

# BASIN REPORT- Lake Erie

Withdrawals, Diversions and Consumptive Uses

Units: Mgal(US)/d

Year Of Data: 1998

| Jurisdiction    | Category            | All Facilities |             |               | Principal Facilities |             |             |
|-----------------|---------------------|----------------|-------------|---------------|----------------------|-------------|-------------|
|                 |                     | Withdr.        | Diver.      | Consum.       | Withdr.              | Diver.      | Consum.     |
| <b>Indiana</b>  |                     |                |             |               |                      |             |             |
|                 | Public Supply       | 44.82          | 0.00        | 6.72          | 44.71                | 0.00        | 6.70        |
|                 | Domestic Supply     | 5.90           | 0.00        | 0.89          | 0.35                 | 0.00        | 0.05        |
|                 | Irrigation          | 1.33           | 0.00        | 1.19          | 1.08                 | 0.00        | 0.97        |
|                 | Livestock           | 1.00           | 0.00        | 0.80          | 0.00                 | 0.00        | 0.00        |
|                 | Industrial          | 10.88          | 0.00        | 0.66          | 10.67                | 0.00        | 0.64        |
|                 | Fossil Fuel Power   | 0.27           | 0.00        | 0.01          | 0.27                 | 0.00        | 0.01        |
|                 | Nuclear Power       | 0.00           | 0.00        | 0.00          | 0.00                 | 0.00        | 0.00        |
|                 | Hydroelectric Power | 0.00           | 0.00        | 0.00          | 0.00                 | 0.00        | 0.00        |
|                 | Other               | 0.00           | 0.00        | 0.00          | 0.00                 | 0.00        | 0.00        |
|                 | <b>Total</b>        | <b>64.20</b>   | <b>0.00</b> | <b>10.27</b>  | <b>57.08</b>         | <b>0.00</b> | <b>8.37</b> |
| <b>Michigan</b> |                     |                |             |               |                      |             |             |
|                 | Public Supply       | 622.99         | 0.00        | 77.87         |                      | 0.00        |             |
|                 | Domestic Supply     |                | 0.00        |               |                      | 0.00        |             |
|                 | Irrigation          | 23.33          | 0.00        | 21.00         |                      | 0.00        |             |
|                 | Livestock           |                | 0.00        |               |                      | 0.00        |             |
|                 | Industrial          | 329.72         | 0.00        | 32.97         |                      | 0.00        |             |
|                 | Fossil Fuel Power   | 4188.23        | 0.00        | 50.26         |                      | 0.00        |             |
|                 | Nuclear Power       | 48.93          | 0.00        | 0.93          |                      | 0.00        |             |
|                 | Hydroelectric Power |                | 0.00        |               |                      | 0.00        |             |
|                 | Other               |                | 0.00        |               |                      | 0.00        |             |
|                 | <b>Total</b>        | <b>5213.20</b> | <b>0.00</b> | <b>183.03</b> |                      | <b>0.00</b> |             |

