 9 | 309039 | 497402 | 10.0 | CHARA SPP. | 5.2 | 2.5 | 2300 | 780 | 1.9 | 1.3 |
| | | | | | ELODEA CANADENS | 20.3 | 11.8 | | | | |
| | | | | | MYRIO. SPICATUM | 0.5 | 0.2 | | | | |
| | | | | | POT. RICHARDSONI | 9.7 | 5.5 | | | | |
| | | | | | POT. NARROW | 8.1 | 5.5 | | | | |
| 10 | 1 | 309056 | 497412 | 9.0 | CHARA SPP. | 36.7 | 18.8 | 1500 | 500 | 1.7 | 0.7 |
| | | | | | ELODEA CANADENS | 58.1 | 36.0 | | | | |
| | | | | | NITELLA HYALINA | 1.7 | 1.2 | | | | |
| | | | | | POT. NARROW | 41.5 | 31.4 | | | | |
| | 2 | 309056 | 497412 | 9.0 | CHARA SPP. | 109.5 | 53.8 | 1500 | 500 | 1.7 | 0.7 |
| | | | | | ELODEA CANADENS | 16.2 | 10.5 | | | | |
| | | | | | POT. NARROW | 24.1 | 17.5 | | | | |
| | 3 | 309056 | 497412 | 9.0 | CHARA SPP. | 13.7 | 6.6 | 1500 | 500 | 1.7 | 0.7 |
| | | | | | ELODEA CANADENS | 32.2 | 17.7 | | | | |
| | | | | | POT. RICHARDSONI | 1.8 | 1.4 | | | | |
| | | | | | POT. NARROW | 2.9 | 2.2 | | | | |
| 11 | 1 | 309046 | 497414 | 3.5 | CHARA SPP. | 70.1 | 29.4 | 1300 | 900 | 0.3 | 0.0 |
| | | | | | POT. NARROW | 1.1 | 0.9 | | | | |
| | 2 | 309046 | 497414 | 3.5 | CHARA SPP. | 154.4 | 61.0 | 1300 | 900 | 0.3 | 0.0 |
| | 3 | 309046 | 497414 | 3.5 | CHARA SPP. | 74.2 | 30.3 | 1300 | 900 | 0.3 | 0.0 |
| | | | | | ELODEA CANADENS | 0.4 | 0.3 | | | | |
| | | | | | POT. NARROW | 2.3 | 2.1 | | | | |
| | 4 | 309045 | 497410 | 6.2 | ELODEA CANADENS | 72.4 | 38.7 | 4800 | 3500 | 0.3 | 0.1 |
| | | | | | MYRIO. SPICATUM | 21.0 | 14.0 | | | | |
| | | | | | POT. NARROW | 48.7 | 35.6 | | | | |
| | 5 | 309045 | 497410 | 6.2 | CHARA SPP. | TRACE | | 4800 | 3500 | 0.3 | 0.1 |
| | | | | | ELODEA CANADENS | 18.1 | 11.2 | | | | |
| | | | | | POT. NARROW | 48.3 | 35.8 | | | | |
| | 6 | 309045 | 497410 | 6.2 | CHARA SPP. | TRACE | | 4800 | 3500 | 0.3 | 0.1 |
| | | | | | ELODEA CANADENS | 84.5 | 57.1 | | | | |
| | | | | | POT. RICHARDSONI | 6.1 | 4.7 | | | | |
| | | | | | POT. NARROW | 13.0 | 10.2 | | | | |
| | 7 | 309054 | 497413 | 9.0 | ELODEA CANADENS | 2.6 | 1.6 | 2400 | 810 | 1.6 | 1.2 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | MYRIO. EXALBESC | TRACE | | | | | |
| | | | | | NITELLA HYALINA | 142.9 | 81.6 | | | | |
| | | | | | POT. NARROW | 19.2 | 13.1 | | | | |
| | 8 | 309054 | 497413 | 9.0 | ELODEA CANADENS | 5.0 | 3.4 | 2400 | 810 | 1.6 | 1.2 |
| | | | | | NITELLA HYALINA | 129.0 | 70.7 | | | | |
| | | | | | POT. NARROW | 14.1 | 9.9 | | | | |
| | 9 | 309054 | 497413 | 9.0 | CHARA SPP. | 96.4 | 45.2 | 2400 | 810 | 1.6 | 1.2 |
| | | | | | POT. NARROW | 0.2 | 0.1 | | | | |
| | 10 | 309054 | 497414 | 8.0 | ELODEA CANADENS | 10.2 | 6.9 | 2500 | 800 | 1.6 | 1.3 |
| | | | | | NITELLA HYALINA | 45.5 | 26.9 | | | | |
| | | | | | POT. NARROW | 27.6 | 19.6 | | | | |
| | 11 | 309054 | 497414 | 8.0 | CHARA SPP. | 8.2 | 3.4 | 2500 | 800 | 1.6 | 1.3 |
| | | | | | ELODEA CANADENS | 17.8 | 9.6 | | | | |
| | | | | | NITELLA HYALINA | 105.6 | 52.2 | | | | |
| | | | | | POT. NARROW | 36.6 | 21.1 | | | | |
| | 12 | 309054 | 497414 | 8.0 | ELODEA CANADENS | 1.4 | 0.7 | 2500 | 800 | 1.6 | 1.3 |
| | | | | | NITELLA HYALINA | 3.4 | 1.6 | | | | |
| | | | | | POT. RICHARDSONI | 2.6 | 1.7 | | | | |
| | | | | | POT. NARROW | 21.0 | 14.8 | | | | |
| 12 | 1 | 309041 | 497413 | 3.0 | CHARA SPP. | 446.2 | 309.9 | 3500 | 2500 | 0.1 | 0.0 |
| | 2 | 309041 | 497413 | 3.0 | CHARA SPP. | 470.7 | 337.2 | 3500 | 2500 | 0.1 | 0.0 |
| | 3 | 309041 | 497413 | 3.0 | CHARA SPP. | 389.6 | 294.2 | 3500 | 2500 | 0.1 | 0.0 |
| | 4 | 309044 | 497411 | 7.0 | ELODEA CANADENS | 65.7 | 45.2 | 2500 | 1400 | 0.6 | 0.0 |
| | | | | | POT. BROAD | 3.2 | 13.8 | | | | |
| | 5 | 309044 | 497411 | 7.0 | ELODEA CANADENS | 37.6 | 23.9 | 2500 | 1400 | 0.6 | 0.0 |
| | | | | | MYRIO. SPICATUM | 1.6 | 1.1 | | | | |
| | | | | | NITELLA HYALINA | 0.5 | 0.3 | | | | |
| | | | | | POT. BROAD | 1.2 | 0.9 | | | | |
| | | | | | POT. NARROW | 1.6 | 1.2 | | | | |
| | 6 | 309044 | 497411 | 7.0 | CHARA SPP. | 0.3 | 0.1 | 2500 | 1400 | 0.6 | 0.0 |
| | | | | | ELODEA CANADENS | 14.1 | 9.4 | | | | |
| | | | | | MYRIO. SPICATUM | 0.5 | 0.4 | | | | |
| | | | | | POT. NARROW | 5.4 | 3.9 | | | | |
| 13 | 1 | 309057 | 497413 | 11.0 | CHARA SPP. | 3.8 | 1.8 | 3000 | 520 | 1.3 | 0.6 |
| | | | | | ELODEA CANADENS | 5.1 | 2.9 | | | | |
| | | | | | NITELLA HYALINA | 112.5 | 58.1 | | | | |
| | | | | | POT. GRAMINEUS | 3.0 | 2.2 | | | | |
| | 2 | 309057 | 497413 | 11.0 | CHARA SPP. | 3.0 | 1.4 | 3000 | 520 | 1.3 | 0.6 |
| | | | | | ELODEA CANADENS | 10.9 | 7.7 | | | | |
| | | | | | MYRIO. SPICATUM | 0.3 | 0.2 | | | | |
| | | | | | NITELLA HYALINA | 93.6 | 52.3 | | | | |
| | | | | | POT. BROAD | 3.7 | 2.9 | | | | |
| | | | | | POT. NARROW | 0.9 | 0.7 | | | | |
| | 3 | 309057 | 497413 | 11.0 | CHARA SPP. | 131.5 | 62.8 | 3000 | 520 | 1.3 | 0.6 |
| | | | | | ELODEA CANADENS | 5.9 | 3.7 | | | | |
| | | | | | POT. RICHARDSONI | 0.6 | 0.5 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. NARROW | 0.6 | 0.4 | | | | |
| 14 | 1 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | 2 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | 3 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| 15 | 1 | 309076 | 497428 | 7.0 | POT. GRAMINEUS | 27.6 | 15.7 | 3000 | 1200 | 2.2 | 1.6 |
| | 2 | 309076 | 497428 | 7.0 | CHARA SPP. | 2.1 | 0.7 | 3000 | 1200 | 2.2 | 1.6 |
| | | | | | POT. GRAMINEUS | 17.0 | 11.5 | | | | |
| | 3 | 309076 | 497428 | 7.0 | CHARA SPP. | 0.3 | 0.1 | 3000 | 1200 | 2.2 | 1.6 |
| | | | | | POT. GRAMINEUS | 2.9 | 2.0 | | | | |
| | 4 | 309073 | 497430 | 3.0 | CHARA SPP. | 39.7 | 18.4 | 3500 | 3100 | 1.3 | 0.9 |
| | 5 | 309073 | 497430 | 3.0 | CHARA SPP. | 17.2 | 7.3 | 3500 | 3100 | 1.3 | 0.9 |
| | | | | | POT. NARROW | 0.4 | 0.3 | | | | |
| | 6 | 309073 | 497430 | 3.0 | CHARA SPP. | 182.8 | 132.6 | 3500 | 3100 | 1.3 | 0.9 |
| | | | | | POT. NARROW | 0.2 | 0.1 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JUNE, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | FAWN | 1 | 1 | 309569 | 498255 | 11.0 | CHARA SPP. | 2.2 | 0.6 | 4500 | 1500 | 2.6 | 2.5 |
| | | | | | | | POT. GRAMINEUS | 17.2 | 10.4 | | | | |
| | | | | | | | POT. NARROW | 12.4 | 7.9 | | | | |
| | | | 2 | 309569 | 498255 | 11.0 | POT. GRAMINEUS | 26.2 | 15.2 | 4500 | 1500 | 2.6 | 2.5 |
| | | | | | | | POT. NARROW | 0.2 | 0.1 | | | | |
| | | | 3 | 309569 | 498255 | 11.0 | NITELLA HYALINA | 4.8 | 1.7 | 4500 | 1500 | 2.6 | 2.5 |
| | | | | | | | POT. GRAMINEUS | 6.0 | 3.4 | | | | |
| | | | | | | | POT. NARROW | 4.2 | 2.1 | | | | |
| | | 2 | 1 | 309571 | 498260 | 9.0 | CHARA SPP. | 0.6 | 0.2 | 3500 | 1200 | 2.8 | 1.8 |
| | | | | | | | POT. GRAMINEUS | 9.4 | 6.8 | | | | |
| | | | | | | | POT. NARROW | 5.0 | 4.0 | | | | |
| | | | 2 | 309571 | 498260 | 9.0 | POT. GRAMINEUS | 23.4 | 19.2 | 3500 | 1200 | 2.8 | 1.8 |
| | | | | | | | POT. RICHARDSONI | 1.9 | 1.0 | | | | |
| | | | 3 | 309571 | 498260 | 9.0 | POT. GRAMINEUS | 0.9 | 0.7 | 3500 | 1200 | 2.8 | 1.8 |
| | | | | | | | POT. RICHARDSONI | 1.5 | 1.2 | | | | |
| | | | | | | | POT. NARROW | 16.1 | 10.6 | | | | |
| | | 3 | 1 | 309584 | 498262 | 4.0 | CHARA SPP. | 29.3 | 9.1 | 2100 | 1200 | 2.0 | 1.6 |
| | | | 2 | 309584 | 498262 | 4.0 | CHARA SPP. | 23.0 | 11.0 | 2100 | 1200 | 2.0 | 1.6 |
| | | | 3 | 309584 | 498262 | 4.0 | CHARA SPP. | 2.8 | 1.8 | 2100 | 1200 | 2.0 | 1.6 |
| | | | 4 | 309589 | 498263 | 7.0 | POT. GRAMINEUS | 0.9 | 9.3 | 1800 | 760 | 2.7 | 1.9 |
| | | | | | | | POT. NARROW | 1.6 | 1.1 | | | | |
| | | | 5 | 309589 | 498263 | 7.0 | POT. GRAMINEUS | 2.4 | 1.5 | 1800 | 760 | 2.7 | 1.9 |
| | | | | | | | POT. NARROW | 5.6 | 4.6 | | | | |
| | | | 6 | 309589 | 498263 | 7.0 | POT. GRAMINEUS | 1.5 | 1.2 | 1800 | 760 | 2.7 | 1.9 |
| | | 4 | 1 | 309574 | 498262 | 5.0 | CHARA SPP. | 2.7 | 1.2 | 4000 | 1500 | 2.4 | 0.6 |
| | | | 2 | 309574 | 498262 | 5.0 | CHARA SPP. | 5.8 | 3.6 | 4000 | 1500 | 2.4 | 0.6 |
| | | | 3 | 309574 | 498262 | 5.0 | CHARA SPP. | 4.9 | 2.7 | 4000 | 1500 | 2.4 | 0.6 |
| | | | | | | | POT. NARROW | 0.3 | 0.1 | | | | |
| | | 5 | 1 | 309602 | 498270 | 6.0 | CHARA SPP. | 0.4 | 0.3 | 3200 | 1800 | 2.2 | 1.3 |
| | | | | | | | POT. GRAMINEUS | 1.1 | 0.7 | | | | |
| | | | | | | | POT. NARROW | 1.1 | 0.8 | | | | |
| | | | 2 | 309602 | 498270 | 6.0 | CHARA SPP. | 1.6 | 1.1 | 3200 | 1800 | 2.2 | 1.3 |
| | | | | | | | POT. GRAMINEUS | 1.3 | 0.8 | | | | |
| | | | 3 | 309602 | 498270 | 6.0 | CHARA SPP. | 0.1 | 0.1 | 3200 | 1800 | 2.2 | 1.3 |
| | | | | | | | POT. NARROW | 6.6 | 3.8 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 1 | 309590 | 498270 | 3.0 | CHARA SPP. | 2.6 | 1.7 | 3200 | 1900 | 1.8 | 1.3 |
| | 2 | 309590 | 498270 | 3.0 | CHARA SPP. | 10.0 | 4.8 | 3200 | 1900 | 1.8 | 1.3 |
| | 3 | 309590 | 498270 | 3.0 | CHARA SPP. | 8.3 | 4.4 | 3200 | 1900 | 1.8 | 1.3 |
| 7 | 1 | 309584 | 498268 | 3.0 | CHARA SPP. | 17.9 | 8.0 | 3700 | 2900 | 1.0 | 0.5 |
| | 2 | 309584 | 498268 | 3.0 | CHARA SPP. | 31.5 | 18.6 | 3700 | 2900 | 1.0 | 0.5 |
| | 3 | 309584 | 498268 | 3.0 | CHARA SPP. | 12.7 | 5.8 | 3700 | 2900 | 1.0 | 0.5 |
| | | | | | POT. GRAMINEUS | 3.2 | 1.8 | | | | |
| 8 | 1 | 309606 | 498275 | 4.0 | CHARA SPP. | 12.2 | 6.8 | 3400 | 1900 | 0.9 | 0.7 |
| | 2 | 309606 | 498275 | 4.0 | CHARA SPP. | 21.3 | 6.2 | 3400 | 1900 | 0.9 | 0.7 |
| | 3 | 309606 | 498275 | 4.0 | CHARA SPP. | 4.3 | 2.2 | 3400 | 1900 | 0.9 | 0.7 |
| | | | | | POT. NARROW | 0.8 | 0.5 | | | | |
| 9 | 1 | 309601 | 498277 | 3.0 | POT. RICHARDSONI | 5.2 | 3.1 | 3600 | 2100 | 1.7 | 1.5 |
| | 2 | 309601 | 498277 | 3.0 | POT. RICHARDSONI | 9.6 | 7.5 | 3600 | 2100 | 1.7 | 1.5 |
| | | | | | POT. NARROW | 3.7 | 2.2 | | | | |
| | 3 | 309601 | 498277 | 3.0 | POT. RICHARDSONI | 26.6 | 18.3 | 3600 | 2100 | 1.7 | 1.5 |
| | 4 | 309593 | 498273 | 2.5 | CHARA SPP. | 0.5 | 0.2 | 1500 | 1300 | 1.6 | 1.1 |
| | | | | | POT. GRAMINEUS | 2.5 | 2.1 | | | | |
| | | | | | POT. NARROW | 8.8 | 6.1 | | | | |
| | 5 | 309593 | 498273 | 2.5 | POT. CRISPUS | 2.9 | 2.2 | 1500 | 1300 | 1.6 | 1.1 |
| | | | | | POT. NARROW | 1.8 | 1.3 | | | | |
| | 6 | 309593 | 498273 | 2.5 | POT. GRAMINEUS | 4.6 | 3.4 | 1500 | 1300 | 1.6 | 1.1 |
| | | | | | POT. RICHARDSONI | 3.9 | 3.0 | | | | |
| | | | | | POT. NARROW | 0.5 | 0.3 | | | | |
| 10 | 1 | 309619 | 498284 | 2.0 | CHARA SPP. | 10.0 | 7.3 | 3800 | 3000 | 1.2 | 0.7 |
| | | | | | POT. CRISPUS | 5.5 | 4.4 | | | | |
| | 2 | 309619 | 498284 | 2.0 | CHARA SPP. | 4.8 | 3.7 | 3800 | 3000 | 1.2 | 0.7 |
| | | | | | POT. GRAMINEUS | 6.4 | 4.6 | | | | |
| | 3 | 309619 | 498284 | 2.0 | CHARA SPP. | 3.4 | 2.3 | 3800 | 3000 | 1.2 | 0.7 |
| | | | | | POT. GRAMINEUS | 6.3 | 4.8 | | | | |
| | 4 | 309619 | 498285 | 4.0 | CHARA SPP. | 163.8 | 81.4 | 3400 | 2500 | 1.1 | 0.9 |
| | | | | | POT. GRAMINEUS | 16.5 | 11.8 | | | | |
| | | | | | POT. RICHARDSONI | 9.8 | 7.6 | | | | |
| | 5 | 309619 | 498285 | 4.0 | CHARA SPP. | 21.9 | 11.1 | 3400 | 2500 | 1.1 | 0.9 |
| | | | | | POT. GRAMINEUS | 3.7 | 3.1 | | | | |
| | | | | | POT. RICHARDSONI | 25.9 | 19.6 | | | | |
| | 6 | 309619 | 498285 | 4.0 | CHARA SPP. | 2693.3 | 1706.8 | 3400 | 2500 | 1.1 | 0.9 |
| | | | | | POT. RICHARDSONI | 7.3 | 5.5 | | | | |
| | | | | | POT. NARROW | 2.8 | 2.2 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 1 | 309615 | 498283 | 3.0 | CHARA SPP. | 1.3 | 0.6 | 3600 | 1800 | 0.7 | 0.5 |
| | | | | | POT. GRAMINEUS | 5.9 | 3.2 | | | | |
| | | | | | POT. NARROW | 0.7 | 0.4 | | | | |
| | 2 | 309615 | 498283 | 3.0 | POT. GRAMINEUS | 9.4 | 5.9 | 3600 | 1800 | 0.7 | 0.5 |
| | 3 | 309615 | 498283 | 3.0 | CHARA SPP. | 0.7 | 0.3 | 3600 | 1800 | 0.7 | 0.5 |
| | | | | | POT. GRAMINEUS | 0.9 | 0.7 | | | | |
| | | | | | VALLISNERIA AMER | 0.5 | 0.3 | | | | |
| | 4 | 309616 | 498279 | 4.0 | CHARA SPP. | 17.8 | 10.6 | 4500 | 3100 | 1.0 | 0.8 |
| | 5 | 309616 | 498279 | 4.0 | CHARA SPP. | 38.2 | 16.3 | 4500 | 3100 | 1.0 | 0.8 |
| | 6 | 309616 | 498279 | 4.0 | CHARA SPP. | 96.9 | 47.0 | 4500 | 3100 | 1.0 | 0.8 |
| | | | | | POT. NARROW | 0.2 | 0.1 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JUNE, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | RUSSELL | 1 | 1 | 309953 | 498657 | 10.0 | CHARA SPP. | 3.8 | 1.2 | 4000 | 450 | 2.5 | 0.8 |
| | | | | | | | POT. NARROW | 33.7 | 17.4 | | | | |
| | | | 2 | 309953 | 498657 | 10.0 | CHARA SPP. | TRACE | | 4000 | 450 | 2.5 | 0.8 |
| | | | | | | | POT. NARROW | 6.0 | 4.1 | | | | |
| | | | 3 | 309953 | 498657 | 10.0 | CHARA SPP. | 0.1 | 0.1 | 4000 | 450 | 2.5 | 0.8 |
| | | | | | | | POT. GRAMINEUS | 2.5 | 1.9 | | | | |
| | | | | | | | POT. NARROW | 9.7 | 6.8 | | | | |
| | | 2 | 1 | 309944 | 498653 | 8.5 | CHARA SPP. | 52.8 | 28.0 | 3500 | 1700 | 2.3 | 2.1 |
| | | | | | | | NITELLA HYALINA | 2.6 | 1.9 | | | | |
| | | | | | | | POT. GRAMINEUS | 3.8 | 2.6 | | | | |
| | | | 2 | 309944 | 498653 | 8.5 | CHARA SPP. | 80.8 | 30.9 | 3500 | 1700 | 2.3 | 2.1 |
| | | | | | | | POT. GRAMINEUS | 2.9 | 2.2 | | | | |
| | | | | | | | POT. NARROW | 1.3 | 0.9 | | | | |
| | | | 3 | 309944 | 498653 | 8.5 | CHARA SPP. | 67.9 | 32.1 | 3500 | 1700 | 2.3 | 2.1 |
| | | | | | | | POT. NARROW | 1.5 | 1.3 | | | | |
| | | | 4 | 309944 | 498655 | 8.5 | ELODEA CANADENS | 0.1 | 0.0 | 3000 | 1600 | 2.4 | 1.9 |
| | | | | | | | POT. GRAMINEUS | 14.1 | 10.2 | | | | |
| | | | 5 | 309944 | 498655 | 8.5 | CHARA SPP. | 19.6 | 8.9 | 3000 | 1600 | 2.4 | 1.9 |
| | | | | | | | POT. GRAMINEUS | 6.0 | 3.9 | | | | |
| | | | 6 | 309944 | 498655 | 8.5 | CHARA SPP. | 0.8 | 0.4 | 3000 | 1600 | 2.4 | 1.9 |
| | | | | | | | POT. GRAMINEUS | 16.2 | 8.7 | | | | |
| | | 3 | 1 | 309970 | 498663 | 11.0 | CHARA SPP. | 1.5 | 0.7 | 3800 | 1300 | 2.5 | 1.1 |
| | | | | | | | ELODEA CANADENS | 14.8 | 10.9 | | | | |
| | | | 2 | 309970 | 498663 | 11.0 | CHARA SPP. | 6.6 | 3.3 | 3800 | 1300 | 2.5 | 1.1 |
| | | | | | | | ELODEA CANADENS | 15.9 | 11.5 | | | | |
| | | | | | | | POT. RICHARDSONI | 1.8 | 1.5 | | | | |
| | | | | | | | POT. NARROW | 1.4 | 0.9 | | | | |
| | | | 3 | 309970 | 498663 | 11.0 | CHARA SPP. | 7.0 | 3.4 | 3800 | 1300 | 2.5 | 1.1 |
| | | | | | | | ELODEA CANADENS | 28.0 | 20.3 | | | | |
| | | | | | | | NITELLA HYALINA | TRACE | | | | | |
| | | | | | | | POT. BROAD | 1.5 | 1.2 | | | | |
| | | | | | | | POT. ZOSTERIFORM | 1.0 | 0.7 | | | | |
| | | 4 | 1 | 309968 | 498662 | 7.0 | POT. RICHARDSONI | 19.1 | 13.1 | 3800 | 1900 | 1.8 | 0.5 |
| | | | 2 | 309968 | 498662 | 7.0 | CHARA SPP. | 1.0 | 0.5 | 3800 | 1900 | 1.8 | 0.5 |
| | | | | | | | ELODEA CANADENS | 1.0 | 0.6 | | | | |
| | | | | | | | POT. RICHARDSONI | 33.3 | 20.0 | | | | |
| | | | 3 | 309968 | 498662 | 7.0 | CHARA SPP. | 2.7 | 1.2 | 3800 | 1900 | 1.8 | 0.5 |
| | | | | | | | POT. RICHARDSONI | 24.2 | 18.3 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 1 | - | - | 8.0 | CHARA SPP. | 12.4 | 6.3 | 3800 | 1700 | 1.8 | 1.3 |
| | | | | | ELODEA CANADENS | 4.0 | 2.4 | | | | |
| | | | | | NITELLA HYALINA | 4.0 | 2.7 | | | | |
| | | | | | POT. RICHARDSONI | 12.7 | 8.1 | | | | |
| | | | | | POT. NARROW | 8.8 | 6.1 | | | | |
| | 2 | - | - | 8.0 | CHARA SPP. | 4.2 | 2.0 | 3800 | 1700 | 1.8 | 1.3 |
| | | | | | POT. RICHARDSONI | 5.5 | 2.5 | | | | |
| | | | | | POT. NARROW | 3.8 | 2.0 | | | | |
| | 3 | - | - | 8.0 | POT. RICHARDSONI | 5.4 | 3.6 | 3800 | 1700 | 1.8 | 1.3 |
| 6 | 1 | - | - | 6.0 | CHARA SPP. | 93.2 | 42.3 | 3800 | 1900 | 1.8 | 1.5 |
| | | | | | POT. GRAMINEUS | 0.3 | 0.2 | | | | |
| | 2 | - | - | 6.0 | CHARA SPP. | 50.7 | 23.9 | 3800 | 1900 | 1.8 | 1.5 |
| | | | | | ELODEA CANADENS | 0.3 | 0.1 | | | | |
| | 3 | - | - | 6.0 | CHARA SPP. | 19.6 | 10.4 | 3800 | 1900 | 1.8 | 1.5 |
| | | | | | POT. GRAMINEUS | 0.5 | 0.3 | | | | |
| 7 | 1 | 309974 | 498666 | 3.5 | CHARA SPP. | 102.9 | 47.1 | 3800 | 3500 | 1.6 | 1.5 |
| | | | | | POT. NARROW | 4.1 | 3.3 | | | | |
| | 2 | 309974 | 498666 | 3.5 | CHARA SPP. | 156.2 | 52.6 | 3800 | 3500 | 1.6 | 1.5 |
| | | | | | POT. NARROW | 0.2 | 0.2 | | | | |
| | 3 | 309974 | 498666 | 3.5 | CHARA SPP. | 16.2 | 7.9 | 3800 | 3500 | 1.6 | 1.5 |
| | | | | | POT. NARROW | 9.4 | 7.4 | | | | |
| | 4 | 309977 | 498664 | 10.0 | POT. RICHARDSONI | 44.3 | 36.1 | 3800 | 1300 | 2.3 | 1.7 |
| | 5 | 309977 | 498664 | 10.0 | NITELLA HYALINA | 0.1 | 0.0 | 3800 | 1300 | 2.3 | 1.7 |
| | | | | | POT. RICHARDSONI | 32.1 | 21.2 | | | | |
| | 6 | 309977 | 498664 | 10.0 | POT. RICHARDSONI | 22.5 | 18.6 | 3800 | 1300 | 2.3 | 1.7 |
| 8 | 1 | 309963 | 498664 | 6.5 | CHARA SPP. | 3.2 | 1.2 | 4500 | 2800 | 1.9 | 1.4 |
| | | | | | POT. GRAMINEUS | 1.9 | 1.2 | | | | |
| | | | | | POT. NARROW | 15.4 | 11.3 | | | | |
| | 2 | 309963 | 498664 | 6.5 | CHARA SPP. | 5.4 | 2.6 | 4500 | 2800 | 1.9 | 1.4 |
| | | | | | POT. GRAMINEUS | 8.9 | 5.5 | | | | |
| | | | | | POT. NARROW | 25.2 | 20.2 | | | | |
| | 3 | 309963 | 498664 | 6.5 | CHARA SPP. | 2.7 | 1.4 | 4500 | 2800 | 1.9 | 1.4 |
| | | | | | POT. GRAMINEUS | 5.0 | 3.2 | | | | |
| | | | | | POT. NARROW | 26.2 | 19.5 | | | | |
| | 4 | 309968 | 498665 | 4.0 | CHARA SPP. | 0.2 | 0.1 | 3000 | 1700 | 2.1 | 0.6 |
| | | | | | ELODEA CANADENS | 0.3 | 0.1 | | | | |
