

## Appendix I: MMRP, Ecoregion, Reach, Sub Area Tables

### MMRP Entire Region Tables

**Table 1: 2000 Land Cover**

| Class        | Acres            | Percent        |
|--------------|------------------|----------------|
| Agriculture  | 293,100.3        | 53.14%         |
| Developed    | 55,675.0         | 10.09%         |
| Forest       | 88,975.6         | 16.13%         |
| Grass/Forbs  | 16,684.5         | 3.02%          |
| Sand/Mud     | 6,656.2          | 1.21%          |
| Unknown      | 4,895.1          | 0.89%          |
| Water        | 64,846.5         | 11.76%         |
| Wetland      | 20,723.5         | 3.76%          |
| <b>Total</b> | <b>551,556.8</b> | <b>100.00%</b> |

**Table 2: 1989 Land Cover**

| Class        | Acres            | Percent        |
|--------------|------------------|----------------|
| Agriculture  | 341,630.4        | 61.78%         |
| Developed    | 48,512.2         | 8.77%          |
| Forest       | 70,183.2         | 12.69%         |
| Grass/Forbs  | 18,765.1         | 3.39%          |
| Marsh        | 2,244.8          | 0.41%          |
| Open Water   | 62,442.1         | 11.29%         |
| Sand/Mud     | 3,196.7          | 0.58%          |
| Unknown      | 5,990.9          | 1.08%          |
| <b>Total</b> | <b>552,965.4</b> | <b>100.00%</b> |

**Table 3: Farmland Type**

| Type                             | Acres            | Percent        |
|----------------------------------|------------------|----------------|
| All areas are prime farmland     | 124,245.8        | 22.51%         |
| Farmland of statewide importance | 28,006.5         | 5.07%          |
| Not prime farmland               | 203,018.4        | 36.77%         |
| Prime farmland if drained        | 96,513.3         | 17.48%         |
| Prime farmland if protected      | 30,399.0         | 5.51%          |
| Water                            | 69,880.0         | 12.66%         |
| <b>Total</b>                     | <b>552,063.0</b> | <b>100.00%</b> |

**Table 4: Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres     | Percent |
|---|-----------|---------|
| All areas are prime farmland, Frequent flooding       | 7,252.1   | 2.48%   |
| All areas are prime farmland, No flooding             | 1,679.7   | 0.57%   |
| All areas are prime farmland, Occasional flooding     | 83,395.9  | 28.47%  |
| All areas are prime farmland, Rare flooding           | 10,828.3  | 3.70%   |
| Farmland of statewide importance, Frequent flooding   | 237.7     | 0.08%   |
| Farmland of statewide importance, No flooding         | 358.8     | 0.12%   |
| Farmland of statewide importance, Occasional flooding | 11,732.5  | 4.01%   |
| Farmland of statewide importance, Rare flooding       | 3,134.1   | 1.07%   |
| Not prime farmland, Frequent flooding                 | 26,241.7  | 8.96%   |
| Not prime farmland, No flooding                       | 1,525.2   | 0.52%   |
| Not prime farmland, Occasional flooding               | 54,989.1  | 18.78%  |
| Not prime farmland, Rare flooding                     | 656.2     | 0.22%   |
| Prime farmland if drained, Frequent flooding          | 4,549.4   | 1.55%   |
| Prime farmland if drained, No flooding                | 14.9      | 0.01%   |
| Prime farmland if drained, Occasional flooding        | 60,913.1  | 20.80%  |
| Prime farmland if drained, Rare flooding              | 10,904.8  | 3.72%   |
| Prime farmland if protected, Frequent flooding        | 14,076.8  | 4.81%   |
| Prime farmland if protected, No flooding              | 0.0       | 0.00%   |
| Prime farmland if protected, Occasional flooding      | 0.0       | 0.00%   |
| Prime farmland if protected, Rare flooding            | 0.0       | 0.00%   |
| Water   | 386.3     | 0.13%   |
| <b>Total</b>  | 292,876.7 | 100.00% |

**Table 5: Prime Farmland vs. Not Prime Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres     | Percent |
|---|-----------|---------|
| All areas are prime farmland, Frequent flooding     | 7,252.1   | 2.48%   |
| All areas are prime farmland, Non-Frequent flooding | 95,903.9  | 32.75%  |
| Not prime farmland, Frequent flooding               | 45,105.6  | 15.40%  |
| Not prime farmland, Non-Frequent flooding           | 144,228.8 | 49.25%  |
| Water   | 386.3     | 0.13%   |
| <b>Total</b>  | 292,876.7 | 100.00% |

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**Table 6: Hydric Soils**

| Type             | Acres            | Percent        |
|------------------|------------------|----------------|
| All hydric       | 237,586.5        | 43.04%         |
| Not hydric       | 98,531.4         | 17.85%         |
| Partially hydric | 137,434.4        | 24.89%         |
| Unknown          | 8,047.7          | 1.46%          |
| Water            | 70,463.0         | 12.76%         |
| <b>Total</b>     | <b>552,063.0</b> | <b>100.00%</b> |

**Table 7: Public Land**

|  | Acres    | Percent |
|--|----------|---------|
|  | 65,895.3 | 11.94%  |

**Table 8: Wetlands Reserve Program**

|  | Acres    | Percent |
|--|----------|---------|
|  | 18,769.3 | 3.40%   |

**Table 9: Presettlement Land Cover**

|                          | Acres            | Percent        |
|--------------------------|------------------|----------------|
| BLH                      | 47,818.7         | 8.65%          |
| BLH Ridge                | 2,368.8          | 0.43%          |
| Bottomland Lake          | 37,479.4         | 6.78%          |
| Bottomland Prairie Ridge | 8,713.4          | 1.58%          |
| Bottomland Prairie Swale | 34,956.1         | 6.32%          |
| Bottomland Prairie Urban | 16,071.1         | 2.91%          |
| Floodplain Forest Ridge  | 39,945.3         | 7.22%          |
| Floodplain Forest Swale  | 111,387.1        | 20.14%         |
| Floodplain Forest Urban  | 7,286.0          | 1.32%          |
| Other                    | 51,809.4         | 9.37%          |
| Riverfront Forest        | 108,023.1        | 19.54%         |
| Slope Forest             | 21,291.9         | 3.85%          |
| Slope Savanna            | 9,938.7          | 1.80%          |
| Terrace Forest           | 0.0              | 0.00%          |
| Terrace Prairie          | 18,314.7         | 3.31%          |
| Water                    | 37,561.5         | 6.79%          |
| <b>Total</b>             | <b>552,965.3</b> | <b>100.00%</b> |

**Table 10: Land Use and Flooding Frequency**

|                               | <b>Acres</b>     | <b>Percent</b> |
|-------------------------------|------------------|----------------|
| Agriculture, Frequent         | 52,581.0         | 9.53%          |
| Agriculture, Not Frequent     | 240,155.2        | 43.51%         |
| Non-Agriculture, Frequent     | 69,292.4         | 12.55%         |
| Non-Agriculture, Not Frequent | 111,758.3        | 20.25%         |
| Unknown, Frequent             | 1,035.4          | 0.19%          |
| Unknown, Not Frequent         | 3,715.6          | 0.67%          |
| Water                         | 73,427.0         | 13.30%         |
| <b>Total</b>                  | <b>551,964.9</b> | <b>100.00%</b> |

I) **American Bottom Ecoregion**

**Table 1: 2000 Land Cover**

| Class        | Acres            | Percent        |
|--------------|------------------|----------------|
| Agriculture  | 125,722.3        | 48.82%         |
| Developed    | 50,398.5         | 19.57%         |
| Forest       | 30,881.8         | 11.99%         |
| Grass/Forbs  | 9,429.1          | 3.66%          |
| Marsh        | 8,495.5          | 3.30%          |
| Open Water   | 27,227.0         | 10.57%         |
| Sand/Mud     | 2,716.3          | 1.05%          |
| Unknown      | 2,658.2          | 1.03%          |
| <b>Total</b> | <b>257,528.7</b> | <b>100.00%</b> |

**Table 2: 1989 Land Cover**

| Class        | Acres            | Percent        |
|--------------|------------------|----------------|
| Agriculture  | 147,899.7        | 57.33%         |
| Developed    | 46,130.3         | 17.88%         |
| Forest       | 20,856.7         | 8.09%          |
| Grass/Forbs  | 12,555.6         | 4.87%          |
| Marsh        | 779.9            | 0.30%          |
| Open Water   | 25,648.0         | 9.94%          |
| Sand/Mud     | 1,760.9          | 0.68%          |
| Unknown      | 2,327.7          | 0.90%          |
| <b>Total</b> | <b>257,958.8</b> | <b>100.00%</b> |

**Table 3: Farmland Type**

| Type                             | Acres            | Percent        |
|----------------------------------|------------------|----------------|
| All areas are prime farmland     | 60,382.3         | 23.45%         |
| Farmland of statewide importance | 1,191.9          | 0.46%          |
| Not prime farmland               | 125,844.1        | 48.86%         |
| Prime farmland if drained        | 23,253.1         | 9.03%          |
| Prime farmland if protected      | 17,990.9         | 6.99%          |
| Water                            | 28,879.6         | 11.21%         |
| <b>Total</b>                     | <b>257,541.8</b> | <b>100.00%</b> |

**Table 4: Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres            | Percent        |
|---|------------------|----------------|
| All areas are prime farmland, Frequent flooding       | 0.0              | 0.00%          |
| All areas are prime farmland, No flooding             | 714.5            | 0.57%          |
| All areas are prime farmland, Occasional flooding     | 42,980.8         | 34.25%         |
| All areas are prime farmland, Rare flooding           | 3,915.0          | 3.12%          |
| Farmland of statewide importance, Frequent flooding   | 83.5             | 0.07%          |
| Farmland of statewide importance, No flooding         | 225.1            | 0.18%          |
| Farmland of statewide importance, Occasional flooding | 0.0              | 0.00%          |
| Farmland of statewide importance, Rare flooding       | 0.0              | 0.00%          |
| Not prime farmland, Frequent flooding                 | 3,015.3          | 2.40%          |
| Not prime farmland, No flooding                       | 412.4            | 0.33%          |
| Not prime farmland, Occasional flooding               | 49,325.0         | 39.30%         |
| Not prime farmland, Rare flooding                     | 656.0            | 0.52%          |
| Prime farmland if drained, Frequent flooding          | 1,136.3          | 0.91%          |
| Prime farmland if drained, No flooding                | 0.0              | 0.00%          |
| Prime farmland if drained, Occasional flooding        | 15,482.6         | 12.34%         |
| Prime farmland if drained, Rare flooding              | 102.9            | 0.08%          |
| Prime farmland if protected, Frequent flooding        | 7,348.1          | 5.86%          |
| Prime farmland if protected, No flooding              | 0.0              | 0.00%          |
| Prime farmland if protected, Occasional flooding      | 0.0              | 0.00%          |
| Prime farmland if protected, Rare flooding            | 0.0              | 0.00%          |
| Water   | 101.8            | 0.08%          |
| <b>Total</b>  | <b>125,499.0</b> | <b>100.00%</b> |

**Table 5: Prime Farmland vs. Not Prime Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres            | Percent        |
|---|------------------|----------------|
| All areas are prime farmland, Frequent flooding     | 0.0              | 0.00%          |
| All areas are prime farmland, Non-Frequent flooding | 47,610.2         | 37.94%         |
| Not prime farmland, Frequent flooding               | 11,583.2         | 9.23%          |
| Not prime farmland, Non-Frequent flooding           | 66,203.9         | 52.75%         |
| Water   | 101.8            | 0.08%          |
| <b>Total</b>  | <b>125,499.0</b> | <b>100.00%</b> |

**Table 6: Hydric Soils**

| Type             | Acres            | Percent        |
|------------------|------------------|----------------|
| All hydric       | 89,497.1         | 34.75%         |
| Not hydric       | 51,292.0         | 19.92%         |
| Partially hydric | 83,968.3         | 32.60%         |
| Unknown          | 3,581.5          | 1.39%          |
| Water            | 29,202.9         | 11.34%         |
| <b>Total</b>     | <b>257,541.8</b> | <b>100.00%</b> |

**Table 7: Public Land**

|  | Acres    | Percent |
|--|----------|---------|
|  | 24,285.2 | 9.43%   |

**Table 8: Wetlands Reserve Program**

|  | Acres   | Percent |
|--|---------|---------|
|  | 3,569.5 | 1.39%   |

**Table 9: Presettlement Land Cover**

|                          | Acres            | Percent        |
|--------------------------|------------------|----------------|
| BLH                      | 0.0              | 0.00%          |
| BLH Ridge                | 0.0              | 0.00%          |
| Bottomland Lake          | 16,801.5         | 6.51%          |
| Bottomland Prairie Ridge | 4,777.2          | 1.85%          |
| Bottomland Prairie Swale | 34,440.5         | 13.35%         |
| Bottomland Prairie Urban | 16,071.1         | 6.23%          |
| Floodplain Forest Ridge  | 8,526.3          | 3.31%          |
| Floodplain Forest Swale  | 32,694.2         | 12.67%         |
| Floodplain Forest Urban  | 7,286.0          | 2.82%          |
| Other                    | 22,066.0         | 8.55%          |
| Riverfront Forest        | 52,755.0         | 20.45%         |
| Slope Forest             | 15,342.3         | 5.95%          |
| Slope Savanna            | 9,938.7          | 3.85%          |
| Terrace Forest           | 0.0              | 0.00%          |
| Terrace Prairie          | 18,314.7         | 7.10%          |
| Water                    | 18,945.4         | 7.34%          |
|                          | <b>257,958.8</b> | <b>100.00%</b> |

**Table 10: Land Use and Flooding Frequency**

|                               | <b>Acres</b> | <b>Percent</b> |
|-------------------------------|--------------|----------------|
| Agriculture, Frequent         | 11,806.5     | 4.58%          |
| Agriculture, Not Frequent     | 113,829.7    | 44.20%         |
| Non-Agriculture, Frequent     | 23,404.4     | 9.09%          |
| Non-Agriculture, Not Frequent | 75,265.0     | 29.23%         |
| Unknown, Frequent             | 336.3        | 0.13%          |
| Unknown, Not Frequent         | 2,318.3      | 0.90%          |
| Water                         | 30,566.6     | 11.87%         |
|                               | 257,526.8    | 100.00%        |

**Table 11: Remnant Vegetation Sub Areas 1 and 2 combined**

|                          | <b>Acres</b> | <b>Percent</b> |
|--------------------------|--------------|----------------|
| BLH                      | 0.0          | 0.00%          |
| BLH Ridge                | 0.0          | 0.00%          |
| Bottomland Lake          | 7,449.9      | 18.59%         |
| Bottomland Prairie Ridge | 360.2        | 0.90%          |
| Bottomland Prairie Swale | 3,949.4      | 9.85%          |
| Bottomland Prairie Urban | 446.1        | 1.11%          |
| Floodplain Forest Ridge  | 786.9        | 1.96%          |
| Floodplain Forest Swale  | 2,763.6      | 6.89%          |
| Floodplain Forest Urban  | 338.4        | 0.84%          |
| Other                    | 0.0          | 0.00%          |
| Riverfront Forest        | 22,274.3     | 55.57%         |
| Slope Forest             | 981.2        | 2.45%          |
| Slope Savanna            | 133.4        | 0.33%          |
| Terrace Forest           | 0.0          | 0.00%          |
| Terrace Mesic Prairie    | 600.4        | 1.50%          |
| <b>Total</b>             | 40,083.7     | 100.00%        |

**A) Reach 1: American Bottom Ecoregion**

**Table 1: 2000 Land Cover**

| <b>Class</b> | <b>Acres</b>     | <b>Percent</b> |
|--------------|------------------|----------------|
| Agriculture  | 64,844.6         | 39.59%         |
| Developed    | 48,859.2         | 29.83%         |
| Forest       | 18,236.2         | 11.13%         |
| Grass/Forbs  | 7,095.7          | 4.33%          |
| Marsh        | 6,078.3          | 3.71%          |
| Open Water   | 15,200.3         | 9.28%          |
| Sand/Mud     | 1,294.3          | 0.79%          |
| Unknown      | 2,175.3          | 1.33%          |
| <b>Total</b> | <b>163,783.7</b> | <b>100.00%</b> |

**Table 2: 1989 Land Cover**

| <b>Class</b> | <b>Acres</b>     | <b>Percent</b> |
|--------------|------------------|----------------|
| Agriculture  | 80,719.4         | 49.23%         |
| Developed    | 45,574.6         | 27.80%         |
| Forest       | 10,924.4         | 6.66%          |
| Grass/Forbs  | 10,129.6         | 6.18%          |
| Marsh        | 567.8            | 0.35%          |
| Open Water   | 13,828.8         | 8.43%          |
| Sand/Mud     | 736.2            | 0.45%          |
| Unknown      | 1,483.2          | 0.90%          |
| <b>Total</b> | <b>163,964.1</b> | <b>100.00%</b> |

**Table 3: Farmland Type**

| <b>Type</b>                      | <b>Acres</b>     | <b>Percent</b> |
|----------------------------------|------------------|----------------|
| All areas are prime farmland     | 36,479.6         | 22.27%         |
| Farmland of statewide importance | 880.0            | 0.54%          |
| Not prime farmland               | 89,716.4         | 54.77%         |
| Prime farmland if drained        | 14,611.1         | 8.92%          |
| Prime farmland if protected      | 6,148.7          | 3.75%          |
| Water                            | 15,961.2         | 9.74%          |
| <b>Total</b>                     | <b>163,796.9</b> | <b>100.00%</b> |

**Table 4: Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres           | Percent        |
|---|-----------------|----------------|
| All areas are prime farmland, Frequent flooding       | 0.0             | 0.00%          |
| All areas are prime farmland, No flooding             | 542.1           | 0.84%          |
| All areas are prime farmland, Occasional flooding     | 21,811.8        | 33.75%         |
| All areas are prime farmland, Rare flooding           | 3,190.7         | 4.94%          |
| Farmland of statewide importance, Frequent flooding   | 83.5            | 0.13%          |
| Farmland of statewide importance, No flooding         | 15.4            | 0.02%          |
| Farmland of statewide importance, Occasional flooding | 0.0             | 0.00%          |
| Farmland of statewide importance, Rare flooding       | 0.0             | 0.00%          |
| Not prime farmland, Frequent flooding                 | 2,017.7         | 3.12%          |
| Not prime farmland, No flooding                       | 309.6           | 0.48%          |
| Not prime farmland, Occasional flooding               | 23,647.9        | 36.59%         |
| Not prime farmland, Rare flooding                     | 656.0           | 1.02%          |
| Prime farmland if drained, Frequent flooding          | 731.0           | 1.13%          |
| Prime farmland if drained, No flooding                | 0.0             | 0.00%          |
| Prime farmland if drained, Occasional flooding        | 8,261.0         | 12.78%         |
| Prime farmland if drained, Rare flooding              | 102.9           | 0.16%          |
| Prime farmland if protected, Frequent flooding        | 3,175.8         | 4.91%          |
| Prime farmland if protected, No flooding              | 0.0             | 0.00%          |
| Prime farmland if protected, Occasional flooding      | 0.0             | 0.00%          |
| Prime farmland if protected, Rare flooding            | 0.0             | 0.00%          |
| Water   | 75.9            | 0.12%          |
| <b>Total</b>  | <b>64,621.3</b> | <b>100.00%</b> |