| Jurisdiction    | Category            | All Facilities  |              |               | Principal Facilities |              |               |
|-----------------|---------------------|-----------------|--------------|---------------|----------------------|--------------|---------------|
|                 |                     | Withdr.         | Diver.       | Consum.       | Withdr.              | Diver.       | Consum.       |
| <b>New York</b> |                     |                 |              |               |                      |              |               |
|                 | Public Supply       | 264.10          | 0.00         | 26.41         |                      |              |               |
|                 | Domestic Supply     | 22.94           | 0.00         | 2.29          |                      |              |               |
|                 | Irrigation          | 0.03            | 0.00         | 0.00          |                      |              |               |
|                 | Livestock           | 4.30            | 0.00         | 3.87          |                      |              |               |
|                 | Industrial          | 247.75          | 0.00         | 61.94         |                      |              |               |
|                 | Fossil Fuel Power   | 1238.22         | 0.00         | 24.76         |                      |              |               |
|                 | Nuclear Power       | 0.00            | 0.00         | 0.00          |                      |              |               |
|                 | Hydroelectric Power | 57849.00        | 0.00         | 0.00          |                      |              |               |
|                 | Other               | 0.00            | 0.00         | 0.00          |                      |              |               |
|                 | <b>Total</b>        | <b>59626.34</b> | <b>0.00</b>  | <b>119.27</b> |                      |              |               |
| <b>Ohio</b>     |                     |                 |              |               |                      |              |               |
|                 | Public Supply       | 588.63          | 0.30         | 88.29         | 584.79               | 0.30         | 87.72         |
|                 | Domestic Supply     | 57.85           | 0.00         | 8.68          | 0.00                 | 0.00         | 0.00          |
|                 | Irrigation          | 14.79           | 0.00         | 13.31         | 7.23                 | 0.00         | 6.51          |
|                 | Livestock           | 13.02           | 0.00         | 10.41         | 0.86                 | 0.00         | 0.68          |
|                 | Industrial          | 244.82          | 0.00         | 24.48         | 242.76               | 0.00         | 24.28         |
|                 | Fossil Fuel Power   | 2045.14         | 0.00         | 0.03          | 2045.14              | 0.00         | 0.03          |
|                 | Nuclear Power       | 123.43          | 0.00         | 20.98         | 123.43               | 0.00         | 20.98         |
|                 | Hydroelectric Power | 0.00            | 0.00         | 0.00          | 0.00                 | 0.00         | 0.00          |
|                 | Other               | 5.12            | -9.18        | 0.00          | 4.84                 | -9.18        | 0.00          |
|                 | <b>Total</b>        | <b>3092.80</b>  | <b>-8.88</b> | <b>166.18</b> | <b>3009.05</b>       | <b>-8.88</b> | <b>140.20</b> |

| Jurisdiction        | Category            | All Facilities |                |              | Principal Facilities |                |              |
|---------------------|---------------------|----------------|----------------|--------------|----------------------|----------------|--------------|
|                     |                     | Withdr.        | Diver.         | Consum.      | Withdr.              | Diver.         | Consum.      |
| <b>Ontario</b>      |                     |                |                |              |                      |                |              |
|                     | Public Supply       | 216.01         | -38.07         | 32.40        | 215.91               | -38.07         | 32.38        |
|                     | Domestic Supply     | 16.15          | 0.00           | 2.42         | 0.00                 | 0.00           | 0.00         |
|                     | Irrigation          | 24.30          | 0.00           | 18.96        | 0.00                 | 0.00           | 0.00         |
|                     | Livestock           | 13.39          | 0.00           | 10.71        | 0.00                 | 0.00           | 0.00         |
|                     | Industrial          | 180.45         | 0.00           | 11.37        | 0.00                 | 0.00           | 0.00         |
|                     | Fossil Fuel Power   | 2518.68        | 0.00           | 22.67        | 2518.68              | 0.00           | 22.67        |
|                     | Nuclear Power       | 0.00           | 0.00           | 0.00         | 0.00                 | 0.00           | 0.00         |
|                     | Hydroelectric Power | 0.00           | 0.00           | 0.00         | 0.00                 | 0.00           | 0.00         |
|                     | Other               | 0.00           | 5711.25        | 0.00         | 0.00                 | 5711.25        | 0.00         |
|                     | <b>Total</b>        | <b>2968.98</b> | <b>5673.18</b> | <b>98.53</b> | <b>2734.59</b>       | <b>5673.18</b> | <b>55.05</b> |
| <b>Pennsylvania</b> |                     |                |                |              |                      |                |              |
|                     | Public Supply       | 44.61          | -0.86          | 4.46         | 44.05                | 0.00           | 4.41         |
|                     | Domestic Supply     | 1.97           | 0.00           | 0.20         | 0.00                 | 0.00           | 0.00         |
|                     | Irrigation          | 0.35           | 0.00           | 0.32         | 0.33                 | 0.00           | 0.30         |
|                     | Livestock           |                | 0.00           |              |                      | 0.00           |              |
|                     | Industrial          | 41.94          | 0.00           | 8.95         | 41.69                | 0.00           | 8.89         |
|                     | Fossil Fuel Power   | 0.00           | 0.00           | 0.00         | 0.00                 | 0.00           | 0.00         |
|                     | Nuclear Power       | 0.00           | 0.00           | 0.00         | 0.00                 | 0.00           | 0.00         |
|                     | Hydroelectric Power | 0.00           | 0.00           | 0.00         | 0.00                 | 0.00           | 0.00         |
|                     | Other               |                | 0.00           |              |                      | 0.00           |              |
|                     | <b>Total</b>        | <b>88.87</b>   | <b>-0.86</b>   | <b>13.93</b> | <b>86.07</b>         | <b>0.00</b>    | <b>13.60</b> |
| <b>Grand Total:</b> |                     | 71054.40       | 5663.44        | 591.21       | 5886.78              | 5664.30        | 217.22       |