| | | | | | POT. RICHARDSONI | 4.2 | 2.6 | | | | |
| | | | | | POT. NARROW | 18.6 | 13.4 | | | | |
| | 5 | 309968 | 498665 | 4.0 | CHARA SPP. | 18.8 | 7.3 | 3000 | 1700 | 2.1 | 0.6 |
| | | | | | POT. GRAMINEUS | 0.9 | 0.7 | | | | |
| | | | | | POT. NARROW | 72.2 | 52.7 | | | | |
| | 6 | 309968 | 498665 | 4.0 | CHARA SPP. | 0.3 | 0.1 | 3000 | 1700 | 2.1 | 0.6 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. RICHARDSONI | 1.0 | 0.6 | | | | |
| | | | | | POT. NARROW | 22.5 | 16.6 | | | | |
| 9 | 1 | 309957 | 498662 | 5.5 | CHARA SPP. | 196.1 | 75.6 | 2000 | 1200 | 1.6 | 1.4 |
| | 2 | 309957 | 498662 | 5.5 | CHARA SPP. | 141.1 | 56.7 | 2000 | 1200 | 1.6 | 1.4 |
| | | | | | POT. NARROW | 0.5 | 0.4 | | | | |
| | 3 | 309957 | 498662 | 5.5 | CHARA SPP. | 105.6 | 81.4 | 2000 | 1200 | 1.6 | 1.4 |
| | | | | | POT. NARROW | 0.3 | 0.2 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JUNE, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | BELLE | 1 | 1 | 312761 | 499953 | 9.0 | POT. NARROW | 2.1 | 1.3 | 3000 | 370 | 0.8 | 0.4 |
| | | | | | | | VALLISNERIA AMER | 1.4 | 1.0 | | | | |
| | | | 2 | 312761 | 499953 | 9.0 | POT. NARROW | 0.8 | 0.2 | 3000 | 370 | 0.8 | 0.4 |
| | | | | | | | VALLISNERIA AMER | 6.2 | 4.5 | | | | |
| | | | 3 | 312761 | 499953 | 9.0 | VALLISNERIA AMER | 7.5 | 5.5 | 3000 | 370 | 0.8 | 0.4 |
| | | 2 | 1 | 312766 | 499958 | 8.0 | POT. RICHARDSONI | 0.8 | 0.5 | 3500 | 450 | 0.3 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 4.1 | 3.9 | | | | |
| | | | 2 | 312766 | 499958 | 8.0 | VALLISNERIA AMER | 1.4 | 0.9 | 3500 | 450 | 0.3 | 0.1 |
| | | | 3 | 312766 | 499958 | 8.0 | POT. NARROW | 0.2 | 0.1 | 3500 | 450 | 0.3 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 0.9 | 0.6 | | | | |
| | | 3 | 1 | 312779 | 499966 | 4.0 | POT. CRISPUS | 9.9 | 7.3 | 3000 | 150 | 0.8 | 0.3 |
| | | | | | | | POT. RICHARDSONI | 3.7 | 2.7 | | | | |
| | | | | | | | POT. NARROW | 1.0 | 0.6 | | | | |
| | | | | | | | VALLISNERIA AMER | 1.7 | 1.1 | | | | |
| | | | 2 | 312779 | 499966 | 4.0 | CHARA SPP. | 0.2 | 0.1 | 3000 | 150 | 0.8 | 0.3 |
| | | | | | | | POT. RICHARDSONI | 2.6 | 1.8 | | | | |
| | | | | | | | POT. NARROW | 1.7 | 1.1 | | | | |
| | | | 3 | 312779 | 499966 | 4.0 | POT. CRISPUS | 2.9 | 2.5 | 3000 | 150 | 0.8 | 0.3 |
| | | | | | | | POT. RICHARDSONI | 14.1 | 11.3 | | | | |
| | | | | | | | POT. NARROW | 0.6 | 0.3 | | | | |
| | | | | | | | VALLISNERIA AMER | 2.5 | 1.7 | | | | |
| | | 4 | 1 | 312786 | 499972 | 5.0 | CHARA SPP. | 3.2 | 0.9 | 3600 | 820 | 0.8 | 0.5 |
| | | | | | | | POT. NARROW | 0.1 | 0.1 | | | | |
| | | | | | | | VALLISNERIA AMER | 0.4 | 0.3 | | | | |
| | | | 2 | 312786 | 499972 | 5.0 | POT. NARROW | 0.3 | 0.1 | 3600 | 820 | 0.8 | 0.5 |
| | | | | | | | VALLISNERIA AMER | 0.3 | 0.2 | | | | |
| | | | 3 | 312786 | 499972 | 5.0 | NITELLA HYALINA | 15.1 | 4.9 | 3600 | 820 | 0.8 | 0.5 |
| | | | | | | | POT. CRISPUS | 0.4 | 0.2 | | | | |
| | | | | | | | POT. NARROW | 0.1 | 0.0 | | | | |
| | | | | | | | VALLISNERIA AMER | 1.0 | 0.8 | | | | |
| | | 5 | 1 | 312802 | 499982 | 6.0 | NITELLA HYALINA | 17.5 | 5.6 | 3200 | 400 | 1.1 | 0.5 |
| | | | | | | | POT. RICHARDSONI | 2.6 | 2.0 | | | | |
| | | | | | | | VALLISNERIA AMER | 0.5 | 0.3 | | | | |
| | | | 2 | 312802 | 499982 | 6.0 | CHARA SPP. | 12.1 | 3.5 | 3200 | 400 | 1.1 | 0.5 |
| | | | | | | | POT. NARROW | 1.1 | 0.7 | | | | |
| | | | | | | | VALLISNERIA AMER | 1.0 | 0.7 | | | | |
| | | | 3 | 312802 | 499982 | 6.0 | NITELLA HYALINA | 32.8 | 13.9 | 3200 | 400 | 1.1 | 0.5 |
| | | | | | | | POT. RICHARDSONI | 6.9 | 0.5 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. NARROW | 4.3 | 2.8 | | | | |
| 6 | 1 | 312810 | 499988 | 11.0 | CHARA SPP. | 12.6 | 2.8 | 3000 | 510 | 1.9 | 0.9 |
| | | | | | POT. GRAMINEUS | 2.9 | 2.0 | | | | |
| | 2 | 312810 | 499988 | 11.0 | CHARA SPP. | 38.7 | 8.2 | 3000 | 510 | 1.9 | 0.9 |
| | | | | | POT. GRAMINEUS | 0.2 | 0.2 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | | | | | VALLISNERIA AMER | 1.4 | 1.1 | | | | |
| | 3 | 312810 | 499988 | 11.0 | CHARA SPP. | 0.6 | 0.2 | 3000 | 510 | 1.9 | 0.9 |
| | | | | | POT. RICHARDSONI | 13.8 | 9.3 | | | | |
| | | | | | POT. NARROW | 1.0 | 0.5 | | | | |
| | | | | | VALLISNERIA AMER | 1.2 | 1.0 | | | | |
| 7 | 1 | 312858 | 499996 | 4.5 | CHARA SPP. | 12.6 | 5.2 | 4300 | 2500 | 0.2 | 0.0 |
| | 2 | 312858 | 499996 | 4.5 | NITELLA HYALINA | 66.9 | 21.5 | 4300 | 2500 | 0.2 | 0.0 |
| | | | | | POT. NARROW | TRACE | | | | | |
| | 3 | 312858 | 499996 | 4.5 | CHARA SPP. | 26.3 | 10.7 | 4300 | 2500 | 0.2 | 0.0 |
| | | | | | POT. NARROW | TRACE | | | | | |
| | 4 | 312858 | 499996 | 6.5 | ELODEA CANADENS | TRACE | | 4000 | 1600 | 0.2 | 0.1 |
| | | | | | NITELLA HYALINA | 7.9 | 5.4 | | | | |
| | | | | | POT. NARROW | 0.8 | 0.4 | | | | |
| | | | | | VALLISNERIA AMER | 1.2 | 0.8 | | | | |
| | 5 | 312858 | 499996 | 6.5 | MYRIO. SPICATUM | 18.3 | 14.2 | 4000 | 1600 | 0.2 | 0.1 |
| | | | | | NITELLA HYALINA | 37.6 | 16.7 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| | 6 | 312858 | 499996 | 6.5 | NITELLA HYALINA | 5.3 | 3.6 | 4000 | 1600 | 0.2 | 0.1 |
| | | | | | POT. NARROW | 1.5 | 0.9 | | | | |
| | | | | | VALLISNERIA AMER | 2.4 | 1.8 | | | | |
| 8 | 1 | 312846 | 499996 | 5.0 | MYRIO. SPICATUM | 48.0 | 33.9 | 4100 | 1700 | 0.3 | 0.1 |
| | | | | | NITELLA HYALINA | 16.2 | 7.6 | | | | |
| | 2 | 312846 | 499996 | 5.0 | ELODEA CANADENS | TRACE | | 4100 | 1700 | 0.3 | 0.1 |
| | | | | | MYRIO. SPICATUM | 34.3 | 14.1 | | | | |
| | | | | | NITELLA HYALINA | 8.8 | 0.4 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | 3 | 312846 | 499996 | 5.0 | MYRIO. SPICATUM | 1.5 | 1.1 | 4100 | 1700 | 0.3 | 0.1 |
| | | | | | NITELLA HYALINA | 40.8 | 16.6 | | | | |
| | | | | | POT. NARROW | 0.1 | 0.0 | | | | |
| | 4 | 312846 | 499997 | 5.0 | NITELLA HYALINA | 25.8 | 15.0 | 4100 | 1700 | 0.3 | 0.1 |
| | | | | | POT. NARROW | TRACE | | | | | |
| | 5 | 312846 | 499997 | 5.0 | CHARA SPP. | TRACE | | 4100 | 1700 | 0.3 | 0.1 |
| | | | | | NITELLA HYALINA | 42.9 | 21.4 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | 6 | 312846 | 499997 | 5.0 | NITELLA HYALINA | 11.1 | 6.5 | 4100 | 1700 | 0.3 | 0.1 |
| 9 | 1 | 312835 | 499991 | 3.5 | CHARA SPP. | 120.5 | 45.8 | 4000 | 2000 | 0.4 | 0.0 |
| | | | | | POT. NARROW | TRACE | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | VALLISNERIA AMER | 0.8 | 0.5 | | | | |
| | 2 | 312835 | 499991 | 3.5 | CHARA SPP. | 126.8 | 44.2 | 4000 | 2000 | 0.4 | 0.0 |
| | 3 | 312835 | 499991 | 3.5 | NITELLA HYALINA | 35.0 | 13.6 | 4000 | 2000 | 0.4 | 0.0 |
| | | | | | VALLISNERIA AMER | 0.2 | 0.2 | | | | |
| | 4 | 312835 | 499993 | 6.0 | MYRIO. SPICATUM | 8.8 | 6.8 | 4100 | 1500 | 0.4 | 0.1 |
| | | | | | NITELLA HYALINA | 1.5 | 0.7 | | | | |
| | | | | | POT. NARROW | 0.6 | 0.4 | | | | |
| | | | | | VALLISNERIA AMER | 0.6 | 0.5 | | | | |
| | 5 | 312835 | 499993 | 6.0 | MYRIO. SPICATUM | 38.7 | 26.1 | 4100 | 1500 | 0.4 | 0.1 |
| | | | | | NITELLA HYALINA | 119.1 | 41.9 | | | | |
| | | | | | POT. NARROW | 0.7 | 0.4 | | | | |
| | | | | | VALLISNERIA AMER | 0.6 | 0.3 | | | | |
| | 6 | 312835 | 499993 | 6.0 | MYRIO. SPICATUM | 17.8 | 13.7 | 4100 | 1500 | 0.4 | 0.1 |
| | | | | | NITELLA HYALINA | 110.2 | 27.1 | | | | |
| | 7 | 312836 | 499998 | 10.0 | NITELLA HYALINA | 6.2 | 2.3 | 4200 | 700 | 1.1 | 0.4 |
| | | | | | POT. NARROW | 5.4 | 3.8 | | | | |
| | | | | | VALLISNERIA AMER | 3.1 | 2.3 | | | | |
| | 8 | 312836 | 499998 | 10.0 | NITELLA HYALINA | 5.6 | 1.9 | 4200 | 700 | 1.1 | 0.4 |
| | | | | | POT. CRISPUS | 0.9 | 0.6 | | | | |
| | | | | | POT. NARROW | 3.4 | 2.3 | | | | |
| | | | | | VALLISNERIA AMER | 1.5 | 1.2 | | | | |
| | 9 | 312836 | 499998 | 10.0 | CHARA SPP. | 10.2 | 4.8 | 4200 | 700 | 1.1 | 0.4 |
| | | | | | POT. RICHARDSONI | 5.0 | 3.6 | | | | |
| | | | | | POT. NARROW | 3.3 | 2.1 | | | | |
| 10 | 1 | 312822 | 499992 | 3.0 | NITELLA HYALINA | 12.2 | 5.6 | 3800 | 1900 | 0.4 | 0.1 |
| | | | | | POT. GRAMINEUS | 3.9 | 3.2 | | | | |
| | | | | | POT. NARROW | 4.5 | 3.3 | | | | |
| | 2 | 312822 | 499992 | 3.0 | CHARA SPP. | 22.8 | 6.7 | 3800 | 1900 | 0.4 | 0.1 |
| | | | | | POT. GRAMINEUS | 1.4 | 1.0 | | | | |
| | | | | | POT. NARROW | 0.3 | 0.2 | | | | |
| | | | | | VALLISNERIA AMER | 0.5 | 0.3 | | | | |
| | 3 | 312822 | 499992 | 3.0 | NITELLA HYALINA | 6.6 | 2.0 | 3800 | 1900 | 0.4 | 0.1 |
| | | | | | POT. GRAMINEUS | 3.0 | 2.4 | | | | |
| | | | | | POT. RICHARDSONI | 23.4 | 2.1 | | | | |
| | | | | | POT. NARROW | 1.0 | 0.7 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JUNE, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | HENNEPIN | 1 | 1 | 314064 | 500665 | 8.5 | POT. NARROW | 40.7 | 28.1 | 4500 | 810 | 0.5 | 0.1 |
| | | | 2 | 314064 | 500665 | 8.5 | POT. NARROW | 38.6 | 23.3 | 4500 | 810 | 0.5 | 0.1 |
| | | | 3 | 314064 | 500665 | 8.5 | POT. NARROW | 44.3 | 29.6 | 4500 | 810 | 0.5 | 0.1 |
| | | 2 | 1 | 314067 | 500672 | 7.0 | POT. NARROW | 34.8 | 22.7 | 4500 | 500 | 0.4 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 1.8 | 1.3 | | | | |
| | | | 2 | 314067 | 500672 | 7.0 | ELODEA CANADENS | 0.1 | 0.0 | 4500 | 500 | 0.4 | 0.1 |
| | | | | | | | POT. ZOSTERIFORM | 2.4 | 1.3 | | | | |
| | | | | | | | POT. NARROW | 41.2 | 27.4 | | | | |
| | | | | | | | SAGITTARIA SPP. | 2.2 | 1.5 | | | | |
| | | | 3 | 314067 | 500672 | 7.0 | POT. NARROW | 42.9 | 28.5 | 4500 | 500 | 0.4 | 0.1 |
| | | | | | | | SAGITTARIA SPP. | 7.3 | 4.9 | | | | |
| | | | 4 | 314059 | 500677 | 9.5 | POT. RICHARDSONI | 43.7 | 29.6 | 2600 | 330 | 1.3 | 0.8 |
| | | | | | | | POT. NARROW | TRACE | | | | | |
| | | | | | | | VALLISNERIA AMER | 1.8 | 1.1 | | | | |
| | | | 5 | 314059 | 500677 | 9.5 | POT. RICHARDSONI | 36.0 | 26.6 | 2600 | 330 | 1.3 | 0.8 |
| | | | | | | | POT. NARROW | 3.4 | 2.1 | | | | |
| | | | | | | | VALLISNERIA AMER | 9.1 | 6.4 | | | | |
| | | | 6 | 314059 | 500677 | 9.5 | POT. RICHARDSONI | 64.1 | 45.8 | 2600 | 330 | 1.3 | 0.8 |
| | | | | | | | POT. NARROW | TRACE | | | | | |
| | | | | | | | VALLISNERIA AMER | 6.4 | 4.6 | | | | |
| | | 3 | 1 | 314075 | 500683 | 7.5 | POT. ZOSTERIFORM | 0.2 | 0.1 | 3900 | 1100 | 0.2 | 0.1 |
| | | | | | | | POT. NARROW | 25.1 | 18.1 | | | | |
| | | | | | | | SAGITTARIA SPP. | 1.4 | 0.9 | | | | |
| | | | | | | | VALLISNERIA AMER | 2.4 | 1.8 | | | | |
| | | | 2 | 314075 | 500683 | 7.5 | POT. NARROW | 22.4 | 15.3 | 3900 | 1100 | 0.2 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 0.3 | 0.2 | | | | |
| | | | 3 | 314075 | 500683 | 7.5 | NITELLA HYALINA | 1.1 | 0.3 | 3900 | 1100 | 0.2 | 0.1 |
| | | | | | | | POT. ZOSTERIFORM | 15.8 | 13.7 | | | | |
| | | | | | | | POT. NARROW | 1.1 | 0.7 | | | | |
| | | | | | | | SAGITTARIA SPP. | 8.3 | 2.8 | | | | |
| | | 4 | 1 | 314089 | 500694 | 8.0 | NITELLA HYALINA | 29.1 | 7.9 | 2500 | 400 | 0.2 | 0.0 |
| | | | | | | | POT. ZOSTERIFORM | 3.5 | 2.2 | | | | |
| | | | | | | | POT. NARROW | 29.4 | 19.0 | | | | |
| | | | | | | | VALLISNERIA AMER | 7.1 | 4.8 | | | | |
| | | | 2 | 314089 | 500694 | 8.0 | CHARA SPP. | 2.8 | 1.0 | 2500 | 400 | 0.2 | 0.0 |
| | | | | | | | POT. NARROW | 26.7 | 18.4 | | | | |
| | | | | | | | VALLISNERIA AMER | 3.7 | 2.7 | | | | |
| | | | 3 | 314089 | 500694 | 8.0 | POT. NARROW | 45.4 | 31.1 | 2500 | 400 | 0.2 | 0.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAGITTARIA SPP. | 6.8 | 4.9 | | | | |
| 5 | 1 | 314075 | 500688 | 7.0 | POT. ZOSTERIFORM | 1.6 | 0.8 | 4000 | 1100 | 0.5 | 0.2 |
| | | | | | POT. NARROW | 14.5 | 9.5 | | | | |
| | | | | | SAGITTARIA SPP. | 2.7 | 2.0 | | | | |
| | 2 | 314075 | 500688 | 7.0 | POT. ZOSTERIFORM | 6.9 | 3.6 | 4000 | 1100 | 0.5 | 0.2 |
| | | | | | VALLISNERIA AMER | 2.8 | 2.0 | | | | |
| | 3 | 314075 | 500688 | 7.0 | NITELLA HYALINA | 10.4 | 4.0 | 4000 | 1100 | 0.5 | 0.2 |
| | | | | | POT. NARROW | 13.8 | 6.9 | | | | |
| | | | | | VALLISNERIA AMER | 1.1 | 0.7 | | | | |
| | 4 | 314066 | 500688 | 9.5 | POT. RICHARDSONI | 22.3 | 59.8 | 2400 | 730 | 1.3 | 0.3 |
| | 5 | 314066 | 500688 | 9.5 | POT. RICHARDSONI | 29.3 | 20.7 | 2400 | 730 | 1.3 | 0.3 |
| | | | | | VALLISNERIA AMER | 2.6 | 1.7 | | | | |
| | 6 | 314066 | 500688 | 9.5 | POT. RICHARDSONI | 26.7 | 18.0 | 2400 | 730 | 1.3 | 0.3 |
| | | | | | POT. ZOSTERIFORM | 2.1 | 0.9 | | | | |
| 6 | 1 | 314080 | 500694 | 7.0 | NITELLA HYALINA | 85.7 | 18.7 | 3500 | 1100 | 0.5 | 0.3 |
| | | | | | POT. NARROW | 13.1 | 8.4 | | | | |
| | 2 | 314080 | 500694 | 7.0 | NITELLA HYALINA | 2.8 | 1.0 | 3500 | 1100 | 0.5 | 0.3 |
| | | | | | POT. NARROW | 4.8 | 3.6 | | | | |
| | 3 | 314080 | 500694 | 7.0 | NITELLA HYALINA | 3.0 | 0.5 | 3500 | 1100 | 0.5 | 0.3 |
| | | | | | POT. NARROW | 2.2 | 1.6 | | | | |
| 7 | 1 | 314096 | 500706 | 7.5 | VALLISNERIA AMER | 6.8 | 5.1 | 2600 | 1000 | 0.3 | 0.1 |
| | 2 | 314096 | 500706 | 7.5 | POT. ZOSTERIFORM | 11.3 | 0.4 | 2600 | 1000 | 0.3 | 0.1 |
| | | | | | VALLISNERIA AMER | 11.1 | 7.2 | | | | |
| | 3 | 314096 | 500706 | 7.5 | NITELLA HYALINA | 6.3 | 1.8 | 2600 | 1000 | 0.3 | 0.1 |
| | | | | | POT. ZOSTERIFORM | 0.6 | 0.4 | | | | |
| | | | | | VALLISNERIA AMER | 4.1 | 3.1 | | | | |
| 8 | 1 | 314078 | 500706 | 6.0 | NITELLA HYALINA | 0.8 | 0.4 | 4100 | 1000 | 0.1 | 0.0 |
| | | | | | POT. NARROW | 46.1 | 34.3 | | | | |
| | 2 | 314078 | 500706 | 6.0 | NITELLA HYALINA | 4.5 | 1.6 | 4100 | 1000 | 0.1 | 0.0 |
| | | | | | POT. NARROW | 37.5 | 22.6 | | | | |
| | 3 | 314078 | 500706 | 6.0 | CHARA SPP. | 0.9 | 0.2 | 4100 | 1000 | 0.1 | 0.0 |
| | | | | | POT. NARROW | 55.9 | 30.8 | | | | |
| | 4 | 314079 | 500709 | 9.0 | POT. RICHARDSONI | 8.6 | 6.6 | 3000 | 650 | 0.4 | 0.2 |
| | | | | | POT. ZOSTERIFORM | 5.5 | 2.8 | | | | |
| | | | | | VALLISNERIA AMER | 2.3 | 1.3 | | | | |
| | 5 | 314079 | 500709 | 9.0 | POT. RICHARDSONI | 2.6 | 1.6 | 3000 | 650 | 0.4 | 0.2 |
| | | | | | POT. ZOSTERIFORM | 1.0 | 0.1 | | | | |
| | | | | | VALLISNERIA AMER | 7.5 | 5.4 | | | | |
| | 6 | 314079 | 500709 | 9.0 | POT. RICHARDSONI | 4.8 | 3.8 | 3000 | 650 | 0.4 | 0.2 |
| | | | | | POT. NARROW | 0.4 | 0.2 | | | | |
| 9 | 1 | 314092 | 500710 | 6.5 | NITELLA HYALINA | 28.4 | 8.1 | 3100 | 1100 | 0.1 | 0.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. NARROW | 8.8 | 6.5 | | | | |
| | 2 | 314092 | 500710 | 6.5 | POT. NARROW | 17.1 | 3.6 | 3100 | 1100 | 0.1 | 0.0 |
| | | | | | VALLISNERIA AMER | 0.8 | 0.4 | | | | |
| | 3 | 314092 | 500710 | 6.5 | POT. NARROW | 19.3 | 13.3 | 3100 | 1100 | 0.1 | 0.0 |
| 10 | 1 | 314103 | 500718 | 10.0 | POT. ZOSTERIFORM | 0.5 | 0.2 | 3500 | 530 | 0.4 | 0.1 |
| | 2 | 314103 | 500718 | 10.0 | POT. NARROW | 1.2 | 0.6 | 3500 | 530 | 0.4 | 0.1 |
| | 3 | 314103 | 500718 | 10.0 | CHARA SPP. | 0.3 | 0.1 | 3500 | 530 | 0.4 | 0.1 |
| | | | | | POT. NARROW | 1.1 | 0.7 | | | | |
| 11 | 1 | 314088 | 500718 | 7.0 | POT. RICHARDSONI | 9.9 | 6.5 | 4000 | 180 | 0.1 | 0.1 |
| | | | | | POT. ZOSTERIFORM | 2.7 | 1.7 | | | | |
| | | | | | POT. NARROW | 3.9 | 2.8 | | | | |
| | 2 | 314088 | 500718 | 7.0 | POT. RICHARDSONI | 2.5 | 1.6 | 4000 | 180 | 0.1 | 0.1 |
| | | | | | POT. ZOSTERIFORM | 1.5 | 0.9 | | | | |
| | | | | | POT. NARROW | 14.2 | 9.2 | | | | |
| | | | | | VALLISNERIA AMER | 2.4 | 1.8 | | | | |
| | 3 | 314088 | 500718 | 7.0 | POT. RICHARDSONI | 21.1 | 5.8 | 4000 | 180 | 0.1 | 0.1 |
| | | | | | POT. ZOSTERIFORM | 1.1 | 0.6 | | | | |
| | | | | | POT. NARROW | 45.9 | 28.5 | | | | |
| | | | | | VALLISNERIA AMER | 0.1 | 0.1 | | | | |
| | 4 | 314094 | 500723 | 7.0 | NITELLA HYALINA | 75.4 | 25.1 | 3200 | 1000 | 0.5 | 0.3 |
| | | | | | POT. ZOSTERIFORM | 3.7 | 2.5 | | | | |
| | | | | | POT. NARROW | 6.7 | 4.2 | | | | |
| | | | | | SAGITTARIA SPP. | 0.8 | 0.5 | | | | |
| | | | | | VALLISNERIA AMER | 6.7 | 4.6 | | | | |
| | 5 | 314094 | 500723 | 7.0 | NITELLA HYALINA | 55.2 | 23.0 | 3200 | 1000 | 0.5 | 0.3 |
| | | | | | POT. NARROW | 8.9 | 5.0 | | | | |
| | | | | | VALLISNERIA AMER | 6.0 | 4.5 | | | | |
| | 6 | 314094 | 500723 | 7.0 | NITELLA HYALINA | 46.1 | 17.2 | 3200 | 1000 | 0.5 | 0.3 |
| | | | | | POT. NARROW | 18.4 | 12.5 | | | | |
| | | | | | VALLISNERIA AMER | 7.6 | 5.7 | | | | |
| 12 | 1 | 314098 | 500728 | 8.0 | NITELLA HYALINA | 43.8 | 13.7 | 3800 | 350 | 0.1 | 0.1 |
| | | | | | POT. ZOSTERIFORM | 1.0 | 0.5 | | | | |
| | | | | | POT. NARROW | 18.4 | 11.5 | | | | |
| | | | | | VALLISNERIA AMER | 0.2 | 0.2 | | | | |
| | 2 | 314098 | 500728 | 8.0 | NITELLA HYALINA | 44.6 | 13.3 | 3800 | 350 | 0.1 | 0.1 |
| | | | | | POT. ZOSTERIFORM | 6.6 | 3.7 | | | | |
| | | | | | VALLISNERIA AMER | 7.1 | 5.9 | | | | |
| | 3 | 314098 | 500728 | 8.0 | CHARA SPP. | 64.5 | 15.6 | 3800 | 350 | 0.1 | 0.1 |
| | | | | | POT. NARROW | 2.9 | 1.7 | | | | |
| | | | | | VALLISNERIA AMER | 3.0 | 2.1 | | | | |
| | 4 | 314098 | 500729 | 8.5 | NITELLA HYALINA | 43.6 | 15.0 | 2200 | 360 | 0.2 | 0.0 |
| | | | | | POT. RICHARDSONI | 9.9 | 8.1 | | | | |
| | | | | | POT. ZOSTERIFORM | 4.1 | 2.6 | | | | |
| | | | | | SAGITTARIA SPP. | 7.6 | 0.6 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 314098 | 500729 | 8.5 | CHARA SPP. | 37.8 | 12.7 | 2200 | 360 | 0.2 | 0.0 |