**Table 5: Prime Farmland vs. Not Prime Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres           | Percent        |
|---|-----------------|----------------|
| All areas are prime farmland, Frequent flooding     | 0.0             | 0.00%          |
| All areas are prime farmland, Non-Frequent flooding | 25,544.6        | 39.53%         |
| Not prime farmland, Frequent flooding               | 6,008.0         | 9.30%          |
| Not prime farmland, Non-Frequent flooding           | 32,992.8        | 51.06%         |
| Water   | 75.9            | 0.12%          |
| <b>Total</b>  | <b>64,621.3</b> | <b>100.00%</b> |

**Table 6: Hydric Soils**

| Type             | Acres            | Percent        |
|------------------|------------------|----------------|
| All hydric       | 48,522.0         | 29.62%         |
| Not hydric       | 38,738.3         | 23.65%         |
| Partially hydric | 56,670.4         | 34.60%         |
| Unknown          | 3,581.5          | 2.19%          |
| Water            | 16,284.6         | 9.94%          |
| <b>Total</b>     | <b>163,796.8</b> | <b>100.00%</b> |

**Table 7: Public Land**

|  | Acres    | Percent |
|--|----------|---------|
|  | 21,099.3 | 12.88%  |

**Table 8: Wetlands Reserve Program**

|  | Acres | Percent |
|--|-------|---------|
|  | 693.6 | 0.42%   |

**Table 9: Presettlement Land Cover**

|                          | Acres            | Percent        |
|--------------------------|------------------|----------------|
| BLH                      | 0.0              | 0.00%          |
| BLH Ridge                | 0.0              | 0.00%          |
| Bottomland Lake          | 10,400.2         | 6.34%          |
| Bottomland Prairie Ridge | 3,840.5          | 2.34%          |
| Bottomland Prairie Swale | 20,574.1         | 12.55%         |
| Bottomland Prairie Urban | 16,071.1         | 9.80%          |
| Floodplain Forest Ridge  | 3,706.0          | 2.26%          |
| Floodplain Forest Swale  | 13,934.5         | 8.50%          |
| Floodplain Forest Urban  | 7,286.0          | 4.44%          |
| Other                    | 13,042.7         | 7.95%          |
| Riverfront Forest        | 32,579.7         | 19.87%         |
| Slope Forest             | 11,753.9         | 7.17%          |
| Slope Savanna            | 5,853.8          | 3.57%          |
| Terrace Forest           | 0.0              | 0.00%          |
| Terrace Prairie          | 16,065.7         | 9.80%          |
| Water                    | 8,855.8          | 5.40%          |
|                          | <b>163,964.1</b> | <b>100.00%</b> |

**Table 10: Land Use and Flooding Frequency**

|                               | <b>Acres</b> | <b>Percent</b> |
|-------------------------------|--------------|----------------|
| Agriculture, Frequent         | 6,231.2      | 3.80%          |
| Agriculture, Not Frequent     | 58,544.1     | 35.75%         |
| Non-Agriculture, Frequent     | 9,843.9      | 6.01%          |
| Non-Agriculture, Not Frequent | 69,424.1     | 42.39%         |
| Unknown, Frequent             | 317.4        | 0.19%          |
| Unknown, Not Frequent         | 1,854.3      | 1.13%          |
| Water                         | 17,566.9     | 10.73%         |
|                               | 163,781.9    | 100.00%        |

**Table 11: Remnant Vegetation Sub Area 1**

|                          | <b>Acres</b> | <b>Percent</b> |
|--------------------------|--------------|----------------|
| BLH                      | 0.0          | 0.00%          |
| BLH Ridge                | 0.0          | 0.00%          |
| Bottomland Lake          | 5,787.8      | 27.38%         |
| Bottomland Prairie Ridge | 174.8        | 0.83%          |
| Bottomland Prairie Swale | 2,367.8      | 11.20%         |
| Bottomland Prairie Urban | 446.1        | 2.11%          |
| Floodplain Forest Ridge  | 641.2        | 3.03%          |
| Floodplain Forest Swale  | 1,805.5      | 8.54%          |
| Floodplain Forest Urban  | 338.4        | 1.60%          |
| Other                    | 0.0          | 0.00%          |
| Riverfront Forest        | 8,487.9      | 40.15%         |
| Slope Forest             | 506.8        | 2.40%          |
| Slope Savanna            | 83.9         | 0.40%          |
| Terrace Forest           | 0.0          | 0.00%          |
| Terrace Mesic Prairie    | 502.3        | 2.38%          |
| <b>Total</b>             | 21,142.4     | 100.00%        |

**i) 2000 Land Cover: Reach 1 Tables**

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|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 103.0        | 14.64%         |
| Developed   | 47.2         | 6.71%          |
| Forest      | 468.6        | 66.59%         |
| Grass/Forbs | 7.6          | 1.08%          |
| Marsh       | 17.8         | 2.53%          |
| Open Water  | 53.3         | 7.57%          |
| Sand/Mud    | 5.3          | 0.76%          |
| Unknown     | 0.8          | 0.12%          |
|             | 703.7        | 100.00%        |

1-4

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,715.6      | 52.27%         |
| Developed   | 258.7        | 7.88%          |
| Forest      | 823.9        | 25.10%         |
| Grass/Forbs | 247.9        | 7.55%          |
| Marsh       | 117.0        | 3.56%          |
| Open Water  | 76.2         | 2.32%          |
| Sand/Mud    | 42.7         | 1.30%          |
| Unknown     | 0.0          | 0.00%          |
|             | 3,281.8      | 100.00%        |

1-2

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,640.4      | 42.10%         |
| Developed   | 28.8         | 0.74%          |
| Forest      | 1,626.0      | 41.73%         |
| Grass/Forbs | 221.6        | 5.69%          |
| Marsh       | 182.1        | 4.67%          |
| Open Water  | 124.4        | 3.19%          |
| Sand/Mud    | 73.1         | 1.88%          |
| Unknown     | 0.0          | 0.00%          |
|             | 3,896.3      | 100.00%        |

1-5A

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 473.5        | 34.24%         |
| Developed   | 14.6         | 1.06%          |
| Forest      | 649.7        | 46.97%         |
| Grass/Forbs | 133.7        | 9.66%          |
| Marsh       | 71.4         | 5.16%          |
| Open Water  | 32.9         | 2.38%          |
| Sand/Mud    | 7.3          | 0.52%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,383.0      | 100.00%        |

1-3

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 213.6        | 31.32%         |
| Developed   | 17.1         | 2.51%          |
| Forest      | 408.9        | 59.95%         |
| Grass/Forbs | 15.1         | 2.22%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 16.5         | 2.42%          |
| Sand/Mud    | 9.3          | 1.37%          |
| Unknown     | 1.4          | 0.20%          |
|             | 682.0        | 100.00%        |

1-5B

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 2.9          | 0.13%          |
| Developed   | 26.0         | 1.12%          |
| Forest      | 1,041.3      | 44.91%         |
| Grass/Forbs | 0.1          | 0.01%          |
| Marsh       | 59.2         | 2.55%          |
| Open Water  | 558.2        | 24.08%         |
| Sand/Mud    | 630.8        | 27.21%         |
| Unknown     | 0.0          | 0.00%          |
|             | 2,318.7      | 100.00%        |

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1-5C

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 673.2        | 88.39%         |
| Developed   | 3.4          | 0.45%          |
| Forest      | 10.1         | 1.33%          |
| Grass/Forbs | 71.3         | 9.36%          |
| Marsh       | 2.6          | 0.34%          |
| Open Water  | 0.9          | 0.12%          |
| Sand/Mud    | 0.1          | 0.01%          |
| Unknown     | 0.0          | 0.00%          |
|             | 761.6        | 100.00%        |

1-6B

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 109.4        | 11.04%         |
| Developed   | 0.0          | 0.00%          |
| Forest      | 633.0        | 63.88%         |
| Grass/Forbs | 13.2         | 1.34%          |
| Marsh       | 82.7         | 8.35%          |
| Open Water  | 99.6         | 10.05%         |
| Sand/Mud    | 53.0         | 5.35%          |
| Unknown     | 0.0          | 0.00%          |
|             | 991.0        | 100.00%        |

1-5D

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 910.3        | 44.77%         |
| Developed   | 236.8        | 11.65%         |
| Forest      | 277.6        | 13.65%         |
| Grass/Forbs | 225.4        | 11.08%         |
| Marsh       | 256.8        | 12.63%         |
| Open Water  | 118.2        | 5.81%          |
| Sand/Mud    | 8.3          | 0.41%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,033.5      | 100.00%        |

1-7

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 36.1         | 4.53%          |
| Developed   | 3.6          | 0.45%          |
| Forest      | 536.9        | 67.31%         |
| Grass/Forbs | 21.2         | 2.65%          |
| Marsh       | 11.5         | 1.45%          |
| Open Water  | 146.6        | 18.38%         |
| Sand/Mud    | 41.7         | 5.23%          |
| Unknown     | 0.0          | 0.00%          |
|             | 797.7        | 100.00%        |

1-6A

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 4,034.2      | 90.63%         |
| Developed   | 70.2         | 1.58%          |
| Forest      | 222.9        | 5.01%          |
| Grass/Forbs | 70.3         | 1.58%          |
| Marsh       | 44.0         | 0.99%          |
| Open Water  | 9.7          | 0.22%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 0.0          | 0.00%          |
|             | 4,451.3      | 100.00%        |

1-8

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 12,748.7     | 91.79%         |
| Developed   | 211.8        | 1.53%          |
| Forest      | 370.9        | 2.67%          |
| Grass/Forbs | 357.3        | 2.57%          |
| Marsh       | 90.2         | 0.65%          |
| Open Water  | 79.8         | 0.57%          |
| Sand/Mud    | 20.8         | 0.15%          |
| Unknown     | 9.3          | 0.07%          |
|             | 13,888.9     | 100.00%        |

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1-9

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 8,784.8      | 67.88%         |
| Developed   | 2,114.6      | 16.34%         |
| Forest      | 701.8        | 5.42%          |
| Grass/Forbs | 846.2        | 6.54%          |
| Marsh       | 344.8        | 2.66%          |
| Open Water  | 108.1        | 0.84%          |
| Sand/Mud    | 2.6          | 0.02%          |
| Unknown     | 38.4         | 0.30%          |
|             | 12,941.2     | 100.00%        |

1-12A

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,818.0      | 88.79%         |
| Developed   | 0.7          | 0.03%          |
| Forest      | 100.3        | 4.90%          |
| Grass/Forbs | 67.6         | 3.30%          |
| Marsh       | 2.4          | 0.12%          |
| Open Water  | 55.6         | 2.72%          |
| Sand/Mud    | 2.9          | 0.14%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,047.6      | 100.00%        |

1-10

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 2,963.9      | 79.46%         |
| Forest      | 179.0        | 4.80%          |
| Grass/Forbs | 31.2         | 0.84%          |
| Marsh       | 28.1         | 0.75%          |
| Open Water  | 8.5          | 0.23%          |
| Sand/Mud    | 3.4          | 0.09%          |
| Unknown     | 515.9        | 13.83%         |
|             | 3,730.0      | 100.00%        |

1-12B

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 935.4        | 95.23%         |
| Developed   | 5.9          | 0.60%          |
| Forest      | 2.6          | 0.26%          |
| Grass/Forbs | 35.4         | 3.61%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 3.0          | 0.30%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 0.0          | 0.00%          |
|             | 982.3        | 100.00%        |

1-11

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 27,556.7     | 32.11%         |
| Developed   | 36,360.3     | 42.36%         |
| Forest      | 8,770.8      | 10.22%         |
| Grass/Forbs | 4,159.5      | 4.85%          |
| Marsh       | 4,264.5      | 4.97%          |
| Open Water  | 4,630.6      | 5.40%          |
| Sand/Mud    | 33.3         | 0.04%          |
| Unknown     | 52.0         | 0.06%          |
|             | 85,827.7     | 100.00%        |

1-12C

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 87.6         | 10.71%         |
| Developed   | 0.0          | 0.00%          |
| Forest      | 575.3        | 70.28%         |
| Grass/Forbs | 48.8         | 5.96%          |
| Marsh       | 91.8         | 11.22%         |
| Open Water  | 12.7         | 1.55%          |
| Sand/Mud    | 2.3          | 0.28%          |
| Unknown     | 0.0          | 0.00%          |
|             | 818.5        | 100.00%        |

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1-13

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 3,013.8      | 23.50%         |
| Developed   | 6,416.6      | 50.04%         |
| Forest      | 780.1        | 6.08%          |
| Grass/Forbs | 531.8        | 4.15%          |
| Marsh       | 404.0        | 3.15%          |
| Open Water  | 140.1        | 1.09%          |
| Sand/Mud    | 9.1          | 0.07%          |
| Unknown     | 1,527.5      | 11.91%         |
|             | 12,822.9     | 100.00%        |

1-16

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 21.2         | 0.64%          |
| Forest      | 49.2         | 1.50%          |
| Grass/Forbs | 6.1          | 0.19%          |
| Marsh       | 10.0         | 0.30%          |
| Open Water  | 3,096.1      | 94.26%         |
| Sand/Mud    | 102.2        | 3.11%          |
| Unknown     | 0.0          | 0.00%          |
|             | 3,284.7      | 100.00%        |

1-14

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 18.4         | 1.59%          |
| Forest      | 15.2         | 1.31%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 1,083.3      | 93.80%         |
| Sand/Mud    | 38.1         | 3.30%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,155.0      | 100.00%        |

1-17

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 27.8         | 2.66%          |
| Forest      | 5.3          | 0.50%          |
| Grass/Forbs | 2.0          | 0.19%          |
| Marsh       | 0.6          | 0.06%          |
| Open Water  | 1,005.5      | 96.08%         |
| Sand/Mud    | 5.3          | 0.51%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,046.4      | 100.00%        |

1-15

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 32.0         | 0.79%          |
| Forest      | 18.6         | 0.46%          |
| Grass/Forbs | 1.5          | 0.04%          |
| Marsh       | 7.1          | 0.18%          |
| Open Water  | 3,769.8      | 93.29%         |
| Sand/Mud    | 212.2        | 5.25%          |
| Unknown     | 0.0          | 0.00%          |
|             | 4,041.1      | 100.00%        |

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ii) 1989 Land Cover: Reach 1 Tables

1-1

|             | Acres | Percent |
|-------------|-------|---------|
| Agriculture | 110.2 | 15.52%  |
| Developed   | 31.5  | 4.44%   |
| Forest      | 373.3 | 52.59%  |
| Grass/Forbs | 71.5  | 10.08%  |
| Marsh       | 18.0  | 2.54%   |
| Open Water  | 24.0  | 3.38%   |
| Sand/Mud    | 2.7   | 0.37%   |
| Unknown     | 78.6  | 11.07%  |
|             | 709.8 | 100.00% |

1-4

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 1,448.8 | 44.30%  |
| Developed   | 170.4   | 5.21%   |
| Forest      | 749.1   | 22.90%  |
| Grass/Forbs | 319.8   | 9.78%   |
| Marsh       | 150.7   | 4.61%   |
| Open Water  | 357.6   | 10.93%  |
| Sand/Mud    | 74.2    | 2.27%   |
| Unknown     | 0.0     | 0.00%   |
|             | 3,270.5 | 100.00% |

1-2

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 1,516.3 | 38.56%  |
| Developed   | 34.5    | 0.88%   |
| Forest      | 1,625.7 | 41.34%  |
| Grass/Forbs | 122.2   | 3.11%   |
| Marsh       | 118.4   | 3.01%   |
| Open Water  | 345.7   | 8.79%   |
| Sand/Mud    | 169.2   | 4.30%   |
| Unknown     | 0.0     | 0.00%   |
|             | 3,932.2 | 100.00% |

1-5A

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 434.7   | 31.79%  |
| Developed   | 5.5     | 0.41%   |
| Forest      | 537.9   | 39.33%  |
| Grass/Forbs | 75.4    | 5.52%   |
| Marsh       | 46.3    | 3.39%   |
| Open Water  | 254.1   | 18.58%  |
| Sand/Mud    | 13.4    | 0.98%   |
| Unknown     | 0.0     | 0.00%   |
|             | 1,367.5 | 100.00% |

1-3

|             | Acres | Percent |
|-------------|-------|---------|
| Agriculture | 223.2 | 32.64%  |
| Developed   | 17.5  | 2.56%   |
| Forest      | 311.4 | 45.53%  |
| Grass/Forbs | 38.0  | 5.56%   |
| Marsh       | 8.7   | 1.27%   |
| Open Water  | 0.0   | 0.00%   |
| Sand/Mud    | 0.3   | 0.04%   |
| Unknown     | 84.8  | 12.40%  |
|             | 683.8 | 100.00% |

1-5B

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 2.1     | 0.09%   |
| Developed   | 16.4    | 0.71%   |
| Forest      | 939.8   | 40.58%  |
| Grass/Forbs | 0.0     | 0.00%   |
| Marsh       | 38.9    | 1.68%   |
| Open Water  | 682.9   | 29.49%  |
| Sand/Mud    | 635.8   | 27.45%  |
| Unknown     | 0.0     | 0.00%   |
|             | 2,315.9 | 100.00% |

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1-5C

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 632.0        | 79.62%         |
| Developed   | 5.5          | 0.70%          |
| Forest      | 85.4         | 10.76%         |
| Grass/Forbs | 29.7         | 3.74%          |
| Marsh       | 6.3          | 0.79%          |
| Open Water  | 31.4         | 3.96%          |
| Sand/Mud    | 3.4          | 0.43%          |
| Unknown     | 0.0          | 0.00%          |
|             | 793.8        | 100.00%        |

1-6B

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 159.5        | 16.08%         |
| Developed   | 1.3          | 0.13%          |
| Forest      | 570.2        | 57.48%         |
| Grass/Forbs | 7.0          | 0.70%          |
| Marsh       | 8.8          | 0.88%          |
| Open Water  | 228.7        | 23.06%         |
| Sand/Mud    | 16.5         | 1.67%          |
| Unknown     | 0.0          | 0.00%          |
|             | 991.9        | 100.00%        |

1-5D

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 994.9        | 49.30%         |
| Developed   | 255.5        | 12.66%         |
| Forest      | 265.9        | 13.18%         |
| Grass/Forbs | 331.4        | 16.42%         |
| Marsh       | 80.9         | 4.01%          |
| Open Water  | 89.3         | 4.42%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,017.8      | 100.00%        |