# BASIN REPORT- Lake Erie

## Withdrawals by Source

Units: Mgal(US)/d

Year Of Data: 1998

| Jurisdiction    | Category            | All Facilities |              |              | Principle Facilities |              |              |
|-----------------|---------------------|----------------|--------------|--------------|----------------------|--------------|--------------|
|                 |                     | GLSW           | OSW          | GW           | GLSW                 | OSW          | GW           |
| <b>Indiana</b>  |                     |                |              |              |                      |              |              |
|                 | Public Supply       | 0.00           | 35.83        | 8.99         | 0.00                 | 35.83        | 8.88         |
|                 | Domestic Supply     | 0.00           | 0.00         | 5.90         | 0.00                 | 0.00         | 0.35         |
|                 | Irrigation          | 0.00           | 0.57         | 0.76         | 0.00                 | 0.47         | 0.61         |
|                 | Livestock           | 0.00           | 0.00         | 1.00         | 0.00                 | 0.00         | 0.00         |
|                 | Industrial          | 0.00           | 8.26         | 2.62         | 0.00                 | 8.26         | 2.41         |
|                 | Fossil Fuel Power   | 0.00           | 0.00         | 0.27         | 0.00                 | 0.00         | 0.27         |
|                 | Nuclear Power       | 0.00           | 0.00         | 0.00         | 0.00                 | 0.00         | 0.00         |
|                 | Hydroelectric Power | 0.00           | 0.00         | 0.00         | 0.00                 | 0.00         | 0.00         |
|                 | Other               | 0.00           | 0.00         | 0.00         | 0.00                 | 0.00         | 0.00         |
|                 | <b>TOTAL</b>        | <b>0.00</b>    | <b>44.66</b> | <b>19.54</b> | <b>0.00</b>          | <b>44.56</b> | <b>12.52</b> |
| <b>Michigan</b> |                     |                |              |              |                      |              |              |
|                 | Public Supply       | 564.97         | 17.93        | 40.09        |                      |              |              |
|                 | Domestic Supply     |                |              |              |                      |              |              |
|                 | Irrigation          | 0.59           | 13.00        | 9.74         |                      |              |              |
|                 | Livestock           |                |              |              |                      |              |              |
|                 | Industrial          | 302.32         | 10.62        | 16.78        |                      |              |              |
|                 | Fossil Fuel Power   | 4188.21        | 0.00         | 0.02         |                      |              |              |
|                 | Nuclear Power       | 48.93          | 0.00         | 0.00         |                      |              |              |
|                 | Hydroelectric Power |                |              |              |                      |              |              |
|                 | Other               |                |              |              |                      |              |              |
|                 | <b>TOTAL</b>        | <b>5105.02</b> | <b>41.55</b> | <b>66.63</b> |                      |              |              |