| | | | | | POT. RICHARDSONI | 21.7 | 15.8 | | | | |
| | | | | | POT. NARROW | 5.0 | 3.0 | | | | |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| | 6 | 314098 | 500729 | 8.5 | NITELLA HYALINA | 58.4 | 22.1 | 2200 | 360 | 0.2 | 0.0 |
| | | | | | POT. RICHARDSONI | 12.0 | 8.7 | | | | |
| | | | | | POT. ZOSTERIFORM | 1.2 | 0.8 | | | | |
| | | | | | SAGITTARIA SPP. | 4.3 | 3.2 | | | | |
| | | | | | VALLISNERIA AMER | 3.6 | 2.7 | | | | |
| 13 | 1 | 314100 | 500735 | 12.5 | VALLISNERIA AMER | 6.5 | 4.6 | 3500 | 300 | 1.5 | 0.2 |
| | 2 | 314100 | 500735 | 12.5 | POT. NARROW | 0.2 | 0.1 | 3500 | 300 | 1.5 | 0.2 |
| | | | | | VALLISNERIA AMER | 5.7 | 3.7 | | | | |
| | 3 | 314100 | 500735 | 12.5 | VALLISNERIA AMER | 9.5 | 6.7 | 3500 | 300 | 1.5 | 0.2 |
| 14 | 1 | 314109 | 500741 | 9.0 | CHARA SPP. | 1.3 | 0.5 | 4300 | 460 | 0.4 | 0.2 |
| | | | | | POT. NARROW | 0.6 | 0.3 | | | | |
| | | | | | VALLISNERIA AMER | 4.5 | 2.9 | | | | |
| | 2 | 314109 | 500741 | 9.0 | NITELLA HYALINA | 4.6 | 1.8 | 4300 | 460 | 0.4 | 0.2 |
| | | | | | POT. ZOSTERIFORM | 1.0 | 0.5 | | | | |
| | | | | | SAGITTARIA SPP. | 5.5 | 0.3 | | | | |
| | 3 | 314109 | 500741 | 9.0 | NITELLA HYALINA | 1.6 | 0.8 | 4300 | 460 | 0.4 | 0.2 |
| | | | | | POT. ZOSTERIFORM | 2.1 | 1.3 | | | | |
| | | | | | VALLISNERIA AMER | 2.1 | 1.5 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JUNE, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | STONY | 1 | 1 | 314227 | 500982 | 8.0 | POT. NARROW | 0.7 | 0.4 | 4000 | 120 | 1.5 | 1.2 |
| | | | | | | | VALLISNERIA AMER | 16.1 | 10.0 | | | | |
| | | | 2 | 314227 | 500982 | 8.0 | POT. NARROW | 1.2 | 0.8 | 4000 | 120 | 1.5 | 1.2 |
| | | | | | | | VALLISNERIA AMER | 4.5 | 3.0 | | | | |
| | | | 3 | 314227 | 500982 | 8.0 | POT. NARROW | 1.2 | 0.8 | 4000 | 120 | 1.5 | 1.2 |
| | | | | | | | VALLISNERIA AMER | 10.6 | 6.3 | | | | |
| | | 2 | 1 | 314217 | 500977 | 8.0 | MYRIO. SPICATUM | 0.4 | 0.2 | 4100 | 150 | 1.1 | 0.2 |
| | | | | | | | NITELLA HYALINA | 3.1 | 0.7 | | | | |
| | | | | | | | POT. NARROW | 1.6 | 0.7 | | | | |
| | | | | | | | VALLISNERIA AMER | 15.4 | 8.7 | | | | |
| | | | 2 | 314217 | 500977 | 8.0 | POT. NARROW | 4.0 | 2.4 | 4100 | 150 | 1.1 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 5.6 | 3.7 | | | | |
| | | | 3 | 314217 | 500977 | 8.0 | POT. NARROW | 3.5 | 1.8 | 4100 | 150 | 1.1 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 5.0 | 3.4 | | | | |
| | | 3 | 1 | 314207 | 500976 | 8.0 | POT. CRISPUS | 0.2 | 0.1 | 3700 | 160 | 0.6 | 0.6 |
| | | | | | | | POT. NARROW | 0.2 | 0.1 | | | | |
| | | | | | | | VALLISNERIA AMER | 2.7 | 1.7 | | | | |
| | | | 2 | 314207 | 500976 | 8.0 | POT. CRISPUS | TRACE | | 3700 | 160 | 0.6 | 0.6 |
| | | | | | | | VALLISNERIA AMER | 15.4 | 11.2 | | | | |
| | | | 3 | 314207 | 500976 | 8.0 | VALLISNERIA AMER | 2.1 | 1.4 | 3700 | 160 | 0.6 | 0.6 |
| | | 4 | 1 | 314200 | 500975 | 10.0 | VALLISNERIA AMER | 6.1 | 4.5 | 3500 | 71 | 0.2 | 0.0 |
| | | | 2 | 314200 | 500975 | 10.0 | VALLISNERIA AMER | 4.2 | 2.4 | 3500 | 71 | 0.2 | 0.0 |
| | | | 3 | 314200 | 500975 | 10.0 | POT. CRISPUS | 3.6 | 2.0 | 3500 | 71 | 0.2 | 0.0 |
| | | 5 | 1 | 314228 | 500984 | 8.0 | VALLISNERIA AMER | 1.5 | 1.1 | 4000 | 180 | 1.3 | 0.6 |
| | | | | | | | BUTOMUS UMBELLAT | 107.6 | 54.5 | | | | |
| | | | 2 | 314228 | 500984 | 8.0 | POT. NARROW | 1.6 | 0.9 | 4000 | 180 | 1.3 | 0.6 |
| | | | | | | | VALLISNERIA AMER | 16.3 | 10.2 | | | | |
| | | | | | | | BUTOMUS UMBELLAT | 0.9 | 0.6 | | | | |
| | | | 3 | 314228 | 500984 | 8.0 | POT. NARROW | 3.7 | 2.4 | 4000 | 180 | 1.3 | 0.6 |
| | | | | | | | VALLISNERIA AMER | 11.2 | 7.6 | | | | |
| | | 6 | 1 | 314224 | 500988 | 4.0 | ELODEA CANADENS | 233.2 | 159.4 | 4200 | 1 | 0.0 | 0.0 |
| | | | | | | | MYRIO. SPICATUM | 12.6 | 8.2 | | | | |
| | | | | | | | POT. CRISPUS | 7.3 | 5.1 | | | | |
| | | | 2 | 314224 | 500988 | 4.0 | ELODEA CANADENS | 606.6 | 487.4 | 4200 | 1 | 0.0 | 0.0 |
| | | | | | | | NITELLA HYALINA | TRACE | | | | | |
| | | | | | | | POT. CRISPUS | 12.9 | 2.5 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 314224 | 500988 | 4.0 | ELODEA CANADENS | 287.2 | 208.6 | 4200 | 1 | 0.0 | 0.0 |
| | 4 | 314221 | 500985 | 4.0 | ELODEA CANADENS | 59.3 | 42.8 | 3500 | 1 | 0.0 | 0.0 |
| | | | | | POT. CRISPUS | 119.5 | 86.0 | | | | |
| | 5 | 314221 | 500985 | 4.0 | ELODEA CANADENS | 43.7 | 30.7 | 3500 | 1 | 0.0 | 0.0 |
| | | | | | POT. CRISPUS | 121.7 | 82.8 | | | | |
| | 6 | 314221 | 500985 | 4.0 | ELODEA CANADENS | 13.4 | 9.7 | 3500 | 1 | 0.0 | 0.0 |
| | | | | | POT. CRISPUS | 154.8 | 116.8 | | | | |
| 7 | 1 | 314233 | 500994 | 5.5 | POT. CRISPUS | 82.6 | 63.6 | 3500 | 200 | 0.9 | 0.4 |
| | | | | | POT. NARROW | TRACE | | | | | |
| | 2 | 314233 | 500994 | 5.5 | HETERANTHERA DUB | 6.7 | 3.9 | 3500 | 200 | 0.9 | 0.4 |
| | | | | | POT. CRISPUS | 227.7 | 134.3 | | | | |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| | 3 | 314233 | 500994 | 5.5 | POT. CRISPUS | 242.4 | 183.7 | 3500 | 200 | 0.9 | 0.4 |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| 8 | 1 | 314213 | 500985 | 4.0 | ELODEA CANADENS | 286.6 | 221.8 | 3800 | 53 | 0.0 | 0.0 |
| | | | | | POT. CRISPUS | 116.0 | 92.3 | | | | |
| | 2 | 314213 | 500985 | 4.0 | ELODEA CANADENS | 21.3 | 15.9 | 3800 | 53 | 0.0 | 0.0 |
| | | | | | POT. CRISPUS | 227.6 | 196.5 | | | | |
| | 3 | 314213 | 500985 | 4.0 | ELODEA CANADENS | 14.0 | 9.8 | 3800 | 53 | 0.0 | 0.0 |
| | | | | | MYRIO. SPICATUM | 0.5 | 0.3 | | | | |
| | | | | | POT. CRISPUS | 298.0 | 201.7 | | | | |
| 9 | 1 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | 2 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | 3 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| 10 | 1 | 314230 | 500995 | 4.0 | ELODEA CANADENS | 1.5 | 0.9 | 3000 | 4 | 0.1 | 0.0 |
| | | | | | HETERANTHERA DUB | 4.5 | 3.0 | | | | |
| | | | | | POT. CRISPUS | 180.2 | 111.2 | | | | |
| | 2 | 314230 | 500995 | 4.0 | POT. CRISPUS | 210.0 | 115.1 | 3000 | 4 | 0.1 | 0.0 |
| | 3 | 314230 | 500995 | 4.0 | ELODEA CANADENS | TRACE | | 3000 | 4 | 0.1 | 0.0 |
| | | | | | MYRIO. SPICATUM | TRACE | | | | | |
| | | | | | POT. CRISPUS | 98.3 | 75.8 | | | | |
| 11 | 1 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | 2 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |
| | 3 | - | - | - | NO PLANTS PRESENT | | | - | - | - | - |

SUBMERSED MACROPHYTE PONAR DATA, JULY-AUGUST, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | STAG | 1 | 1 | 309021 | 497380 | 12.0 | NO PLANTS PRESENT | | | 3500 | 1500 | 2.9 | 2.6 |
| | | | 2 | 309021 | 497380 | 12.0 | NO PLANTS PRESENT | | | 3500 | 1500 | 2.9 | 2.6 |
| | | | 3 | 309021 | 497380 | 12.0 | NO PLANTS PRESENT | | | 3500 | 1500 | 2.9 | 2.6 |
| | | 2 | 1 | 309037 | 497386 | 12.5 | NO PLANTS PRESENT | | | 3100 | 1100 | 2.8 | 2.5 |
| | | | 2 | 309037 | 497386 | 12.5 | NO PLANTS PRESENT | | | 3100 | 1100 | 2.8 | 2.5 |
| | | | 3 | 309037 | 497386 | 12.5 | NO PLANTS PRESENT | | | 3100 | 1100 | 2.8 | 2.5 |
| | | 3 | 1 | 309023 | 497386 | 11.0 | NO PLANTS PRESENT | | | 3300 | 1200 | 2.8 | 2.3 |
| | | | 2 | 309023 | 497386 | 11.0 | NO PLANTS PRESENT | | | 3300 | 1200 | 2.8 | 2.3 |
| | | | 3 | 309023 | 497386 | 11.0 | NO PLANTS PRESENT | | | 3300 | 1200 | 2.8 | 2.3 |
| | | 4 | 1 | 309039 | 497392 | 12.0 | NO PLANTS PRESENT | | | 3100 | 1100 | 2.9 | 2.5 |
| | | | 2 | 309039 | 497392 | 12.0 | NO PLANTS PRESENT | | | 3100 | 1100 | 2.9 | 2.5 |
| | | | 3 | 309039 | 497392 | 12.0 | NO PLANTS PRESENT | | | 3100 | 1100 | 2.9 | 2.5 |
| | | 5 | 1 | 309034 | 497393 | 9.0 | NO PLANTS PRESENT | | | 3500 | 2100 | 2.8 | 2.2 |
| | | | 2 | 309034 | 497393 | 9.0 | NO PLANTS PRESENT | | | 3500 | 2100 | 2.8 | 2.2 |
| | | | 3 | 309034 | 497393 | 9.0 | NO PLANTS PRESENT | | | 3500 | 2100 | 2.8 | 2.2 |
| | | 6 | 1 | 309040 | 497399 | 4.0 | CHARA SPP. | 414.2 | 131.0 | 4200 | 1300 | 1.6 | 1.2 |
| | | | | | | | POT. GRAMINEUS | 17.5 | 10.6 | | | | |
| | | | | | | | POT. NARROW | 34.1 | 11.8 | | | | |
| | | | 2 | 309040 | 497399 | 4.0 | CHARA SPP. | 311.8 | 74.5 | 4200 | 1300 | 1.6 | 1.2 |
| | | | | | | | POT. GRAMINEUS | 2.6 | 2.1 | | | | |
| | | | 3 | 309040 | 497399 | 4.0 | CHARA SPP. | 314.7 | 85.6 | 4200 | 1300 | 1.6 | 1.2 |
| | | | | | | | POT. GRAMINEUS | 27.6 | 19.9 | | | | |
| | | 7 | 1 | 309034 | 497400 | 6.0 | CHARA SPP. | 4.8 | 1.7 | 4700 | 28 | 0.8 | 0.1 |
| | | | | | | | ELODEA CANADENS | 37.8 | 20.0 | | | | |
| | | | | | | | MYRIO. SPICATUM | 8.5 | 6.3 | | | | |
| | | | | | | | POT. RICHARDSONI | 16.3 | 11.7 | | | | |
| | | | | | | | POT. NARROW | 27.6 | 18.5 | | | | |
| | | | 2 | 309034 | 497400 | 6.0 | CHARA SPP. | 2.1 | 1.0 | 4700 | 28 | 0.8 | 0.1 |
| | | | | | | | ELODEA CANADENS | 23.1 | 16.1 | | | | |
| | | | | | | | MYRIO. SPICATUM | 20.7 | 16.8 | | | | |
| | | | | | | | POT. RICHARDSONI | 41.5 | 32.3 | | | | |
| | | | | | | | POT. NARROW | 70.2 | 56.3 | | | | |
| | | | 3 | 309034 | 497400 | 6.0 | CHARA SPP. | 1.5 | 0.7 | 4700 | 28 | 0.8 | 0.1 |
| | | | | | | | ELODEA CANADENS | 15.0 | 10.3 | | | | |
| | | | | | | | MYRIO. SPICATUM | 3.6 | 2.6 | | | | |
| | | | | | | | POT. RICHARDSONI | 18.3 | 9.5 | | | | |
| | | | | | | | POT. NARROW | 143.2 | 113.7 | | | | |
| | | | 4 | 309034 | 497400 | 5.0 | ELODEA CANADENS | 0.5 | 0.4 | 4500 | 1000 | 0.8 | 0.0 |
| | | | | | | | POT. RICHARDSONI | 9.3 | 7.9 | | | | |
| | | | | | | | POT. NARROW | 48.5 | 40.4 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 309034 | 497400 | 5.0 | CHARA SPP. | 1.1 | 0.4 | 4500 | 1000 | 0.8 | 0.0 |
| | | | | | POT. RICHARDSONI | 110.6 | 84.6 | | | | |
| | | | | | POT. NARROW | 60.2 | 44.8 | | | | |
| | 6 | 309034 | 497400 | 5.0 | ELODEA CANADENS | 211.5 | 61.7 | 4500 | 1000 | 0.8 | 0.0 |
| | | | | | POT. RICHARDSONI | 191.2 | 71.3 | | | | |
| | | | | | POT. NARROW | 104.3 | 76.2 | | | | |
| | 7 | 309033 | 497402 | 3.0 | CHARA SPP. | 277.6 | 81.2 | 2700 | 2600 | 1.2 | 1.0 |
| | | | | | POT. NARROW | 1.2 | 0.8 | | | | |
| | 8 | 309033 | 497402 | 3.0 | CHARA SPP. | 94.2 | 24.7 | 2700 | 2600 | 1.2 | 1.0 |
| | | | | | POT. GRAMINEUS | 4.2 | 2.6 | | | | |
| | | | | | ZANN. PALUSTRIS | 2.3 | 1.7 | | | | |
| | 9 | 309033 | 497402 | 3.0 | CHARA SPP. | 601.4 | 115.3 | 2700 | 2600 | 1.2 | 1.0 |
| | | | | | POT. NARROW | TRACE | | | | | |
| 8 | 1 | 309042 | 497404 | 5.1 | ELODEA CANADENS | 5.5 | 4.2 | 4300 | 73 | 0.2 | 0.1 |
| | | | | | MYRIO. SPICATUM | 145.2 | 115.5 | | | | |
| | 2 | 309042 | 497404 | 5.1 | MYRIO. SPICATUM | 80.8 | 46.5 | 4300 | 73 | 0.2 | 0.1 |
| | | | | | POT. RICHARDSONI | 21.4 | 17.8 | | | | |
| | 3 | 309042 | 497404 | 5.1 | ELODEA CANADENS | 0.5 | 0.2 | 4300 | 73 | 0.2 | 0.1 |
| | | | | | MYRIO. SPICATUM | 28.4 | 17.7 | | | | |
| | | | | | POT. RICHARDSONI | 91.3 | 69.3 | | | | |
| | | | | | POT. NARROW | 11.6 | 9.3 | | | | |
| | 4 | 309047 | 497406 | 7.1 | CHARA SPP. | 276.4 | 184.0 | 4200 | 1800 | 1.2 | 0.5 |
| | | | | | POT. RICHARDSONI | 5.3 | 4.1 | | | | |
| | | | | | POT. NARROW | 19.0 | 14.5 | | | | |
| | 5 | 309047 | 497406 | 7.1 | CHARA SPP. | 0.2 | 0.1 | 4200 | 1800 | 1.2 | 0.5 |
| | | | | | POT. NARROW | 15.0 | 12.1 | | | | |
| | 6 | 309047 | 497406 | 7.1 | NITELLA HYALINA | 0.4 | 0.1 | 4200 | 1800 | 1.2 | 0.5 |
| | | | | | POT. RICHARDSONI | 29.9 | 23.5 | | | | |
| | | | | | POT. NARROW | 16.2 | 12.5 | | | | |
| 9 | 1 | 309039 | 497406 | 8.6 | POT. CRISPUS | 29.4 | 20.8 | 4900 | 750 | 0.1 | 0.1 |
| | | | | | POT. RICHARDSONI | 9.4 | 7.9 | | | | |
| | 2 | 309039 | 497406 | 8.6 | ELODEA CANADENS | 2.1 | 1.4 | 4900 | 750 | 0.1 | 0.1 |
| | | | | | POT. CRISPUS | 62.1 | 55.0 | | | | |
| | | | | | POT. RICHARDSONI | 5.4 | 3.9 | | | | |
| | 3 | 309039 | 497406 | 8.6 | ELODEA CANADENS | 12.2 | 8.8 | 4900 | 750 | 0.1 | 0.1 |
| | | | | | POT. CRISPUS | 47.8 | 40.0 | | | | |
| | 4 | 309036 | 497405 | 10.0 | ELODEA CANADENS | 180.0 | 79.7 | 3000 | 180 | 0.7 | 0.1 |
| | | | | | NITELLA HYALINA | 5.4 | 2.1 | | | | |
| | 5 | 309036 | 497405 | 10.0 | CHARA SPP. | 9.4 | 3.9 | 3000 | 180 | 0.7 | 0.1 |
| | | | | | ELODEA CANADENS | 97.0 | 65.9 | | | | |
| | | | | | MYRIO. SPICATUM | 4.8 | 3.6 | | | | |
| | | | | | POT. RICHARDSONI | 27.8 | 20.6 | | | | |
| | 6 | 309036 | 497405 | 10.0 | CHARA SPP. | 3.8 | 1.5 | 3000 | 180 | 0.7 | 0.1 |
| | | | | | ELODEA CANADENS | 232.9 | 119.7 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 309040 | 497402 | 3.0 | CHARA SPP. | 50.4 | 19.3 | 4000 | 3500 | 0.1 | 0.1 |
| | 8 | 309040 | 497402 | 3.0 | CHARA SPP. | 145.0 | 43.3 | 4000 | 3500 | 0.1 | 0.1 |
| | 9 | 309040 | 497402 | 3.0 | CHARA SPP. | 67.0 | 24.8 | 4000 | 3500 | 0.1 | 0.1 |
| | | | | | ELODEA CANADENS | 1.0 | 0.2 | | | | |
| 10 | 1 | 309056 | 497414 | 6.5 | ELODEA CANADENS | 17.4 | 13.2 | 820 | 110 | 1.3 | 0.0 |
| | | | | | NITELLA HYALINA | 17.1 | 3.8 | | | | |
| | | | | | POT. RICHARDSONI | 89.8 | 66.2 | | | | |
| | 2 | 309056 | 497414 | 6.5 | ELODEA CANADENS | 50.5 | 21.5 | 820 | 110 | 1.3 | 0.0 |
| | | | | | POT. RICHARDSONI | 260.2 | 119.7 | | | | |
| | 3 | 309056 | 497414 | 6.5 | CHARA SPP. | 4.3 | 1.5 | 820 | 110 | 1.3 | 0.0 |
| | | | | | ELODEA CANADENS | 39.8 | 27.8 | | | | |
| | | | | | POT. RICHARDSONI | 114.1 | 79.8 | | | | |
| | | | | | POT. NARROW | 1.2 | 0.7 | | | | |
| 11 | 1 | 309047 | 497408 | 5.5 | CHARA SPP. | 0.1 | 0.0 | 4400 | 1500 | 0.8 | 0.5 |
| | | | | | ELODEA CANADENS | 0.5 | 0.4 | | | | |
| | | | | | NAJAS FLEXILIS | TRACE | | | | | |
| | | | | | POT. CRISPUS | 0.1 | 0.1 | | | | |
| | | | | | POT. RICHARDSONI | 66.2 | 32.3 | | | | |
| | | | | | POT. NARROW | 41.4 | 33.2 | | | | |
| | 2 | 309047 | 497408 | 5.5 | ELODEA CANADENS | 2.3 | 1.1 | 4400 | 1500 | 0.8 | 0.5 |
| | | | | | NITELLA HYALINA | 1.4 | 0.6 | | | | |
| | | | | | POT. RICHARDSONI | 59.6 | 37.9 | | | | |
| | | | | | POT. NARROW | 115.4 | 86.2 | | | | |
| | 3 | 309047 | 497408 | 5.5 | CHARA SPP. | 1.2 | 0.5 | 4400 | 1500 | 0.8 | 0.5 |
| | | | | | ELODEA CANADENS | 1.8 | 1.3 | | | | |
| | | | | | POT. RICHARDSONI | 69.0 | 54.3 | | | | |
| | | | | | POT. NARROW | 32.5 | 25.8 | | | | |
| | 4 | 309054 | 497411 | 7.0 | CHARA SPP. | 40.5 | 8.0 | 1100 | 530 | 1.0 | 0.6 |
| | 5 | 309054 | 497411 | 7.0 | CHARA SPP. | 201.2 | 24.7 | 1100 | 530 | 1.0 | 0.6 |
| | 6 | 309054 | 497411 | 7.0 | CHARA SPP. | 256.9 | 27.4 | 1100 | 530 | 1.0 | 0.6 |
| | 7 | 309047 | 497412 | 6.5 | ELODEA CANADENS | 88.1 | 54.8 | 750 | 320 | 0.6 | 0.0 |
| | | | | | MYRIO. SPICATUM | 30.8 | 21.7 | | | | |
| | | | | | POT. NARROW | 89.5 | 68.4 | | | | |
| | 8 | 309047 | 497412 | 6.5 | ELODEA CANADENS | 267.2 | 137.2 | 750 | 320 | 0.6 | 0.0 |
| | | | | | POT. NARROW | 39.3 | 25.8 | | | | |
| | 9 | 309047 | 497412 | 6.5 | ELODEA CANADENS | 62.7 | 35.8 | 750 | 320 | 0.6 | 0.0 |
| | | | | | MYRIO. SPICATUM | 0.8 | 0.5 | | | | |
| | | | | | POT. NARROW | 100.6 | 66.6 | | | | |
| 12 | 1 | 309040 | 497409 | 3.0 | CHARA SPP. | 239.6 | 46.1 | 5100 | 3600 | 0.2 | 0.0 |
| | 2 | 309040 | 497409 | 3.0 | CHARA SPP. | 213.8 | 49.3 | 5100 | 3600 | 0.2 | 0.0 |
| | 3 | 309040 | 497409 | 3.0 | CHARA SPP. | 120.0 | 46.4 | 5100 | 3600 | 0.2 | 0.0 |
| | | | | | VALLISNERIA AMER | 1.4 | 1.0 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 309044 | 497411 | 5.3 | ELODEA CANADENS | 6.2 | 4.1 | 570 | 230 | 0.2 | 0.0 |
| | | | | | MYRIO. SPICATUM | 72.9 | 50.4 | | | | |
| | 5 | 309044 | 497411 | 5.3 | ELODEA CANADENS | 23.5 | 14.8 | 570 | 230 | 0.2 | 0.0 |
| | | | | | MYRIO. SPICATUM | 83.7 | 43.9 | | | | |
| | | | | | POT. CRISPUS | 0.7 | 0.5 | | | | |
| | 6 | 309044 | 497411 | 5.3 | ELODEA CANADENS | 63.1 | 47.6 | 570 | 230 | 0.2 | 0.0 |
| | | | | | MYRIO. SPICATUM | 7.7 | 4.4 | | | | |
| | | | | | NITELLA HYALINA | TRACE | | | | | |
| 13 | 1 | 309058 | 497413 | 12.0 | ELODEA CANADENS | 2.1 | 1.3 | 750 | 250 | 1.0 | 0.0 |
| | | | | | NITELLA HYALINA | 318.8 | 117.5 | | | | |
| | | | | | POT. RICHARDSONI | 5.1 | 4.1 | | | | |
| | 2 | 309058 | 497413 | 12.0 | ELODEA CANADENS | 96.8 | 66.3 | 750 | 250 | 1.0 | 0.0 |
| | | | | | NITELLA HYALINA | 235.7 | 189.7 | | | | |
| | | | | | POT. RICHARDSONI | 26.1 | 20.7 | | | | |
| | 3 | 309058 | 497413 | 12.0 | NITELLA HYALINA | 298.8 | 108.1 | 750 | 250 | 1.0 | 0.0 |
| | | | | | POT. RICHARDSONI | 34.6 | 24.0 | | | | |
| | 4 | 309057 | 497413 | 11.0 | CHARA SPP. | 2.3 | 1.6 | 1300 | 150 | 1.0 | 0.1 |
| | | | | | POT. RICHARDSONI | 15.3 | 12.6 | | | | |
| | | | | | POT. NARROW | 11.3 | 9.0 | | | | |
| | 5 | 309057 | 497413 | 11.0 | POT. RICHARDSONI | 58.2 | 37.7 | 1300 | 150 | 1.0 | 0.1 |
| | | | | | POT. NARROW | 38.6 | 29.2 | | | | |
| | 6 | 309057 | 497413 | 11.0 | NITELLA HYALINA | 8.3 | 5.5 | 1300 | 150 | 1.0 | 0.1 |
| | | | | | POT. RICHARDSONI | 25.3 | 20.3 | | | | |
| | | | | | POT. NARROW | 4.9 | 3.6 | | | | |
| | | | | | VALLISNERIA AMER | 12.1 | 8.1 | | | | |
| 14 | 1 | 309069 | 497423 | 7.1 | CHARA SPP. | 3.9 | 1.4 | 650 | 430 | 2.1 | 1.6 |
| | 2 | 309069 | 497423 | 7.1 | CHARA SPP. | 6.7 | 2.4 | 650 | 430 | 2.1 | 1.6 |