1-7

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.1          | 0.01%          |
| Developed   | 13.5         | 1.69%          |
| Forest      | 452.7        | 56.77%         |
| Grass/Forbs | 10.4         | 1.31%          |
| Marsh       | 28.0         | 3.51%          |
| Open Water  | 280.4        | 35.17%         |
| Sand/Mud    | 12.2         | 1.53%          |
| Unknown     | 0.0          | 0.00%          |
|             | 797.4        | 100.00%        |

1-6A

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 2,131.3      | 47.70%         |
| Developed   | 41.2         | 0.92%          |
| Forest      | 121.7        | 2.72%          |
| Grass/Forbs | 38.9         | 0.87%          |
| Marsh       | 11.4         | 0.26%          |
| Open Water  | 13.2         | 0.30%          |
| Sand/Mud    | 4.1          | 0.09%          |
| Unknown     | 2,105.8      | 47.13%         |
|             | 4,467.7      | 100.00%        |

1-8

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 9,757.8      | 70.25%         |
| Developed   | 225.7        | 1.63%          |
| Forest      | 518.7        | 3.73%          |
| Grass/Forbs | 420.2        | 3.03%          |
| Marsh       | 90.2         | 0.65%          |
| Open Water  | 15.1         | 0.11%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 2,862.1      | 20.61%         |
|             | 13,889.8     | 100.00%        |

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1-9

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 7,015.1      | 54.19%         |
| Developed   | 762.6        | 5.89%          |
| Forest      | 522.9        | 4.04%          |
| Grass/Forbs | 640.1        | 4.94%          |
| Marsh       | 228.7        | 1.77%          |
| Open Water  | 46.1         | 0.36%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 3,730.0      | 28.81%         |
|             | 12,945.6     | 100.00%        |

1-12A

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,755.1      | 85.70%         |
| Developed   | 1.4          | 0.07%          |
| Forest      | 122.8        | 6.00%          |
| Grass/Forbs | 47.3         | 2.31%          |
| Marsh       | 13.6         | 0.66%          |
| Open Water  | 46.6         | 2.27%          |
| Sand/Mud    | 0.3          | 0.01%          |
| Unknown     | 60.9         | 2.97%          |
|             | 2,047.9      | 100.00%        |

1-10

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 2,507.1      | 67.21%         |
| Forest      | 223.2        | 5.98%          |
| Grass/Forbs | 140.4        | 3.76%          |
| Marsh       | 6.5          | 0.17%          |
| Open Water  | 46.1         | 1.24%          |
| Sand/Mud    | 28.0         | 0.75%          |
| Unknown     | 779.0        | 20.88%         |
|             | 3,730.3      | 100.00%        |

1-12B

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 148.3        | 15.10%         |
| Developed   | 0.0          | 0.00%          |
| Forest      | 88.1         | 8.97%          |
| Grass/Forbs | 20.4         | 2.07%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 0.0          | 0.00%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 725.4        | 73.86%         |
|             | 982.1        | 100.00%        |

1-11

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 3,293.6      | 3.84%          |
| Developed   | 7,086.3      | 8.25%          |
| Forest      | 1,236.5      | 1.44%          |
| Grass/Forbs | 1,767.9      | 2.06%          |
| Marsh       | 221.1        | 0.26%          |
| Open Water  | 115.9        | 0.14%          |
| Sand/Mud    | 12.2         | 0.01%          |
| Unknown     | 72,109.3     | 84.00%         |
|             | 85,842.9     | 100.00%        |

1-12C

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 18.5         | 2.26%          |
| Developed   | 0.0          | 0.00%          |
| Forest      | 118.6        | 14.47%         |
| Grass/Forbs | 7.4          | 0.90%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 0.3          | 0.03%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 674.5        | 82.33%         |
|             | 819.2        | 100.00%        |

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1-13

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 391.3        | 3.05%          |
| Developed   | 3,478.5      | 27.10%         |
| Forest      | 353.5        | 2.75%          |
| Grass/Forbs | 106.6        | 0.83%          |
| Marsh       | 61.4         | 0.48%          |
| Open Water  | 19.4         | 0.15%          |
| Sand/Mud    | 2.2          | 0.02%          |
| Unknown     | 8,424.5      | 65.62%         |
|             | 12,837.3     | 100.00%        |

1-16

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 89.3         | 2.73%          |
| Developed   | 128.5        | 3.92%          |
| Forest      | 223.1        | 6.82%          |
| Grass/Forbs | 34.0         | 1.04%          |
| Marsh       | 16.5         | 0.50%          |
| Open Water  | 2,632.1      | 80.41%         |
| Sand/Mud    | 145.4        | 4.44%          |
| Unknown     | 4.3          | 0.13%          |
|             | 3,273.2      | 100.00%        |

1-14

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.1          | 0.01%          |
| Developed   | 36.2         | 3.15%          |
| Forest      | 89.2         | 7.76%          |
| Grass/Forbs | 0.4          | 0.04%          |
| Marsh       | 1.9          | 0.16%          |
| Open Water  | 974.4        | 84.85%         |
| Sand/Mud    | 46.1         | 4.02%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,148.4      | 100.00%        |

1-17

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1.8          | 0.17%          |
| Developed   | 125.6        | 12.01%         |
| Forest      | 58.4         | 5.59%          |
| Grass/Forbs | 17.2         | 1.64%          |
| Marsh       | 16.4         | 1.57%          |
| Open Water  | 803.7        | 76.85%         |
| Sand/Mud    | 2.0          | 0.19%          |
| Unknown     | 20.6         | 1.97%          |
|             | 1,045.7      | 100.00%        |

1-15

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 335.0        | 8.27%          |
| Forest      | 104.0        | 2.57%          |
| Grass/Forbs | 19.0         | 0.47%          |
| Marsh       | 6.2          | 0.15%          |
| Open Water  | 3,415.4      | 84.32%         |
| Sand/Mud    | 149.0        | 3.68%          |
| Unknown     | 22.1         | 0.55%          |
|             | 4,050.6      | 100.00%        |

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iii) **Farmland Type: Reach 1 Tables**

1-1

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 4.2          | 0.59%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 10.4         | 1.47%          |
| Prime farmland if drained        | 232.4        | 33.03%         |
| Prime farmland if protected      | 416.9        | 59.24%         |
| Water                            | 39.8         | 5.66%          |
|                                  | 703.7        | 100.00%        |

1-2

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 11.2         | 0.29%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 1,429.3      | 36.82%         |
| Prime farmland if drained        | 0.1          | 0.00%          |
| Prime farmland if protected      | 2,361.3      | 60.82%         |
| Water                            | 80.3         | 2.07%          |
|                                  | 3,882.2      | 100.00%        |

1-3

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 1.0          | 0.15%          |
| Prime farmland if drained        | 661.8        | 97.04%         |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 19.1         | 2.80%          |
|                                  | 682.0        | 100.00%        |

1-4

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 221.8        | 6.81%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 1,139.4      | 35.01%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 1,821.3      | 55.96%         |
| Water                            | 72.4         | 2.22%          |
|                                  | 3,254.8      | 100.00%        |

1-5A

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 987.4        | 71.41%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 338.5        | 24.48%         |
| Water                            | 56.8         | 4.11%          |
|                                  | 1,382.7      | 100.00%        |

1-5B

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 756.8        | 32.68%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 216.3        | 9.34%          |
| Water                            | 1,343.0      | 57.98%         |
|                                  | 2,316.1      | 100.00%        |

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1-5C

|                                  | Acres | Percent |
|----------------------------------|-------|---------|
| All areas are prime farmland     | 0.0   | 0.00%   |
| Farmland of statewide importance | 0.0   | 0.00%   |
| Not prime farmland               | 520.2 | 68.31%  |
| Prime farmland if drained        | 0.0   | 0.00%   |
| Prime farmland if protected      | 239.3 | 31.42%  |
| Water                            | 2.0   | 0.27%   |
|                                  | 761.6 | 100.00% |

1-5D

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 1,503.1 | 74.59%  |
| Prime farmland if drained        | 0.0     | 0.00%   |
| Prime farmland if protected      | 401.9   | 19.94%  |
| Water                            | 110.1   | 5.47%   |
|                                  | 2,015.1 | 100.00% |

1-6A

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 2,508.6 | 56.51%  |
| Farmland of statewide importance | 41.0    | 0.92%   |
| Not prime farmland               | 725.7   | 16.35%  |
| Prime farmland if drained        | 1,140.8 | 25.70%  |
| Prime farmland if protected      | 19.6    | 0.44%   |
| Water                            | 3.6     | 0.08%   |
|                                  | 4,439.5 | 100.00% |

1-6B

|                                  | Acres | Percent |
|----------------------------------|-------|---------|
| All areas are prime farmland     | 0.0   | 0.00%   |
| Farmland of statewide importance | 0.0   | 0.00%   |
| Not prime farmland               | 132.8 | 13.42%  |
| Prime farmland if drained        | 686.1 | 69.32%  |
| Prime farmland if protected      | 0.0   | 0.00%   |
| Water                            | 170.9 | 17.27%  |
|                                  | 989.8 | 100.00% |

1-7

|                                  | Acres | Percent |
|----------------------------------|-------|---------|
| All areas are prime farmland     | 0.0   | 0.00%   |
| Farmland of statewide importance | 0.0   | 0.00%   |
| Not prime farmland               | 0.0   | 0.00%   |
| Prime farmland if drained        | 600.9 | 75.33%  |
| Prime farmland if protected      | 0.0   | 0.00%   |
| Water                            | 196.8 | 24.67%  |
|                                  | 797.7 | 100.00% |

1-8

|                                  | Acres    | Percent |
|----------------------------------|----------|---------|
| All areas are prime farmland     | 5,488.7  | 39.56%  |
| Farmland of statewide importance | 0.0      | 0.00%   |
| Not prime farmland               | 5,912.1  | 42.61%  |
| Prime farmland if drained        | 2,365.4  | 17.05%  |
| Prime farmland if protected      | 47.6     | 0.34%   |
| Water                            | 62.2     | 0.45%   |
|                                  | 13,876.0 | 100.00% |

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1-9

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 4,201.1      | 32.48%         |
| Farmland of statewide importance | 4.7          | 0.04%          |
| Not prime farmland               | 7,049.9      | 54.51%         |
| Prime farmland if drained        | 1,565.1      | 12.10%         |
| Prime farmland if protected      | 37.7         | 0.29%          |
| Water                            | 74.5         | 0.58%          |
|                                  | 12,933.0     | 100.00%        |

1-10

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 4.4          | 0.12%          |
| Not prime farmland               | 3,721.8      | 99.78%         |
| Prime farmland if drained        | 1.5          | 0.04%          |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 2.3          | 0.06%          |
|                                  | 3,730.0      | 100.00%        |

1-11

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 20,784.9     | 24.22%         |
| Farmland of statewide importance | 8.7          | 0.01%          |
| Not prime farmland               | 56,946.9     | 66.35%         |
| Prime farmland if drained        | 3,859.6      | 4.50%          |
| Prime farmland if protected      | 150.6        | 0.18%          |
| Water                            | 4,074.0      | 4.75%          |
|                                  | 85,824.7     | 100.00%        |

1-12A

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 439.8        | 21.50%         |
| Farmland of statewide importance | 63.7         | 3.11%          |
| Not prime farmland               | 36.6         | 1.79%          |
| Prime farmland if drained        | 1,475.8      | 72.13%         |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 30.2         | 1.48%          |
|                                  | 2,046.0      | 100.00%        |

1-12B

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 635.4        | 64.75%         |
| Farmland of statewide importance | 16.3         | 1.66%          |
| Not prime farmland               | 0.0          | 0.00%          |
| Prime farmland if drained        | 329.6        | 33.59%         |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 0.0          | 0.00%          |
|                                  | 981.3        | 100.00%        |

1-12C

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 110.9        | 13.55%         |
| Farmland of statewide importance | 703.1        | 85.90%         |
| Not prime farmland               | 0.0          | 0.00%          |
| Prime farmland if drained        | 2.3          | 0.29%          |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 2.1          | 0.26%          |
|                                  | 818.5        | 100.00%        |

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1-13

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 2,064.3      | 16.08%         |
| Farmland of statewide importance | 37.1         | 0.29%          |
| Not prime farmland               | 8,768.9      | 68.31%         |
| Prime farmland if drained        | 1,661.6      | 12.94%         |
| Prime farmland if protected      | 60.3         | 0.47%          |
| Water                            | 245.2        | 1.91%          |
|                                  | 12,837.3     | 100.00%        |

1-14

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 22.9         | 2.00%          |
| Prime farmland if drained        | 8.0          | 0.70%          |
| Prime farmland if protected      | 1.9          | 0.17%          |
| Water                            | 1,112.1      | 97.13%         |
|                                  | 1,144.9      | 100.00%        |

1-15

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 21.7         | 0.54%          |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 29.4         | 0.73%          |
| Water                            | 3,989.9      | 98.73%         |
|                                  | 4,041.1      | 100.00%        |

1-16

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.7          | 0.02%          |
| Farmland of statewide importance | 0.9          | 0.03%          |
| Not prime farmland               | 19.0         | 0.58%          |
| Prime farmland if drained        | 16.9         | 0.51%          |
| Prime farmland if protected      | 5.8          | 0.18%          |
| Water                            | 3,237.6      | 98.68%         |
|                                  | 3,280.9      | 100.00%        |

1-17

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.1          | 0.01%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 3.5          | 0.33%          |
| Prime farmland if drained        | 3.2          | 0.30%          |
| Prime farmland if protected      | 0.3          | 0.03%          |
| Water                            | 1,036.1      | 99.33%         |
|                                  | 1,043.1      | 100.00%        |

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iv) **Farmland Type & Flooding Frequency in Farmed Lands: Reach 1 Tables**

1-1

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 103.0        | 14.64%         |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 522.3        | 74.23%         |
| Non-Agriculture, Non-Frequent Flooding | 24.2         | 3.44%          |
| Unknown, Frequent Flooding             | 0.6          | 0.08%          |
| Unknown, Non-Frequent Flooding         | 0.3          | 0.04%          |
| Water                                  | 53.3         | 7.57%          |
|  | 703.7        | 100.00%        |

1-2

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 1,632.1      | 42.04%         |
| Agriculture, Non-Frequent Flooding     | 8.3          | 0.21%          |
| Non-Agriculture, Frequent Flooding     | 2,078.4      | 53.54%         |
| Non-Agriculture, Non-Frequent Flooding | 7.2          | 0.19%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 156.2        | 4.02%          |
|  | 3,882.2      | 100.00%        |

1-3

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 213.6        | 31.32%         |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 434.4        | 63.70%         |
| Non-Agriculture, Non-Frequent Flooding | 16.0         | 2.34%          |
| Unknown, Frequent Flooding             | 1.3          | 0.20%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.01%          |
| Water                                  | 16.5         | 2.42%          |

682.0 100.00%

1-4

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 1,301.6      | 39.99%         |
| Agriculture, Non-Frequent Flooding     | 413.1        | 12.69%         |
| Non-Agriculture, Frequent Flooding     | 916.0        | 28.14%         |
| Non-Agriculture, Non-Frequent Flooding | 507.0        | 15.58%         |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 117.1        | 3.60%          |
|  | 3,254.8      | 100.00%        |

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1-5A

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 471.5        | 34.10%         |
| Agriculture, Non-Frequent Flooding     | 807.2        | 58.38%         |
| Non-Agriculture, Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Non-Frequent Flooding | 41.0         | 2.96%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 63.0         | 4.56%          |
|  | 1,382.7      | 100.00%        |

1-5B

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 1.3          | 0.05%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 964.0        | 41.62%         |
| Non-Agriculture, Non-Frequent Flooding | 0.0          | 0.00%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 1,350.8      | 58.32%         |
|  | 2,316.1      | 100.00%        |

1-5C

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 673.1        | 88.39%         |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 33.0         | 4.33%          |
| Non-Agriculture, Non-Frequent Flooding | 53.4         | 7.01%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 2.0          | 0.27%          |
|  | 761.6        | 100.00%        |

1-5D

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 872.5        | 43.30%         |
| Agriculture, Non-Frequent Flooding     | 34.5         | 1.71%          |
| Non-Agriculture, Frequent Flooding     | 577.0        | 28.63%         |
| Non-Agriculture, Non-Frequent Flooding | 377.8        | 18.75%         |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 153.2        | 7.60%          |
|  | 2,015.1      | 100.00%        |

1-6A

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 28.2         | 0.64%          |
| Agriculture, Non-Frequent Flooding     | 4,005.3      | 90.22%         |
| Non-Agriculture, Frequent Flooding     | 89.0         | 2.00%          |
| Non-Agriculture, Non-Frequent Flooding | 301.0        | 6.78%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 9.8          | 0.22%          |
| Water                                  | 6.1          | 0.14%          |
|  | 4,439.5      | 100.00%        |

1-6B

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 108.0        | 10.91%         |
| Agriculture, Non-Frequent Flooding     | 1.0          | 0.10%          |
| Non-Agriculture, Frequent Flooding     | 706.7        | 71.40%         |
| Non-Agriculture, Non-Frequent Flooding | 74.5         | 7.53%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 99.6         | 10.06%         |
|  | 989.8        | 100.00%        |

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1-7

|  | Acres | Percent |
|--|-------|---------|
| Agriculture, Frequent Flooding         | 0.0   | 0.00%   |
| Agriculture, Non-Frequent Flooding     | 36.1  | 4.53%   |
| Non-Agriculture, Frequent Flooding     | 0.0   | 0.00%   |
| Non-Agriculture, Non-Frequent Flooding | 614.9 | 77.09%  |
| Unknown, Frequent Flooding             | 0.0   | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0   | 0.00%   |
| Water                                  | 146.6 | 18.38%  |
|  | 797.7 | 100.00% |

1-8

|  | Acres    | Percent |
|--|----------|---------|
| Agriculture, Frequent Flooding         | 111.4    | 0.80%   |
| Agriculture, Non-Frequent Flooding     | 12,617.5 | 90.93%  |
| Non-Agriculture, Frequent Flooding     | 236.8    | 1.71%   |
| Non-Agriculture, Non-Frequent Flooding | 767.2    | 5.53%   |
| Unknown, Frequent Flooding             | 1.9      | 0.01%   |
| Unknown, Non-Frequent Flooding         | 7.4      | 0.05%   |
| Water                                  | 133.8    | 0.96%   |
|  | 13,876.1 | 100.00% |

1-9

|  | Acres    | Percent |
|--|----------|---------|
| Agriculture, Frequent Flooding         | 184.3    | 1.42%   |
| Agriculture, Non-Frequent Flooding     | 8,590.4  | 66.42%  |
| Non-Agriculture, Frequent Flooding     | 254.3    | 1.97%   |
| Non-Agriculture, Non-Frequent Flooding | 3,734.1  | 28.87%  |
| Unknown, Frequent Flooding             | 10.9     | 0.08%   |
| Unknown, Non-Frequent Flooding         | 27.5     | 0.21%   |
| Water                                  | 131.6    | 1.02%   |
|  | 12,933.0 | 100.00% |