| Jurisdiction    | Category            | All Facilities  |               |               | Principle Facilities |               |              |
|-----------------|---------------------|-----------------|---------------|---------------|----------------------|---------------|--------------|
|                 |                     | GLSW            | OSW           | GW            | GLSW                 | OSW           | GW           |
| <b>New York</b> |                     |                 |               |               |                      |               |              |
|                 | Public Supply       | 184.58          | 72.12         | 7.40          |                      |               |              |
|                 | Domestic Supply     | 12.33           | 0.00          | 10.61         |                      |               |              |
|                 | Irrigation          | 0.00            | 0.03          | 0.00          |                      |               |              |
|                 | Livestock           | 1.54            | 0.00          | 2.76          |                      |               |              |
|                 | Industrial          | 246.44          | 1.02          | 0.29          |                      |               |              |
|                 | Fossil Fuel Power   | 1238.22         | 0.00          | 0.00          |                      |               |              |
|                 | Nuclear Power       | 0.00            | 0.00          | 0.00          |                      |               |              |
|                 | Hydroelectric Power | 57849.00        | 0.00          | 0.00          |                      |               |              |
|                 | Other               | 0.00            | 0.00          | 0.00          |                      |               |              |
|                 | <b>TOTAL</b>        | <b>59532.11</b> | <b>73.17</b>  | <b>21.06</b>  |                      |               |              |
| <b>Ohio</b>     |                     |                 |               |               |                      |               |              |
|                 | Public Supply       | 435.73          | 115.62        | 37.28         | 435.56               | 115.25        | 33.98        |
|                 | Domestic Supply     | 0.00            | 0.00          | 57.85         | 0.00                 | 0.00          | 0.00         |
|                 | Irrigation          | 0.09            | 10.91         | 3.79          | 0.00                 | 6.00          | 1.23         |
|                 | Livestock           | 0.00            | 2.08          | 10.94         | 0.00                 | 0.48          | 0.38         |
|                 | Industrial          | 64.61           | 137.22        | 42.99         | 64.61                | 136.49        | 41.66        |
|                 | Fossil Fuel Power   | 2038.68         | 6.46          | 0.00          | 2038.68              | 6.46          | 0.00         |
|                 | Nuclear Power       | 123.43          | 0.00          | 0.00          | 123.43               | 0.00          | 0.00         |
|                 | Hydroelectric Power | 0.00            | 0.00          | 0.00          | 0.00                 | 0.00          | 0.00         |
|                 | Other               | 1.16            | 3.41          | 0.55          | 1.07                 | 3.41          | 0.36         |
|                 | <b>TOTAL</b>        | <b>2663.70</b>  | <b>275.70</b> | <b>153.40</b> | <b>2663.35</b>       | <b>268.09</b> | <b>77.61</b> |

| Jurisdiction        | Category            | All Facilities  |               |               | Principle Facilities |               |               |
|---------------------|---------------------|-----------------|---------------|---------------|----------------------|---------------|---------------|
|                     |                     | GLSW            | OSW           | GW            | GLSW                 | OSW           | GW            |
| <b>Ontario</b>      |                     |                 |               |               |                      |               |               |
|                     | Public Supply       | 128.37          | 15.46         | 72.17         | 128.27               | 15.46         | 72.17         |
|                     | Domestic Supply     | 0.00            | 0.00          | 16.15         | 0.00                 | 0.00          | 0.00          |
|                     | Irrigation          | 0.00            | 24.30         | 0.00          | 0.00                 | 0.00          | 0.00          |
|                     | Livestock           | 0.00            | 0.00          | 13.39         | 0.00                 | 0.00          | 0.00          |
|                     | Industrial          | 173.24          | 0.00          | 7.21          | 0.00                 | 0.00          | 0.00          |
|                     | Fossil Fuel Power   | 2518.68         | 0.00          | 0.00          | 2518.68              | 0.00          | 0.00          |
|                     | Nuclear Power       | 0.00            | 0.00          | 0.00          | 0.00                 | 0.00          | 0.00          |
|                     | Hydroelectric Power | 0.00            | 0.00          | 0.00          | 0.00                 | 0.00          | 0.00          |
|                     | Other               | 0.00            | 0.00          | 0.00          | 0.00                 | 0.00          | 0.00          |
|                     | <b>TOTAL</b>        | <b>2820.30</b>  | <b>39.77</b>  | <b>108.92</b> | <b>2646.95</b>       | <b>15.46</b>  | <b>72.17</b>  |
| <b>Pennsylvania</b> |                     |                 |               |               |                      |               |               |
|                     | Public Supply       | 40.80           | 1.77          | 2.04          | 40.80                | 1.74          | 1.51          |
|                     | Domestic Supply     | 0.00            | 0.00          | 1.97          | 0.00                 | 0.00          | 0.00          |
|                     | Irrigation          | 0.00            | 0.29          | 0.06          | 0.00                 | 0.27          | 0.06          |
|                     | Livestock           |                 |               |               |                      |               |               |
|                     | Industrial          | 40.85           | 0.84          | 0.25          | 40.85                | 0.78          | 0.07          |
|                     | Fossil Fuel Power   | 0.00            | 0.00          | 0.00          | 0.00                 | 0.00          | 0.00          |
|                     | Nuclear Power       | 0.00            | 0.00          | 0.00          | 0.00                 | 0.00          | 0.00          |
|                     | Hydroelectric Power | 0.00            | 0.00          | 0.00          | 0.00                 | 0.00          | 0.00          |
|                     | Other               |                 |               |               |                      |               |               |
|                     | <b>TOTAL</b>        | <b>81.65</b>    | <b>2.90</b>   | <b>4.32</b>   | <b>81.65</b>         | <b>2.78</b>   | <b>1.64</b>   |
| <b>Grand Total:</b> |                     | <b>70202.78</b> | <b>477.75</b> | <b>373.87</b> | <b>5391.95</b>       | <b>330.89</b> | <b>163.94</b> |