| | 3 | 309069 | 497423 | 7.1 | CHARA SPP. | 34.6 | 10.3 | 650 | 430 | 2.1 | 1.6 |
| | | | | | POT. NARROW | 3.6 | 1.2 | | | | |
| 15 | 1 | 309075 | 497427 | 3.5 | POT. NARROW | 17.7 | 12.6 | 650 | 420 | 1.9 | 1.2 |
| | 2 | 309075 | 497427 | 3.5 | CHARA SPP. | 5.5 | 2.0 | 650 | 420 | 1.9 | 1.2 |
| | | | | | POT. NARROW | 4.3 | 2.8 | | | | |
| | 3 | 309075 | 497427 | 3.5 | POT. NARROW | 16.4 | 11.5 | 650 | 420 | 1.9 | 1.2 |
| | 4 | 309074 | 497432 | 2.2 | CHARA SPP. | 198.1 | 54.4 | 620 | 400 | 1.5 | 0.8 |
| | 5 | 309074 | 497432 | 2.2 | CHARA SPP. | 281.9 | 76.2 | 620 | 400 | 1.5 | 0.8 |
| | 6 | 309074 | 497432 | 2.2 | CHARA SPP. | 314.9 | 85.4 | 620 | 400 | 1.5 | 0.8 |

SUBMERSED MACROPHYTE PONAR DATA, JULY-AUGUST, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | FAWN | 1 | 1 | 309569 | 498249 | 11.5 | NITELLA HYALINA | 1.1 | 0.4 | 1800 | 650 | 2.3 | 1.7 |
| | | | | | | | POT. NARROW | 31.5 | 20.4 | | | | |
| | | | 2 | 309569 | 498249 | 11.5 | NITELLA HYALINA | 2.3 | 0.6 | 1800 | 650 | 2.3 | 1.7 |
| | | | | | | | POT. NARROW | 69.2 | 51.7 | | | | |
| | | | 3 | 309569 | 498249 | 11.5 | POT. NARROW | 76.3 | 57.7 | 1800 | 650 | 2.3 | 1.7 |
| | | 2 | 1 | 309572 | 498258 | 8.4 | CHARA SPP. | 109.2 | 27.7 | 4100 | 410 | 1.6 | 0.4 |
| | | | | | | | POT. GRAMINEUS | 15.6 | 3.4 | | | | |
| | | | | | | | POT. RICHARDSONI | 34.5 | 33.5 | | | | |
| | | | | | | | POT. NARROW | 0.8 | 0.5 | | | | |
| | | | 2 | 309572 | 498258 | 8.4 | NITELLA HYALINA | 3.8 | 1.4 | 4100 | 410 | 1.6 | 0.4 |
| | | | | | | | POT. GRAMINEUS | 46.0 | 37.6 | | | | |
| | | | 3 | 309572 | 498258 | 8.4 | CHARA SPP. | 13.8 | 4.4 | 4100 | 410 | 1.6 | 0.4 |
| | | | | | | | POT. GRAMINEUS | 14.4 | 11.5 | | | | |
| | | 3 | 1 | 309582 | 498256 | 8.2 | MYRIO. EXALBESC | TRACE | | 2600 | 520 | 3.0 | 2.7 |
| | | | | | | | NITELLA HYALINA | 44.0 | 18.7 | | | | |
| | | | | | | | POT. GRAMINEUS | 66.8 | 53.1 | | | | |
| | | | | | | | POT. RICHARDSONI | 5.2 | 4.2 | | | | |
| | | | 2 | 309582 | 498256 | 8.2 | NITELLA HYALINA | 54.2 | 20.5 | 2600 | 520 | 3.0 | 2.7 |
| | | | | | | | POT. GRAMINEUS | 45.8 | 35.7 | | | | |
| | | | 3 | 309582 | 498256 | 8.2 | NITELLA HYALINA | 51.4 | 19.5 | 2600 | 520 | 3.0 | 2.7 |
| | | | | | | | POT. GRAMINEUS | 24.2 | 10.8 | | | | |
| | | 4 | 1 | 309579 | 498263 | 3.5 | CHARA SPP. | 240.3 | 62.2 | 4300 | 3500 | 1.6 | 1.2 |
| | | | | | | | POT. GRAMINEUS | 22.2 | 16.8 | | | | |
| | | | | | | | POT. ZOSTERIFORM | 50.6 | 38.7 | | | | |
| | | | | | | | POT. NARROW | 42.4 | 33.8 | | | | |
| | | | | | | | ZANN. PALUSTRIS | 1.1 | 0.4 | | | | |
| | | | 2 | 309579 | 498263 | 3.5 | CHARA SPP. | 172.4 | 39.9 | 4300 | 3500 | 1.6 | 1.2 |
| | | | | | | | POT. ZOSTERIFORM | 1.0 | 0.6 | | | | |
| | | | | | | | POT. NARROW | 75.9 | 59.8 | | | | |
| | | | 3 | 309579 | 498263 | 3.5 | CHARA SPP. | 590.7 | 72.0 | 4300 | 3500 | 1.6 | 1.2 |
| | | | | | | | POT. NARROW | 114.2 | 114.0 | | | | |
| | | 5 | 1 | 309602 | 498270 | 3.7 | CHARA SPP. | 118.4 | 29.7 | 1500 | 1000 | 1.4 | 1.0 |
| | | | | | | | NAJAS FLEXILIS | 0.4 | 0.2 | | | | |
| | | | | | | | POT. GRAMINEUS | 21.0 | 14.7 | | | | |
| | | | 2 | 309602 | 498270 | 3.7 | CHARA SPP. | 81.4 | 25.1 | 1500 | 1000 | 1.4 | 1.0 |
| | | | | | | | NAJAS FLEXILIS | 0.6 | 0.3 | | | | |
| | | | | | | | POT. GRAMINEUS | 23.1 | 16.4 | | | | |
| | | | 3 | 309602 | 498270 | 3.7 | CHARA SPP. | 77.4 | 15.4 | 1500 | 1000 | 1.4 | 1.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | NAJAS FLEXILIS | 0.5 | 0.3 | | | | |
| | | | | | POT. GRAMINEUS | 4.6 | 3.0 | | | | |
| 6 | 1 | 309593 | 498265 | 3.4 | CHARA SPP. | 176.8 | 56.9 | 2500 | 1300 | 1.3 | 1.0 |
| | | | | | POT. ZOSTERIFORM | 1.3 | 1.0 | | | | |
| | | | | | POT. NARROW | 27.9 | 22.1 | | | | |
| | 2 | 309593 | 498265 | 3.4 | CHARA SPP. | 261.7 | 74.8 | 2500 | 1300 | 1.3 | 1.0 |
| | | | | | NAJAS FLEXILIS | 0.6 | 0.3 | | | | |
| | | | | | POT. NARROW | 36.3 | 29.4 | | | | |
| | 3 | 309593 | 498265 | 3.4 | CHARA SPP. | 170.7 | 41.3 | 2500 | 1300 | 1.3 | 1.0 |
| | | | | | POT. ZOSTERIFORM | 0.3 | 0.2 | | | | |
| | | | | | POT. NARROW | 8.1 | 6.1 | | | | |
| 7 | 1 | 309584 | 498270 | 2.8 | CHARA SPP. | 21.3 | 8.6 | 3200 | 1900 | 0.6 | 0.3 |
| | | | | | POT. GRAMINEUS | 109.5 | 72.7 | | | | |
| | | | | | POT. NARROW | 0.3 | 0.2 | | | | |
| | 2 | 309584 | 498270 | 2.8 | CHARA SPP. | 141.7 | 33.8 | 3200 | 1900 | 0.6 | 0.3 |
| | | | | | POT. GRAMINEUS | 14.0 | 10.3 | | | | |
| | | | | | POT. RICHARDSONI | 10.5 | 8.2 | | | | |
| | | | | | POT. NARROW | 2.0 | 1.5 | | | | |
| | 3 | 309584 | 498270 | 2.8 | CHARA SPP. | 88.4 | 16.7 | 3200 | 1900 | 0.6 | 0.3 |
| | | | | | POT. GRAMINEUS | 16.8 | 11.8 | | | | |
| | | | | | POT. RICHARDSONI | 47.5 | 31.7 | | | | |
| | | | | | POT. NARROW | 27.1 | 20.2 | | | | |
| | 4 | 309585 | 498267 | 3.0 | CHARA SPP. | 87.1 | 22.3 | 4600 | 2700 | 0.8 | 0.8 |
| | 5 | 309585 | 498267 | 3.0 | CHARA SPP. | 24.1 | 7.5 | 4600 | 2700 | 0.8 | 0.8 |
| | | | | | POT. GRAMINEUS | 4.9 | 3.7 | | | | |
| | 6 | 309585 | 498267 | 3.0 | CHARA SPP. | 92.5 | 26.4 | 4600 | 2700 | 0.8 | 0.8 |
| | | | | | POT. GRAMINEUS | 3.0 | 1.9 | | | | |
| 8 | 1 | 309608 | 498273 | 4.1 | CHARA SPP. | TRACE | | 1000 | 350 | 1.0 | 0.7 |
| | | | | | POT. GRAMINEUS | 36.8 | 28.2 | | | | |
| | | | | | POT. NARROW | 8.4 | 6.5 | | | | |
| | 2 | 309608 | 498273 | 4.1 | NITELLA HYALINA | 3.2 | 0.8 | 1000 | 350 | 1.0 | 0.7 |
| | | | | | POT. GRAMINEUS | 112.0 | 79.8 | | | | |
| | | | | | POT. NARROW | 0.3 | 0.2 | | | | |
| | 3 | 309608 | 498273 | 4.1 | CHARA SPP. | 0.3 | 0.1 | 1000 | 350 | 1.0 | 0.7 |
| | | | | | POT. GRAMINEUS | 86.6 | 63.7 | | | | |
| | | | | | VALLISNERIA AMER | 1.1 | 0.8 | | | | |
| 9 | 1 | 309603 | 498277 | 2.0 | CHARA SPP. | 1.9 | 0.7 | 3500 | 3500 | 0.6 | 0.5 |
| | | | | | POT. GRAMINEUS | 0.8 | 0.7 | | | | |
| | | | | | POT. RICHARDSONI | 20.8 | 17.3 | | | | |
| | | | | | POT. NARROW | 6.6 | 5.6 | | | | |
| | 2 | 309603 | 498277 | 2.0 | CHARA SPP. | 5.0 | 0.9 | 3500 | 3500 | 0.6 | 0.5 |
| | | | | | POT. RICHARDSONI | 91.2 | 72.3 | | | | |
| | 3 | 309603 | 498277 | 2.0 | CHARA SPP. | 37.2 | 28.3 | 3500 | 3500 | 0.6 | 0.5 |
| | | | | | POT. RICHARDSONI | 68.6 | 56.4 | | | | |
| | | | | | POT. NARROW | 13.9 | 11.1 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | 309601 | 498273 | 2.5 | CHARA SPP. | 108.3 | 36.5 | 3300 | 1700 | 0.8 | 0.7 |
| | 5 | 309601 | 498273 | 2.5 | CHARA SPP. | 40.5 | 12.3 | 3300 | 1700 | 0.8 | 0.7 |
| | | | | | POT. GRAMINEUS | 1.4 | 0.9 | | | | |
| | 6 | 309601 | 498273 | 2.5 | CHARA SPP. | 136.0 | 42.9 | 3300 | 1700 | 0.8 | 0.7 |
| 10 | 1 | 309620 | 498283 | 5.0 | CHARA SPP. | 144.0 | 38.4 | 2500 | 940 | 0.8 | 0.7 |
| | | | | | NAJAS FLEXILIS | 0.1 | 0.1 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | 2 | 309620 | 498283 | 5.0 | CHARA SPP. | 96.5 | 27.0 | 2500 | 940 | 0.8 | 0.7 |
| | | | | | NAJAS FLEXILIS | 0.9 | 0.5 | | | | |
| | 3 | 309620 | 498283 | 5.0 | CHARA SPP. | 77.1 | 20.4 | 2500 | 940 | 0.8 | 0.7 |
| | | | | | NAJAS FLEXILIS | 0.8 | 0.4 | | | | |
| 11 | 1 | 309620 | 498284 | 3.0 | CHARA SPP. | 533.3 | 177.8 | 1500 | 230 | 0.5 | 0.1 |
| | | | | | POT. ZOSTERIFORM | 153.5 | 109.7 | | | | |
| | | | | | POT. NARROW | 1.0 | 0.7 | | | | |
| | 2 | 309620 | 498284 | 3.0 | CHARA SPP. | 48.1 | 14.9 | 1500 | 230 | 0.5 | 0.1 |
| | | | | | NAJAS FLEXILIS | TRACE | | | | | |
| | | | | | POT. GRAMINEUS | 55.1 | 36.1 | | | | |
| | | | | | POT. RICHARDSONI | 34.9 | 25.9 | | | | |
| | | | | | SAGITTARIA SPP. | 0.7 | 0.5 | | | | |
| | 3 | 309620 | 498284 | 3.0 | CHARA SPP. | 622.8 | 201.4 | 1500 | 230 | 0.5 | 0.1 |
| | | | | | POT. RICHARDSONI | 160.8 | 118.9 | | | | |
| | | | | | POT. NARROW | 37.9 | 28.6 | | | | |
| | 4 | 309616 | 498280 | 2.5 | CHARA SPP. | 129.3 | 39.5 | 2400 | 1400 | 0.6 | 0.7 |
| | | | | | NAJAS FLEXILIS | 0.1 | 0.1 | | | | |
| | 5 | 309616 | 498280 | 2.5 | CHARA SPP. | 58.2 | 18.3 | 2400 | 1400 | 0.6 | 0.7 |
| | | | | | POT. GRAMINEUS | 13.0 | 2.5 | | | | |
| | 6 | 309616 | 498280 | 2.5 | CHARA SPP. | 106.0 | 35.4 | 2400 | 1400 | 0.6 | 0.7 |
| | | | | | NAJAS FLEXILIS | TRACE | | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JULY-AUGUST, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | RUSSELL | 1 | 1 | 309944 | 498652 | 10.5 | POT. NARROW | 32.4 | 25.5 | 750 | 200 | 2.3 | 1.5 |
| | | | | | | | NITELLOP. OBTUSA | TRACE | | | | | |
| | | | 2 | 309944 | 498652 | 10.5 | POT. NARROW | 45.6 | 36.7 | 750 | 200 | 2.3 | 1.5 |
| | | | | | | | NITELLOP. OBTUSA | TRACE | | | | | |
| | | | 3 | 309944 | 498652 | 10.5 | POT. RICHARDSONI | 20.6 | 15.5 | 750 | 200 | 2.3 | 1.5 |
| | | | | | | | POT. NARROW | 32.8 | 25.9 | | | | |
| | | | 4 | 309948 | 498654 | 8.0 | POT. GRAMINEUS | 78.4 | 59.8 | 2500 | 1000 | 1.5 | 0.7 |
| | | | | | | | POT. NARROW | 2.2 | 1.8 | | | | |
| | | | 5 | 309948 | 498654 | 8.0 | POT. GRAMINEUS | 109.5 | 84.4 | 2500 | 1000 | 1.5 | 0.7 |
| | | | | | | | POT. NARROW | 19.5 | 15.1 | | | | |
| | | | 6 | 309948 | 498654 | 8.0 | NITELLA HYALINA | 0.5 | 0.1 | 2500 | 1000 | 1.5 | 0.7 |
| | | | | | | | POT. GRAMINEUS | 221.2 | 132.4 | | | | |
| | | | | | | | POT. NARROW | 28.5 | 21.0 | | | | |
| | | 2 | 1 | 309939 | 498653 | 9.5 | CHARA SPP. | TRACE | | 650 | 240 | 2.3 | 0.3 |
| | | | | | | | POT. GRAMINEUS | 96.0 | 70.2 | | | | |
| | | | | | | | POT. NARROW | 9.9 | 7.5 | | | | |
| | | | 2 | 309939 | 498653 | 9.5 | POT. GRAMINEUS | 118.5 | 89.6 | 650 | 240 | 2.3 | 0.3 |
| | | | | | | | POT. NARROW | 29.3 | 23.3 | | | | |
| | | | 3 | 309939 | 498653 | 9.5 | POT. GRAMINEUS | 90.6 | 72.3 | 650 | 240 | 2.3 | 0.3 |
| | | | | | | | POT. NARROW | 37.5 | 30.7 | | | | |
| | | | | | | | NITELLOP. OBTUSA | TRACE | | | | | |
| | | 3 | 1 | 309968 | 498660 | 8.0 | ELODEA CANADENS | 3.5 | 2.4 | 4000 | 85 | 0.5 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 167.4 | 129.1 | | | | |
| | | | 2 | 309968 | 498660 | 8.0 | ELODEA CANADENS | 23.1 | 15.3 | 4000 | 85 | 0.5 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 944.8 | 886.8 | | | | |
| | | | 3 | 309968 | 498660 | 8.0 | ELODEA CANADENS | 0.2 | 0.1 | 4000 | 85 | 0.5 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 651.0 | 583.3 | | | | |
| | | 4 | 1 | 309962 | 498658 | 8.0 | CHARA SPP. | 8.4 | 4.1 | 3300 | 140 | 0.6 | 0.2 |
| | | | | | | | ELODEA CANADENS | 5.1 | 3.3 | | | | |
| | | | | | | | POT. RICHARDSONI | 118.7 | 91.2 | | | | |
| | | | | | | | POT. NARROW | 29.7 | 22.7 | | | | |
| | | | 2 | 309962 | 498658 | 8.0 | CHARA SPP. | 10.7 | 4.9 | 3300 | 140 | 0.6 | 0.2 |
| | | | | | | | ELODEA CANADENS | 7.7 | 4.7 | | | | |
| | | | | | | | MYRIO. SPICATUM | 0.4 | 0.3 | | | | |
| | | | | | | | POT. RICHARDSONI | 158.2 | 124.2 | | | | |
| | | | | | | | POT. NARROW | 14.8 | 11.1 | | | | |
| | | | 3 | 309962 | 498658 | 8.0 | ELODEA CANADENS | 38.3 | 26.9 | 3300 | 140 | 0.6 | 0.2 |
| | | | | | | | POT. RICHARDSONI | 78.3 | 64.0 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. NARROW | 2.5 | 1.9 | | | | |
| 5 | 1 | 309951 | 498657 | 8.0 | POT. RICHARDSONI | 95.1 | 76.2 | 550 | 230 | 1.6 | 0.2 |
| | | | | | POT. NARROW | 10.8 | 8.8 | | | | |
| | 2 | 309951 | 498657 | 8.0 | CHARA SPP. | TRACE | | 550 | 230 | 1.6 | 0.2 |
| | | | | | POT. RICHARDSONI | 54.4 | 43.5 | | | | |
| | | | | | POT. NARROW | 40.4 | 32.9 | | | | |
| | 3 | 309951 | 498657 | 8.0 | NITELLA HYALINA | 1.5 | 0.5 | 550 | 230 | 1.6 | 0.2 |
| | | | | | POT. RICHARDSONI | 139.4 | 94.5 | | | | |
| | | | | | POT. NARROW | 22.6 | 17.1 | | | | |
| 6 | 1 | 309945 | 498861 | 6.0 | CHARA SPP. | 186.3 | 132.0 | 1100 | 560 | 1.9 | 1.2 |
| | | | | | POT. GRAMINEUS | 0.6 | 0.4 | | | | |
| | | | | | POT. NARROW | 1.5 | 1.2 | | | | |
| | 2 | 309945 | 498861 | 6.0 | CHARA SPP. | 180.3 | 34.8 | 1100 | 560 | 1.9 | 1.2 |
| | 3 | 309945 | 498861 | 6.0 | CHARA SPP. | 97.7 | 57.9 | 1100 | 560 | 1.9 | 1.2 |
| | | | | | POT. GRAMINEUS | TRACE | | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | 4 | 309945 | 498658 | 5.0 | CHARA SPP. | 17.7 | 6.1 | 3600 | 2200 | 2.3 | 1.3 |
| | | | | | POT. GRAMINEUS | 134.8 | 109.1 | | | | |
| | 5 | 309945 | 498658 | 5.0 | CHARA SPP. | 2.1 | 0.6 | 3600 | 2200 | 2.3 | 1.3 |
| | | | | | POT. GRAMINEUS | 134.9 | 106.7 | | | | |
| | | | | | POT. NARROW | 7.8 | 6.6 | | | | |
| | 6 | 309945 | 498658 | 5.0 | CHARA SPP. | TRACE | | 3600 | 2200 | 2.3 | 1.3 |
| | | | | | NITELLA HYALINA | 9.7 | 2.8 | | | | |
| | | | | | POT. GRAMINEUS | 54.4 | 39.8 | | | | |
| 7 | 1 | 309972 | 498664 | 6.0 | NITELLA HYALINA | 13.7 | 4.7 | 3500 | 1800 | 1.4 | 0.6 |
| | | | | | POT. GRAMINEUS | 111.4 | 64.8 | | | | |
| | | | | | POT. RICHARDSONI | 67.1 | 47.9 | | | | |
| | | | | | POT. NARROW | 19.2 | 15.6 | | | | |
| | 2 | 309972 | 498664 | 6.0 | POT. RICHARDSONI | 599.5 | 259.9 | 3500 | 1800 | 1.4 | 0.6 |
| | 3 | 309972 | 498664 | 6.0 | NITELLA HYALINA | 5.3 | 1.8 | 3500 | 1800 | 1.4 | 0.6 |
| | | | | | POT. GRAMINEUS | 122.9 | 93.0 | | | | |
| | | | | | POT. RICHARDSONI | 50.8 | 40.3 | | | | |
| | | | | | POT. NARROW | 3.7 | 2.8 | | | | |
| | 4 | 309972 | 498664 | 3.0 | CHARA SPP. | 158.2 | 48.7 | 1300 | 1000 | 1.1 | 0.7 |
| | 5 | 309972 | 498664 | 3.0 | CHARA SPP. | 148.5 | 52.2 | 1300 | 1000 | 1.1 | 0.7 |
| | 6 | 309972 | 498664 | 3.0 | CHARA SPP. | 118.7 | 38.4 | 1300 | 1000 | 1.1 | 0.7 |
| 8 | 1 | 309963 | 498665 | 4.5 | POT. GRAMINEUS | 77.5 | 57.4 | 2800 | 1000 | 1.6 | 0.2 |
| | | | | | POT. NARROW | 62.3 | 50.0 | | | | |
| | | | | | ZANN. PALUSTRIS | 1.0 | 0.8 | | | | |
| | 2 | 309963 | 498665 | 4.5 | POT. GRAMINEUS | 133.2 | 96.7 | 2800 | 1000 | 1.6 | 0.2 |
| | | | | | POT. NARROW | 148.3 | 118.5 | | | | |
| | 3 | 309963 | 498665 | 4.5 | POT. GRAMINEUS | 47.4 | 35.4 | 2800 | 1000 | 1.6 | 0.2 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. NARROW | 64.8 | 53.1 | | | | |
| | | | | | NITELLOP. OBTUSA | TRACE | | | | | |
| 9 | 1 | 309956 | 498665 | 4.0 | CHARA SPP. | 162.1 | 45.5 | 520 | 150 | 0.7 | 0.1 |
| | | | | | POT. GRAMINEUS | 97.7 | 68.3 | | | | |
| | | | | | POT. NARROW | 21.6 | 16.5 | | | | |
| | | | | | VALLISNERIA AMER | 3.0 | 1.8 | | | | |
| | 2 | 309956 | 498665 | 4.0 | CHARA SPP. | 208.3 | 140.3 | 520 | 150 | 0.7 | 0.1 |
| | | | | | NAJAS FLEXILIS | 0.6 | 0.4 | | | | |
| | | | | | POT. GRAMINEUS | 114.9 | 81.1 | | | | |
| | | | | | POT. RICHARDSONI | 19.2 | 15.7 | | | | |
| | 3 | 309956 | 498665 | 4.0 | CHARA SPP. | 275.4 | 190.8 | 520 | 150 | 0.7 | 0.1 |
| | | | | | NAJAS FLEXILIS | 0.8 | 0.4 | | | | |
| | | | | | POT. GRAMINEUS | 79.0 | 57.8 | | | | |
| | | | | | POT. RICHARDSONI | 21.2 | 17.1 | | | | |
| | | | | | POT. NARROW | 1.2 | 0.9 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JULY-AUGUST, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | BELLE | 1 | 1 | 312758 | 500952 | 10.5 | POT. RICHARDSONI | 186.6 | 118.8 | 3500 | 290 | 1.1 | 0.3 |
| | | | 2 | 312758 | 500952 | 10.5 | POT. RICHARDSONI | 78.1 | 62.2 | 3500 | 290 | 1.1 | 0.3 |
| | | | | | | | VALLISNERIA AMER | 1.9 | 1.2 | | | | |
| | | | 3 | 312758 | 500952 | 10.5 | POT. RICHARDSONI | 193.4 | 141.3 | 3500 | 290 | 1.1 | 0.3 |
| | | | 4 | 312760 | 500953 | 9.0 | NAJAS FLEXILIS | 2.3 | 1.2 | 3600 | 700 | 0.9 | 0.7 |
| | | | | | | | POT. GRAMINEUS | 2.1 | 1.0 | | | | |
| | | | | | | | VALLISNERIA AMER | 7.8 | 5.2 | | | | |
| | | | | | | | NITELLOP. OBTUSA | 1.1 | 0.3 | | | | |
| | | | 5 | 312760 | 500953 | 9.0 | CHARA SPP. | 0.9 | 0.2 | 3600 | 700 | 0.9 | 0.7 |
| | | | | | | | NAJAS FLEXILIS | 0.3 | 0.2 | | | | |
| | | | | | | | POT. RICHARDSONI | 3.0 | 2.1 | | | | |
| | | | | | | | VALLISNERIA AMER | 27.1 | 7.8 | | | | |
| | | | 6 | 312760 | 500953 | 9.0 | CHARA SPP. | 2.4 | 0.9 | 3600 | 700 | 0.9 | 0.7 |
| | | | | | | | NAJAS FLEXILIS | 2.0 | 1.1 | | | | |
| | | | | | | | POT. ZOSTERIFORM | 1.0 | 0.7 | | | | |
| | | | | | | | VALLISNERIA AMER | 26.2 | 17.7 | | | | |
| | | 2 | 1 | 312769 | 500961 | 7.5 | POT. CRISPUS | 0.2 | 0.2 | 3300 | 470 | 0.3 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 47.2 | 25.1 | | | | |
| | | | 2 | 312769 | 500961 | 7.5 | CHARA SPP. | TRACE | | 3300 | 470 | 0.3 | 0.1 |
| | | | | | | | POT. CRISPUS | 5.8 | 5.4 | | | | |
| | | | | | | | VALLISNERIA AMER | 70.6 | 44.0 | | | | |
| | | | 3 | 312769 | 500961 | 7.5 | POT. ZOSTERIFORM | 3.0 | 2.1 | 3300 | 470 | 0.3 | 0.1 |
| | | | | | | | POT. NARROW | 2.1 | 1.5 | | | | |
| | | | | | | | VALLISNERIA AMER | 20.9 | 14.1 | | | | |
| | | | | | | | NITELLOP. OBTUSA | 1.3 | 0.5 | | | | |
| | | 3 | 1 | 312781 | 500969 | 9.0 | POT. RICHARDSONI | 325.9 | 216.6 | 3400 | 500 | 0.2 | 0.1 |
| | | | 2 | 312781 | 500969 | 9.0 | POT. CRISPUS | 6.2 | 5.4 | 3400 | 500 | 0.2 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 186.5 | 130.0 | | | | |
| | | | 3 | 312781 | 500969 | 9.0 | POT. RICHARDSONI | 122.5 | 90.6 | 3400 | 500 | 0.2 | 0.1 |
| | | 4 | 1 | 312788 | 500972 | 10.0 | CHARA SPP. | 0.7 | 0.2 | 3600 | 660 | 1.3 | 0.6 |
| | | | | | | | NAJAS FLEXILIS | 0.2 | 0.1 | | | | |
| | | | | | | | POT. RICHARDSONI | 13.0 | 9.8 | | | | |