1-10

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 0.0     | 0.00%   |
| Agriculture, Non-Frequent Flooding     | 0.0     | 0.00%   |
| Non-Agriculture, Frequent Flooding     | 1.5     | 0.04%   |
| Non-Agriculture, Non-Frequent Flooding | 3,204.1 | 85.90%  |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 515.9   | 13.83%  |
| Water                                  | 8.5     | 0.23%   |
|  | 3,730.0 | 100.00% |

1-11

|  | Acres    | Percent |
|--|----------|---------|
| Agriculture, Frequent Flooding         | 417.8    | 0.49%   |
| Agriculture, Non-Frequent Flooding     | 27,101.0 | 31.58%  |
| Non-Agriculture, Frequent Flooding     | 1,426.9  | 1.66%   |
| Non-Agriculture, Non-Frequent Flooding | 51,401.8 | 59.89%  |
| Unknown, Frequent Flooding             | 3.2      | 0.00%   |
| Unknown, Non-Frequent Flooding         | 48.8     | 0.06%   |
| Water                                  | 5,425.3  | 6.32%   |
|  | 85,824.8 | 100.00% |

1-12A

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 61.9    | 3.03%   |
| Agriculture, Non-Frequent Flooding     | 1,756.1 | 85.83%  |
| Non-Agriculture, Frequent Flooding     | 30.1    | 1.47%   |
| Non-Agriculture, Non-Frequent Flooding | 142.7   | 6.98%   |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 55.2    | 2.70%   |
|  | 2,046.0 | 100.00% |

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1-12B

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 9.1          | 0.92%          |
| Agriculture, Non-Frequent Flooding     | 925.9        | 94.35%         |
| Non-Agriculture, Frequent Flooding     | 7.0          | 0.71%          |
| Non-Agriculture, Non-Frequent Flooding | 36.4         | 3.71%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 3.0          | 0.30%          |
|  | 981.3        | 100.00%        |

1-12C

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 41.2         | 5.04%          |
| Agriculture, Non-Frequent Flooding     | 46.4         | 5.67%          |
| Non-Agriculture, Frequent Flooding     | 645.8        | 78.91%         |
| Non-Agriculture, Non-Frequent Flooding | 66.7         | 8.15%          |
| Unknown, Frequent Flooding             | 5.7          | 0.69%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 12.7         | 1.55%          |
|  | 818.5        | 100.00%        |

1-13

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.5          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 3,008.5      | 23.44%         |
| Non-Agriculture, Frequent Flooding     | 33.8         | 0.26%          |
| Non-Agriculture, Non-Frequent Flooding | 7,934.0      | 61.80%         |
| Unknown, Frequent Flooding             | 293.9        | 2.29%          |
| Unknown, Non-Frequent Flooding         | 1,244.5      | 9.69%          |
| Water                                  | 322.3        | 2.51%          |
|  | 12,837.3     | 100.00%        |

1-14

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.0          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 23.8         | 2.08%          |
| Non-Agriculture, Non-Frequent Flooding | 36.2         | 3.16%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 1,084.9      | 94.76%         |
|  | 1,144.9      | 100.00%        |

1-15

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.0          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 25.7         | 0.63%          |
| Non-Agriculture, Non-Frequent Flooding | 26.5         | 0.65%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 3,989.0      | 98.71%         |
|  | 4,041.1      | 100.00%        |

1-16

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.0          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 29.6         | 0.90%          |
| Non-Agriculture, Non-Frequent Flooding | 44.5         | 1.36%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 3,206.8      | 97.74%         |
|  | 3,280.9      | 100.00%        |

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1-17

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.0          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 0.7          | 0.06%          |
| Non-Agriculture, Non-Frequent Flooding | 12.9         | 1.24%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 1,029.5      | 98.70%         |
|  | 1,043.1      | 100.00%        |

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v) **Public Lands: Reach 1 Tables**

| Sub Area     | Acres           |
|--------------|-----------------|
| 1-1          | 5,965.7         |
| 1-2          | 0.0             |
| 1-3          | 27.0            |
| 1-4          | 0.0             |
| 1-5A         | 796.9           |
| 1-5B         | 1,160.6         |
| 1-5C         | 777.0           |
| 1-5D         | 397.2           |
| 1-6A         | 3,228.3         |
| 1-6B         | 971.0           |
| 1-7          | 516.6           |
| 1-8          | 0.0             |
| 1-9          | 0.0             |
| 1-10         | 0.0             |
| 1-11         | 5,965.7         |
| 1-12A        | 1,073.2         |
| 1-12B        | 0.0             |
| 1-12C        | 0.0             |
| 1-13         | 7.9             |
| 1-14         | 0.0             |
| 1-15         | 4.9             |
| 1-16         | 88.8            |
| 1-17         | 118.6           |
| <b>Total</b> | <b>21,099.3</b> |

vi) **Wetlands Reserve Program: Reach 1 Tables**

| Sub Area     | Acres        |
|--------------|--------------|
| 1-1          | 0.0          |
| 1-2          | 0.0          |
| 1-3          | 0.0          |
| 1-4          | 0.0          |
| 1-5A         | 0.0          |
| 1-5B         | 0.0          |
| 1-5C         | 0.0          |
| 1-5D         | 0.0          |
| 1-6A         | 0.0          |
| 1-6B         | 0.0          |
| 1-7          | 0.0          |
| 1-8          | 0.0          |
| 1-9          | 0.0          |
| 1-10         | 0.0          |
| 1-11         | 693.6        |
| 1-12A        | 0.0          |
| 1-12B        | 0.0          |
| 1-12C        | 0.0          |
| 1-13         | 0.0          |
| 1-14         | 0.0          |
| 1-15         | 0.0          |
| 1-16         | 0.0          |
| 1-17         | 0.0          |
| <b>Total</b> | <b>693.6</b> |

**B) Reach 2: American Bottom Ecoregion**

**Table 1: 2000 Land Cover**

| <b>Class</b> | <b>Acres</b>    | <b>Percent</b> |
|--------------|-----------------|----------------|
| Agriculture  | 60,877.7        | 64.94%         |
| Developed    | 1,539.3         | 1.64%          |
| Forest       | 12,645.6        | 13.49%         |
| Grass/Forbs  | 2,333.5         | 2.49%          |
| Marsh        | 2,417.3         | 2.58%          |
| Open Water   | 12,026.7        | 12.83%         |
| Sand/Mud     | 1,422.0         | 1.52%          |
| Unknown      | 483.0           | 0.52%          |
| <b>Total</b> | <b>93,745.0</b> | <b>100.00%</b> |

**Table 2: 1989 Land Cover**

| <b>Class</b> | <b>Acres</b>    | <b>Percent</b> |
|--------------|-----------------|----------------|
| Agriculture  | 67,180.2        | 71.47%         |
| Developed    | 555.7           | 0.59%          |
| Forest       | 9,932.4         | 10.57%         |
| Grass/Forbs  | 2,426.0         | 2.58%          |
| Marsh        | 212.0           | 0.23%          |
| Open Water   | 11,819.2        | 12.57%         |
| Sand/Mud     | 1,024.6         | 1.09%          |
| Unknown      | 844.6           | 0.90%          |
| <b>Total</b> | <b>93,994.7</b> | <b>100.00%</b> |

**Table 3: Farmland Type**

| <b>Type</b>                      | <b>Acres</b>    | <b>Percent</b> |
|----------------------------------|-----------------|----------------|
| All areas are prime farmland     | 23,902.7        | 25.50%         |
| Farmland of statewide importance | 311.9           | 0.33%          |
| Not prime farmland               | 36,127.7        | 38.54%         |
| Prime farmland if drained        | 8,642.1         | 9.22%          |
| Prime farmland if protected      | 11,842.2        | 12.63%         |
| Water                            | 12,918.3        | 13.78%         |
| <b>Total</b>                     | <b>93,744.9</b> | <b>100.00%</b> |

**Table 4: Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres           | Percent        |
|---|-----------------|----------------|
| All areas are prime farmland, Frequent flooding       | 0.0             | 0.00%          |
| All areas are prime farmland, No flooding             | 172.3           | 0.28%          |
| All areas are prime farmland, Occasional flooding     | 21,168.9        | 34.77%         |
| All areas are prime farmland, Rare flooding           | 724.3           | 1.19%          |
| Farmland of statewide importance, Frequent flooding   | 0.0             | 0.00%          |
| Farmland of statewide importance, No flooding         | 209.7           | 0.34%          |
| Farmland of statewide importance, Occasional flooding | 0.0             | 0.00%          |
| Farmland of statewide importance, Rare flooding       | 0.0             | 0.00%          |
| Not prime farmland, Frequent flooding                 | 997.6           | 1.64%          |
| Not prime farmland, No flooding                       | 102.7           | 0.17%          |
| Not prime farmland, Occasional flooding               | 25,677.1        | 42.18%         |
| Not prime farmland, Rare flooding                     | 0.0             | 0.00%          |
| Prime farmland if drained, Frequent flooding          | 405.3           | 0.67%          |
| Prime farmland if drained, No flooding                | 0.0             | 0.00%          |
| Prime farmland if drained, Occasional flooding        | 7,221.6         | 11.86%         |
| Prime farmland if drained, Rare flooding              | 0.0             | 0.00%          |
| Prime farmland if protected, Frequent flooding        | 4,172.3         | 6.85%          |
| Prime farmland if protected, No flooding              | 0.0             | 0.00%          |
| Prime farmland if protected, Occasional flooding      | 0.0             | 0.00%          |
| Prime farmland if protected, Rare flooding            | 0.0             | 0.00%          |
| Water   | 25.8            | 0.04%          |
| <b>Total</b>  | <b>60,877.7</b> | <b>100.00%</b> |

**Table 5: Prime Farmland vs. Not Prime Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres           | Percent        |
|---|-----------------|----------------|
| All areas are prime farmland, Frequent flooding     | 0.0             | 0.00%          |
| All areas are prime farmland, Non-Frequent flooding | 22,065.5        | 36.25%         |
| Not prime farmland, Frequent flooding               | 5,575.2         | 9.16%          |
| Not prime farmland, Non-Frequent flooding           | 33,211.2        | 54.55%         |
| Water   | 25.8            | 0.04%          |
| <b>Total</b>  | <b>60,877.7</b> | <b>100.00%</b> |

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**Table 6: Hydric Soils**

| Type             | Acres           | Percent        |
|------------------|-----------------|----------------|
| All hydric       | 40,975.1        | 43.71%         |
| Not hydric       | 12,553.7        | 13.39%         |
| Partially hydric | 27,297.9        | 29.12%         |
| Unknown          | 0.0             | 0.00%          |
| Water            | 12,918.3        | 13.78%         |
| <b>Total</b>     | <b>93,745.0</b> | <b>100.00%</b> |

**Table 7: Public Land**

|  | Acres   | Percent |
|--|---------|---------|
|  | 3,185.9 | 3.40%   |

**Table 8: Wetlands Reserve Program**

|  | Acres   | Percent |
|--|---------|---------|
|  | 2,875.9 | 3.07%   |

**Table 9: Presettlement Land Cover**

|                          | Acres           | Percent        |
|--------------------------|-----------------|----------------|
| BLH                      | 0.0             | 0.00%          |
| BLH Ridge                | 0.0             | 0.00%          |
| Bottomland Lake          | 6,401.3         | 6.81%          |
| Bottomland Prairie Ridge | 936.7           | 1.00%          |
| Bottomland Prairie Swale | 13,866.4        | 14.75%         |
| Bottomland Prairie Urban | 0.0             | 0.00%          |
| Floodplain Forest Ridge  | 4,820.3         | 5.13%          |
| Floodplain Forest Swale  | 18,759.7        | 19.96%         |
| Floodplain Forest Urban  | 0.0             | 0.00%          |
| Other                    | 9,023.3         | 9.60%          |
| Riverfront Forest        | 20,175.2        | 21.46%         |
| Slope Forest             | 3,588.4         | 3.82%          |
| Slope Savanna            | 4,084.8         | 4.35%          |
| Terrace Forest           | 0.0             | 0.00%          |
| Terrace Prairie          | 2,249.0         | 2.39%          |
| Water                    | 10,089.6        | 10.73%         |
|                          | <b>93,994.7</b> | <b>100.00%</b> |

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**Table 10: Land Use and Flooding Frequency**

|                               | <b>Acres</b> | <b>Percent</b> |
|-------------------------------|--------------|----------------|
| Agriculture, Frequent         | 5,575.2      | 5.95%          |
| Agriculture, Not Frequent     | 55,285.7     | 58.97%         |
| Non-Agriculture, Frequent     | 13,560.4     | 14.47%         |
| Non-Agriculture, Not Frequent | 5,841.0      | 6.23%          |
| Unknown, Frequent             | 18.9         | 0.02%          |
| Unknown, Not Frequent         | 464.0        | 0.49%          |
| Water                         | 12,999.7     | 13.87%         |
|                               | 93,744.9     | 100.00%        |

**Table 11: Remnant Vegetation Sub Area 1**

|                          | <b>Acres</b> | <b>Percent</b> |
|--------------------------|--------------|----------------|
| BLH                      | 0.0          | 0.00%          |
| BLH Ridge                | 0.0          | 0.00%          |
| Bottomland Lake          | 1,662.2      | 8.78%          |
| Bottomland Prairie Ridge | 185.4        | 0.98%          |
| Bottomland Prairie Swale | 1,581.6      | 8.35%          |
| Bottomland Prairie Urban | 0.0          | 0.00%          |
| Floodplain Forest Ridge  | 145.7        | 0.77%          |
| Floodplain Forest Swale  | 958.1        | 5.06%          |
| Floodplain Forest Urban  | 0.0          | 0.00%          |
| Other                    | 0.0          | 0.00%          |
| Riverfront Forest        | 13,786.3     | 72.78%         |
| Slope Forest             | 474.4        | 2.50%          |
| Slope Savanna            | 49.6         | 0.26%          |
| Terrace Forest           | 0.0          | 0.00%          |
| Terrace Mesic Prairie    | 98.1         | 0.52%          |
| <b>Total</b>             | 18,941.4     | 100.00%        |

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i) **2000 Land Cover: Reach 2 Tables**

2-1

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 440.5        | 11.65%         |
| Developed   | 55.0         | 1.45%          |
| Forest      | 2,337.4      | 61.80%         |
| Grass/Forbs | 153.7        | 4.06%          |
| Marsh       | 143.4        | 3.79%          |
| Open Water  | 388.9        | 10.28%         |
| Sand/Mud    | 262.7        | 6.95%          |
| Unknown     | 0.7          | 0.02%          |
|             | 3,782.3      | 100.00%        |

2-4

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 616.2        | 27.24%         |
| Developed   | 9.9          | 0.44%          |
| Forest      | 1,345.4      | 59.48%         |
| Grass/Forbs | 78.2         | 3.46%          |
| Marsh       | 40.9         | 1.81%          |
| Open Water  | 111.7        | 4.94%          |
| Sand/Mud    | 59.5         | 2.63%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,261.9      | 100.00%        |

2-2

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 628.5        | 41.88%         |
| Developed   | 69.8         | 4.65%          |
| Forest      | 599.8        | 39.96%         |
| Grass/Forbs | 76.7         | 5.11%          |
| Marsh       | 85.5         | 5.70%          |
| Open Water  | 14.1         | 0.94%          |
| Sand/Mud    | 26.4         | 1.76%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,500.9      | 100.00%        |

2-5

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 547.4        | 20.03%         |
| Developed   | 14.0         | 0.51%          |
| Forest      | 1,596.5      | 58.42%         |
| Grass/Forbs | 117.4        | 4.30%          |
| Marsh       | 89.1         | 3.26%          |
| Open Water  | 176.0        | 6.44%          |
| Sand/Mud    | 192.6        | 7.05%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,733.0      | 100.00%        |

2-3

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 937.2        | 50.04%         |
| Developed   | 2.0          | 0.11%          |
| Forest      | 571.2        | 30.50%         |
| Grass/Forbs | 10.8         | 0.58%          |
| Marsh       | 5.2          | 0.28%          |
| Open Water  | 191.0        | 10.20%         |
| Sand/Mud    | 152.6        | 8.15%          |
| Unknown     | 2.8          | 0.15%          |
|             | 1,872.9      | 100.00%        |

2-6

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 68.3         | 71.13%         |
| Developed   | 5.1          | 5.35%          |
| Forest      | 14.9         | 15.53%         |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 0.0          | 0.02%          |
| Sand/Mud    | 7.7          | 7.97%          |
| Unknown     | 0.0          | 0.00%          |
|             | 96.0         | 100.00%        |

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2-7

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 173.0        | 10.01%         |
| Developed   | 20.9         | 1.21%          |
| Forest      | 1,331.5      | 77.02%         |
| Grass/Forbs | 15.9         | 0.92%          |
| Marsh       | 148.0        | 8.56%          |
| Open Water  | 35.7         | 2.07%          |
| Sand/Mud    | 1.9          | 0.11%          |
| Unknown     | 1.8          | 0.10%          |
|             | 1,728.7      | 100.00%        |

2-10

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 862.8        | 49.49%         |
| Developed   | 1.8          | 0.10%          |
| Forest      | 676.9        | 38.83%         |
| Grass/Forbs | 81.3         | 4.67%          |
| Marsh       | 54.9         | 3.15%          |
| Open Water  | 33.3         | 1.91%          |
| Sand/Mud    | 32.3         | 1.86%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,743.3      | 100.00%        |

2-8

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 528.1        | 27.40%         |
| Developed   | 7.4          | 0.38%          |
| Forest      | 930.7        | 48.28%         |
| Grass/Forbs | 96.3         | 4.99%          |
| Marsh       | 96.5         | 5.01%          |
| Open Water  | 153.7        | 7.97%          |
| Sand/Mud    | 114.9        | 5.96%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,927.5      | 100.00%        |

2-11

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 390.0        | 22.47%         |
| Developed   | 3.6          | 0.21%          |
| Forest      | 1,091.2      | 62.86%         |
| Grass/Forbs | 65.4         | 3.77%          |
| Marsh       | 141.8        | 8.17%          |
| Open Water  | 25.2         | 1.45%          |
| Sand/Mud    | 18.7         | 1.08%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,735.9      | 100.00%        |

2-9

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 205.5        | 38.26%         |
| Developed   | 23.6         | 4.40%          |
| Forest      | 254.1        | 47.31%         |
| Grass/Forbs | 3.6          | 0.67%          |
| Marsh       | 1.9          | 0.36%          |
| Open Water  | 24.1         | 4.49%          |
| Sand/Mud    | 5.6          | 1.05%          |
| Unknown     | 18.7         | 3.48%          |
|             | 537.1        | 100.00%        |