# BASIN REPORT- Lake Erie

Basin Totals

Units: Mgal(US)/d

Year Of Data: 1998

## Total Report - All Facilities

| Category            | Withdr   | Diver   | Consum | GLSW     | OSW    | GW     | Intrabasin | Interbasin |
|---------------------|----------|---------|--------|----------|--------|--------|------------|------------|
| Public Supply       | 1781.16  | -38.63  | 236.15 | 1354.45  | 258.73 | 167.97 | -38.07     | -0.56      |
| Domestic Supply     | 104.81   | 0.00    | 14.48  | 12.33    | 0.00   | 92.48  | 0.00       | 0.00       |
| Irrigation          | 64.13    | 0.00    | 54.77  | 0.68     | 49.10  | 14.35  | 0.00       | 0.00       |
| Livestock           | 31.71    | 0.00    | 25.79  | 1.54     | 2.08   | 28.09  | 0.00       | 0.00       |
| Industrial          | 1055.56  | 0.00    | 140.37 | 827.46   | 157.96 | 70.14  | 0.00       | 0.00       |
| Fossil Fuel Power   | 9990.54  | 0.00    | 97.73  | 9983.79  | 6.46   | 0.29   | 0.00       | 0.00       |
| Nuclear Power       | 172.36   | 0.00    | 21.91  | 172.36   | 0.00   | 0.00   | 0.00       | 0.00       |
| Hydroelectric Power | 57849.00 | 0.00    | 0.00   | 57849.00 | 0.00   | 0.00   | 0.00       | 0.00       |
| Other               | 5.12     | 5702.07 | 0.00   | 1.16     | 3.41   | 0.55   | 5711.25    | -9.18      |

## Total Report - Principal Facilities

| Category            | Withdr  | Diver   | Consum | GLSW    | OSW    | GW     | Intrabasin | Interbasin |
|---------------------|---------|---------|--------|---------|--------|--------|------------|------------|
| Public Supply       | 889.45  | -37.77  | 131.21 | 604.63  | 168.28 | 116.54 | -38.07     | 0.30       |
| Domestic Supply     | 0.35    | 0.00    | 0.05   | 0.00    | 0.00   | 0.35   | 0.00       | 0.00       |
| Irrigation          | 8.64    | 0.00    | 7.78   | 0.00    | 6.74   | 1.90   | 0.00       | 0.00       |
| Livestock           | 0.86    | 0.00    | 0.68   | 0.00    | 0.48   | 0.38   | 0.00       | 0.00       |
| Industrial          | 295.12  | 0.00    | 33.81  | 105.46  | 145.53 | 44.14  | 0.00       | 0.00       |
| Fossil Fuel Power   | 4564.09 | 0.00    | 22.71  | 4557.36 | 6.46   | 0.27   | 0.00       | 0.00       |
| Nuclear Power       | 123.43  | 0.00    | 20.98  | 123.43  | 0.00   | 0.00   | 0.00       | 0.00       |
| Hydroelectric Power | 0.00    | 0.00    | 0.00   | 0.00    | 0.00   | 0.00   | 0.00       | 0.00       |
| Other               | 4.84    | 5702.07 | 0.00   | 1.07    | 3.41   | 0.36   | 5711.25    | -9.18      |