| | | | | | | | POT. ZOSTERIFORM | 0.9 | 0.6 | | | | |
| | | | | | | | POT. NARROW | 9.5 | 6.9 | | | | |
| | | | | | | | VALLISNERIA AMER | 17.3 | 15.9 | | | | |
| | | | 2 | 312788 | 500972 | 10.0 | CHARA SPP. | 0.7 | 0.2 | 3600 | 660 | 1.3 | 0.6 |
| | | | | | | | NAJAS FLEXILIS | 0.4 | 0.2 | | | | |
| | | | | | | | VALLISNERIA AMER | 27.3 | 19.2 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 312788 | 500972 | 10.0 | CHARA SPP. | 0.7 | 0.2 | 3600 | 660 | 1.3 | 0.6 |
| | | | | | NAJAS FLEXILIS | 0.8 | 0.3 | | | | |
| | | | | | POT. ZOSTERIFORM | 1.9 | 0.1 | | | | |
| | | | | | VALLISNERIA AMER | 12.3 | 5.6 | | | | |
| 5 | 1 | 312803 | 500982 | 6.0 | POT. CRISPUS | 17.0 | 9.3 | 3700 | 200 | 0.7 | 0.1 |
| | | | | | POT. RICHARDSONI | 72.4 | 42.8 | | | | |
| | | | | | POT. ZOSTERIFORM | 1.6 | 1.0 | | | | |
| | | | | | VALLISNERIA AMER | 28.0 | 14.6 | | | | |
| | 2 | 312803 | 500982 | 6.0 | POT. RICHARDSONI | 175.6 | 123.1 | 3700 | 200 | 0.7 | 0.1 |
| | 3 | 312803 | 500982 | 6.0 | POT. RICHARDSONI | 129.6 | 82.2 | 3700 | 200 | 0.7 | 0.1 |
| | | | | | VALLISNERIA AMER | 4.2 | 2.9 | | | | |
| | 4 | 312803 | 500981 | 7.0 | POT. RICHARDSONI | 8.8 | 6.0 | 3700 | 200 | 0.7 | 0.1 |
| | | | | | POT. ZOSTERIFORM | 2.9 | 2.3 | | | | |
| | | | | | VALLISNERIA AMER | 98.4 | 96.2 | | | | |
| | 5 | 312803 | 500981 | 7.0 | CHARA SPP. | 1.2 | 0.5 | 3700 | 200 | 0.7 | 0.1 |
| | | | | | NAJAS FLEXILIS | 0.4 | 0.1 | | | | |
| | | | | | POT. RICHARDSONI | 5.2 | 3.6 | | | | |
| | | | | | VALLISNERIA AMER | 68.3 | 52.3 | | | | |
| | 6 | 312803 | 500981 | 7.0 | POT. RICHARDSONI | 2.4 | 1.7 | 3700 | 200 | 0.7 | 0.1 |
| | | | | | POT. ZOSTERIFORM | 14.4 | 10.2 | | | | |
| | | | | | VALLISNERIA AMER | 24.9 | 15.8 | | | | |
| | | | | | NITELLOP. OBTUSA | 3.9 | 1.6 | | | | |
| 6 | 1 | 312816 | 500989 | 9.0 | CHARA SPP. | 39.0 | 14.5 | 3600 | 260 | 1.0 | 0.9 |
| | | | | | VALLISNERIA AMER | 1.1 | 0.6 | | | | |
| | | | | | NITELLOP. OBTUSA | 1.3 | 0.6 | | | | |
| | 2 | 312816 | 500989 | 9.0 | CHARA SPP. | 29.6 | 14.5 | 3600 | 260 | 1.0 | 0.9 |
| | | | | | VALLISNERIA AMER | 3.9 | 2.8 | | | | |
| | 3 | 312816 | 500989 | 9.0 | CHARA SPP. | 0.7 | 0.4 | 3600 | 260 | 1.0 | 0.9 |
| | | | | | NAJAS FLEXILIS | 1.0 | 0.7 | | | | |
| | | | | | POT. NARROW | 1.8 | 1.2 | | | | |
| | | | | | VALLISNERIA AMER | 7.1 | 4.7 | | | | |
| 7 | 1 | 312856 | 500996 | 9.0 | MYRIO. SPICATUM | 125.4 | 99.2 | 4700 | 380 | 0.2 | 0.0 |
| | | | | | POT. RICHARDSONI | 67.6 | 49.2 | | | | |
| | | | | | POT. ZOSTERIFORM | 1.2 | 0.8 | | | | |
| | | | | | VALLISNERIA AMER | 11.4 | 7.6 | | | | |
| | | | | | NITELLOP. OBTUSA | 2.8 | 1.1 | | | | |
| | 2 | 312856 | 500996 | 9.0 | MYRIO. SPICATUM | 151.1 | 112.5 | 4700 | 380 | 0.2 | 0.0 |
| | | | | | POT. CRISPUS | 29.8 | 23.0 | | | | |
| | | | | | POT. ZOSTERIFORM | 3.9 | 2.9 | | | | |
| | | | | | VALLISNERIA AMER | 4.8 | 3.2 | | | | |
| | 3 | 312856 | 500996 | 9.0 | MYRIO. SPICATUM | 207.3 | 146.9 | 4700 | 380 | 0.2 | 0.0 |
| | | | | | POT. ZOSTERIFORM | 6.4 | 3.4 | | | | |
| | | | | | VALLISNERIA AMER | 10.4 | 6.4 | | | | |
| | 4 | 312857 | 500997 | 7.0 | MYRIO. SPICATUM | 9.5 | 8.1 | 4600 | 390 | 0.2 | 0.1 |
| | | | | | NAJAS FLEXILIS | 1.2 | 0.7 | | | | |
| | | | | | POT. RICHARDSONI | 7.8 | 6.0 | | | | |
| | | | | | VALLISNERIA AMER | 7.0 | 4.6 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | NITELLOP. OBTUSA | 6.2 | 3.0 | | | | |
| | 5 | 312857 | 500997 | 7.0 | POT. RICHARDSONI | 6.4 | 4.9 | 4600 | 390 | 0.2 | 0.1 |
| | | | | | POT. ZOSTERIFORM | 2.8 | 2.1 | | | | |
| | | | | | VALLISNERIA AMER | 3.9 | 2.5 | | | | |
| | 6 | 312857 | 500997 | 7.0 | MYRIO. SPICATUM | 2.5 | 2.0 | 4600 | 390 | 0.2 | 0.1 |
| | | | | | POT. RICHARDSONI | 55.4 | 41.3 | | | | |
| | | | | | VALLISNERIA AMER | 0.1 | 0.0 | | | | |
| | | | | | NITELLOP. OBTUSA | 36.6 | 15.8 | | | | |
| 8 | 1 | 312846 | 500993 | 5.0 | MYRIO. SPICATUM | 2.3 | 1.9 | 3200 | 1400 | 0.1 | 0.0 |
| | | | | | VALLISNERIA AMER | 0.9 | 0.6 | | | | |
| | | | | | NITELLOP. OBTUSA | 90.7 | 37.0 | | | | |
| | 2 | 312846 | 500993 | 5.0 | NAJAS FLEXILIS | 0.4 | 0.3 | 3200 | 1400 | 0.1 | 0.0 |
| | | | | | VALLISNERIA AMER | 12.3 | 6.3 | | | | |
| | | | | | NITELLOP. OBTUSA | 283.0 | 115.0 | | | | |
| | 3 | 312846 | 500993 | 5.0 | CHARA SPP. | 162.5 | 58.3 | 3200 | 1400 | 0.1 | 0.0 |
| | | | | | MYRIO. SPICATUM | 1.5 | 1.2 | | | | |
| | | | | | POT. ZOSTERIFORM | TRACE | | | | | |
| | | | | | VALLISNERIA AMER | 11.1 | 6.1 | | | | |
| | | | | | NITELLOP. OBTUSA | 0.1 | 0.0 | | | | |
| 9 | 1 | 312834 | 500993 | 4.5 | CHARA SPP. | 372.8 | 128.0 | 3600 | 1400 | 0.1 | 0.1 |
| | 2 | 312834 | 500993 | 4.5 | CHARA SPP. | 526.4 | 144.2 | 3600 | 1400 | 0.1 | 0.1 |
| | 3 | 312834 | 500993 | 4.5 | CHARA SPP. | 465.7 | 145.7 | 3600 | 1400 | 0.1 | 0.1 |
| | 4 | 312836 | 500997 | 6.0 | MYRIO. SPICATUM | 24.3 | 16.2 | 3400 | 820 | 0.4 | 0.2 |
| | | | | | POT. NARROW | 7.1 | 5.2 | | | | |
| | | | | | VALLISNERIA AMER | 19.2 | 12.5 | | | | |
| | | | | | NITELLOP. OBTUSA | 26.9 | 10.7 | | | | |
| | 5 | 312836 | 500997 | 6.0 | NAJAS FLEXILIS | TRACE | | 3400 | 820 | 0.4 | 0.2 |
| | | | | | POT. ZOSTERIFORM | 2.6 | 0.6 | | | | |
| | | | | | VALLISNERIA AMER | 28.9 | 19.5 | | | | |
| | | | | | NITELLOP. OBTUSA | 6.9 | 2.9 | | | | |
| | 6 | 312836 | 500997 | 6.0 | CHARA SPP. | 1.2 | 0.5 | 3400 | 820 | 0.4 | 0.2 |
| | | | | | MYRIO. EXALBESC | 3.3 | 2.4 | | | | |
| | | | | | POT. ZOSTERIFORM | 6.0 | 3.6 | | | | |
| | | | | | VALLISNERIA AMER | 10.6 | 6.6 | | | | |
| | | | | | NITELLOP. OBTUSA | 38.1 | 15.7 | | | | |
| 10 | 1 | 312822 | 500991 | 4.0 | CHARA SPP. | 66.2 | 22.9 | 3000 | 2100 | 0.3 | 0.1 |
| | | | | | NAJAS FLEXILIS | 22.2 | 3.2 | | | | |
| | | | | | POT. CRISPUS | 1.2 | 1.0 | | | | |
| | | | | | POT. GRAMINEUS | 90.8 | 85.6 | | | | |
| | | | | | POT. ZOSTERIFORM | 9.5 | 4.7 | | | | |
| | | | | | VALLISNERIA AMER | 2.4 | 1.7 | | | | |
| | | | | | NITELLOP. OBTUSA | 12.9 | 4.8 | | | | |
| | 2 | 312822 | 500991 | 4.0 | NAJAS FLEXILIS | 5.0 | 3.0 | 3000 | 2100 | 0.3 | 0.1 |
| | | | | | POT. GRAMINEUS | 110.8 | 62.9 | | | | |
| | | | | | POT. NARROW | 4.7 | 3.2 | | | | |
| | | | | | NITELLOP. OBTUSA | 29.8 | 10.5 | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 312822 | 500991 | 4.0 | CHARA SPP. | 46.8 | 16.9 | 3000 | 2100 | 0.3 | 0.1 |
| | | | | NAJAS FLEXILIS | 1.8 | 1.2 | | | | |
| | | | | POT. CRISPUS | 4.5 | 4.1 | | | | |
| | | | | POT. GRAMINEUS | 34.8 | 18.8 | | | | |
| | | | | POT. RICHARDSONI | 225.5 | 161.0 | | | | |
| | | | | POT. NARROW | 7.5 | 5.5 | | | | |
| | | | | VALLISNERIA AMER | 9.7 | 5.1 | | | | |
| | | | | NITELLOP. OBTUSA | 43.0 | 18.0 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, JULY-AUGUST, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | HENNEPIN | 1 | 1 | 314067 | 500669 | 4.8 | POT. NARROW | 45.1 | 33.8 | 1800 | 45 | 0.1 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 33.5 | 21.7 | | | | |
| | | | 2 | 314067 | 500669 | 4.8 | POT. NARROW | 50.9 | 39.1 | 1800 | 45 | 0.1 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 25.7 | 12.3 | | | | |
| | | | 3 | 314067 | 500669 | 4.8 | POT. NARROW | 27.4 | 13.5 | 1800 | 45 | 0.1 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 63.0 | 34.1 | | | | |
| | | 2 | 1 | 314062 | 500676 | 4.2 | POT. RICHARDSONI | 116.4 | 85.1 | 1700 | 6 | 0.1 | 0.0 |
| | | | | | | | POT. NARROW | 28.4 | 21.9 | | | | |
| | | | 2 | 314062 | 500676 | 4.2 | POT. RICHARDSONI | 209.6 | 150.8 | 1700 | 6 | 0.1 | 0.0 |
| | | | | | | | POT. NARROW | 20.8 | 15.5 | | | | |
| | | | 3 | 314062 | 500676 | 4.2 | POT. RICHARDSONI | 363.4 | 220.3 | 1700 | 6 | 0.1 | 0.0 |
| | | | | | | | POT. NARROW | 65.0 | 38.5 | | | | |
| | | | 4 | 314065 | 500667 | 5.5 | POT. RICHARDSONI | TRACE | | 3400 | 48 | 0.1 | 0.0 |
| | | | | | | | POT. NARROW | 80.6 | 63.5 | | | | |
| | | | 5 | 314065 | 500667 | 5.5 | POT. NARROW | 118.2 | 89.5 | 3400 | 48 | 0.1 | 0.0 |
| | | | | | | | VALLISNERIA AMER | TRACE | | | | | |
| | | | 6 | 314065 | 500667 | 5.5 | POT. NARROW | 37.2 | 28.1 | 3400 | 48 | 0.1 | 0.0 |
| | | 3 | 1 | 314080 | 500680 | 6.1 | NITELLA HYALINA | 1.5 | 0.6 | 1600 | 150 | 0.1 | 0.1 |
| | | | | | | | POT. NARROW | 1.3 | 0.9 | | | | |
| | | | | | | | VALLISNERIA AMER | 26.0 | 15.7 | | | | |
| | | | 2 | 314080 | 500680 | 6.1 | POT. NARROW | 1.3 | 1.2 | 1600 | 150 | 0.1 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 104.7 | 43.7 | | | | |
| | | | 3 | 314080 | 500680 | 6.1 | POT. NARROW | 1.9 | 1.3 | 1600 | 150 | 0.1 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 109.3 | 55.0 | | | | |
| | | | 4 | 314075 | 500685 | 3.5 | POT. RICHARDSONI | 99.2 | 73.8 | 980 | 130 | 0.2 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 11.7 | 7.2 | | | | |
| | | | 5 | 314075 | 500685 | 3.5 | POT. RICHARDSONI | 105.6 | 63.2 | 980 | 130 | 0.2 | 0.1 |
| | | | | | | | POT. NARROW | 45.3 | 20.0 | | | | |
| | | | | | | | VALLISNERIA AMER | 23.3 | 10.5 | | | | |
| | | | 6 | 314075 | 500685 | 3.5 | POT. RICHARDSONI | 78.0 | 47.7 | 980 | 130 | 0.2 | 0.1 |
| | | | | | | | POT. NARROW | 0.6 | 0.2 | | | | |
| | | | | | | | VALLISNERIA AMER | 10.5 | 6.4 | | | | |
| | | 4 | 1 | 314086 | 500690 | 3.6 | VALLISNERIA AMER | 70.3 | 42.5 | 850 | 49 | 0.2 | 0.1 |
| | | | 2 | 314086 | 500690 | 3.6 | VALLISNERIA AMER | 31.9 | 18.9 | 850 | 49 | 0.2 | 0.1 |
| | | | 3 | 314086 | 500690 | 3.6 | VALLISNERIA AMER | 76.7 | 34.6 | 850 | 49 | 0.2 | 0.1 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 1 | 314070 | 500683 | 4.5 | POT. NARROW | 22.8 | 12.7 | 1700 | 44 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | 100.1 | 28.1 | | | | |
| | 2 | 314070 | 500683 | 4.5 | POT. NARROW | 47.6 | 19.5 | 1700 | 44 | 0.2 | 0.1 |
| | 3 | 314070 | 500683 | 4.5 | POT. NARROW | 62.5 | 40.1 | 1700 | 44 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | 52.1 | 23.2 | | | | |
| | 4 | 314068 | 500686 | 3.8 | POT. GRAMINEUS | 87.9 | 41.6 | 2800 | 61 | 0.3 | 0.1 |
| | | | | | POT. NARROW | 2.7 | 1.1 | | | | |
| | 5 | 314068 | 500686 | 3.8 | POT. RICHARDSONI | 75.2 | 45.6 | 2800 | 61 | 0.3 | 0.1 |
| | 6 | 314068 | 500686 | 3.8 | POT. RICHARDSONI | 92.5 | 55.7 | 2800 | 61 | 0.3 | 0.1 |
| | | | | | POT. NARROW | 23.2 | 16.3 | | | | |
| | | | | | VALLISNERIA AMER | 8.8 | 3.6 | | | | |
| 6 | 1 | 314083 | 500695 | 3.8 | CHARA SPP. | 42.1 | 6.9 | 1700 | 29 | 0.2 | 0.1 |
| | | | | | POT. GRAMINEUS | 43.6 | 29.2 | | | | |
| | | | | | VALLISNERIA AMER | 37.5 | 16.7 | | | | |
| | 2 | 314083 | 500695 | 3.8 | NITELLA HYALINA | 13.8 | 3.8 | 1700 | 29 | 0.2 | 0.1 |
| | | | | | POT. RICHARDSONI | 150.9 | 74.6 | | | | |
| | 3 | 314083 | 500695 | 3.8 | NITELLA HYALINA | 9.9 | 3.4 | 1700 | 29 | 0.2 | 0.1 |
| | | | | | POT. RICHARDSONI | 57.1 | 31.4 | | | | |
| 7 | 1 | 314097 | 500705 | 7.3 | VALLISNERIA AMER | 56.3 | 31.4 | 2000 | 20 | 0.1 | 0.1 |
| | 2 | 314097 | 500705 | 7.3 | VALLISNERIA AMER | 27.4 | 17.1 | 2000 | 20 | 0.1 | 0.1 |
| | 3 | 314097 | 500705 | 7.3 | VALLISNERIA AMER | 79.9 | 49.3 | 2000 | 20 | 0.1 | 0.1 |
| 8 | 1 | 314077 | 500701 | 5.0 | POT. GRAMINEUS | 60.9 | 44.0 | 1100 | 230 | 0.0 | 0.0 |
| | | | | | POT. NARROW | 66.6 | 52.8 | | | | |
| | | | | | VALLISNERIA AMER | 8.9 | 6.0 | | | | |
| | 2 | 314077 | 500701 | 5.0 | POT. RICHARDSONI | 34.1 | 24.7 | 1100 | 230 | 0.0 | 0.0 |
| | | | | | POT. NARROW | 2.0 | 1.8 | | | | |
| | | | | | VALLISNERIA AMER | 3.0 | 2.0 | | | | |
| | 3 | 314077 | 500701 | 5.0 | POT. GRAMINEUS | 97.6 | 70.3 | 1100 | 230 | 0.0 | 0.0 |
| | | | | | POT. NARROW | 12.3 | 9.6 | | | | |
| 9 | 1 | 314091 | 500710 | 4.9 | VALLISNERIA AMER | 40.4 | 16.1 | 4000 | 590 | 0.2 | 0.0 |
| | 2 | 314091 | 500710 | 4.9 | CHARA SPP. | 1.2 | 0.3 | 4000 | 590 | 0.2 | 0.0 |
| | | | | | VALLISNERIA AMER | 17.3 | 9.9 | | | | |
| | 3 | 314091 | 500710 | 4.9 | CHARA SPP. | 3.8 | 1.5 | 4000 | 590 | 0.2 | 0.0 |
| | | | | | POT. NARROW | 1.6 | 1.0 | | | | |
| | | | | | VALLISNERIA AMER | 27.5 | 13.9 | | | | |
| 10 | 1 | 314103 | 500716 | 8.5 | VALLISNERIA AMER | 85.6 | 30.2 | 2000 | 200 | 0.3 | 0.2 |
| | 2 | 314103 | 500716 | 8.5 | VALLISNERIA AMER | 61.9 | 28.9 | 2000 | 200 | 0.3 | 0.2 |
| | 3 | 314103 | 500716 | 8.5 | VALLISNERIA AMER | 153.0 | 53.1 | 2000 | 200 | 0.3 | 0.2 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 1 | 314086 | 500714 | 5.1 | POT. NARROW | 46.5 | 16.0 | 3800 | 220 | 0.3 | 0.1 |
| | | | | | VALLISNERIA AMER | 13.1 | 8.6 | | | | |
| | 2 | 314086 | 500714 | 5.1 | NITELLA HYALINA | 0.6 | 0.3 | 3800 | 220 | 0.3 | 0.1 |
| | | | | | POT. NARROW | 0.4 | 0.3 | | | | |
| | | | | | VALLISNERIA AMER | 28.3 | 18.8 | | | | |
| | 3 | 314086 | 500714 | 5.1 | NAJAS FLEXILIS | 0.4 | 0.2 | 3800 | 220 | 0.3 | 0.1 |
| | | | | | NITELLA HYALINA | 2.6 | 1.2 | | | | |
| | | | | | VALLISNERIA AMER | 15.2 | 8.2 | | | | |
| | 4 | 314087 | 500714 | 4.1 | POT. RICHARDSONI | 47.7 | 36.8 | 610 | 47 | 0.1 | 0.1 |
| | | | | | VALLISNERIA AMER | 34.9 | 25.2 | | | | |
| | 5 | 314087 | 500714 | 4.1 | POT. RICHARDSONI | 78.0 | 49.4 | 610 | 47 | 0.1 | 0.1 |
| | | | | | POT. NARROW | 5.2 | 3.5 | | | | |
| | | | | | VALLISNERIA AMER | 18.5 | 12.4 | | | | |
| | 6 | 314087 | 500714 | 4.1 | POT. RICHARDSONI | 62.5 | 36.6 | 610 | 47 | 0.1 | 0.1 |
| | | | | | POT. NARROW | 1.6 | 1.1 | | | | |
| | | | | | VALLISNERIA AMER | 13.4 | 9.2 | | | | |
| 12 | 1 | 314098 | 500718 | 3.9 | NITELLA HYALINA | 0.7 | 0.3 | 2100 | 140 | 0.2 | 0.2 |
| | | | | | VALLISNERIA AMER | 21.9 | 13.6 | | | | |
| | 2 | 314098 | 500718 | 3.9 | VALLISNERIA AMER | 53.7 | 28.0 | 2100 | 140 | 0.2 | 0.2 |
| | 3 | 314098 | 500718 | 3.9 | NITELLA HYALINA | TRACE | | 2100 | 140 | 0.2 | 0.2 |
| | | | | | VALLISNERIA AMER | 29.1 | 15.7 | | | | |
| 13 | 1 | 314094 | 500727 | 6.3 | POT. RICHARDSONI | 325.0 | 232.0 | 2000 | 30 | 0.1 | 0.0 |
| | 2 | 314094 | 500727 | 6.3 | POT. RICHARDSONI | 99.0 | 66.8 | 2000 | 30 | 0.1 | 0.0 |
| | 3 | 314094 | 500727 | 6.3 | POT. RICHARDSONI | 205.6 | 138.2 | 2000 | 30 | 0.1 | 0.0 |
| 14 | 1 | 314106 | 500736 | 6.4 | VALLISNERIA AMER | 36.0 | 21.0 | 1500 | 80 | 0.1 | 0.0 |
| | 2 | 314106 | 500736 | 6.4 | POT. NARROW | 2.1 | 1.5 | 1500 | 80 | 0.1 | 0.0 |
| | | | | | VALLISNERIA AMER | 34.1 | 20.0 | | | | |
| | 3 | 314106 | 500736 | 6.4 | VALLISNERIA AMER | 9.3 | 6.0 | 1500 | 80 | 0.1 | 0.0 |
| | 4 | 314103 | 500733 | 8.1 | POT. RICHARDSONI | 130.7 | 104.5 | 760 | 86 | 0.6 | 0.2 |
| | 5 | 314103 | 500733 | 8.1 | POT. RICHARDSONI | 130.9 | 96.0 | 760 | 86 | 0.6 | 0.2 |
| | 6 | 314103 | 500733 | 8.1 | POT. RICHARDSONI | 78.2 | 57.6 | 760 | 86 | 0.6 | 0.2 |

SUBMERSED MACROPHYTE PONAR DATA, JULY-AUGUST, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | STONY | 1 | 1 | 314233 | 500982 | 9.9 | VALLISNERIA AMER | 58.5 | 33.6 | 900 | 120 | 1.5 | 0.1 |
| | | | 2 | 314233 | 500982 | 9.9 | VALLISNERIA AMER | 35.0 | 20.5 | 900 | 120 | 1.5 | 0.1 |
| | | | 3 | 314233 | 500982 | 9.9 | VALLISNERIA AMER | 60.6 | 28.7 | 900 | 120 | 1.5 | 0.1 |
| | | 2 | 1 | 314212 | 500978 | 8.1 | POT. RICHARDSONI | 36.5 | 33.2 | 1400 | 27 | 0.9 | 0.1 |
| | | | | | | | POT. NARROW | 5.6 | 4.1 | | | | |
| | | | | | | | VALLISNERIA AMER | 4.0 | 2.7 | | | | |
| | | | 2 | 314212 | 500978 | 8.1 | POT. GRAMINEUS | 74.7 | 34.8 | 1400 | 27 | 0.9 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 5.7 | 3.3 | | | | |
| | | | 3 | 314212 | 500978 | 8.1 | MYRIO. SPICATUM | 1.0 | 0.7 | 1400 | 27 | 0.9 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 93.1 | 71.0 | | | | |
| | | | | | | | POT. NARROW | 0.1 | 0.0 | | | | |
| | | | | | | | VALLISNERIA AMER | 15.4 | 7.6 | | | | |
| | | 3 | 1 | 314200 | 500976 | 7.9 | POT. RICHARDSONI | 246.7 | 176.7 | 1700 | 7 | 0.5 | 0.0 |
| | | | 2 | 314200 | 500976 | 7.9 | POT. RICHARDSONI | 220.1 | 162.8 | 1700 | 7 | 0.5 | 0.0 |
| | | | | | | | POT. NARROW | 16.3 | 15.5 | | | | |
| | | | 3 | 314200 | 500976 | 7.9 | MYRIO. SPICATUM | 9.2 | 7.2 | 1700 | 7 | 0.5 | 0.0 |
| | | | | | | | POT. CRISPUS | 12.9 | 2.6 | | | | |
| | | | | | | | POT. RICHARDSONI | 114.7 | 74.6 | | | | |
| | | | 4 | 314203 | 500979 | 8.1 | ELODEA CANADENS | 2.2 | 1.5 | 270 | 29 | 0.4 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 10.1 | 5.4 | | | | |
| | | | 5 | 314203 | 500979 | 8.1 | POT. CRISPUS | 23.2 | 20.3 | 270 | 29 | 0.4 | 0.1 |
| | | | | | | | POT. NARROW | 6.4 | 0.1 | | | | |
| | | | | | | | VALLISNERIA AMER | 21.7 | 12.1 | | | | |
| | | | 6 | 314203 | 500979 | 8.1 | VALLISNERIA AMER | 49.4 | 34.0 | 270 | 29 | 0.4 | 0.1 |
| | | 4 | 1 | 314187 | 500974 | 8.3 | POT. NARROW | 125.2 | 94.3 | 1800 | 30 | 0.5 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 11.3 | 7.6 | | | | |
| | | | 2 | 314187 | 500974 | 8.3 | POT. NARROW | 149.6 | 78.8 | 1800 | 30 | 0.5 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 11.6 | 6.9 | | | | |
| | | | 3 | 314187 | 500974 | 8.3 | POT. NARROW | 16.5 | 12.3 | 1800 | 30 | 0.5 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 11.3 | 6.9 | | | | |