2-12

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 14,480.1     | 90.26%         |
| Developed   | 272.5        | 1.70%          |
| Forest      | 598.4        | 3.73%          |
| Grass/Forbs | 458.5        | 2.86%          |
| Marsh       | 148.2        | 0.92%          |
| Open Water  | 36.0         | 0.22%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 48.6         | 0.30%          |
|             | 16,042.2     | 100.00%        |

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2-13

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 15,926.8     | 86.70%         |
| Developed   | 312.4        | 1.70%          |
| Forest      | 427.1        | 2.32%          |
| Grass/Forbs | 430.5        | 2.34%          |
| Marsh       | 973.6        | 5.30%          |
| Open Water  | 103.7        | 0.56%          |
| Sand/Mud    | 3.2          | 0.02%          |
| Unknown     | 193.1        | 1.05%          |
|             | 18,370.4     | 100.00%        |

2-16

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 7.3          | 0.46%          |
| Forest      | 4.8          | 0.30%          |
| Grass/Forbs | 4.2          | 0.26%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 1,507.5      | 94.72%         |
| Sand/Mud    | 67.8         | 4.26%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,591.6      | 100.00%        |

2-14

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 25,080.2     | 88.16%         |
| Developed   | 651.7        | 2.29%          |
| Forest      | 730.5        | 2.57%          |
| Grass/Forbs | 715.2        | 2.51%          |
| Marsh       | 484.6        | 1.70%          |
| Open Water  | 550.8        | 1.94%          |
| Sand/Mud    | 33.3         | 0.12%          |
| Unknown     | 203.4        | 0.72%          |
|             | 28,449.6     | 100.00%        |

2-17

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 10.9         | 0.88%          |
| Forest      | 2.2          | 0.17%          |
| Grass/Forbs | 25.2         | 2.04%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 1,145.5      | 92.81%         |
| Sand/Mud    | 50.0         | 4.05%          |
| Unknown     | 0.5          | 0.04%          |
|             | 1,234.2      | 100.00%        |

2-15

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 26.2         | 1.30%          |
| Forest      | 37.5         | 1.86%          |
| Grass/Forbs | 27.5         | 1.36%          |
| Marsh       | 0.8          | 0.04%          |
| Open Water  | 1,775.3      | 87.83%         |
| Sand/Mud    | 140.6        | 6.96%          |
| Unknown     | 13.4         | 0.66%          |
|             | 2,021.4      | 100.00%        |

2-18

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 19.5         | 0.77%          |
| Forest      | 43.8         | 1.73%          |
| Grass/Forbs | 1.3          | 0.05%          |
| Marsh       | 3.8          | 0.15%          |
| Open Water  | 2,332.4      | 92.12%         |
| Sand/Mud    | 131.0        | 5.18%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,531.9      | 100.00%        |

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2-19

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 8.4          | 0.52%          |
| Forest      | 30.0         | 1.87%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 1,500.8      | 93.66%         |
| Sand/Mud    | 63.3         | 3.95%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,602.5      | 100.00%        |

2-20

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 214.7        | 7.34%          |
| Developed   | 62.7         | 2.14%          |
| Forest      | 173.3        | 5.93%          |
| Grass/Forbs | 79.5         | 2.72%          |
| Marsh       | 103.2        | 3.53%          |
| Open Water  | 2,048.4      | 70.06%         |
| Sand/Mud    | 154.5        | 5.28%          |
| Unknown     | 87.4         | 2.99%          |
|             | 2,923.7      | 100.00%        |

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ii) 1989 Land Cover: Reach 2 Tables

2-1

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 784.7   | 20.78%  |
| Developed   | 28.7    | 0.76%   |
| Forest      | 1,823.5 | 48.29%  |
| Grass/Forbs | 288.7   | 7.65%   |
| Marsh       | 279.9   | 7.41%   |
| Open Water  | 306.7   | 8.12%   |
| Sand/Mud    | 185.6   | 4.91%   |
| Unknown     | 78.6    | 2.08%   |
|             | 3,776.4 | 100.00% |

2-4

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 723.6   | 31.81%  |
| Developed   | 12.1    | 0.53%   |
| Forest      | 1,164.0 | 51.18%  |
| Grass/Forbs | 173.2   | 7.61%   |
| Marsh       | 147.1   | 6.47%   |
| Open Water  | 43.9    | 1.93%   |
| Sand/Mud    | 10.6    | 0.46%   |
| Unknown     | 0.0     | 0.00%   |
|             | 2,274.3 | 100.00% |

2-2

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 811.8   | 53.99%  |
| Developed   | 31.7    | 2.11%   |
| Forest      | 469.7   | 31.24%  |
| Grass/Forbs | 120.4   | 8.01%   |
| Marsh       | 68.1    | 4.53%   |
| Open Water  | 1.6     | 0.11%   |
| Sand/Mud    | 0.3     | 0.02%   |
| Unknown     | 0.0     | 0.00%   |
|             | 1,503.7 | 100.00% |

2-5

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 682.8   | 24.92%  |
| Developed   | 11.1    | 0.41%   |
| Forest      | 1,488.1 | 54.31%  |
| Grass/Forbs | 201.6   | 7.36%   |
| Marsh       | 142.5   | 5.20%   |
| Open Water  | 71.4    | 2.61%   |
| Sand/Mud    | 142.4   | 5.20%   |
| Unknown     | 0.0     | 0.00%   |
|             | 2,739.9 | 100.00% |

2-3

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 848.7   | 45.24%  |
| Developed   | 4.8     | 0.25%   |
| Forest      | 457.2   | 24.37%  |
| Grass/Forbs | 0.0     | 0.00%   |
| Marsh       | 13.6    | 0.73%   |
| Open Water  | 363.8   | 19.40%  |
| Sand/Mud    | 187.7   | 10.00%  |
| Unknown     | 0.0     | 0.00%   |
|             | 1,875.9 | 100.00% |

2-6

|             | Acres | Percent |
|-------------|-------|---------|
| Agriculture | 0.0   | 0.00%   |
| Developed   | 18.9  | 19.62%  |
| Forest      | 10.8  | 11.26%  |
| Grass/Forbs | 0.0   | 0.00%   |
| Marsh       | 10.6  | 11.04%  |
| Open Water  | 55.9  | 58.08%  |
| Sand/Mud    | 0.0   | 0.00%   |
| Unknown     | 0.0   | 0.00%   |
|             | 96.3  | 100.00% |

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2-7

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 937.3        | 54.06%         |
| Developed   | 8.0          | 0.46%          |
| Forest      | 523.0        | 30.16%         |
| Grass/Forbs | 7.6          | 0.44%          |
| Marsh       | 30.4         | 1.75%          |
| Open Water  | 178.5        | 10.29%         |
| Sand/Mud    | 49.1         | 2.83%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,733.9      | 100.00%        |

2-10

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 865.7        | 49.75%         |
| Developed   | 2.6          | 0.15%          |
| Forest      | 713.9        | 41.03%         |
| Grass/Forbs | 72.9         | 4.19%          |
| Marsh       | 52.2         | 3.00%          |
| Open Water  | 12.1         | 0.70%          |
| Sand/Mud    | 20.7         | 1.19%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,740.1      | 100.00%        |

2-8

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 711.7        | 36.89%         |
| Developed   | 10.7         | 0.55%          |
| Forest      | 845.0        | 43.80%         |
| Grass/Forbs | 177.5        | 9.20%          |
| Marsh       | 80.6         | 4.18%          |
| Open Water  | 60.2         | 3.12%          |
| Sand/Mud    | 43.7         | 2.27%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,929.3      | 100.00%        |

2-11

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 920.5        | 54.16%         |
| Developed   | 8.9          | 0.52%          |
| Forest      | 561.5        | 33.03%         |
| Grass/Forbs | 108.8        | 6.40%          |
| Marsh       | 41.8         | 2.46%          |
| Open Water  | 17.4         | 1.02%          |
| Sand/Mud    | 40.9         | 2.41%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,699.7      | 100.00%        |

2-9

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 22.1         | 4.12%          |
| Developed   | 18.6         | 3.46%          |
| Forest      | 185.1        | 34.46%         |
| Grass/Forbs | 12.1         | 2.25%          |
| Marsh       | 5.7          | 1.07%          |
| Open Water  | 41.0         | 7.63%          |
| Sand/Mud    | 22.9         | 4.26%          |
| Unknown     | 229.6        | 42.75%         |
|             | 537.0        | 100.00%        |

2-12

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 10,263.6     | 63.97%         |
| Developed   | 81.5         | 0.51%          |
| Forest      | 479.4        | 2.99%          |
| Grass/Forbs | 361.2        | 2.25%          |
| Marsh       | 169.0        | 1.05%          |
| Open Water  | 22.5         | 0.14%          |
| Sand/Mud    | 7.3          | 0.05%          |
| Unknown     | 4,658.7      | 29.04%         |
|             | 16,043.2     | 100.00%        |

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2-13

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 12,884.8     | 70.13%         |
| Developed   | 191.1        | 1.04%          |
| Forest      | 441.4        | 2.40%          |
| Grass/Forbs | 364.7        | 1.98%          |
| Marsh       | 416.3        | 2.27%          |
| Open Water  | 28.8         | 0.16%          |
| Sand/Mud    | 26.5         | 0.14%          |
| Unknown     | 4,018.6      | 21.87%         |
|             | 18,372.2     | 100.00%        |

2-16

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 5.5          | 0.34%          |
| Forest      | 18.7         | 1.17%          |
| Grass/Forbs | 7.4          | 0.47%          |
| Marsh       | 2.7          | 0.17%          |
| Open Water  | 1,454.5      | 91.17%         |
| Sand/Mud    | 103.2        | 6.47%          |
| Unknown     | 3.4          | 0.21%          |
|             | 1,595.4      | 100.00%        |

2-14

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 20,607.6     | 72.42%         |
| Developed   | 506.3        | 1.78%          |
| Forest      | 708.1        | 2.49%          |
| Grass/Forbs | 698.5        | 2.45%          |
| Marsh       | 219.4        | 0.77%          |
| Open Water  | 319.5        | 1.12%          |
| Sand/Mud    | 23.0         | 0.08%          |
| Unknown     | 5,374.3      | 18.89%         |
|             | 28,456.7     | 100.00%        |

2-17

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 6.4          | 0.52%          |
| Forest      | 126.0        | 10.25%         |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 19.5         | 1.59%          |
| Open Water  | 996.4        | 81.04%         |
| Sand/Mud    | 81.2         | 6.60%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,229.4      | 100.00%        |

2-15

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1.1          | 0.05%          |
| Developed   | 71.8         | 3.56%          |
| Forest      | 182.8        | 9.07%          |
| Grass/Forbs | 38.5         | 1.91%          |
| Marsh       | 4.2          | 0.21%          |
| Open Water  | 1,591.9      | 79.02%         |
| Sand/Mud    | 67.0         | 3.32%          |
| Unknown     | 57.5         | 2.86%          |
|             | 2,014.7      | 100.00%        |

2-18

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 18.8         | 0.75%          |
| Developed   | 19.7         | 0.78%          |
| Forest      | 390.0        | 15.55%         |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 48.7         | 1.94%          |
| Open Water  | 1,862.6      | 74.25%         |
| Sand/Mud    | 168.7        | 6.73%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,508.4      | 100.00%        |

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2-19

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 22.7         | 1.43%          |
| Developed   | 12.6         | 0.79%          |
| Forest      | 296.3        | 18.57%         |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 44.4         | 2.78%          |
| Open Water  | 1,106.1      | 69.32%         |
| Sand/Mud    | 113.5        | 7.11%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,595.6      | 100.00%        |

2-20

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 87.1         | 3.84%          |
| Developed   | 43.0         | 1.89%          |
| Forest      | 350.8        | 15.44%         |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 13.7         | 0.60%          |
| Open Water  | 1,559.2      | 68.65%         |
| Sand/Mud    | 217.5        | 9.58%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,271.3      | 100.00%        |

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iii) **Farmland Type: Reach 2 Tables**

2-1

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 4.1          | 0.11%          |
| Not prime farmland               | 1,426.9      | 38.15%         |
| Prime farmland if drained        | 149.2        | 3.99%          |
| Prime farmland if protected      | 1,678.5      | 44.87%         |
| Water                            | 481.8        | 12.88%         |
|                                  | 3,740.6      | 100.00%        |

2-2

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 174.8        | 11.70%         |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 278.6        | 18.66%         |
| Prime farmland if drained        | 72.7         | 4.87%          |
| Prime farmland if protected      | 927.4        | 62.11%         |
| Water                            | 39.8         | 2.66%          |
|                                  | 1,493.1      | 100.00%        |

2-3

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 90.4         | 4.84%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 8.8          | 0.47%          |
| Prime farmland if drained        | 266.0        | 14.25%         |
| Prime farmland if protected      | 1,136.2      | 60.86%         |
| Water                            | 365.7        | 19.59%         |
|                                  | 1,867.1      | 100.00%        |

2-4

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.4          | 0.02%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 848.4        | 37.62%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 1,264.8      | 56.08%         |
| Water                            | 141.7        | 6.28%          |
|                                  | 2,255.3      | 100.00%        |

2-5

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 751.4        | 27.55%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 1,616.7      | 59.27%         |
| Water                            | 359.6        | 13.19%         |
|                                  | 2,727.7      | 100.00%        |

2-6

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 32.3         | 33.73%         |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 0.0          | 0.00%          |
| Prime farmland if drained        | 54.2         | 56.65%         |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 9.2          | 9.62%          |
|                                  | 95.6         | 100.00%        |

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2-7

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 1.9     | 0.11%   |
| Prime farmland if drained        | 186.5   | 10.81%  |
| Prime farmland if protected      | 1,516.3 | 87.86%  |
| Water                            | 21.2    | 1.23%   |
|                                  | 1,725.9 | 100.00% |

2-8

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 656.1   | 34.24%  |
| Prime farmland if drained        | 0.0     | 0.00%   |
| Prime farmland if protected      | 1,084.1 | 56.58%  |
| Water                            | 176.0   | 9.18%   |
|                                  | 1,916.1 | 100.00% |

2-9

|                                  | Acres | Percent |
|----------------------------------|-------|---------|
| All areas are prime farmland     | 0.0   | 0.00%   |
| Farmland of statewide importance | 0.0   | 0.00%   |
| Not prime farmland               | 7.8   | 1.46%   |
| Prime farmland if drained        | 250.8 | 47.25%  |
| Prime farmland if protected      | 266.9 | 50.27%  |
| Water                            | 5.4   | 1.02%   |
|                                  | 530.9 | 100.00% |

2-10

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 718.5   | 41.37%  |
| Prime farmland if drained        | 0.0     | 0.00%   |
| Prime farmland if protected      | 974.6   | 56.12%  |
| Water                            | 43.4    | 2.50%   |
|                                  | 1,736.6 | 100.00% |

2-11

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 2.5     | 0.15%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 453.8   | 26.68%  |
| Prime farmland if drained        | 2.0     | 0.12%   |
| Prime farmland if protected      | 1,227.7 | 72.17%  |
| Water                            | 15.1    | 0.89%   |
|                                  | 1,701.2 | 100.00% |

2-12

|                                  | Acres    | Percent |
|----------------------------------|----------|---------|
| All areas are prime farmland     | 5,887.0  | 36.74%  |
| Farmland of statewide importance | 145.6    | 0.91%   |
| Not prime farmland               | 9,777.3  | 61.02%  |
| Prime farmland if drained        | 165.1    | 1.03%   |
| Prime farmland if protected      | 0.0      | 0.00%   |
| Water                            | 49.0     | 0.31%   |
|                                  | 16,023.9 | 100.00% |

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2-13

|                                  | Acres    | Percent |
|----------------------------------|----------|---------|
| All areas are prime farmland     | 5,021.3  | 27.35%  |
| Farmland of statewide importance | 43.4     | 0.24%   |
| Not prime farmland               | 10,634.1 | 57.92%  |
| Prime farmland if drained        | 2,618.0  | 14.26%  |
| Prime farmland if protected      | 25.3     | 0.14%   |
| Water                            | 18.1     | 0.10%   |
|                                  | 18,360.2 | 100.00% |

2-14

|                                  | Acres    | Percent |
|----------------------------------|----------|---------|
| All areas are prime farmland     | 12,683.4 | 44.60%  |
| Farmland of statewide importance | 110.7    | 0.39%   |
| Not prime farmland               | 10,340.4 | 36.36%  |
| Prime farmland if drained        | 4,835.5  | 17.01%  |
| Prime farmland if protected      | 1.6      | 0.01%   |
| Water                            | 463.7    | 1.63%   |
|                                  | 28,435.3 | 100.00% |

2-15

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 2.6     | 0.13%   |
| Farmland of statewide importance | 8.0     | 0.40%   |
| Not prime farmland               | 50.1    | 2.53%   |
| Prime farmland if drained        | 39.8    | 2.02%   |
| Prime farmland if protected      | 9.1     | 0.46%   |
| Water                            | 1,866.3 | 94.46%  |
|                                  | 1,975.8 | 100.00% |

2-16

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 15.8    | 1.00%   |
| Prime farmland if drained        | 0.0     | 0.00%   |
| Prime farmland if protected      | 1.0     | 0.06%   |
| Water                            | 1,574.7 | 98.94%  |
|                                  | 1,591.5 | 100.00% |

2-17

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 12.9    | 1.05%   |
| Prime farmland if drained        | 0.6     | 0.05%   |
| Prime farmland if protected      | 4.2     | 0.34%   |
| Water                            | 1,214.0 | 98.56%  |
|                                  | 1,231.7 | 100.00% |

2-18

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 1.8     | 0.07%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 8.8     | 0.35%   |
| Prime farmland if drained        | 1.7     | 0.07%   |
| Prime farmland if protected      | 31.8    | 1.27%   |
| Water                            | 2,448.2 | 98.23%  |
|                                  | 2,492.3 | 100.00% |

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2-19

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 6.4          | 0.40%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 8.4          | 0.53%          |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 11.0         | 0.69%          |
| Water                            | 1,569.0      | 98.38%         |
|                                  | 1,594.9      | 100.00%        |

2-20

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.1          | 0.01%          |
| Not prime farmland               | 127.8        | 5.68%          |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 65.0         | 2.89%          |
| Water                            | 2,056.3      | 91.42%         |
|                                  | 2,249.2      | 100.00%        |

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iv) **Farmland Type & Flooding Frequency in Farmed Lands: Reach 2 Tables**

2-1

|  | <b>Acres</b>   | <b>Percent</b> |
|--|----------------|----------------|
| Agriculture, Frequent Flooding         | 440.4          | 11.77%         |
| Agriculture, Non-Frequent Flooding     | 0.0            | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 2,524.3        | 67.48%         |
| Non-Agriculture, Non-Frequent Flooding | 244.9          | 6.55%          |
| Unknown, Frequent Flooding             | 0.2            | 0.01%          |
| Unknown, Non-Frequent Flooding         | 0.5            | 0.01%          |
| Water                                  | 530.3          | 14.18%         |
|  | <b>3,740.6</b> | <b>100.00%</b> |