| | | 5 | 1 | 314228 | 500984 | 7.9 | POT. NARROW | 0.7 | 0.3 | 4500 | 410 | 0.9 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 37.5 | 20.6 | | | | |
| | | | 2 | 314228 | 500984 | 7.9 | POT. ZOSTERIFORM | TRACE | | 4500 | 410 | 0.9 | 0.0 |
| | | | | | | | VALLISNERIA AMER | 120.6 | 36.0 | | | | |
| | | | 3 | 314228 | 500984 | 7.9 | POT. NARROW | TRACE | | 4500 | 410 | 0.9 | 0.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | VALLISNERIA AMER | 15.7 | 9.8 | | | | |
| 6 | 1 | 314224 | 500987 | 1.8 | ELODEA CANADENS | 524.6 | 285.9 | - | - | 0.1 | 0.0 |
| | | | | | MYRIO. SPICATUM | 110.8 | 59.8 | | | | |
| | 2 | 314224 | 500987 | 1.8 | ELODEA CANADENS | 210.6 | 148.7 | - | - | 0.1 | 0.0 |
| | | | | | MYRIO. SPICATUM | 90.2 | 65.4 | | | | |
| | | | | | POT. CRISPUS | 8.9 | 7.6 | | | | |
| | 3 | 314224 | 500987 | 1.8 | ELODEA CANADENS | 447.6 | 250.1 | - | - | 0.1 | 0.0 |
| | | | | | MYRIO. SPICATUM | 97.6 | 56.8 | | | | |
| 7 | 1 | 314237 | 500992 | 4.0 | MYRIO. SPICATUM | 1.3 | 1.0 | 3700 | 130 | 1.2 | 0.0 |
| | | | | | POT. CRISPUS | 61.4 | 56.7 | | | | |
| | | | | | POT. CRISPUS | 1.8 | 1.1 | | | | |
| | | | | | VALLISNERIA AMER | 101.7 | 67.1 | | | | |
| | | | | | BUTOMUS UMBELLAT | 6.0 | 4.1 | | | | |
| | 2 | 314237 | 500992 | 4.0 | MYRIO. SPICATUM | 25.2 | 11.4 | 3700 | 130 | 1.2 | 0.0 |
| | | | | | POT. CRISPUS | 204.4 | 144.3 | | | | |
| | | | | | POT. CRISPUS | 14.4 | 7.9 | | | | |
| | | | | | VALLISNERIA AMER | 298.4 | 113.2 | | | | |
| | 3 | 314237 | 500992 | 4.0 | MYRIO. SPICATUM | 137.0 | 70.2 | 3700 | 130 | 1.2 | 0.0 |
| | | | | | POT. CRISPUS | 0.9 | 4.4 | | | | |
| | | | | | VALLISNERIA AMER | 265.2 | 104.8 | | | | |
| | | | | | BUTOMUS UMBELLAT | 2.3 | 1.3 | | | | |
| 8 | 1 | 314227 | 500994 | 2.8 | HETERANTHERA DUB | 188.5 | 115.5 | 3000 | 510 | 0.4 | 0.0 |
| | | | | | POT. CRISPUS | 13.7 | 10.9 | | | | |
| | 2 | 314227 | 500994 | 2.8 | ELODEA CANADENS | 2.3 | 0.1 | 3000 | 510 | 0.4 | 0.0 |
| | | | | | HETERANTHERA DUB | 50.8 | 36.0 | | | | |
| | | | | | POT. CRISPUS | 23.0 | 16.8 | | | | |
| | 3 | 314227 | 500994 | 2.8 | HETERANTHERA DUB | 306.1 | 153.6 | 3000 | 510 | 0.4 | 0.0 |
| 9 | 1 | 314247 | 500999 | 4.1 | HETERANTHERA DUB | 0.6 | 0.4 | 3500 | 270 | 1.3 | 0.5 |
| | | | | | MYRIO. SPICATUM | 157.3 | 127.4 | | | | |
| | 2 | 314247 | 500999 | 4.1 | MYRIO. SPICATUM | 98.6 | 78.5 | 3500 | 270 | 1.3 | 0.5 |
| | 3 | 314247 | 500999 | 4.1 | MYRIO. SPICATUM | 171.1 | 102.3 | 3500 | 270 | 1.3 | 0.5 |
| 10 | 1 | 314238 | 500998 | 2.0 | HETERANTHERA DUB | 174.7 | 77.4 | 1400 | 81 | 0.2 | 0.1 |
| | 2 | 314238 | 500998 | 2.0 | ELODEA CANADENS | 7.8 | 4.9 | 1400 | 81 | 0.2 | 0.1 |
| | | | | | HETERANTHERA DUB | 19.8 | 11.0 | | | | |
| | 3 | 314238 | 500998 | 2.0 | ELODEA CANADENS | 0.2 | 0.1 | 1400 | 81 | 0.2 | 0.1 |
| | | | | | HETERANTHERA DUB | 125.0 | 55.1 | | | | |
| | | | | | POT. CRISPUS | 2.0 | 1.5 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, SEPTEMBER, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR STAG | | 1 | 1 | 309027 | 497379 | 12.0 | NO PLANTS PRESENT | | | 3800 | 1300 | 2.9 | 2.4 |
| | | | 2 | 309027 | 497379 | 12.0 | NO PLANTS PRESENT | | | 3800 | 1300 | 2.9 | 2.4 |
| | | | 3 | 309027 | 497379 | 12.0 | NO PLANTS PRESENT | | | 3800 | 1300 | 2.9 | 2.4 |
| | | 2 | 1 | 309038 | 497383 | 12.5 | NO PLANTS PRESENT | | | 4500 | 1100 | 2.6 | 2.0 |
| | | | 2 | 309038 | 497383 | 12.5 | NO PLANTS PRESENT | | | 4500 | 1100 | 2.6 | 2.0 |
| | | | 3 | 309038 | 497383 | 12.5 | NO PLANTS PRESENT | | | 4500 | 1100 | 2.6 | 2.0 |
| | | 3 | 1 | 309026 | 497384 | 11.5 | NO PLANTS PRESENT | | | 3000 | 1200 | 2.5 | 2.0 |
| | | | 2 | 309026 | 497384 | 11.5 | NO PLANTS PRESENT | | | 3000 | 1200 | 2.5 | 2.0 |
| | | | 3 | 309026 | 497384 | 11.5 | NO PLANTS PRESENT | | | 3000 | 1200 | 2.5 | 2.0 |
| | | 4 | 1 | 309040 | 497391 | 12.0 | NO PLANTS PRESENT | | | 3800 | 1200 | 2.4 | 2.0 |
| | | | 2 | 309040 | 497391 | 12.0 | NO PLANTS PRESENT | | | 3800 | 1200 | 2.4 | 2.0 |
| | | | 3 | 309040 | 497391 | 12.0 | NO PLANTS PRESENT | | | 3800 | 1200 | 2.4 | 2.0 |
| | | 5 | 1 | 309034 | 497394 | 9.5 | CHARA SPP. | 1.7 | 0.5 | 180 | 140 | 1.7 | 1.0 |
| | | | | | | | POT. NARROW | 35.2 | 30.4 | | | | |
| | | | 2 | 309034 | 497394 | 9.5 | CHARA SPP. | 1.2 | 0.4 | 180 | 140 | 1.7 | 1.0 |
| | | | | | | | POT. NARROW | 7.8 | 5.6 | | | | |
| | | | 3 | 309034 | 497394 | 9.5 | POT. NARROW | 18.8 | 13.7 | 180 | 140 | 1.7 | 1.0 |
| | | 6 | 1 | 309041 | 497398 | 7.0 | CHARA SPP. | 48.0 | 15.5 | 2700 | 240 | 1.2 | 0.4 |
| | | | | | | | POT. GRAMINEUS | 79.3 | 58.3 | | | | |
| | | | 2 | 309041 | 497398 | 7.0 | CHARA SPP. | 244.1 | 74.9 | 2700 | 240 | 1.2 | 0.4 |
| | | | | | | | POT. GRAMINEUS | 74.6 | 52.5 | | | | |
| | | | | | | | POT. NARROW | 3.0 | 2.3 | | | | |
| | | | 3 | 309041 | 497398 | 7.0 | CHARA SPP. | 1.7 | 0.6 | 2700 | 240 | 1.2 | 0.4 |
| | | | | | | | POT. GRAMINEUS | 163.4 | 117.6 | | | | |
| | | 7 | 1 | 309038 | 497396 | 7.0 | CHARA SPP. | 43.7 | 14.2 | 3500 | 0 | 1.4 | 0.2 |
| | | | | | | | POT. GRAMINEUS | 122.0 | 80.1 | | | | |
| | | | | | | | POT. NARROW | 10.6 | 8.1 | | | | |
| | | | 2 | 309038 | 497396 | 7.0 | CHARA SPP. | 124.5 | 41.4 | 3500 | 0 | 1.4 | 0.2 |
| | | | | | | | POT. GRAMINEUS | 145.4 | 101.9 | | | | |
| | | | | | | | POT. NARROW | 32.9 | 26.3 | | | | |
| | | | 3 | 309038 | 497396 | 7.0 | CHARA SPP. | 9.4 | 3.0 | 3500 | 0 | 1.4 | 0.2 |
| | | | | | | | POT. GRAMINEUS | 158.4 | 105.3 | | | | |
| | | | | | | | POT. RICHARDSONI | 5.2 | 4.1 | | | | |
| | | | | | | | POT. NARROW | 26.0 | 20.5 | | | | |
| | | | 4 | 309033 | 497391 | 4.0 | CHARA SPP. | 182.0 | 53.8 | 3200 | 1900 | 1.9 | 1.5 |
| | | | | | | | POT. GRAMINEUS | 32.3 | 24.3 | | | | |
| | | | 5 | 309033 | 497391 | 4.0 | CHARA SPP. | 170.1 | 64.9 | 3200 | 1900 | 1.9 | 1.5 |
| | | | | | | | POT. GRAMINEUS | 31.4 | 6.4 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 309033 | 497391 | 4.0 | CHARA SPP. | 103.9 | 46.1 | 3200 | 1900 | 1.9 | 1.5 |
| | | | | | POT. GRAMINEUS | 60.0 | 42.7 | | | | |
| | | | | | POT. NARROW | 1.4 | 1.1 | | | | |
| 8 | 1 | 309048 | 497406 | 12.0 | POT. RICHARDSONI | 108.7 | 81.6 | 5100 | 29 | 0.6 | 0.2 |
| | | | | | POT. NARROW | 67.2 | 53.3 | | | | |
| | 2 | 309048 | 497406 | 12.0 | ELODEA CANADENS | 0.5 | 0.3 | 5100 | 29 | 0.6 | 0.2 |
| | | | | | NITELLA HYALINA | 1.6 | 0.6 | | | | |
| | | | | | POT. RICHARDSONI | 42.7 | 32.8 | | | | |
| | | | | | POT. NARROW | 43.6 | 33.6 | | | | |
| | 3 | 309048 | 497406 | 12.0 | ELODEA CANADENS | 60.0 | 51.0 | 5100 | 29 | 0.6 | 0.2 |
| | | | | | NITELLA HYALINA | 4.4 | 1.5 | | | | |
| | | | | | POT. RICHARDSONI | 60.1 | 45.3 | | | | |
| | | | | | POT. NARROW | 35.1 | 26.5 | | | | |
| | 4 | 309045 | 497405 | 9.0 | CHARA SPP. | TRACE | | 4500 | 0 | 0.6 | 0.1 |
| | | | | | ELODEA CANADENS | 64.3 | 46.2 | | | | |
| | | | | | MYRIO. SPICATUM | 30.0 | 24.2 | | | | |
| | | | | | POT. NARROW | 162.1 | 131.0 | | | | |
| | 5 | 309045 | 497405 | 9.0 | CHARA SPP. | 3.2 | 1.3 | 4500 | 0 | 0.6 | 0.1 |
| | | | | | ELODEA CANADENS | 173.7 | 118.2 | | | | |
| | | | | | POT. RICHARDSONI | 13.5 | 9.7 | | | | |
| | 6 | 309045 | 497405 | 9.0 | CHARA SPP. | TRACE | | 4500 | 0 | 0.6 | 0.1 |
| | | | | | ELODEA CANADENS | 38.0 | 27.1 | | | | |
| | | | | | MYRIO. SPICATUM | TRACE | | | | | |
| | | | | | POT. NARROW | 57.9 | 46.4 | | | | |
| 9 | 1 | 309039 | 497397 | 10.0 | CHARA SPP. | 3.1 | 1.3 | 3700 | 0 | 0.3 | 0.1 |
| | | | | | ELODEA CANADENS | 1.0 | 0.7 | | | | |
| | | | | | MYRIO. SPICATUM | 55.3 | 43.1 | | | | |
| | | | | | POT. RICHARDSONI | 66.4 | 54.6 | | | | |
| | 2 | 309039 | 497397 | 10.0 | ELODEA CANADENS | 0.5 | 0.3 | 3700 | 0 | 0.3 | 0.1 |
| | | | | | MYRIO. SPICATUM | 39.3 | 32.2 | | | | |
| | | | | | POT. RICHARDSONI | 46.5 | 37.2 | | | | |
| | 3 | 309039 | 497397 | 10.0 | MYRIO. SPICATUM | 60.0 | 47.5 | 3700 | 0 | 0.3 | 0.1 |
| | | | | | POT. RICHARDSONI | 76.8 | 59.3 | | | | |
| | 4 | 309035 | 497396 | 9.0 | CHARA SPP. | TRACE | | 3700 | 2 | 0.2 | 0.1 |
| | | | | | ELODEA CANADENS | 10.6 | 7.9 | | | | |
| | | | | | MYRIO. SPICATUM | 212.7 | 153.6 | | | | |
| | 5 | 309035 | 497396 | 9.0 | ELODEA CANADENS | 7.5 | 5.3 | 3700 | 2 | 0.2 | 0.1 |
| | | | | | MYRIO. SPICATUM | 70.6 | 56.7 | | | | |
| | 6 | 309035 | 497396 | 9.0 | ELODEA CANADENS | 1.5 | 1.0 | 3700 | 2 | 0.2 | 0.1 |
| | | | | | MYRIO. SPICATUM | 140.5 | 104.3 | | | | |
| | | | | | POT. CRISPUS | TRACE | | | | | |
| | 7 | 309036 | 497405 | 3.0 | CHARA SPP. | 111.4 | 38.4 | 190 | 140 | 0.5 | 0.4 |
| | 8 | 309036 | 497405 | 3.0 | CHARA SPP. | 120.1 | 41.7 | 190 | 140 | 0.5 | 0.4 |
| | 9 | 309036 | 497405 | 3.0 | CHARA SPP. | 144.8 | 45.0 | 190 | 140 | 0.5 | 0.4 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 1 | 309058 | 497410 | 12.0 | ELODEA CANADENS | 20.0 | 14.5 | 5100 | 500 | 0.9 | 0.2 |
| | | | | | NITELLA HYALINA | TRACE | | | | | |
| | | | | | POT. RICHARDSONI | 1.7 | 1.3 | | | | |
| | | | | | POT. NARROW | 41.7 | 33.1 | | | | |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| | 2 | 309058 | 497410 | 12.0 | ELODEA CANADENS | 14.4 | 10.1 | 5100 | 500 | 0.9 | 0.2 |
| | | | | | NITELLA HYALINA | 0.5 | 0.3 | | | | |
| | | | | | POT. RICHARDSONI | 8.6 | 5.8 | | | | |
| | | | | | POT. NARROW | 156.3 | 119.7 | | | | |
| | 3 | 309058 | 497410 | 12.0 | ELODEA CANADENS | 5.9 | 4.5 | 5100 | 500 | 0.9 | 0.2 |
| | | | | | MYRIO. SPICATUM | 3.5 | 2.8 | | | | |
| | | | | | NITELLA HYALINA | 4.1 | 2.6 | | | | |
| | | | | | POT. RICHARDSONI | 6.6 | 5.2 | | | | |
| | | | | | POT. NARROW | 106.2 | 85.4 | | | | |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| 11 | 1 | 309055 | 497413 | 12.0 | CHARA SPP. | 2.0 | 1.2 | 160 | 140 | 0.9 | 0.1 |
| | | | | | POT. RICHARDSONI | 3.5 | 2.7 | | | | |
| | | | | | POT. NARROW | 33.1 | 26.7 | | | | |
| | 2 | 309055 | 497413 | 12.0 | POT. NARROW | 198.4 | 154.7 | 160 | 140 | 0.9 | 0.1 |
| | 3 | 309055 | 497413 | 12.0 | ELODEA CANADENS | 3.4 | 2.1 | 160 | 140 | 0.9 | 0.1 |
| | | | | | NITELLA HYALINA | 0.1 | 0.0 | | | | |
| | | | | | POT. RICHARDSONI | 0.7 | 0.5 | | | | |
| | | | | | POT. NARROW | 148.5 | 117.5 | | | | |
| | 4 | 309047 | 497407 | 8.0 | CHARA SPP. | TRACE | | 4600 | 2800 | 1.1 | 0.5 |
| | | | | | ELODEA CANADENS | TRACE | | | | | |
| | | | | | POT. GRAMINEUS | 29.3 | 20.3 | | | | |
| | | | | | POT. RICHARDSONI | 182.6 | 83.2 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | 5 | 309047 | 497407 | 8.0 | CHARA SPP. | 10.2 | 4.9 | 4600 | 2800 | 1.1 | 0.5 |
| | | | | | ELODEA CANADENS | 1.2 | 0.7 | | | | |
| | | | | | MYRIO. SPICATUM | TRACE | | | | | |
| | | | | | POT. GRAMINEUS | 79.3 | 61.5 | | | | |
| | | | | | POT. RICHARDSONI | 1.2 | 0.9 | | | | |
| | | | | | POT. NARROW | 51.9 | 40.6 | | | | |
| | 6 | 309047 | 497407 | 8.0 | CHARA SPP. | TRACE | | 4600 | 2800 | 1.1 | 0.5 |
| | | | | | ELODEA CANADENS | 2.0 | 1.3 | | | | |
| | | | | | MYRIO. SPICATUM | 33.3 | 25.8 | | | | |
| | | | | | POT. GRAMINEUS | 85.0 | 59.4 | | | | |
| | | | | | POT. NARROW | 19.5 | 15.3 | | | | |
| | 7 | 309053 | 497410 | 7.0 | CHARA SPP. | 98.8 | 34.5 | 330 | 140 | 0.2 | 0.2 |
| | 8 | 309053 | 497410 | 7.0 | CHARA SPP. | 65.7 | 22.3 | 330 | 140 | 0.2 | 0.2 |
| | 9 | 309053 | 497410 | 7.0 | CHARA SPP. | 63.7 | 25.4 | 330 | 140 | 0.2 | 0.2 |
| 12 | 1 | 309042 | 497412 | 9.0 | ELODEA CANADENS | 64.8 | 52.1 | 4000 | 3100 | 0.2 | 0.1 |
| | | | | | MYRIO. SPICATUM | 22.9 | 15.6 | | | | |
| | | | | | POT. CRISPUS | 9.8 | 7.6 | | | | |
| | | | | | POT. RICHARDSONI | 12.1 | 12.1 | | | | |
| | | | | | POT. ZOSTERIFORM | 19.6 | 16.5 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 309042 | 497412 | 9.0 | ELODEA CANADENS | 60.7 | 47.0 | 4000 | 3100 | 0.2 | 0.1 |
| | | | | | MYRIO. SPICATUM | 37.7 | 27.9 | | | | |
| | | | | | POT. ZOSTERIFORM | 0.8 | 0.6 | | | | |
| | 3 | 309042 | 497412 | 9.0 | POT. RICHARDSONI | 19.1 | 15.5 | 4000 | 3100 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | 11.4 | 7.7 | | | | |
| | 4 | 309041 | 497411 | 9.5 | ELODEA CANADENS | 10.2 | 7.3 | 4000 | 3100 | 0.2 | 0.1 |
| | | | | | NITELLA HYALINA | 9.5 | 3.0 | | | | |
| | | | | | POT. RICHARDSONI | 18.1 | 12.0 | | | | |
| | | | | | POT. ZOSTERIFORM | 0.7 | 0.6 | | | | |
| | | | | | VALLISNERIA AMER | 0.8 | 0.4 | | | | |
| | 5 | 309041 | 497411 | 9.5 | ELODEA CANADENS | 10.3 | 7.7 | 4000 | 3100 | 0.2 | 0.1 |
| | | | | | POT. CRISPUS | 0.9 | 0.7 | | | | |
| | | | | | POT. RICHARDSONI | 54.7 | 44.7 | | | | |
| | | | | | POT. ZOSTERIFORM | 30.0 | 24.7 | | | | |
| | 6 | 309041 | 497411 | 9.5 | ELODEA CANADENS | 41.3 | 32.8 | 4000 | 3100 | 0.2 | 0.1 |
| | | | | | POT. RICHARDSONI | 58.5 | 47.3 | | | | |
| | | | | | POT. ZOSTERIFORM | 16.3 | 12.7 | | | | |
| | | | | | VALLISNERIA AMER | 7.1 | 4.3 | | | | |
| | 7 | 309042 | 497411 | 4.0 | CHARA SPP. | 276.4 | 99.4 | 140 | 100 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | 4.2 | 2.8 | | | | |
| | 8 | 309042 | 497411 | 4.0 | CHARA SPP. | 261.9 | 86.5 | 140 | 100 | 0.2 | 0.1 |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| | 9 | 309042 | 497411 | 4.0 | CHARA SPP. | 251.1 | 90.9 | 140 | 100 | 0.2 | 0.1 |
| 13 | 1 | 309058 | 497414 | 12.0 | ELODEA CANADENS | 21.1 | 18.1 | 4700 | 33 | 0.1 | 0.0 |
| | | | | | MYRIO. SPICATUM | 3.5 | 2.3 | | | | |
| | | | | | POT. CRISPUS | 22.8 | 20.4 | | | | |
| | | | | | POT. RICHARDSONI | 34.2 | 15.3 | | | | |
| | 2 | 309058 | 497414 | 12.0 | MYRIO. SPICATUM | 23.8 | 9.3 | 4700 | 33 | 0.1 | 0.0 |
| | | | | | POT. RICHARDSONI | 48.8 | 36.6 | | | | |
| | 3 | 309058 | 497414 | 12.0 | ELODEA CANADENS | 0.6 | 0.5 | 4700 | 33 | 0.1 | 0.0 |
| | | | | | MYRIO. SPICATUM | 14.7 | 10.6 | | | | |
| | | | | | POT. RICHARDSONI | 14.7 | 11.8 | | | | |
| 14 | 1 | 309070 | 497423 | 6.0 | CHARA SPP. | 3.1 | 1.1 | 4900 | 2700 | 2.3 | 1.9 |
| | | | | | POT. RICHARDSONI | 90.2 | 71.0 | | | | |
| | | | | | POT. NARROW | 36.7 | 28.8 | | | | |
| | 2 | 309070 | 497423 | 6.0 | CHARA SPP. | 0.3 | 0.1 | 4900 | 2700 | 2.3 | 1.9 |
| | | | | | POT. RICHARDSONI | 28.2 | 18.2 | | | | |
| | | | | | POT. NARROW | 6.1 | 3.3 | | | | |
| | 3 | 309070 | 497423 | 6.0 | CHARA SPP. | TRACE | | 4900 | 2700 | 2.3 | 1.9 |
| | | | | | POT. RICHARDSONI | 78.6 | 52.8 | | | | |
| | | | | | POT. NARROW | 8.1 | 6.4 | | | | |
| 15 | 1 | 309073 | 497433 | 5.0 | POT. NARROW | 33.7 | 19.3 | 3700 | 3100 | 0.5 | 0.5 |
| | 2 | 309073 | 497433 | 5.0 | CHARA SPP. | TRACE | | 3700 | 3100 | 0.5 | 0.5 |
| | | | | | POT. NARROW | 125.8 | 87.7 | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 309073 | 497433 | 5.0 | POT. GRAMINEUS | 4.8 | 2.9 | 3700 | 3100 | 0.5 | 0.5 |
| | | | | POT. NARROW | 47.6 | 27.3 | | | | |
| 4 | 309074 | 497429 | 2.5 | CHARA SPP. | 140.5 | 54.6 | 350 | 240 | 0.7 | 0.4 |
| | | | | POT. NARROW | 6.6 | 5.2 | | | | |
| 5 | 309074 | 497429 | 2.5 | CHARA SPP. | 119.8 | 36.1 | 350 | 240 | 0.7 | 0.4 |
| | | | | POT. GRAMINEUS | 0.6 | 0.5 | | | | |
| 6 | 309074 | 497429 | 2.5 | CHARA SPP. | 157.2 | 56.2 | 350 | 240 | 0.7 | 0.4 |
| | | | | POT. NARROW | 14.8 | 11.7 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, SEPTEMBER, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | FAWN | 1 | 1 | 309568 | 498250 | 10.0 | POT. GRAMINEUS | 86.4 | 65.8 | 550 | 24 | 2.6 | 0.3 |
| | | | 2 | 309568 | 498250 | 10.0 | POT. GRAMINEUS | 76.8 | 60.3 | 550 | 24 | 2.6 | 0.3 |
| | | | 3 | 309568 | 498250 | 10.0 | POT. GRAMINEUS | 93.5 | 73.4 | 550 | 24 | 2.6 | 0.3 |
| | | | | | | | POT. NARROW | 5.6 | 4.4 | | | | |
| | | 2 | 1 | 309580 | 498256 | 9.5 | CHARA SPP. | 0.3 | 0.1 | 850 | 3 | 0.5 | 0.0 |
| | | | | | | | ELODEA CANADENS | 3.9 | 2.9 | | | | |
| | | | | | | | POT. GRAMINEUS | 144.5 | 105.1 | | | | |
| | | | | | | | POT. NARROW | 18.0 | 14.1 | | | | |
| | | | 2 | 309580 | 498256 | 9.5 | NITELLA HYALINA | 3.0 | 1.6 | 850 | 3 | 0.5 | 0.0 |
| | | | | | | | POT. RICHARDSONI | 123.5 | 90.7 | | | | |
| | | | | | | | POT. NARROW | 9.5 | 7.7 | | | | |
| | | | 3 | 309580 | 498256 | 9.5 | ELODEA CANADENS | 0.8 | 0.6 | 850 | 3 | 0.5 | 0.0 |
| | | | | | | | NITELLA HYALINA | 5.5 | 2.5 | | | | |
| | | | | | | | POT. RICHARDSONI | 199.9 | 135.3 | | | | |
| | | | 4 | 309581 | 498255 | 7.0 | CHARA SPP. | 362.5 | 97.3 | 1400 | 410 | 1.7 | 0.9 |
| | | | | | | | POT. GRAMINEUS | 14.4 | 10.6 | | | | |
| | | | 5 | 309581 | 498255 | 7.0 | CHARA SPP. | 94.1 | 29.2 | 1400 | 410 | 1.7 | 0.9 |
| | | | | | | | POT. GRAMINEUS | 6.0 | 4.6 | | | | |
| | | | 6 | 309581 | 498255 | 7.0 | CHARA SPP. | 219.2 | 48.2 | 1400 | 410 | 1.7 | 0.9 |
| | | | | | | | POT. GRAMINEUS | 4.0 | 2.9 | | | | |
| | | 3 | 1 | 309590 | 498263 | 10.0 | NITELLA HYALINA | 1.8 | 0.8 | 1700 | 13 | 0.3 | 0.0 |
| | | | | | | | POT. RICHARDSONI | 70.3 | 45.4 | | | | |
| | | | | | | | POT. NARROW | 0.2 | 0.1 | | | | |
| | | | 2 | 309590 | 498263 | 10.0 | CHARA SPP. | 1.3 | 0.5 | 1700 | 13 | 0.3 | 0.0 |
| | | | | | | | POT. RICHARDSONI | 135.9 | 99.1 | | | | |
| | | | | | | | POT. NARROW | 2.3 | 1.7 | | | | |
| | | | | | | | NITELLOP. OBTUSA | 13.5 | 5.1 | | | | |
| | | | 3 | 309590 | 498263 | 10.0 | POT. RICHARDSONI | 54.6 | 39.1 | 1700 | 13 | 0.3 | 0.0 |
| | | | | | | | NITELLOP. OBTUSA | 9.4 | 3.9 | | | | |
| | | | 4 | 309579 | 498261 | 5.0 | CHARA SPP. | 265.0 | 59.9 | 1500 | 440 | 1.6 | 1.4 |
| | | | 5 | 309579 | 498261 | 5.0 | CHARA SPP. | 224.3 | 65.9 | 1500 | 440 | 1.6 | 1.4 |
| | | | 6 | 309579 | 498261 | 5.0 | CHARA SPP. | 211.4 | 65.1 | 1500 | 440 | 1.6 | 1.4 |
| | | 4 | 1 | 309578 | 498261 | 4.5 | CHARA SPP. | 159.1 | 33.6 | 1500 | 840 | 1.2 | 0.9 |
| | | | | | | | POT. NARROW | 3.4 | 2.4 | | | | |
| | | | 2 | 309578 | 498261 | 4.5 | CHARA SPP. | 282.7 | 58.1 | 1500 | 840 | 1.2 | 0.9 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 309578 | 498261 | 4.5 | CHARA SPP. | 170.1 | 34.9 | 1500 | 840 | 1.2 | 0.9 |
| 5 | 1 | 309601 | 498269 | 5.5 | CHARA SPP. | 556.9 | 289.0 | 1100 | 400 | 1.4 | 0.2 |
| | | | | | NAJAS FLEXILIS | 23.5 | 14.4 | | | | |
| | | | | | POT. GRAMINEUS | 49.5 | 31.0 | | | | |
| | | | | | VALLISNERIA AMER | 7.4 | 3.6 | | | | |
| | 2 | 309601 | 498269 | 5.5 | CHARA SPP. | 327.8 | 104.3 | 1100 | 400 | 1.4 | 0.2 |
| | | | | | NAJAS FLEXILIS | 0.7 | 0.4 | | | | |
| | | | | | POT. GRAMINEUS | 34.7 | 21.9 | | | | |
| | | | | | VALLISNERIA AMER | 5.2 | 3.8 | | | | |
| | 3 | 309601 | 498269 | 5.5 | CHARA SPP. | 350.3 | 134.6 | 1100 | 400 | 1.4 | 0.2 |
| | | | | | NAJAS FLEXILIS | 9.0 | 5.3 | | | | |
| | | | | | POT. GRAMINEUS | 26.0 | 18.1 | | | | |
| | | | | | POT. NARROW | 0.6 | 0.4 | | | | |
| | | | | | VALLISNERIA AMER | 2.6 | 1.8 | | | | |
| 6 | 1 | 309594 | 498269 | 4.0 | CHARA SPP. | 251.3 | 49.9 | 2400 | 2200 | 0.9 | 0.9 |
| | | | | | POT. GRAMINEUS | 0.4 | 0.3 | | | | |
| | 2 | 309594 | 498269 | 4.0 | CHARA SPP. | 460.8 | 124.2 | 2400 | 2200 | 0.9 | 0.9 |
| | | | | | NAJAS FLEXILIS | 1.8 | 1.1 | | | | |
| | | | | | POT. GRAMINEUS | 1.2 | 0.6 | | | | |
| | | | | | POT. NARROW | 2.9 | 2.3 | | | | |
| | 3 | 309594 | 498269 | 4.0 | CHARA SPP. | 58.5 | 17.6 | 2400 | 2200 | 0.9 | 0.9 |
| | | | | | POT. GRAMINEUS | TRACE | | | | | |
| 7 | 1 | 309585 | 498267 | 3.0 | CHARA SPP. | 29.9 | 9.8 | 820 | 71 | 0.2 | 0.1 |
| | | | | | NAJAS FLEXILIS | 0.4 | 0.2 | | | | |
| | | | | | POT. GRAMINEUS | 76.3 | 58.7 | | | | |
| | | | | | POT. RICHARDSONI | 12.6 | 10.4 | | | | |
| | | | | | POT. NARROW | 37.8 | 30.2 | | | | |
| | 2 | 309585 | 498267 | 3.0 | CHARA SPP. | 0.4 | 0.1 | 820 | 71 | 0.2 | 0.1 |
| | | | | | POT. GRAMINEUS | 76.1 | 51.5 | | | | |
| | | | | | POT. RICHARDSONI | 12.9 | 10.2 | | | | |
| | | | | | POT. NARROW | 34.3 | 27.6 | | | | |
| | 3 | 309585 | 498267 | 3.0 | CHARA SPP. | 4.1 | 1.3 | 820 | 71 | 0.2 | 0.1 |
| | | | | | POT. GRAMINEUS | 133.2 | 106.3 | | | | |
| | | | | | POT. RICHARDSONI | 3.5 | 3.0 | | | | |
| | | | | | POT. NARROW | 13.6 | 10.4 | | | | |
| 8 | 1 | 309607 | 498273 | 5.0 | CHARA SPP. | 0.3 | 0.1 | 1100 | 16 | 0.2 | 0.1 |
| | | | | | POT. GRAMINEUS | 59.4 | 24.8 | | | | |
| | | | | | POT. NARROW | 4.4 | 3.4 | | | | |
| | 2 | 309607 | 498273 | 5.0 | POT. GRAMINEUS | 94.1 | 73.6 | 1100 | 16 | 0.2 | 0.1 |
| | 3 | 309607 | 498273 | 5.0 | CHARA SPP. | 10.7 | 3.5 | 1100 | 16 | 0.2 | 0.1 |
| | | | | | ELODEA CANADENS | 0.3 | 0.2 | | | | |
| | | | | | POT. GRAMINEUS | 79.1 | 55.3 | | | | |
| | | | | | POT. RICHARDSONI | 91.0 | 72.0 | | | | |
| | | | | | POT. NARROW | 15.5 | 12.2 | | | | |
| | 4 | 309608 | 498276 | 3.5 | CHARA SPP. | 293.7 | 87.4 | 4100 | 1100 | 1.0 | 0.5 |
| | | | | | NAJAS FLEXILIS | 0.3 | 0.2 | | | | |
| | | | | | POT. GRAMINEUS | 10.2 | 5.8 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. NARROW | 0.3 | 0.2 | | | | |
| | 5 | 309608 | 498276 | 3.5 | CHARA SPP. | 146.7 | 46.2 | 4100 | 1100 | 1.0 | 0.5 |
| | | | | | POT. GRAMINEUS | 4.8 | 3.6 | | | | |
| | | | | | POT. NARROW | 1.5 | 1.1 | | | | |
| | 6 | 309608 | 498276 | 3.5 | CHARA SPP. | 393.0 | 135.5 | 4100 | 1100 | 1.0 | 0.5 |
| | | | | | NAJAS FLEXILIS | 0.4 | 0.2 | | | | |
| | | | | | POT. GRAMINEUS | 8.5 | 5.6 | | | | |
| 9 | 1 | 309592 | 498273 | 3.0 | CHARA SPP. | 167.6 | 56.1 | 3200 | 2600 | 0.5 | 0.4 |
| | | | | | NAJAS FLEXILIS | 8.8 | 6.0 | | | | |
| | | | | | POT. GRAMINEUS | 19.3 | 13.6 | | | | |
| | 2 | 309592 | 498273 | 3.0 | CHARA SPP. | 359.5 | 115.9 | 3200 | 2600 | 0.5 | 0.4 |
| | | | | | NAJAS FLEXILIS | 4.9 | 3.4 | | | | |
| | | | | | POT. GRAMINEUS | 19.1 | 13.4 | | | | |
| | 3 | 309592 | 498273 | 3.0 | CHARA SPP. | 231.4 | 70.7 | 3200 | 2600 | 0.5 | 0.4 |
| | | | | | NAJAS FLEXILIS | 1.8 | 1.0 | | | | |
| | | | | | POT. GRAMINEUS | 9.0 | 6.3 | | | | |
| | | | | | POT. ZOSTERIFORM | 0.3 | 0.2 | | | | |
| 10 | 1 | 309619 | 498280 | 5.0 | POT. RICHARDSONI | 112.4 | 76.8 | 1800 | 16 | 0.3 | 0.1 |
| | | | | | POT. NARROW | 15.8 | 13.3 | | | | |
| | 2 | 309619 | 498280 | 5.0 | CHARA SPP. | 77.8 | 22.8 | 1800 | 16 | 0.3 | 0.1 |
| | | | | | POT. GRAMINEUS | 70.9 | 56.0 | | | | |
| | | | | | POT. RICHARDSONI | 12.2 | 9.8 | | | | |
| | | | | | VALLISNERIA AMER | 3.4 | 2.5 | | | | |
| | 3 | 309619 | 498280 | 5.0 | POT. GRAMINEUS | 71.0 | 45.0 | 1800 | 16 | 0.3 | 0.1 |
| | | | | | POT. RICHARDSONI | 123.9 | 86.0 | | | | |
| | | | | | POT. NARROW | 50.2 | 41.8 | | | | |
| 11 | 1 | 309614 | 498280 | 3.5 | CHARA SPP. | 111.8 | 39.5 | 4200 | 1100 | 0.4 | 0.4 |
| | | | | | NAJAS FLEXILIS | TRACE | | | | | |
| | | | | | POT. GRAMINEUS | 26.6 | 19.4 | | | | |
| | | | | | POT. RICHARDSONI | 4.1 | 3.5 | | | | |
| | | | | | POT. NARROW | 1.6 | 1.4 | | | | |
| | | | | | VALLISNERIA AMER | 38.0 | 21.8 | | | | |
| | 2 | 309614 | 498280 | 3.5 | CHARA SPP. | 148.7 | 52.3 | 4200 | 1100 | 0.4 | 0.4 |
| | | | | | POT. GRAMINEUS | 26.5 | 17.7 | | | | |
| | | | | | VALLISNERIA AMER | 7.2 | 3.8 | | | | |
| | 3 | 309614 | 498280 | 3.5 | CHARA SPP. | 114.3 | 37.2 | 4200 | 1100 | 0.4 | 0.4 |
| | | | | | POT. GRAMINEUS | 31.8 | 20.8 | | | | |
| | | | | | POT. RICHARDSONI | 3.8 | 3.2 | | | | |
| | | | | | POT. NARROW | 8.8 | 7.3 | | | | |
| | | | | | VALLISNERIA AMER | 18.2 | 12.4 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, SEPTEMBER, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CLAIR | RUSSELL | 1 | 1 | 309952 | 498653 | 11.0 | CHARA SPP. | 42.5 | 17.2 | 530 | 6 | 2.0 | 1.4 |
| | | | | | | | POT. ZOSTERIFORM | 1.3 | 0.9 | | | | |
| | | | | | | | POT. NARROW | 106.6 | 84.1 | | | | |
| | | | 2 | 309952 | 498653 | 11.0 | POT. NARROW | 109.1 | 88.2 | 530 | 6 | 2.0 | 1.4 |
| | | | 3 | 309952 | 498653 | 11.0 | POT. NARROW | 87.9 | 68.8 | 530 | 6 | 2.0 | 1.4 |
| | | 2 | 1 | 309943 | 498653 | 9.0 | CHARA SPP. | 553.0 | 381.4 | 260 | 16 | 1.3 | 0.2 |
| | | | | | | | POT. GRAMINEUS | 217.3 | 169.6 | | | | |
| | | | 2 | 309943 | 498653 | 9.0 | CHARA SPP. | 220.3 | 63.2 | 260 | 16 | 1.3 | 0.2 |
| | | | | | | | POT. GRAMINEUS | 100.0 | 66.2 | | | | |
| | | | | | | | POT. NARROW | 56.0 | 44.1 | | | | |
| | | | 3 | 309943 | 498653 | 9.0 | POT. GRAMINEUS | 216.1 | 170.9 | 260 | 16 | 1.3 | 0.2 |
| | | | | | | | POT. NARROW | 5.5 | 4.3 | | | | |
| | | 3 | 1 | 309968 | 498658 | 8.0 | ELODEA CANADENS | 28.6 | 15.2 | 1500 | 20 | 0.5 | 0.2 |
| | | | | | | | POT. RICHARDSONI | 643.4 | 532.9 | | | | |
| | | | 2 | 309968 | 498658 | 8.0 | CHARA SPP. | 2.9 | 1.2 | 1500 | 20 | 0.5 | 0.2 |
| | | | | | | | POT. RICHARDSONI | 324.5 | 268.0 | | | | |
| | | | | | | | POT. NARROW | 10.4 | 8.2 | | | | |
| | | | 3 | 309968 | 498658 | 8.0 | CHARA SPP. | 0.3 | 0.1 | 1500 | 20 | 0.5 | 0.2 |
| | | | | | | | ELODEA CANADENS | 1.0 | 0.6 | | | | |
| | | | | | | | POT. RICHARDSONI | 189.8 | 148.6 | | | | |
| | | | | | | | POT. NARROW | 12.5 | 9.9 | | | | |
| | | | 4 | 309968 | 498662 | 7.0 | CHARA SPP. | 29.5 | 14.5 | 1200 | 55 | 0.7 | 0.1 |
| | | | | | | | ELODEA CANADENS | 5.6 | 4.2 | | | | |
| | | | | | | | POT. GRAMINEUS | 68.5 | 47.7 | | | | |
| | | | | | | | POT. NARROW | 16.6 | 13.7 | | | | |
| | | | | | | | VALLISNERIA AMER | 4.0 | 2.8 | | | | |
| | | | 5 | 309968 | 498662 | 7.0 | CHARA SPP. | 139.3 | 40.4 | 1200 | 55 | 0.7 | 0.1 |
| | | | | | | | POT. GRAMINEUS | 294.3 | 217.0 | | | | |
| | | | | | | | POT. NARROW | 40.2 | 31.9 | | | | |
| | | | | | | | VALLISNERIA AMER | 2.2 | 1.4 | | | | |
| | | | 6 | 309968 | 498662 | 7.0 | CHARA SPP. | 181.6 | 50.7 | 1200 | 55 | 0.7 | 0.1 |
| | | | | | | | POT. GRAMINEUS | 165.0 | 106.2 | | | | |
| | | | | | | | POT. NARROW | 14.0 | 10.9 | | | | |
| | | | | | | | VALLISNERIA AMER | 1.9 | 1.0 | | | | |
| | | 4 | 1 | 309956 | 498654 | 9.0 | CHARA SPP. | 0.5 | 0.2 | 1800 | 4 | 0.4 | 0.1 |
| | | | | | | | ELODEA CANADENS | 0.5 | 0.4 | | | | |
| | | | | | | | POT. RICHARDSONI | 320.3 | 276.9 | | | | |
| | | | | | | | POT. NARROW | 19.1 | 15.7 | | | | |
| | | | 2 | 309956 | 498654 | 9.0 | CHARA SPP. | 3.5 | 1.3 | 1800 | 4 | 0.4 | 0.1 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ELODEA CANADENS | 5.9 | 3.8 | | | | |
| | | | | | POT. RICHARDSONI | 70.7 | 52.7 | | | | |
| | | | | | POT. NARROW | 54.8 | 46.0 | | | | |
| | 3 | 309956 | 498654 | 9.0 | MYRIO. SPICATUM | 8.4 | 6.6 | 1800 | 4 | 0.4 | 0.1 |
| | | | | | POT. RICHARDSONI | 262.6 | 176.5 | | | | |
| | | | | | POT. NARROW | 64.7 | 51.3 | | | | |
| 5 | 1 | 309953 | 498656 | 7.0 | POT. RICHARDSONI | 83.2 | 63.4 | 1000 | 3 | 0.2 | 0.1 |
| | 2 | 309953 | 498656 | 7.0 | CHARA SPP. | 0.9 | 0.3 | 1000 | 3 | 0.2 | 0.1 |
| | | | | | POT. RICHARDSONI | 73.1 | 53.2 | | | | |
| | | | | | POT. NARROW | 52.9 | 41.5 | | | | |
| | 3 | 309953 | 498656 | 7.0 | CHARA SPP. | TRACE | | 1000 | 3 | 0.2 | 0.1 |
| | | | | | POT. RICHARDSONI | 142.3 | 97.9 | | | | |
| | | | | | POT. NARROW | 46.6 | 35.7 | | | | |
| 6 | 1 | 309945 | 498655 | 7.0 | CHARA SPP. | 3.1 | 1.0 | 1300 | 10 | 0.9 | 0.2 |
| | | | | | POT. GRAMINEUS | 381.7 | 317.2 | | | | |
| | | | | | POT. NARROW | 87.5 | 70.9 | | | | |
| | 2 | 309945 | 498655 | 7.0 | POT. GRAMINEUS | 167.5 | 120.9 | 1300 | 10 | 0.9 | 0.2 |
| | | | | | POT. NARROW | 95.6 | 73.2 | | | | |
| | 3 | 309945 | 498655 | 7.0 | POT. GRAMINEUS | 163.0 | 124.5 | 1300 | 10 | 0.9 | 0.2 |
| | | | | | POT. NARROW | 42.5 | 34.5 | | | | |
| 7 | 1 | 309967 | 498663 | 7.0 | CHARA SPP. | 23.3 | 7.0 | 1300 | 36 | 0.8 | 0.1 |
| | | | | | POT. GRAMINEUS | 165.0 | 123.7 | | | | |
| | | | | | POT. NARROW | 60.2 | 49.4 | | | | |
| | 2 | 309967 | 498663 | 7.0 | CHARA SPP. | 53.0 | 15.7 | 1300 | 36 | 0.8 | 0.1 |
| | | | | | POT. GRAMINEUS | 194.6 | 137.5 | | | | |
| | | | | | POT. NARROW | 62.1 | 50.7 | | | | |
| | 3 | 309967 | 498663 | 7.0 | CHARA SPP. | 359.2 | 230.9 | 1300 | 36 | 0.8 | 0.1 |
| | | | | | POT. GRAMINEUS | 131.6 | 96.7 | | | | |
| | | | | | POT. NARROW | 71.8 | 58.1 | | | | |
| 8 | 1 | 309962 | 498664 | 4.0 | ELODEA CANADENS | 0.9 | 0.7 | 2500 | 1100 | 0.7 | 0.2 |
| | | | | | POT. GRAMINEUS | 195.8 | 152.0 | | | | |
| | | | | | POT. NARROW | 173.1 | 145.6 | | | | |
| | 2 | 309962 | 498664 | 4.0 | ELODEA CANADENS | 3.7 | 2.7 | 2500 | 1100 | 0.7 | 0.2 |
| | | | | | POT. GRAMINEUS | 283.3 | 253.1 | | | | |
| | | | | | POT. NARROW | 376.1 | 344.5 | | | | |
| | 3 | 309962 | 498664 | 4.0 | POT. GRAMINEUS | 162.3 | 115.0 | 2500 | 1100 | 0.7 | 0.2 |
| | | | | | POT. NARROW | 216.5 | 175.6 | | | | |
| | 4 | 309965 | 498662 | 4.0 | CHARA SPP. | 630.7 | 315.6 | 2500 | 1200 | 0.8 | 0.2 |
| | | | | | POT. GRAMINEUS | 32.1 | 23.7 | | | | |
| | 5 | 309965 | 498662 | 4.0 | CHARA SPP. | 305.7 | 96.1 | 2500 | 1200 | 0.8 | 0.2 |
| | | | | | NAJAS FLEXILIS | 0.7 | 0.4 | | | | |
| | | | | | POT. GRAMINEUS | 14.6 | 10.1 | | | | |
| | 6 | 309965 | 498662 | 4.0 | CHARA SPP. | 468.5 | 163.5 | 2500 | 1200 | 0.8 | 0.2 |
| | | | | | NAJAS FLEXILIS | 0.5 | 0.3 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | POT. NARROW | 0.9 | 0.5 | | | | |
| 9 | 1 | 309956 | 498663 | 5.0 | CHARA SPP. | 48.7 | 15.5 | 2400 | 1000 | 1.2 | 0.6 |
| | | | | | POT. GRAMINEUS | 227.9 | 155.6 | | | | |
| | | | | | POT. NARROW | 102.3 | 84.8 | | | | |
| | 2 | 309956 | 498663 | 5.0 | CHARA SPP. | 77.4 | 26.2 | 2400 | 1000 | 1.2 | 0.6 |
| | | | | | POT. GRAMINEUS | 559.0 | 512.4 | | | | |
| | | | | | POT. NARROW | 67.1 | 55.5 | | | | |
| | 3 | 309956 | 498663 | 5.0 | POT. GRAMINEUS | 159.6 | 113.6 | 2400 | 1000 | 1.2 | 0.6 |
| | | | | | POT. NARROW | 77.8 | 64.1 | | | | |
| | 4 | 309951 | 498661 | 4.0 | CHARA SPP. | 763.3 | 504.9 | 2500 | 1000 | 1.3 | 0.6 |
| | | | | | POT. GRAMINEUS | 13.0 | 8.9 | | | | |
| | | | | | POT. NARROW | 0.7 | 0.4 | | | | |
| | 5 | 309951 | 498661 | 4.0 | CHARA SPP. | 212.5 | 80.5 | 2500 | 1000 | 1.3 | 0.6 |
| | | | | | POT. GRAMINEUS | 9.4 | 6.6 | | | | |
| | | | | | VALLISNERIA AMER | 0.2 | 0.1 | | | | |
| | 6 | 309951 | 498661 | 4.0 | CHARA SPP. | 569.8 | 213.2 | 2500 | 1000 | 1.3 | 0.6 |
| | | | | | POT. GRAMINEUS | 18.9 | 13.4 | | | | |

SUBMERSED MACROPHYTE PONAR DATA, SEPTEMBER, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | BELLE | 1 | 1 | 312759 | 499951 | 11.0 | VALLISNERIA AMER | 61.8 | 35.6 | 300 | 16 | 0.5 | 0.1 |
| | | | 2 | 312759 | 499951 | 11.0 | POT. GRAMINEUS | 7.8 | 6.3 | 300 | 16 | 0.5 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 63.1 | 32.8 | | | | |
| | | | | | | | BUTOMUS UMBELLAT | 2.4 | 1.6 | | | | |
| | | | 3 | 312759 | 499951 | 11.0 | NAJAS FLEXILIS | TRACE | | 300 | 16 | 0.5 | 0.1 |
| | | | | | | | POT. GRAMINEUS | TRACE | | | | | |
| | | | | | | | POT. NARROW | 13.6 | 11.2 | | | | |
| | | | | | | | VALLISNERIA AMER | 44.6 | 34.0 | | | | |
| | | 2 | 1 | 312768 | 499959 | 8.0 | VALLISNERIA AMER | 72.8 | 40.6 | 620 | 90 | 0.2 | 0.1 |
| | | | 2 | 312768 | 499959 | 8.0 | POT. ZOSTERIFORM | 6.6 | 5.1 | 620 | 90 | 0.2 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 22.6 | 13.4 | | | | |
| | | | 3 | 312768 | 499959 | 8.0 | VALLISNERIA AMER | 102.0 | 61.8 | 620 | 90 | 0.2 | 0.1 |
| | | 3 | 1 | 312780 | 499965 | 9.0 | POT. RICHARDSONI | 58.7 | 43.5 | 900 | 35 | 0.3 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 82.0 | 52.3 | | | | |
| | | | 2 | 312780 | 499965 | 9.0 | POT. CRISPUS | TRACE | | 900 | 35 | 0.3 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 118.2 | 80.3 | | | | |
| | | | | | | | VALLISNERIA AMER | 20.8 | 11.2 | | | | |
| | | | 3 | 312780 | 499965 | 9.0 | POT. CRISPUS | 2.3 | 1.6 | 900 | 35 | 0.3 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 104.2 | 67.4 | | | | |
| | | | | | | | VALLISNERIA AMER | 47.6 | 29.5 | | | | |
| | | 4 | 1 | 312789 | 499974 | 9.0 | CHARA SPP. | 15.2 | 4.8 | 1300 | 350 | 1.6 | 0.4 |
| | | | | | | | NAJAS FLEXILIS | 19.1 | 13.3 | | | | |
| | | | | | | | VALLISNERIA AMER | 26.4 | 16.1 | | | | |
| | | | 2 | 312789 | 499974 | 9.0 | CHARA SPP. | 35.6 | 11.1 | 1300 | 350 | 1.6 | 0.4 |
| | | | | | | | NAJAS FLEXILIS | 79.0 | 64.1 | | | | |
| | | | | | | | POT. NARROW | 9.7 | 6.8 | | | | |
| | | | | | | | VALLISNERIA AMER | 22.5 | 13.3 | | | | |
| | | | 3 | 312789 | 499974 | 9.0 | CHARA SPP. | 19.0 | 2.9 | 1300 | 350 | 1.6 | 0.4 |
| | | | | | | | VALLISNERIA AMER | 36.3 | 22.4 | | | | |
| | | 5 | 1 | 312804 | 499983 | 8.0 | POT. RICHARDSONI | 8.6 | 6.7 | 1500 | 220 | 0.5 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 20.7 | 14.6 | | | | |
| | | | 2 | 312804 | 499983 | 8.0 | ELODEA CANADENS | 1.9 | 1.2 | 1500 | 220 | 0.5 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 24.7 | 19.1 | | | | |
| | | | | | | | VALLISNERIA AMER | 43.7 | 28.7 | | | | |
| | | | 3 | 312804 | 499983 | 8.0 | MYRIO. SPICATUM | 3.7 | 2.4 | 1500 | 220 | 0.5 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 12.0 | 9.6 | | | | |
| | | | | | | | VALLISNERIA AMER | 43.2 | 28.5 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 1 | 312810 | 499986 | 11.0 | NAJAS FLEXILIS | 1.4 | 0.7 | 2600 | 150 | 2.0 | 1.4 |
| | | | | | VALLISNERIA AMER | 40.4 | 24.3 | | | | |
| | 2 | 312810 | 499986 | 11.0 | VALLISNERIA AMER | 44.4 | 25.2 | 2600 | 150 | 2.0 | 1.4 |
| | 3 | 312810 | 499986 | 11.0 | POT. RICHARDSONI | 1.6 | 1.2 | 2600 | 150 | 2.0 | 1.4 |
| | | | | | VALLISNERIA AMER | 8.4 | 4.1 | | | | |
| 7 | 1 | 312852 | 499996 | 4.5 | NAJAS FLEXILIS | TRACE | | 3000 | 280 | 0.1 | 0.0 |
| | | | | | NITELLA HYALINA | 188.5 | 65.6 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | | | | | VALLISNERIA AMER | TRACE | | | | | |
| | 2 | 312852 | 499996 | 4.5 | CHARA SPP. | 195.6 | 76.4 | 3000 | 280 | 0.1 | 0.0 |
| | | | | | VALLISNERIA AMER | 1.4 | 0.9 | | | | |
| | 3 | 312852 | 499996 | 4.5 | CHARA SPP. | 198.1 | 65.4 | 3000 | 280 | 0.1 | 0.0 |
| | | | | | MYRIO. SPICATUM | TRACE | | | | | |
| | | | | | NAJAS FLEXILIS | 17.1 | 12.4 | | | | |
| | | | | | VALLISNERIA AMER | 10.9 | 5.2 | | | | |
| | | | | | NITELLOP. OBTUSA | 83.5 | 30.3 | | | | |
| | 4 | 312858 | 499997 | 7.0 | MYRIO. SPICATUM | 6.8 | 5.2 | 4000 | 190 | 0.1 | 0.0 |
| | | | | | POT. RICHARDSONI | 21.8 | 15.8 | | | | |
| | | | | | VALLISNERIA AMER | 58.2 | 36.6 | | | | |
| | | | | | NITELLOP. OBTUSA | 11.6 | 5.2 | | | | |
| | 5 | 312858 | 499997 | 7.0 | MYRIO. SPICATUM | 7.3 | 5.4 | 4000 | 190 | 0.1 | 0.0 |
| | | | | | POT. RICHARDSONI | 13.7 | 10.8 | | | | |