2-2

|  | <b>Acres</b>   | <b>Percent</b> |
|--|----------------|----------------|
| Agriculture, Frequent Flooding         | 586.6          | 39.29%         |
| Agriculture, Non-Frequent Flooding     | 42.0           | 2.81%          |
| Non-Agriculture, Frequent Flooding     | 641.9          | 42.99%         |
| Non-Agriculture, Non-Frequent Flooding | 191.6          | 12.83%         |
| Unknown, Frequent Flooding             | 0.0            | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0            | 0.00%          |
| Water                                  | 31.0           | 2.08%          |
|  | <b>1,493.1</b> | <b>100.00%</b> |

2-3

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 731.6        | 39.18%         |
| Agriculture, Non-Frequent Flooding     | 205.7        | 11.02%         |
| Non-Agriculture, Frequent Flooding     | 443.2        | 23.74%         |
| Non-Agriculture, Non-Frequent Flooding | 292.9        | 15.69%         |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 2.8          | 0.15%          |
| Water                                  | 190.9        | 10.22%         |

1,867.1 100.00%

2-4

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 609.7        | 27.03%         |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 1,453.4      | 64.44%         |
| Non-Agriculture, Non-Frequent Flooding | 2.6          | 0.11%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 189.6        | 8.41%          |

2,255.3 100.00%

2-5

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 547.4        | 20.07%         |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 1,783.3      | 65.38%         |
| Non-Agriculture, Non-Frequent Flooding | 0.0          | 0.00%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 397.0        | 14.55%         |

2,727.7 100.00%

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2-6

|  | Acres | Percent |
|--|-------|---------|
| Agriculture, Frequent Flooding         | 35.4  | 36.97%  |
| Agriculture, Non-Frequent Flooding     | 32.9  | 34.44%  |
| Non-Agriculture, Frequent Flooding     | 18.8  | 19.66%  |
| Non-Agriculture, Non-Frequent Flooding | 8.5   | 8.91%   |
| Unknown, Frequent Flooding             | 0.0   | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0   | 0.00%   |
| Water                                  | 0.0   | 0.02%   |
|  | 95.6  | 100.00% |

2-7

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 173.0   | 10.02%  |
| Agriculture, Non-Frequent Flooding     | 0.0     | 0.00%   |
| Non-Agriculture, Frequent Flooding     | 1,507.5 | 87.34%  |
| Non-Agriculture, Non-Frequent Flooding | 8.1     | 0.47%   |
| Unknown, Frequent Flooding             | 0.2     | 0.01%   |
| Unknown, Non-Frequent Flooding         | 1.6     | 0.09%   |
| Water                                  | 35.6    | 2.06%   |
|  | 1,725.9 | 100.00% |

2-8

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 528.1   | 27.56%  |
| Agriculture, Non-Frequent Flooding     | 0.0     | 0.00%   |
| Non-Agriculture, Frequent Flooding     | 1,171.3 | 61.13%  |
| Non-Agriculture, Non-Frequent Flooding | 0.0     | 0.00%   |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 216.7   | 11.31%  |
|  | 1,916.1 | 100.00% |

2-9

|  | Acres | Percent |
|--|-------|---------|
| Agriculture, Frequent Flooding         | 205.5 | 38.71%  |
| Agriculture, Non-Frequent Flooding     | 0.0   | 0.00%   |
| Non-Agriculture, Frequent Flooding     | 279.1 | 52.57%  |
| Non-Agriculture, Non-Frequent Flooding | 5.3   | 1.00%   |
| Unknown, Frequent Flooding             | 13.6  | 2.56%   |
| Unknown, Non-Frequent Flooding         | 5.1   | 0.96%   |
| Water                                  | 22.3  | 4.20%   |
|  | 530.9 | 100.00% |

2-10

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 862.7   | 49.68%  |
| Agriculture, Non-Frequent Flooding     | 0.0     | 0.00%   |
| Non-Agriculture, Frequent Flooding     | 820.0   | 47.22%  |
| Non-Agriculture, Non-Frequent Flooding | 0.0     | 0.00%   |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 53.8    | 3.10%   |
|  | 1,736.6 | 100.00% |

2-11

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 386.9   | 22.74%  |
| Agriculture, Non-Frequent Flooding     | 3.1     | 0.18%   |
| Non-Agriculture, Frequent Flooding     | 1,287.1 | 75.66%  |
| Non-Agriculture, Non-Frequent Flooding | 1.4     | 0.08%   |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 22.7    | 1.34%   |
|  | 1,701.2 | 100.00% |

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2-12

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 157.7        | 0.98%          |
| Agriculture, Non-Frequent Flooding     | 14,319.4     | 89.36%         |
| Non-Agriculture, Frequent Flooding     | 314.7        | 1.96%          |
| Non-Agriculture, Non-Frequent Flooding | 1,118.4      | 6.98%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 48.4         | 0.30%          |
| Water                                  | 65.3         | 0.41%          |
|  | 16,024.0     | 100.00%        |

2-13

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 233.9        | 1.27%          |
| Agriculture, Non-Frequent Flooding     | 15,687.2     | 85.44%         |
| Non-Agriculture, Frequent Flooding     | 457.4        | 2.49%          |
| Non-Agriculture, Non-Frequent Flooding | 1,669.3      | 9.09%          |
| Unknown, Frequent Flooding             | 1.6          | 0.01%          |
| Unknown, Non-Frequent Flooding         | 191.5        | 1.04%          |
| Water                                  | 119.4        | 0.65%          |
|  | 18,360.2     | 100.00%        |

2-14

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 76.3         | 0.27%          |
| Agriculture, Non-Frequent Flooding     | 24,995.5     | 87.90%         |
| Non-Agriculture, Frequent Flooding     | 556.8        | 1.96%          |
| Non-Agriculture, Non-Frequent Flooding | 1,987.3      | 6.99%          |
| Unknown, Frequent Flooding             | 0.5          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 202.9        | 0.71%          |
| Water                                  | 616.0        | 2.17%          |
|  | 28,435.4     | 100.00%        |

2-15

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.0          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 67.7         | 3.43%          |
| Non-Agriculture, Non-Frequent Flooding | 57.4         | 2.91%          |
| Unknown, Frequent Flooding             | 2.7          | 0.14%          |
| Unknown, Non-Frequent Flooding         | 10.6         | 0.54%          |
| Water                                  | 1,837.3      | 92.99%         |
|  | 1,975.8      | 100.00%        |

2-16

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.0          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 9.2          | 0.58%          |
| Non-Agriculture, Non-Frequent Flooding | 9.7          | 0.61%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 1,572.6      | 98.81%         |
|  | 1,591.5      | 100.00%        |

2-17

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.0          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 6.8          | 0.55%          |
| Non-Agriculture, Non-Frequent Flooding | 37.4         | 3.04%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.5          | 0.04%          |
| Water                                  | 1,186.9      | 96.37%         |
|  | 1,231.7      | 100.00%        |

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2-18

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.0          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 41.0         | 1.65%          |
| Non-Agriculture, Non-Frequent Flooding | 65.7         | 2.64%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 2,385.5      | 95.72%         |
|  | 2,492.3      | 100.00%        |

2-19

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.0          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 15.1         | 0.95%          |
| Non-Agriculture, Non-Frequent Flooding | 72.1         | 4.52%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 1,507.7      | 94.53%         |
|  | 1,594.9      | 100.00%        |

2-20

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.1          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 161.8        | 7.20%          |
| Non-Agriculture, Non-Frequent Flooding | 68.2         | 3.03%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.1          | 0.00%          |
| Water                                  | 2,019.1      | 89.77%         |
|  | 2,249.2      | 100.00%        |

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v) **Public Lands: Reach 2 Tables**

vi) **Wetlands Reserve Program: Reach 2 Table**

| Sub Area     | Acres          |
|--------------|----------------|
| 2-1          | 1,275.5        |
| 2-2          | 0.0            |
| 2-3          | 9.0            |
| 2-4          | 0.0            |
| 2-5          | 0.0            |
| 2-6          | 0.0            |
| 2-7          | 1,230.6        |
| 2-8          | 0.0            |
| 2-9          | 0.0            |
| 2-10         | 0.0            |
| 2-11         | 79.1           |
| 2-12         | 7.1            |
| 2-13         | 483.8          |
| 2-14         | 0.1            |
| 2-15         | 23.2           |
| 2-16         | 0.0            |
| 2-17         | 0.0            |
| 2-18         | 77.4           |
| 2-19         | 0.0            |
| 2-20         | 0.0            |
| <b>Total</b> | <b>3,185.9</b> |

| Sub Area     | Acres          |
|--------------|----------------|
| 2-1          | 513.7          |
| 2-2          | 0.0            |
| 2-3          | 0.0            |
| 2-4          | 0.0            |
| 2-5          | 0.0            |
| 2-6          | 0.0            |
| 2-7          | 122.9          |
| 2-8          | 0.0            |
| 2-9          | 0.0            |
| 2-10         | 0.0            |
| 2-11         | 1,097.4        |
| 2-12         | 0.0            |
| 2-13         | 612.1          |
| 2-14         | 467.6          |
| 2-15         | 0.0            |
| 2-16         | 62.1           |
| 2-17         | 0.0            |
| 2-18         | 0.0            |
| 2-19         | 0.0            |
| 2-20         | 0.0            |
| <b>Total</b> | <b>2,875.9</b> |

**II) Kaskaskia to Thebes Ecoregion**

**Table 1: 2000 Land Cover**

| Class        | Acres            | Percent        |
|--------------|------------------|----------------|
| Agriculture  | 129,494.3        | 58.99%         |
| Developed    | 3,709.7          | 1.69%          |
| Forest       | 41,818.4         | 19.05%         |
| Grass/Forbs  | 6,020.2          | 2.74%          |
| Marsh        | 9,910.3          | 4.51%          |
| Open Water   | 23,830.8         | 10.86%         |
| Sand/Mud     | 2,705.6          | 1.23%          |
| Unknown      | 2,012.7          | 0.92%          |
| <b>Total</b> | <b>219,502.0</b> | <b>100.00%</b> |

**Table 2: 1989 Land Cover**

| Class        | Acres            | Percent        |
|--------------|------------------|----------------|
| Agriculture  | 150,621.3        | 68.37%         |
| Developed    | 1,316.8          | 0.60%          |
| Forest       | 35,997.9         | 16.34%         |
| Grass/Forbs  | 5,238.4          | 2.38%          |
| Marsh        | 794.6            | 0.36%          |
| Open Water   | 23,617.5         | 10.72%         |
| Sand/Mud     | 987.2            | 0.45%          |
| Unknown      | 1,727.4          | 0.78%          |
| <b>Total</b> | <b>220,301.2</b> | <b>100.00%</b> |

**Table 3: Farmland Type**

| Type                             | Acres            | Percent        |
|----------------------------------|------------------|----------------|
| All areas are prime farmland     | 53,249.0         | 24.20%         |
| Farmland of statewide importance | 23,847.6         | 10.84%         |
| Not prime farmland               | 49,074.6         | 22.30%         |
| Prime farmland if drained        | 56,929.0         | 25.87%         |
| Prime farmland if protected      | 12,001.6         | 5.45%          |
| Water                            | 24,931.7         | 11.33%         |
| <b>Total</b>                     | <b>220,033.5</b> | <b>100.00%</b> |

**Table 4: Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres     | Percent |
|---|-----------|---------|
| All areas are prime farmland, Frequent flooding       | 7,252.1   | 5.60%   |
| All areas are prime farmland, No flooding             | 600.8     | 0.46%   |
| All areas are prime farmland, Occasional flooding     | 38,507.2  | 29.74%  |
| All areas are prime farmland, Rare flooding           | 1,337.2   | 1.03%   |
| Farmland of statewide importance, Frequent flooding   | 154.2     | 0.12%   |
| Farmland of statewide importance, No flooding         | 118.4     | 0.09%   |
| Farmland of statewide importance, Occasional flooding | 11,114.5  | 8.58%   |
| Farmland of statewide importance, Rare flooding       | 1,838.4   | 1.42%   |
| Not prime farmland, Frequent flooding                 | 9,026.2   | 6.97%   |
| Not prime farmland, No flooding                       | 626.2     | 0.48%   |
| Not prime farmland, Occasional flooding               | 5,664.1   | 4.37%   |
| Not prime farmland, Rare flooding                     | 0.2       | 0.00%   |
| Prime farmland if drained, Frequent flooding          | 2,735.1   | 2.11%   |
| Prime farmland if drained, No flooding                | 9.3       | 0.01%   |
| Prime farmland if drained, Occasional flooding        | 42,382.7  | 32.73%  |
| Prime farmland if drained, Rare flooding              | 1,244.6   | 0.96%   |
| Prime farmland if protected, Frequent flooding        | 6,651.0   | 5.14%   |
| Prime farmland if protected, No flooding              | 0.0       | 0.00%   |
| Prime farmland if protected, Occasional flooding      | 0.0       | 0.00%   |
| Prime farmland if protected, Rare flooding            | 0.0       | 0.00%   |
| Water   | 231.9     | 0.18%   |
| <b>Total</b>  | 129,494.0 | 100.00% |

**Table 5: Prime Farmland vs. Not Prime Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres     | Percent |
|---|-----------|---------|
| All areas are prime farmland, Frequent flooding     | 7,252.1   | 5.60%   |
| All areas are prime farmland, Non-Frequent flooding | 40,445.2  | 31.23%  |
| Not prime farmland, Frequent flooding               | 18,566.5  | 14.34%  |
| Not prime farmland, Non-Frequent flooding           | 62,998.3  | 48.65%  |
| Water   | 231.9     | 0.18%   |
| <b>Total</b>  | 129,494.0 | 100.00% |

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**Table 6: Hydric Soils**

| Type             | Acres     | Percent |
|------------------|-----------|---------|
| All hydric       | 114,259.4 | 51.93%  |
| Not hydric       | 39,345.7  | 17.88%  |
| Partially hydric | 38,523.8  | 17.51%  |
| Unknown          | 2,713.2   | 1.23%   |
| Water            | 25,191.4  | 11.45%  |
| <b>Total</b>     | 220,033.5 | 100.00% |

**Table 7: Public Land**

|  | Acres    | Percent |
|--|----------|---------|
|  | 32,958.7 | 14.98%  |

**Table 8: Wetlands Reserve Program**

|  | Acres    | Percent |
|--|----------|---------|
|  | 13,604.8 | 6.18%   |

**Table 9: Presettlement Land Cover**

|                          | Acres     | Percent |
|--------------------------|-----------|---------|
| BLH                      | 15,067.5  | 6.84%   |
| BLH Ridge                | 2,368.8   | 1.08%   |
| Bottomland Lake          | 16,023.7  | 7.27%   |
| Bottomland Prairie Ridge | 3,936.2   | 1.79%   |
| Bottomland Prairie Swale | 515.6     | 0.23%   |
| Bottomland Prairie Urban | 0.0       | 0.00%   |
| Floodplain Forest Ridge  | 31,419.0  | 14.26%  |
| Floodplain Forest Swale  | 73,099.6  | 33.18%  |
| Floodplain Forest Urban  | 0.0       | 0.00%   |
| Other                    | 18,088.7  | 8.21%   |
| Riverfront Forest        | 46,354.1  | 21.04%  |
| Slope Forest             | 4,929.5   | 2.24%   |
| Slope Savanna            | 0.0       | 0.00%   |
| Terrace Forest           | 0.0       | 0.00%   |
| Terrace Prairie          | 0.0       | 0.00%   |
| Water                    | 8,498.5   | 3.86%   |
| <b>Total</b>             | 220,301.2 | 100.00% |

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**Table 10: Land Use and Flooding Frequency**

|                               | <b>Acres</b>     | <b>Percent</b> |
|-------------------------------|------------------|----------------|
| Agriculture, Frequent         | 25,818.6         | 11.74%         |
| Agriculture, Not Frequent     | 103,448.2        | 47.03%         |
| Non-Agriculture, Frequent     | 34,714.6         | 15.78%         |
| Non-Agriculture, Not Frequent | 27,458.7         | 12.48%         |
| Unknown, Frequent             | 669.1            | 0.30%          |
| Unknown, Not Frequent         | 1,342.0          | 0.61%          |
| Water                         | 26,499.1         | 12.05%         |
| <b>Total</b>                  | <b>219,950.3</b> | <b>100.00%</b> |

**Table 11: Remnant Vegetation Sub Areas 3 and 4 combined**

|                          | <b>Acres</b>    | <b>Percent</b> |
|--------------------------|-----------------|----------------|
| BLH                      | 10,630.0        | 16.32%         |
| BLH Ridge                | 330.2           | 0.51%          |
| Bottomland Lake          | 3,497.4         | 5.37%          |
| Bottomland Prairie Ridge | 66.6            | 0.10%          |
| Bottomland Prairie Swale | 79.3            | 0.12%          |
| Bottomland Prairie Urban | 0.0             | 0.00%          |
| Floodplain Forest Ridge  | 8,112.4         | 12.45%         |
| Floodplain Forest Swale  | 16,342.5        | 25.09%         |
| Floodplain Forest Urban  | 0.0             | 0.00%          |
| Other                    | 960.0           | 1.47%          |
| Riverfront Forest        | 23,455.8        | 36.00%         |
| Slope Forest             | 1,673.9         | 2.57%          |
| Slope Savanna            | 0.0             | 0.00%          |
| Terrace Forest           | 0.0             | 0.00%          |
| Terrace Mesic Prairie    | 0.0             | 0.00%          |
| <b>Total</b>             | <b>65,147.9</b> | <b>100.00%</b> |

C) **Reach 3: Kaskaskia to Thebes Ecoregion**

**Table 1: 2000 Land Cover**

| Class        | Acres            | Percent        |
|--------------|------------------|----------------|
| Agriculture  | 81,015.1         | 70.24%         |
| Developed    | 1,845.4          | 1.60%          |
| Forest       | 14,278.1         | 12.38%         |
| Grass/Forbs  | 3,159.9          | 2.74%          |
| Marsh        | 1,920.7          | 1.67%          |
| Open Water   | 10,479.9         | 9.09%          |
| Sand/Mud     | 1,648.2          | 1.43%          |
| Unknown      | 995.5            | 0.86%          |
| <b>Total</b> | <b>115,342.7</b> | <b>100.00%</b> |

**Table 2: 1989 Land Cover**

| Class        | Acres            | Percent        |
|--------------|------------------|----------------|
| Agriculture  | 90,489.5         | 77.97%         |
| Developed    | 515.1            | 0.44%          |
| Forest       | 10,575.5         | 9.11%          |
| Grass/Forbs  | 2,340.7          | 2.02%          |
| Marsh        | 19.5             | 0.02%          |
| Open Water   | 11,177.1         | 9.63%          |
| Sand/Mud     | 358.5            | 0.31%          |
| Unknown      | 578.8            | 0.50%          |
| <b>Total</b> | <b>116,054.7</b> | <b>100.00%</b> |

**Table 3: Farmland Type**

| Type                             | Acres            | Percent        |
|----------------------------------|------------------|----------------|
| All areas are prime farmland     | 29,604.0         | 25.55%         |
| Farmland of statewide importance | 7,160.9          | 6.18%          |
| Not prime farmland               | 24,327.5         | 20.99%         |
| Prime farmland if drained        | 33,614.0         | 29.01%         |
| Prime farmland if protected      | 9,565.2          | 8.25%          |
| Water                            | 11,604.4         | 10.01%         |
| <b>Total</b>                     | <b>115,875.9</b> | <b>100.00%</b> |

**Table 4: Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres           | Percent        |
|---|-----------------|----------------|
| All areas are prime farmland, Frequent flooding       | 3,097.3         | 3.82%          |
| All areas are prime farmland, No flooding             | 475.4           | 0.59%          |
| All areas are prime farmland, Occasional flooding     | 23,976.5        | 29.60%         |
| All areas are prime farmland, Rare flooding           | 557.7           | 0.69%          |
| Farmland of statewide importance, Frequent flooding   | 0.0             | 0.00%          |
| Farmland of statewide importance, No flooding         | 15.7            | 0.02%          |
| Farmland of statewide importance, Occasional flooding | 4,599.0         | 5.68%          |
| Farmland of statewide importance, Rare flooding       | 1,365.5         | 1.69%          |
| Not prime farmland, Frequent flooding                 | 4,540.7         | 5.60%          |
| Not prime farmland, No flooding                       | 460.6           | 0.57%          |
| Not prime farmland, Occasional flooding               | 5,664.1         | 6.99%          |
| Not prime farmland, Rare flooding                     | 0.2             | 0.00%          |
| Prime farmland if drained, Frequent flooding          | 1,336.5         | 1.65%          |
| Prime farmland if drained, No flooding                | 0.0             | 0.00%          |
| Prime farmland if drained, Occasional flooding        | 28,757.2        | 35.50%         |
| Prime farmland if drained, Rare flooding              | 166.5           | 0.21%          |
| Prime farmland if protected, Frequent flooding        | 5,915.6         | 7.30%          |
| Prime farmland if protected, No flooding              | 0.0             | 0.00%          |
| Prime farmland if protected, Occasional flooding      | 0.0             | 0.00%          |
| Prime farmland if protected, Rare flooding            | 0.0             | 0.00%          |
| Water   | 86.8            | 0.11%          |
| <b>Total</b>  | <b>81,015.1</b> | <b>100.00%</b> |

**Table 5: Prime Farmland vs. Not Prime Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres           | Percent        |
|---|-----------------|----------------|
| All areas are prime farmland, Frequent flooding     | 3,097.3         | 3.82%          |
| All areas are prime farmland, Non-Frequent flooding | 25,009.5        | 30.87%         |
| Not prime farmland, Frequent flooding               | 11,792.8        | 14.56%         |
| Not prime farmland, Non-Frequent flooding           | 41,028.6        | 50.64%         |
| Water   | 86.8            | 0.11%          |
| <b>Total</b>  | <b>81,015.1</b> | <b>100.00%</b> |

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**Table 6: Hydric Soils**

| Type             | Acres     | Percent |
|------------------|-----------|---------|
| All hydric       | 57,462.7  | 49.59%  |
| Not hydric       | 12,831.3  | 11.07%  |
| Partially hydric | 31,605.1  | 27.27%  |
| Unknown          | 2,126.6   | 1.84%   |
| Water            | 11,850.2  | 10.23%  |
| <b>Total</b>     | 115,875.9 | 100.00% |

**Table 7: Public Land**

|  | Acres   | Percent |
|--|---------|---------|
|  | 5,624.6 | 4.86%   |

**Table 8: Wetlands Reserve Program**

|  | Acres   | Percent |
|--|---------|---------|
|  | 4,315.9 | 3.73%   |

**Table 9: Presettlement Land Cover**

|                          | Acres     | Percent |
|--------------------------|-----------|---------|
| BLH                      | 5,091.0   | 4.39%   |
| BLH Ridge                | 2,175.4   | 1.87%   |
| Bottomland Lake          | 11,961.7  | 10.31%  |
| Bottomland Prairie Ridge | 3,936.2   | 3.39%   |
| Bottomland Prairie Swale | 515.6     | 0.44%   |
| Bottomland Prairie Urban | 0.0       | 0.00%   |
| Floodplain Forest Ridge  | 18,783.4  | 16.18%  |
| Floodplain Forest Swale  | 39,651.5  | 34.17%  |
| Floodplain Forest Urban  | 0.0       | 0.00%   |
| Other                    | 7,121.4   | 6.14%   |
| Riverfront Forest        | 21,224.8  | 18.29%  |
| Slope Forest             | 1,281.8   | 1.10%   |
| Slope Savanna            | 0.0       | 0.00%   |
| Terrace Forest           | 0.0       | 0.00%   |
| Terrace Prairie          | 0.0       | 0.00%   |
| Water                    | 4,311.8   | 3.72%   |
|                          | 116,054.7 | 100.00% |

**Table 10: Land Use and Flooding Frequency**

|                               | <b>Acres</b> | <b>Percent</b> |
|-------------------------------|--------------|----------------|
| Agriculture, Frequent         | 14,890.1     | 12.86%         |
| Agriculture, Not Frequent     | 66,039.6     | 57.03%         |
| Non-Agriculture, Frequent     | 12,770.0     | 11.03%         |
| Non-Agriculture, Not Frequent | 9,087.6      | 7.85%          |
| Unknown, Frequent             | 580.0        | 0.50%          |
| Unknown, Not Frequent         | 414.6        | 0.36%          |
| Water                         | 12,010.7     | 10.37%         |
|                               | 115,792.7    | 100.00%        |

**Table 11: Remnant Vegetation Sub Area 2**

|                          | <b>Acres</b> | <b>Percent</b> |
|--------------------------|--------------|----------------|
| BLH                      | 1,879.2      | 9.21%          |
| BLH Ridge                | 193.8        | 0.95%          |
| Bottomland Lake          | 785.9        | 3.85%          |
| Bottomland Prairie Ridge | 66.6         | 0.33%          |
| Bottomland Prairie Swale | 79.3         | 0.39%          |
| Bottomland Prairie Urban | 0.0          | 0.00%          |
| Floodplain Forest Ridge  | 3,432.5      | 16.83%         |
| Floodplain Forest Swale  | 3,147.1      | 15.43%         |
| Floodplain Forest Urban  | 0.0          | 0.00%          |
| Other                    | 667.7        | 3.27%          |
| Riverfront Forest        | 9,847.3      | 48.28%         |
| Slope Forest             | 297.9        | 1.46%          |
| Slope Savanna            | 0.0          | 0.00%          |
| Terrace Forest           | 0.0          | 0.00%          |
| Terrace Mesic Prairie    | 0.0          | 0.00%          |
| <b>Total</b>             | 20,397.0     | 100.00%        |

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i) **2000 Land Cover: Reach 3 Tables**

3-1

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 648.3        | 57.22%         |
| Developed   | 6.6          | 0.58%          |
| Forest      | 117.6        | 10.38%         |
| Grass/Forbs | 63.7         | 5.62%          |
| Marsh       | 13.5         | 1.19%          |
| Open Water  | 77.4         | 6.83%          |
| Sand/Mud    | 206.0        | 18.19%         |
| Unknown     | 0.0          | 0.00%          |

1,133.0 100.00%

3-4

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,090.9      | 37.32%         |
| Developed   | 16.2         | 0.55%          |
| Forest      | 1,257.9      | 43.03%         |
| Grass/Forbs | 195.8        | 6.70%          |
| Marsh       | 107.3        | 3.67%          |
| Open Water  | 164.3        | 5.62%          |
| Sand/Mud    | 81.9         | 2.80%          |
| Unknown     | 9.0          | 0.31%          |

2,923.3 100.00%

3-2

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,079.0      | 20.80%         |
| Developed   | 4.8          | 0.09%          |
| Forest      | 3,113.0      | 60.01%         |
| Grass/Forbs | 157.8        | 3.04%          |
| Marsh       | 519.1        | 10.01%         |
| Open Water  | 218.2        | 4.21%          |
| Sand/Mud    | 95.7         | 1.85%          |
| Unknown     | 0.0          | 0.00%          |

5,187.6 100.00%

3-5

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 488.1        | 40.39%         |
| Developed   | 2.5          | 0.21%          |
| Forest      | 516.3        | 42.72%         |
| Grass/Forbs | 94.4         | 7.81%          |
| Marsh       | 15.2         | 1.26%          |
| Open Water  | 37.8         | 3.13%          |
| Sand/Mud    | 54.1         | 4.48%          |
| Unknown     | 0.0          | 0.00%          |

1,208.5 100.00%

3-3

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 759.7        | 33.16%         |
| Developed   | 3.7          | 0.16%          |
| Forest      | 1,109.1      | 48.41%         |
| Grass/Forbs | 74.6         | 3.26%          |
| Marsh       | 87.5         | 3.82%          |
| Open Water  | 174.7        | 7.62%          |
| Sand/Mud    | 81.7         | 3.57%          |
| Unknown     | 0.1          | 0.00%          |

2,291.0 100.00%

3-6

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,550.3      | 27.36%         |
| Developed   | 13.2         | 0.23%          |
| Forest      | 2,931.5      | 51.72%         |
| Grass/Forbs | 217.3        | 3.83%          |
| Marsh       | 441.5        | 7.79%          |
| Open Water  | 402.0        | 7.09%          |
| Sand/Mud    | 111.6        | 1.97%          |
| Unknown     | 0.0          | 0.00%          |

5,667.5 100.00%

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3-7

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 569.9        | 49.69%         |
| Developed   | 2.8          | 0.25%          |
| Forest      | 417.8        | 36.43%         |
| Grass/Forbs | 34.1         | 2.97%          |
| Marsh       | 39.9         | 3.48%          |
| Open Water  | 36.9         | 3.21%          |
| Sand/Mud    | 44.5         | 3.88%          |
| Unknown     | 1.0          | 0.09%          |
|             | 1,146.8      | 100.00%        |

3-8

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 33,542.6     | 83.22%         |
| Developed   | 1,092.8      | 2.71%          |
| Forest      | 4,026.8      | 9.99%          |
| Grass/Forbs | 962.8        | 2.39%          |
| Marsh       | 305.9        | 0.76%          |
| Open Water  | 213.5        | 0.53%          |
| Sand/Mud    | 7.6          | 0.02%          |
| Unknown     | 155.6        | 0.39%          |
|             | 40,307.6     | 100.00%        |

3-9

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 24,840.9     | 90.20%         |
| Developed   | 488.7        | 1.77%          |
| Forest      | 514.7        | 1.87%          |
| Grass/Forbs | 925.2        | 3.36%          |
| Marsh       | 145.4        | 0.53%          |
| Open Water  | 249.3        | 0.91%          |
| Sand/Mud    | 3.9          | 0.01%          |
| Unknown     | 373.2        | 1.36%          |
|             | 27,541.2     | 100.00%        |

3-10

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 8,752.8      | 94.54%         |
| Developed   | 124.4        | 1.34%          |
| Forest      | 42.1         | 0.45%          |
| Grass/Forbs | 167.7        | 1.81%          |
| Marsh       | 150.9        | 1.63%          |
| Open Water  | 18.4         | 0.20%          |
| Sand/Mud    | 2.2          | 0.02%          |
| Unknown     | 0.0          | 0.00%          |
|             | 9,258.6      | 100.00%        |

3-11

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 7,689.9      | 85.89%         |
| Developed   | 8.8          | 0.10%          |
| Forest      | 545.0        | 6.09%          |
| Grass/Forbs | 289.5        | 3.23%          |
| Marsh       | 94.4         | 1.05%          |
| Open Water  | 70.3         | 0.79%          |
| Sand/Mud    | 10.3         | 0.12%          |
| Unknown     | 245.3        | 2.74%          |
|             | 8,953.5      | 100.00%        |

3-12

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.4          | 0.01%          |
| Developed   | 11.0         | 0.31%          |
| Forest      | 28.6         | 0.80%          |
| Grass/Forbs | 0.2          | 0.01%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 3,155.3      | 88.66%         |
| Sand/Mud    | 118.1        | 3.32%          |
| Unknown     | 245.3        | 6.89%          |
|             | 3,558.8      | 100.00%        |

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3-13

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 45.8         | 1.12%          |
| Forest      | 117.1        | 2.85%          |
| Grass/Forbs | 1.2          | 0.03%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 3,381.5      | 82.26%         |
| Sand/Mud    | 565.0        | 13.75%         |
| Unknown     | 0.0          | 0.00%          |
|             | 4,110.7      | 100.00%        |

3-14

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 26.1         | 0.97%          |
| Forest      | 64.0         | 2.37%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.1          | 0.00%          |
| Open Water  | 2,320.2      | 86.01%         |
| Sand/Mud    | 287.3        | 10.65%         |
| Unknown     | 0.0          | 0.00%          |
|             | 2,697.6      | 100.00%        |

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ii) **1989 Land Cover: Reach 3 Tables**

3-1

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 660.8        | 54.69%         |
| Developed   | 7.2          | 0.60%          |
| Forest      | 130.0        | 10.76%         |
| Grass/Forbs | 37.4         | 3.10%          |
| Marsh       | 3.5          | 0.29%          |
| Open Water  | 94.8         | 7.84%          |
| Sand/Mud    | 194.2        | 16.07%         |
| Unknown     | 80.4         | 6.66%          |
|             | 1,208.3      | 100.00%        |

3-4

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,210.7      | 41.38%         |
| Developed   | 18.9         | 0.65%          |
| Forest      | 896.4        | 30.64%         |
| Grass/Forbs | 196.5        | 6.72%          |
| Marsh       | 116.2        | 3.97%          |
| Open Water  | 141.2        | 4.82%          |
| Sand/Mud    | 8.3          | 0.28%          |
| Unknown     | 337.3        | 11.53%         |
|             | 2,925.5      | 100.00%        |

3-2

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 2,622.2      | 50.53%         |
| Developed   | 42.0         | 0.81%          |
| Forest      | 1,770.2      | 34.11%         |
| Grass/Forbs | 424.0        | 8.17%          |
| Marsh       | 283.7        | 5.47%          |
| Open Water  | 39.5         | 0.76%          |
| Sand/Mud    | 7.7          | 0.15%          |
| Unknown     | 0.0          | 0.00%          |
|             | 5,189.2      | 100.00%        |

3-5

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 406.9        | 33.55%         |
| Developed   | 8.5          | 0.70%          |
| Forest      | 366.0        | 30.18%         |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 8.1          | 0.67%          |
| Open Water  | 356.1        | 29.36%         |
| Sand/Mud    | 67.2         | 5.54%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,212.8      | 100.00%        |

3-3

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 951.1        | 41.43%         |
| Developed   | 8.0          | 0.35%          |
| Forest      | 795.3        | 34.65%         |
| Grass/Forbs | 98.5         | 4.29%          |
| Marsh       | 106.0        | 4.62%          |
| Open Water  | 259.9        | 11.32%         |
| Sand/Mud    | 76.6         | 3.34%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,295.3      | 100.00%        |

3-6

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 2,015.8      | 35.56%         |
| Developed   | 18.6         | 0.33%          |
| Forest      | 2,355.8      | 41.56%         |
| Grass/Forbs | 192.3        | 3.39%          |
| Marsh       | 325.5        | 5.74%          |
| Open Water  | 622.2        | 10.98%         |
| Sand/Mud    | 138.1        | 2.44%          |
| Unknown     | 0.0          | 0.00%          |
|             | 5,668.3      | 100.00%        |

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3-7

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 580.7        | 50.55%         |
| Developed   | 0.2          | 0.02%          |
| Forest      | 152.3        | 13.26%         |
| Grass/Forbs | 149.7        | 13.03%         |
| Marsh       | 31.9         | 2.78%          |
| Open Water  | 12.8         | 1.11%          |
| Sand/Mud    | 8.4          | 0.73%          |
| Unknown     | 212.5        | 18.50%         |
|             | 1,148.6      | 100.00%        |

3-10

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 8,486.1      | 91.66%         |
| Developed   | 126.9        | 1.37%          |
| Forest      | 175.8        | 1.90%          |
| Grass/Forbs | 176.7        | 1.91%          |
| Marsh       | 273.2        | 2.95%          |
| Open Water  | 4.3          | 0.05%          |
| Sand/Mud    | 15.0         | 0.16%          |
| Unknown     | 0.0          | 0.00%          |
|             | 9,258.1      | 100.00%        |

3-8

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 15,056.5     | 37.15%         |
| Developed   | 314.4        | 0.78%          |
| Forest      | 1,217.4      | 3.00%          |
| Grass/Forbs | 456.8        | 1.13%          |
| Marsh       | 221.4        | 0.55%          |
| Open Water  | 124.6        | 0.31%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 23,137.9     | 57.09%         |
|             | 40,529.0     | 100.00%        |

3-11

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 7,842.5      | 87.40%         |
| Developed   | 13.3         | 0.15%          |
| Forest      | 414.6        | 4.62%          |
| Grass/Forbs | 250.1        | 2.79%          |
| Marsh       | 237.1        | 2.64%          |
| Open Water  | 187.0        | 2.08%          |
| Sand/Mud    | 28.9         | 0.32%          |
| Unknown     | 0.0          | 0.00%          |
|             | 8,973.4      | 100.00%        |

3-9

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 23,988.2     | 87.10%         |
| Developed   | 390.9        | 1.42%          |
| Forest      | 1,078.6      | 3.92%          |
| Grass/Forbs | 876.0        | 3.18%          |
| Marsh       | 342.5        | 1.24%          |
| Open Water  | 202.5        | 0.74%          |
| Sand/Mud    | 26.6         | 0.10%          |
| Unknown     | 637.2        | 2.31%          |
|             | 27,542.4     | 100.00%        |

3-12

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 104.4        | 3.15%          |
| Developed   | 23.8         | 0.72%          |
| Forest      | 457.0        | 13.80%         |
| Grass/Forbs | 25.1         | 0.76%          |
| Marsh       | 46.9         | 1.42%          |
| Open Water  | 2,453.9      | 74.12%         |
| Sand/Mud    | 199.5        | 6.03%          |
| Unknown     | 0.0          | 0.00%          |
|             | 3,310.7      | 100.00%        |

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3-13

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 52.1         | 1.27%          |
| Developed   | 30.3         | 0.74%          |
| Forest      | 346.5        | 8.45%          |
| Grass/Forbs | 104.3        | 2.54%          |
| Marsh       | 43.5         | 1.06%          |
| Open Water  | 3,214.1      | 78.40%         |
| Sand/Mud    | 207.0        | 5.05%          |
| Unknown     | 101.9        | 2.49%          |
|             | 4,099.7      | 100.00%        |