| | | | | | VALLISNERIA AMER | 53.3 | 31.9 | | | | |
| | | | | | NITELLOP. OBTUSA | 74.0 | 25.5 | | | | |
| | 6 | 312858 | 499997 | 7.0 | MYRIO. SPICATUM | TRACE | | 4000 | 190 | 0.1 | 0.0 |
| | | | | | POT. RICHARDSONI | 10.7 | 8.9 | | | | |
| | | | | | VALLISNERIA AMER | 14.3 | 8.5 | | | | |
| | | | | | NITELLOP. OBTUSA | 68.5 | 26.6 | | | | |
| 8 | 1 | 312845 | 499994 | 6.0 | MYRIO. SPICATUM | 9.1 | 6.3 | 3500 | 1000 | 0.2 | 0.1 |
| | | | | | NITELLOP. OBTUSA | 242.4 | 95.7 | | | | |
| | 2 | 312845 | 499994 | 6.0 | MYRIO. SPICATUM | TRACE | | 3500 | 1000 | 0.2 | 0.1 |
| | | | | | NITELLOP. OBTUSA | 181.5 | 72.5 | | | | |
| | 3 | 312845 | 499994 | 6.0 | MYRIO. SPICATUM | 6.9 | 5.6 | 3500 | 1000 | 0.2 | 0.1 |
| | | | | | NITELLOP. OBTUSA | 191.5 | 68.4 | | | | |
| | 4 | 312840 | 499995 | 7.0 | MYRIO. SPICATUM | 361.2 | 175.2 | 4000 | 620 | 0.1 | 0.0 |
| | | | | | VALLISNERIA AMER | 22.0 | 13.1 | | | | |
| | | | | | NITELLOP. OBTUSA | 76.4 | 35.2 | | | | |
| | 5 | 312840 | 499995 | 7.0 | MYRIO. SPICATUM | 310.0 | 232.0 | 4000 | 620 | 0.1 | 0.0 |
| | | | | | VALLISNERIA AMER | 5.2 | 2.2 | | | | |
| | | | | | NITELLOP. OBTUSA | 10.2 | 4.7 | | | | |
| | 6 | 312840 | 499995 | 7.0 | MYRIO. SPICATUM | 106.1 | 78.8 | 4000 | 620 | 0.1 | 0.0 |
| | | | | | POT. RICHARDSONI | 9.4 | 6.4 | | | | |
| | | | | | VALLISNERIA AMER | 19.8 | 11.2 | | | | |
| | | | | | NITELLOP. OBTUSA | 12.5 | 5.1 | | | | |
| 9 | 1 | 312833 | 499996 | 7.0 | MYRIO. SPICATUM | 110.5 | 77.0 | 4500 | 360 | 0.3 | 0.1 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | VALLISNERIA AMER | 8.0 | 5.2 | | | | |
| | | | | | NITELLOP. OBTUSA | 9.4 | 4.0 | | | | |
| | 2 | 312833 | 499996 | 7.0 | CHARA SPP. | 66.9 | 27.2 | 4500 | 360 | 0.3 | 0.1 |
| | | | | | MYRIO. SPICATUM | 34.8 | 16.2 | | | | |
| | | | | | POT. RICHARDSONI | 2.0 | 1.3 | | | | |
| | | | | | VALLISNERIA AMER | 2.5 | 1.6 | | | | |
| | 3 | 312833 | 499996 | 7.0 | CHARA SPP. | 10.4 | 3.6 | 4500 | 360 | 0.3 | 0.1 |
| | | | | | MYRIO. SPICATUM | 47.7 | 35.7 | | | | |
| | | | | | POT. NARROW | TRACE | | | | | |
| | | | | | VALLISNERIA AMER | 2.2 | 0.9 | | | | |
| | | | | | NITELLOP. OBTUSA | 3.6 | 1.5 | | | | |
| | 4 | 312833 | 499992 | 5.5 | CHARA SPP. | 157.9 | 65.6 | 4000 | 1500 | 0.4 | 0.1 |
| | | | | | NITELLOP. OBTUSA | 22.7 | 9.2 | | | | |
| | 5 | 312833 | 499992 | 5.5 | CHARA SPP. | 234.1 | 80.0 | 4000 | 1500 | 0.4 | 0.1 |
| | | | | | NITELLOP. OBTUSA | 8.6 | 3.3 | | | | |
| | 6 | 312833 | 499992 | 5.5 | CHARA SPP. | 75.1 | 31.6 | 4000 | 1500 | 0.4 | 0.1 |
| | | | | | NITELLOP. OBTUSA | 72.9 | 30.7 | | | | |
| 10 | 1 | 312821 | 499989 | 5.0 | CHARA SPP. | 70.6 | 26.3 | 2600 | 1100 | 0.3 | 0.2 |
| | | | | | NAJAS FLEXILIS | 10.0 | 7.2 | | | | |
| | | | | | NITELLA HYALINA | 1.4 | 0.6 | | | | |
| | | | | | POT. GRAMINEUS | 68.7 | 39.8 | | | | |
| | | | | | VALLISNERIA AMER | 18.2 | 11.0 | | | | |
| | 2 | 312821 | 499989 | 5.0 | CHARA SPP. | 1.2 | 0.5 | 2600 | 1100 | 0.3 | 0.2 |
| | | | | | NAJAS FLEXILIS | 4.7 | 3.4 | | | | |
| | | | | | POT. NODOSUS | 161.8 | 111.5 | | | | |
| | | | | | POT. NARROW | 27.9 | 22.8 | | | | |
| | | | | | VALLISNERIA AMER | 1.8 | 1.3 | | | | |
| | | | | | NITELLOP. OBTUSA | 2.8 | 1.1 | | | | |
| | 3 | 312821 | 499989 | 5.0 | CHARA SPP. | 22.8 | 8.5 | 2600 | 1100 | 0.3 | 0.2 |
| | | | | | NAJAS FLEXILIS | 17.8 | 13.2 | | | | |
| | | | | | POT. GRAMINEUS | 65.3 | 44.7 | | | | |
| | | | | | POT. RICHARDSONI | 20.1 | 13.5 | | | | |
| | | | | | VALLISNERIA AMER | 3.2 | 2.2 | | | | |
| | | | | | NITELLOP. OBTUSA | 1.1 | 0.4 | | | | |
| | 4 | 312826 | 499993 | 5.5 | CHARA SPP. | 24.9 | 11.2 | 3900 | 1400 | 1.3 | 0.2 |
| | | | | | NAJAS FLEXILIS | 54.8 | 35.4 | | | | |
| | | | | | POT. GRAMINEUS | 10.8 | 7.6 | | | | |
| | | | | | POT. NARROW | 16.2 | 11.9 | | | | |
| | | | | | VALLISNERIA AMER | 9.6 | 6.6 | | | | |
| | | | | | NITELLOP. OBTUSA | 2.1 | 1.1 | | | | |
| | 5 | 312826 | 499993 | 5.5 | CHARA SPP. | 40.8 | 13.1 | 3900 | 1400 | 1.3 | 0.2 |
| | | | | | NAJAS FLEXILIS | 41.3 | 29.1 | | | | |
| | | | | | POT. RICHARDSONI | 19.0 | 11.6 | | | | |
| | | | | | POT. NARROW | 5.1 | 3.4 | | | | |
| | | | | | VALLISNERIA AMER | 9.7 | 6.5 | | | | |
| | | | | | NITELLOP. OBTUSA | 55.0 | 19.7 | | | | |
| | 6 | 312826 | 499993 | 5.5 | CHARA SPP. | 5.7 | 2.1 | 3900 | 1400 | 1.3 | 0.2 |
| | | | | | NAJAS FLEXILIS | 85.7 | 59.0 | | | | |
| | | | | | VALLISNERIA AMER | 3.4 | 1.9 | | | | |

| | | |
|---|---|---|
| NITELLOP. OBTUSA | 45.0 | 18.1 |

SUBMERSED MACROPHYTE PONAR DATA, SEPTEMBER, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | HENNEPIN | 1 | 1 | 314066 | 500670 | 6.0 | VALLISNERIA AMER | 97.8 | 44.0 | 1500 | 55 | 0.3 | 0.1 |
| | | | 2 | 314066 | 500670 | 6.0 | VALLISNERIA AMER | 171.0 | 57.7 | 1500 | 55 | 0.3 | 0.1 |
| | | | 3 | 314066 | 500670 | 6.0 | VALLISNERIA AMER | 182.0 | 76.5 | 1500 | 55 | 0.3 | 0.1 |
| | | 2 | 1 | 314062 | 500675 | 9.0 | POT. RICHARDSONI | 83.8 | 62.2 | 3500 | 150 | 0.2 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 35.6 | 23.7 | | | | |
| | | | 2 | 314062 | 500675 | 9.0 | POT. RICHARDSONI | 86.7 | 59.2 | 3500 | 150 | 0.2 | 0.2 |
| | | | 3 | 314062 | 500675 | 9.0 | POT. RICHARDSONI | 68.0 | 52.5 | 3500 | 150 | 0.2 | 0.2 |
| | | | | | | | VALLISNERIA AMER | 2.1 | 1.1 | | | | |
| | | | 4 | 314066 | 500676 | 6.5 | VALLISNERIA AMER | 105.4 | 49.2 | 2400 | 280 | 0.2 | 0.1 |
| | | | 5 | 314066 | 500676 | 6.5 | VALLISNERIA AMER | 33.9 | 13.7 | 2400 | 280 | 0.2 | 0.1 |
| | | | 6 | 314066 | 500676 | 6.5 | VALLISNERIA AMER | 121.2 | 60.4 | 2400 | 280 | 0.2 | 0.1 |
| | | 3 | 1 | 314076 | 500684 | 5.5 | VALLISNERIA AMER | 24.2 | 13.0 | 1500 | 350 | 0.1 | 0.0 |
| | | | 2 | 314076 | 500684 | 5.5 | VALLISNERIA AMER | 79.5 | 46.9 | 1500 | 350 | 0.1 | 0.0 |
| | | | 3 | 314076 | 500684 | 5.5 | VALLISNERIA AMER | 53.0 | 20.5 | 1500 | 350 | 0.1 | 0.0 |
| | | 4 | 1 | 314088 | 500682 | 8.0 | VALLISNERIA AMER | 52.6 | 28.2 | 1500 | 140 | 0.1 | 0.0 |
| | | | 2 | 314088 | 500682 | 8.0 | VALLISNERIA AMER | 152.0 | 75.3 | 1500 | 140 | 0.1 | 0.0 |
| | | | 3 | 314088 | 500682 | 8.0 | VALLISNERIA AMER | 74.9 | 42.5 | 1500 | 140 | 0.1 | 0.0 |
| | | 5 | 1 | 314076 | 500692 | 6.0 | VALLISNERIA AMER | 77.8 | 41.8 | 1600 | 320 | 0.1 | 0.0 |
| | | | 2 | 314076 | 500692 | 6.0 | VALLISNERIA AMER | 119.9 | 50.9 | 1600 | 320 | 0.1 | 0.0 |
| | | | 3 | 314076 | 500692 | 6.0 | VALLISNERIA AMER | 116.5 | 55.3 | 1600 | 320 | 0.1 | 0.0 |
| | | 6 | 1 | 314082 | 500696 | 5.0 | CHARA SPP. | 7.5 | 1.5 | 1800 | 540 | 0.2 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 8.3 | 5.8 | | | | |
| | | | | | | | VALLISNERIA AMER | 40.0 | 17.9 | | | | |
| | | | 2 | 314082 | 500696 | 5.0 | CHARA SPP. | 25.9 | 5.2 | 1800 | 540 | 0.2 | 0.1 |
| | | | | | | | POT. RICHARDSONI | 14.9 | 12.2 | | | | |
| | | | | | | | VALLISNERIA AMER | 57.5 | 28.4 | | | | |
| | | | 3 | 314082 | 500696 | 5.0 | CHARA SPP. | 20.8 | 4.4 | 1800 | 540 | 0.2 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 214.6 | 102.5 | | | | |
| | | 7 | 1 | 314094 | 500702 | 7.0 | VALLISNERIA AMER | 88.1 | 41.0 | 1500 | 330 | 0.1 | 0.0 |
| | | | 2 | 314094 | 500702 | 7.0 | CHARA SPP. | 2.2 | 0.7 | 1500 | 330 | 0.1 | 0.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | VALLISNERIA AMER | 97.5 | 56.9 | | | | |
| | 3 | 314094 | 500702 | 7.0 | CHARA SPP. | TRACE | | 1500 | 330 | 0.1 | 0.0 |
| | | | | | MYRIO. SPICATUM | 1.4 | 1.1 | | | | |
| | | | | | VALLISNERIA AMER | 81.0 | 54.8 | | | | |
| 8 | 1 | 314078 | 500701 | 6.0 | MYRIO. SPICATUM | 41.8 | 24.8 | 1500 | 51 | 0.3 | 0.0 |
| | | | | | VALLISNERIA AMER | 180.0 | 92.7 | | | | |
| | 2 | 314078 | 500701 | 6.0 | VALLISNERIA AMER | 224.2 | 109.2 | 1500 | 51 | 0.3 | 0.0 |
| | 3 | 314078 | 500701 | 6.0 | MYRIO. SPICATUM | 5.0 | 3.7 | 1500 | 51 | 0.3 | 0.0 |
| | | | | | POT. GRAMINEUS | 1.4 | 1.0 | | | | |
| | | | | | VALLISNERIA AMER | 89.8 | 47.8 | | | | |
| | 4 | 314078 | 500702 | 6.0 | MYRIO. SPICATUM | 147.1 | 78.5 | 1300 | 25 | 0.2 | 0.0 |
| | | | | | VALLISNERIA AMER | 38.9 | 22.2 | | | | |
| | 5 | 314078 | 500702 | 6.0 | MYRIO. SPICATUM | 214.9 | 159.9 | 1300 | 25 | 0.2 | 0.0 |
| | | | | | VALLISNERIA AMER | 3.1 | 1.9 | | | | |
| | 6 | 314078 | 500702 | 6.0 | MYRIO. SPICATUM | 193.8 | 121.7 | 1300 | 25 | 0.2 | 0.0 |
| | | | | | VALLISNERIA AMER | 30.2 | 16.4 | | | | |
| | 7 | 314078 | 500716 | 6.0 | NAJAS FLEXILIS | 2.7 | 1.8 | 710 | 91 | 0.4 | 0.2 |
| | | | | | POT. RICHARDSONI | 23.9 | 17.1 | | | | |
| | | | | | VALLISNERIA AMER | 98.2 | 46.1 | | | | |
| | 8 | 314078 | 500716 | 6.0 | POT. RICHARDSONI | 32.4 | 22.6 | 710 | 91 | 0.4 | 0.2 |
| | | | | | VALLISNERIA AMER | 4.6 | 3.3 | | | | |
| | 9 | 314078 | 500716 | 6.0 | POT. RICHARDSONI | 51.8 | 39.1 | 710 | 91 | 0.4 | 0.2 |
| | | | | | VALLISNERIA AMER | 6.8 | 2.5 | | | | |
| 9 | 1 | 314087 | 500704 | 5.0 | VALLISNERIA AMER | 19.1 | 12.0 | 1200 | 35 | 0.2 | 0.0 |
| | 2 | 314087 | 500704 | 5.0 | CHARA SPP. | 12.3 | 3.5 | 1200 | 35 | 0.2 | 0.0 |
| | | | | | VALLISNERIA AMER | 155.2 | 72.2 | | | | |
| | 3 | 314087 | 500704 | 5.0 | CHARA SPP. | 2.2 | 0.5 | 1200 | 35 | 0.2 | 0.0 |
| | | | | | POT. RICHARDSONI | 5.1 | 3.8 | | | | |
| | | | | | VALLISNERIA AMER | 47.6 | 24.1 | | | | |
| 10 | 1 | 314100 | 500715 | 6.5 | VALLISNERIA AMER | 239.5 | 86.8 | 1300 | 65 | 0.1 | 0.1 |
| | 2 | 314100 | 500715 | 6.5 | VALLISNERIA AMER | 116.7 | 45.6 | 1300 | 65 | 0.1 | 0.1 |
| | 3 | 314100 | 500715 | 6.5 | VALLISNERIA AMER | 114.7 | 45.9 | 1300 | 65 | 0.1 | 0.1 |
| 11 | 1 | 314088 | 500719 | 6.5 | VALLISNERIA AMER | 118.2 | 62.3 | 1400 | 290 | 0.2 | 0.0 |
| | 2 | 314088 | 500719 | 6.5 | CHARA SPP. | TRACE | | 1400 | 290 | 0.2 | 0.0 |
| | | | | | NAJAS FLEXILIS | 5.6 | 3.6 | | | | |
| | | | | | VALLISNERIA AMER | 123.5 | 65.5 | | | | |
| | 3 | 314088 | 500719 | 6.5 | CHARA SPP. | 11.6 | 3.7 | 1400 | 290 | 0.2 | 0.0 |
| | | | | | NITELLA HYALINA | 0.4 | 0.2 | | | | |
| | | | | | VALLISNERIA AMER | 62.0 | 29.7 | | | | |
| | 4 | 314088 | 500719 | 6.5 | NAJAS FLEXILIS | 46.6 | 30.4 | 1400 | 290 | 0.2 | 0.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | NITELLA HYALINA | TRACE | | | | | |
| | | | | | VALLISNERIA AMER | 35.6 | 20.3 | | | | |
| | 5 | 314088 | 500719 | 6.5 | CHARA SPP. | 1.0 | 0.4 | 1400 | 290 | 0.2 | 0.0 |
| | | | | | NAJAS FLEXILIS | 11.8 | 7.5 | | | | |
| | | | | | VALLISNERIA AMER | 48.3 | 25.2 | | | | |
| | 6 | 314088 | 500719 | 6.5 | NAJAS FLEXILIS | 10.3 | 5.8 | 1400 | 290 | 0.2 | 0.0 |
| | | | | | NITELLA HYALINA | TRACE | | | | | |
| | | | | | POT. NARROW | 3.2 | 2.2 | | | | |
| | | | | | VALLISNERIA AMER | 131.5 | 65.1 | | | | |
| | 7 | 314091 | 500716 | 9.0 | POT. RICHARDSONI | 56.6 | 26.6 | 1000 | 1 | 0.5 | 0.2 |
| | | | | | VALLISNERIA AMER | 95.9 | 69.4 | | | | |
| | 8 | 314091 | 500716 | 9.0 | POT. RICHARDSONI | 57.4 | 41.3 | 1000 | 1 | 0.5 | 0.2 |
| | | | | | VALLISNERIA AMER | 12.7 | 7.7 | | | | |
| | 9 | 314091 | 500716 | 9.0 | NAJAS FLEXILIS | TRACE | | 1000 | 1 | 0.5 | 0.2 |
| | | | | | POT. RICHARDSONI | 111.6 | 80.6 | | | | |
| | | | | | VALLISNERIA AMER | 13.3 | 8.2 | | | | |
| 12 | 1 | 314095 | 500722 | 6.0 | VALLISNERIA AMER | 93.0 | 54.2 | 1500 | 60 | 0.1 | 0.0 |
| | 2 | 314095 | 500722 | 6.0 | VALLISNERIA AMER | 127.7 | 67.1 | 1500 | 60 | 0.1 | 0.0 |
| | 3 | 314095 | 500722 | 6.0 | VALLISNERIA AMER | 153.5 | 75.9 | 1500 | 60 | 0.1 | 0.0 |
| 13 | 1 | 314097 | 500727 | 10.0 | VALLISNERIA AMER | 60.8 | 32.4 | 1100 | 140 | 1.1 | 0.3 |
| | 2 | 314097 | 500727 | 10.0 | VALLISNERIA AMER | 13.1 | 8.9 | 1100 | 140 | 1.1 | 0.3 |
| | 3 | 314097 | 500727 | 10.0 | VALLISNERIA AMER | 56.5 | 37.4 | 1100 | 140 | 1.1 | 0.3 |
| 14 | 1 | 314109 | 500736 | 9.0 | VALLISNERIA AMER | 6.0 | 3.4 | 1400 | 85 | 0.3 | 0.3 |
| | 2 | 314109 | 500736 | 9.0 | VALLISNERIA AMER | 121.6 | 62.7 | 1400 | 85 | 0.3 | 0.3 |
| | 3 | 314109 | 500736 | 9.0 | VALLISNERIA AMER | 9.1 | 3.8 | 1400 | 85 | 0.3 | 0.3 |

SUBMERSED MACROPHYTE PONAR DATA, SEPTEMBER, 1984

NOTE: 1. (-) INDICATES MISSING DATA
2. TRACE = LESS THAN 0.001 G/M2

| RIVER | ISLAND | BLOCK NO. | REPLICATE NO. | LORAN COORDINATES UPPER | LORAN COORDINATES LOWER | DEPTH (FT.) | MACROPHYTE TAXON | DRY WEIGHT (G/M2) | ASH-FREE WEIGHT (G/M2) | LIGHT(FOOT CANDLES) SURFACE | LIGHT(FOOT CANDLES) BOTTOM | CURRENT(FT./SEC.) SURFACE | CURRENT(FT./SEC.) BOTTOM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DETROIT | STONY | 1 | 1 | 314223 | 500978 | 7.5 | POT. NARROW | 11.9 | 4.5 | 2800 | 32 | 0.6 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 114.9 | 50.6 | | | | |
| | | | 2 | 314223 | 500978 | 7.5 | VALLISNERIA AMER | 179.3 | 87.4 | 2800 | 32 | 0.6 | 0.1 |
| | | | 3 | 314223 | 500978 | 7.5 | POT. NARROW | 55.2 | 39.8 | 2800 | 32 | 0.6 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 168.6 | 85.5 | | | | |
| | | 2 | 1 | 314212 | 500975 | 8.0 | VALLISNERIA AMER | 350.3 | 127.2 | 2800 | 4 | 0.7 | 0.1 |
| | | | 2 | 314212 | 500975 | 8.0 | VALLISNERIA AMER | 126.6 | 70.6 | 2800 | 4 | 0.7 | 0.1 |
| | | | 3 | 314212 | 500975 | 8.0 | VALLISNERIA AMER | 210.0 | 103.3 | 2800 | 4 | 0.7 | 0.1 |
| | | 3 | 1 | 314205 | 500973 | 7.5 | POT. NODOSUS | 119.8 | 82.8 | 2600 | 250 | 0.5 | 0.2 |
| | | | 2 | 314205 | 500973 | 7.5 | HETERANTHERA DUB | 8.4 | 5.8 | 2600 | 250 | 0.5 | 0.2 |
| | | | | | | | POT. NODOSUS | 103.3 | 76.3 | | | | |
| | | | 3 | 314205 | 500973 | 7.5 | POT. NODOSUS | 126.3 | 83.2 | 2600 | 250 | 0.5 | 0.2 |
| | | 4 | 1 | 314189 | 500972 | 10.0 | MYRIO. SPICATUM | 144.6 | 93.0 | 2100 | 37 | 0.8 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 5.9 | 2.5 | | | | |
| | | | 2 | 314189 | 500972 | 10.0 | MYRIO. SPICATUM | 71.3 | 50.7 | 2100 | 37 | 0.8 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 1.6 | 0.9 | | | | |
| | | | 3 | 314189 | 500972 | 10.0 | MYRIO. SPICATUM | 199.2 | 117.9 | 2100 | 37 | 0.8 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 19.4 | 11.1 | | | | |
| | | 5 | 1 | 314229 | 500985 | 8.0 | VALLISNERIA AMER | 192.4 | 83.4 | 2800 | 25 | 0.4 | 0.1 |
| | | | 2 | 314229 | 500985 | 8.0 | VALLISNERIA AMER | 140.0 | 63.1 | 2800 | 25 | 0.4 | 0.1 |
| | | | 3 | 314229 | 500985 | 8.0 | VALLISNERIA AMER | 185.8 | 94.7 | 2800 | 25 | 0.4 | 0.1 |
| | | 6 | 1 | 314220 | 500986 | 4.0 | HETERANTHERA DUB | 292.2 | 195.7 | 3000 | 180 | 0.2 | 0.1 |
| | | | | | | | POT. CRISPUS | 6.8 | 5.7 | | | | |
| | | | 2 | 314220 | 500986 | 4.0 | ELODEA CANADENS | 0.5 | 0.3 | 3000 | 180 | 0.2 | 0.1 |
| | | | | | | | HETERANTHERA DUB | 550.1 | 365.2 | | | | |
| | | | | | | | POT. CRISPUS | TRACE | | | | | |
| | | | 3 | 314220 | 500986 | 4.0 | ELODEA CANADENS | 2.6 | 1.5 | 3000 | 180 | 0.2 | 0.1 |
| | | | | | | | HETERANTHERA DUB | 327.4 | 280.5 | | | | |
| | | | | | | | POT. CRISPUS | 20.6 | 18.4 | | | | |
| | | 7 | 1 | 314232 | 500988 | 3.0 | MYRIO. SPICATUM | 241.2 | 189.3 | 2900 | 150 | 0.2 | 0.1 |
| | | | 2 | 314232 | 500988 | 3.0 | MYRIO. SPICATUM | 176.2 | 135.0 | 2900 | 150 | 0.2 | 0.1 |
| | | | | | | | VALLISNERIA AMER | 19.0 | 14.2 | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3 | 314232 | 500988 | 3.0 | HETERANTHERA DUB | 0.9 | 0.6 | 2900 | 150 | 0.2 | 0.1 |
| | | | | | MYRIO. SPICATUM | 272.3 | 198.8 | | | | |
| | | | | | VALLISNERIA AMER | 7.1 | 4.5 | | | | |
| 8 | 1 | 314227 | 500991 | 3.5 | HETERANTHERA DUB | 267.7 | 183.4 | 3200 | 35 | 0.1 | 0.0 |
| | | | | | POT. CRISPUS | 22.7 | 18.7 | | | | |
| | 2 | 314227 | 500991 | 3.5 | HETERANTHERA DUB | 246.4 | 167.7 | 3200 | 35 | 0.1 | 0.0 |
| | | | | | POT. CRISPUS | 52.9 | 41.6 | | | | |
| | 3 | 314227 | 500991 | 3.5 | HETERANTHERA DUB | 230.2 | 152.9 | 3200 | 35 | 0.1 | 0.0 |
| | | | | | POT. CRISPUS | 17.7 | 14.2 | | | | |
| 9 | 1 | 314245 | 500997 | 5.0 | MYRIO. SPICATUM | 421.0 | 182.9 | 3000 | 120 | 0.3 | 0.3 |
| | | | | | VALLISNERIA AMER | 2.7 | 1.7 | | | | |
| | 2 | 314245 | 500997 | 5.0 | HETERANTHERA DUB | 29.7 | 23.5 | 3000 | 120 | 0.3 | 0.3 |
| | | | | | MYRIO. SPICATUM | 167.4 | 116.8 | | | | |
| | | | | | VALLISNERIA AMER | 26.4 | 19.3 | | | | |
| | 3 | 314245 | 500997 | 5.0 | HETERANTHERA DUB | 18.9 | 15.6 | 3000 | 120 | 0.3 | 0.3 |
| | | | | | MYRIO. SPICATUM | 251.3 | 171.4 | | | | |
| | | | | | VALLISNERIA AMER | 11.5 | 8.0 | | | | |
| 10 | 1 | 314239 | 500997 | 4.0 | HETERANTHERA DUB | 139.2 | 84.4 | 2500 | 160 | 0.3 | 0.2 |
| | 2 | 314239 | 500997 | 4.0 | HETERANTHERA DUB | 258.3 | 144.5 | 2500 | 160 | 0.3 | 0.2 |
| | | | | | POT. CRISPUS | 16.6 | 10.3 | | | | |
| | 3 | 314239 | 500997 | 4.0 | HETERANTHERA DUB | 636.2 | 402.1 | 2500 | 160 | 0.3 | 0.2 |
| 11 | 1 | 314254 | 501003 | 5.0 | MYRIO. SPICATUM | 275.0 | 203.8 | 2800 | 830 | 0.8 | 0.2 |
| | | | | | VALLISNERIA AMER | 15.1 | 10.9 | | | | |
| | 2 | 314254 | 501003 | 5.0 | MYRIO. SPICATUM | 199.9 | 139.6 | 2800 | 830 | 0.8 | 0.2 |
| | | | | | VALLISNERIA AMER | 10.6 | 7.6 | | | | |
| | 3 | 314254 | 501003 | 5.0 | MYRIO. SPICATUM | 284.1 | 208.5 | 2800 | 830 | 0.8 | 0.2 |
| | | | | | VALLISNERIA AMER | 12.2 | 9.1 | | | | |