3-14

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 76.6         | 2.85%          |
| Developed   | 9.4          | 0.35%          |
| Forest      | 405.4        | 15.06%         |
| Grass/Forbs | 36.2         | 1.34%          |
| Marsh       | 31.7         | 1.18%          |
| Open Water  | 1,942.3      | 72.16%         |
| Sand/Mud    | 148.6        | 5.52%          |
| Unknown     | 41.5         | 1.54%          |
|             | 2,691.6      | 100.00%        |

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iii) Farmland Type: Reach 3 Tables

3-1

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 2.0     | 0.17%   |
| Farmland of statewide importance | 0.1     | 0.01%   |
| Not prime farmland               | 821.2   | 68.13%  |
| Prime farmland if drained        | 0.0     | 0.00%   |
| Prime farmland if protected      | 117.3   | 9.73%   |
| Water                            | 264.8   | 21.97%  |
|                                  | 1,205.3 | 100.00% |

3-2

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 5,012.3 | 96.66%  |
| Prime farmland if drained        | 0.7     | 0.01%   |
| Prime farmland if protected      | 0.0     | 0.00%   |
| Water                            | 172.5   | 3.33%   |
|                                  | 5,185.4 | 100.00% |

3-3

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 1,540.0 | 67.28%  |
| Prime farmland if drained        | 0.0     | 0.00%   |
| Prime farmland if protected      | 575.4   | 25.14%  |
| Water                            | 173.6   | 7.58%   |
|                                  | 2,289.0 | 100.00% |

3-4

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 15.4    | 0.53%   |
| Not prime farmland               | 977.9   | 33.49%  |
| Prime farmland if drained        | 153.4   | 5.25%   |
| Prime farmland if protected      | 1,565.5 | 53.61%  |
| Water                            | 208.0   | 7.12%   |
|                                  | 2,920.2 | 100.00% |

3-5

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 445.9   | 36.96%  |
| Prime farmland if drained        | 0.0     | 0.00%   |
| Prime farmland if protected      | 704.8   | 58.42%  |
| Water                            | 55.7    | 4.62%   |
|                                  | 1,206.4 | 100.00% |

3-6

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 1.4     | 0.02%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 3,796.8 | 67.41%  |
| Prime farmland if drained        | 22.9    | 0.41%   |
| Prime farmland if protected      | 1,398.4 | 24.83%  |
| Water                            | 412.9   | 7.33%   |
|                                  | 5,632.3 | 100.00% |

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3-7

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 10.5         | 0.92%          |
| Not prime farmland               | 227.5        | 19.88%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 835.1        | 72.99%         |
| Water                            | 71.1         | 6.22%          |
|                                  | 1,144.2      | 100.00%        |

3-8

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 8,151.5      | 20.15%         |
| Farmland of statewide importance | 7,069.1      | 17.48%         |
| Not prime farmland               | 2,254.3      | 5.57%          |
| Prime farmland if drained        | 22,368.6     | 55.31%         |
| Prime farmland if protected      | 117.6        | 0.29%          |
| Water                            | 483.8        | 1.20%          |
|                                  | 40,444.8     | 100.00%        |

3-9

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 17,601.7     | 63.92%         |
| Farmland of statewide importance | 26.3         | 0.10%          |
| Not prime farmland               | 1,935.1      | 7.03%          |
| Prime farmland if drained        | 7,384.3      | 26.81%         |
| Prime farmland if protected      | 503.6        | 1.83%          |
| Water                            | 88.1         | 0.32%          |
|                                  | 27,539.2     | 100.00%        |

3-10

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 3,440.7      | 37.17%         |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 5,812.0      | 62.79%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 3.2          | 0.03%          |
|                                  | 9,255.9      | 100.00%        |

3-11

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 397.8        | 4.49%          |
| Farmland of statewide importance | 16.7         | 0.19%          |
| Not prime farmland               | 1,114.9      | 12.58%         |
| Prime farmland if drained        | 3,682.6      | 41.55%         |
| Prime farmland if protected      | 3,625.8      | 40.91%         |
| Water                            | 25.4         | 0.29%          |
|                                  | 8,863.3      | 100.00%        |

3-12

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 110.9        | 3.35%          |
| Prime farmland if drained        | 0.7          | 0.02%          |
| Prime farmland if protected      | 0.6          | 0.02%          |
| Water                            | 3,198.6      | 96.61%         |
|                                  | 3,310.9      | 100.00%        |

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3-13

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 173.0        | 4.22%          |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 73.7         | 1.80%          |
| Water                            | 3,856.4      | 93.99%         |
|                                  | 4,103.1      | 100.00%        |

3-14

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 56.8         | 2.11%          |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 45.8         | 1.70%          |
| Water                            | 2,590.2      | 96.19%         |
|                                  | 2,692.9      | 100.00%        |

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iv) **Farmland Type & Flooding Frequency in Farmed Lands: Reach 3 Tables**

3-1

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 647.4        | 53.71%         |
| Agriculture, Non-Frequent Flooding     | 0.9          | 0.07%          |
| Non-Agriculture, Frequent Flooding     | 204.7        | 16.98%         |
| Non-Agriculture, Non-Frequent Flooding | 201.6        | 16.72%         |
| Unknown, Frequent Flooding             | 66.9         | 5.55%          |
| Unknown, Non-Frequent Flooding         | 6.9          | 0.57%          |
| Water                                  | 76.9         | 6.38%          |
|  | 1,205.3      | 100.00%        |

3-2

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 1,069.1      | 20.62%         |
| Agriculture, Non-Frequent Flooding     | 9.9          | 0.19%          |
| Non-Agriculture, Frequent Flooding     | 3,317.6      | 63.98%         |
| Non-Agriculture, Non-Frequent Flooding | 525.8        | 10.14%         |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 263.1        | 5.07%          |
|  | 5,185.4      | 100.00%        |

3-3

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 715.4        | 31.25%         |
| Agriculture, Non-Frequent Flooding     | 44.3         | 1.93%          |
| Non-Agriculture, Frequent Flooding     | 853.7        | 37.29%         |
| Non-Agriculture, Non-Frequent Flooding | 501.2        | 21.90%         |
| Unknown, Frequent Flooding             | 0.1          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 174.3        | 7.62%          |
|  | 2,289.0      | 100.00%        |

3-4

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 1,089.6      | 37.31%         |
| Agriculture, Non-Frequent Flooding     | 1.0          | 0.03%          |
| Non-Agriculture, Frequent Flooding     | 1,482.8      | 50.78%         |
| Non-Agriculture, Non-Frequent Flooding | 105.4        | 3.61%          |
| Unknown, Frequent Flooding             | 6.5          | 0.22%          |
| Unknown, Non-Frequent Flooding         | 2.5          | 0.08%          |
| Water                                  | 232.4        | 7.96%          |
|  | 2,920.2      | 100.00%        |

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3-5

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 479.6   | 39.76%  |
| Agriculture, Non-Frequent Flooding     | 8.4     | 0.70%   |
| Non-Agriculture, Frequent Flooding     | 480.5   | 39.83%  |
| Non-Agriculture, Non-Frequent Flooding | 180.5   | 14.96%  |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 57.4    | 4.75%   |
|  | 1,206.4 | 100.00% |

3-6

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 1,530.6 | 27.18%  |
| Agriculture, Non-Frequent Flooding     | 8.8     | 0.16%   |
| Non-Agriculture, Frequent Flooding     | 3,502.4 | 62.18%  |
| Non-Agriculture, Non-Frequent Flooding | 73.9    | 1.31%   |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 516.6   | 9.17%   |
|  | 5,632.3 | 100.00% |

3-7

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 569.4   | 49.76%  |
| Agriculture, Non-Frequent Flooding     | 479.5   | 41.90%  |
| Non-Agriculture, Frequent Flooding     | 0.0     | 0.00%   |
| Non-Agriculture, Non-Frequent Flooding | 12.6    | 1.10%   |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 1.0     | 0.09%   |
| Water                                  | 81.8    | 7.15%   |
|  | 1,144.2 | 100.00% |

3-8

|  | Acres    | Percent |
|--|----------|---------|
| Agriculture, Frequent Flooding         | 3,481.6  | 8.61%   |
| Agriculture, Non-Frequent Flooding     | 29,985.7 | 74.14%  |
| Non-Agriculture, Frequent Flooding     | 1,045.4  | 2.58%   |
| Non-Agriculture, Non-Frequent Flooding | 4,809.5  | 11.89%  |
| Unknown, Frequent Flooding             | 39.6     | 0.10%   |
| Unknown, Non-Frequent Flooding         | 252.4    | 0.62%   |
| Water                                  | 830.5    | 2.05%   |
|  | 40,444.7 | 100.00% |

3-9

|  | Acres    | Percent |
|--|----------|---------|
| Agriculture, Frequent Flooding         | 267.6    | 0.97%   |
| Agriculture, Non-Frequent Flooding     | 24,573.4 | 89.23%  |
| Non-Agriculture, Frequent Flooding     | 300.1    | 1.09%   |
| Non-Agriculture, Non-Frequent Flooding | 1,770.6  | 6.43%   |
| Unknown, Frequent Flooding             | 264.0    | 0.96%   |
| Unknown, Non-Frequent Flooding         | 109.5    | 0.40%   |
| Water                                  | 254.1    | 0.92%   |
|  | 27,539.2 | 100.00% |

3-10

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 61.1    | 0.66%   |
| Agriculture, Non-Frequent Flooding     | 8,691.4 | 93.90%  |
| Non-Agriculture, Frequent Flooding     | 153.7   | 1.66%   |
| Non-Agriculture, Non-Frequent Flooding | 328.0   | 3.54%   |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 21.6    | 0.23%   |
|  | 9,255.9 | 100.00% |

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3-11

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 4,978.6      | 56.17%         |
| Agriculture, Non-Frequent Flooding     | 2,715.5      | 30.64%         |
| Non-Agriculture, Frequent Flooding     | 559.0        | 6.31%          |
| Non-Agriculture, Non-Frequent Flooding | 300.5        | 3.39%          |
| Unknown, Frequent Flooding             | 203.1        | 2.29%          |
| Unknown, Non-Frequent Flooding         | 42.3         | 0.48%          |
| Water                                  | 64.3         | 0.73%          |
|  | 8,863.3      | 100.00%        |

3-12

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.1          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.2          | 0.01%          |
| Non-Agriculture, Frequent Flooding     | 54.3         | 1.64%          |
| Non-Agriculture, Non-Frequent Flooding | 70.0         | 2.11%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 3,186.4      | 96.24%         |
|  | 3,310.9      | 100.00%        |

3-13

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.0          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 238.1        | 5.80%          |
| Non-Agriculture, Non-Frequent Flooding | 195.2        | 4.76%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 3,669.8      | 89.44%         |
|  | 4,103.1      | 100.00%        |

3-14

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.0          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 98.3         | 3.65%          |
| Non-Agriculture, Non-Frequent Flooding | 13.0         | 0.48%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 2,581.5      | 95.86%         |
|  | 2,692.9      | 100.00%        |

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v) **Public Lands: Reach 3 Tables**

| Sub Area     | Acres          |
|--------------|----------------|
| 3-1          | 0.0            |
| 3-2          | 2,774.8        |
| 3-3          | 92.3           |
| 3-4          | 2.3            |
| 3-5          | 0.0            |
| 3-6          | 358.7          |
| 3-7          | 0.0            |
| 3-8          | 2,266.4        |
| 3-9          | 0.0            |
| 3-10         | 0.0            |
| 3-11         | 0.0            |
| 3-12         | 47.3           |
| 3-13         | 1.6            |
| 3-14         | 81.3           |
| <b>Total</b> | <b>5,624.6</b> |

vi) **Wetlands Reserve Program:  
Reach 3 Tables**

| Sub Area     | Acres          |
|--------------|----------------|
| 3-1          | 0.0            |
| 3-2          | 2,047.6        |
| 3-3          | 0.0            |
| 3-4          | 1.5            |
| 3-5          | 0.0            |
| 3-6          | 2,192.7        |
| 3-7          | 0.0            |
| 3-8          | 1.9            |
| 3-9          | 17.8           |
| 3-10         | 3.1            |
| 3-11         | 0.0            |
| 3-12         | 39.8           |
| 3-13         | 1.6            |
| 3-14         | 9.8            |
| <b>Total</b> | <b>4,315.9</b> |

**D) Reach 4: Kaskaskia to Thebes Ecoregion**

**Table 1: 2000 Land Cover**

| <b>Class</b> | <b>Acres</b>     | <b>Percent</b> |
|--------------|------------------|----------------|
| Agriculture  | 48,479.3         | 46.54%         |
| Developed    | 1,864.3          | 1.79%          |
| Forest       | 27,540.3         | 26.44%         |
| Grass/Forbs  | 2,860.3          | 2.75%          |
| Marsh        | 7,989.5          | 7.67%          |
| Open Water   | 13,350.9         | 12.82%         |
| Sand/Mud     | 1,057.4          | 1.02%          |
| Unknown      | 1,017.3          | 0.98%          |
| <b>Total</b> | <b>104,159.3</b> | <b>100.00%</b> |

**Table 2: 1989 Land Cover**

| <b>Class</b> | <b>Acres</b>     | <b>Percent</b> |
|--------------|------------------|----------------|
| Agriculture  | 60,131.8         | 57.68%         |
| Developed    | 801.7            | 0.77%          |
| Forest       | 25,422.4         | 24.39%         |
| Grass/Forbs  | 2,897.7          | 2.78%          |
| Marsh        | 775.0            | 0.74%          |
| Open Water   | 12,440.4         | 11.93%         |
| Sand/Mud     | 628.7            | 0.60%          |
| Unknown      | 1,148.7          | 1.10%          |
| <b>Total</b> | <b>104,246.5</b> | <b>100.00%</b> |

**Table 3: Farmland Type**

| <b>Type</b>                      | <b>Acres</b>     | <b>Percent</b> |
|----------------------------------|------------------|----------------|
| All areas are prime farmland     | 23,645.0         | 22.70%         |
| Farmland of statewide importance | 16,686.7         | 16.02%         |
| Not prime farmland               | 24,747.1         | 23.76%         |
| Prime farmland if drained        | 23,315.0         | 22.38%         |
| Prime farmland if protected      | 2,436.4          | 2.34%          |
| Water                            | 13,327.4         | 12.80%         |
| <b>Total</b>                     | <b>104,157.6</b> | <b>100.00%</b> |

**Table 4: Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres           | Percent        |
|---|-----------------|----------------|
| All areas are prime farmland, Frequent flooding       | 4,154.8         | 8.57%          |
| All areas are prime farmland, No flooding             | 125.4           | 0.26%          |
| All areas are prime farmland, Occasional flooding     | 14,530.7        | 29.97%         |
| All areas are prime farmland, Rare flooding           | 779.5           | 1.61%          |
| Farmland of statewide importance, Frequent flooding   | 154.2           | 0.32%          |
| Farmland of statewide importance, No flooding         | 102.7           | 0.21%          |
| Farmland of statewide importance, Occasional flooding | 6,515.6         | 13.44%         |
| Farmland of statewide importance, Rare flooding       | 472.9           | 0.98%          |
| Not prime farmland, Frequent flooding                 | 4,485.5         | 9.25%          |
| Not prime farmland, No flooding                       | 165.6           | 0.34%          |
| Not prime farmland, Occasional flooding               | 0.0             | 0.00%          |
| Not prime farmland, Rare flooding                     | 0.0             | 0.00%          |
| Prime farmland if drained, Frequent flooding          | 1,398.6         | 2.88%          |
| Prime farmland if drained, No flooding                | 9.3             | 0.02%          |
| Prime farmland if drained, Occasional flooding        | 13,625.5        | 28.11%         |
| Prime farmland if drained, Rare flooding              | 1,078.2         | 2.22%          |
| Prime farmland if protected, Frequent flooding        | 735.4           | 1.52%          |
| Prime farmland if protected, No flooding              | 0.0             | 0.00%          |
| Prime farmland if protected, Occasional flooding      | 0.0             | 0.00%          |
| Prime farmland if protected, Rare flooding            | 0.0             | 0.00%          |
| Water   | 145.2           | 0.30%          |
| <b>Total</b>  | <b>48,479.0</b> | <b>100.00%</b> |

**Table 5: Prime Farmland vs. Not Prime Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres           | Percent        |
|---|-----------------|----------------|
| All areas are prime farmland, Frequent flooding     | 4,154.8         | 8.57%          |
| All areas are prime farmland, Non-Frequent flooding | 15,435.6        | 31.84%         |
| Not prime farmland, Frequent flooding               | 6,773.7         | 13.97%         |
| Not prime farmland, Non-Frequent flooding           | 21,969.7        | 45.32%         |
| Water   | 145.2           | 0.30%          |
| <b>Total</b>  | <b>48,479.0</b> | <b>100.00%</b> |

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**Table 6: Hydric Soils**

| Type             | Acres            | Percent        |
|------------------|------------------|----------------|
| All hydric       | 56,796.7         | 54.53%         |
| Not hydric       | 26,514.4         | 25.46%         |
| Partially hydric | 6,918.7          | 6.64%          |
| Unknown          | 586.6            | 0.56%          |
| Water            | 13,341.2         | 12.81%         |
| <b>Total</b>     | <b>104,157.6</b> | <b>100.00%</b> |

**Table 7: Public Land**

|  | Acres    | Percent |
|--|----------|---------|
|  | 27,334.1 | 26.24%  |

**Table 8: Wetlands Reserve Program**

|  | Acres   | Percent |
|--|---------|---------|
|  | 9,288.9 | 8.92%   |

**Table 9: Presettlement Land Cover**

|                          | Acres            | Percent        |
|--------------------------|------------------|----------------|
| BLH                      | 9,976.5          | 9.57%          |
| BLH Ridge                | 193.4            | 0.19%          |
| Bottomland Lake          | 4,062.0          | 3.90%          |
| Bottomland Prairie Ridge | 0.0              | 0.00%          |
| Bottomland Prairie Swale | 0.0              | 0.00%          |
| Bottomland Prairie Urban | 0.0              | 0.00%          |
| Floodplain Forest Ridge  | 12,635.6         | 12.12%         |
| Floodplain Forest Swale  | 33,448.1         | 32.09%         |
| Floodplain Forest Urban  | 0.0              | 0.00%          |
| Other                    | 10,967.3         | 10.52%         |
| Riverfront Forest        | 25,129.3         | 24.11%         |
| Slope Forest             | 3,647.7          | 3.50%          |
| Slope Savanna            | 0.0              | 0.00%          |
| Terrace Forest           | 0.0              | 0.00%          |
| Terrace Prairie          | 0.0              | 0.00%          |
| Water                    | 4,186.7          | 4.02%          |
|                          | <b>104,246.5</b> | <b>100.00%</b> |

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**Table 10: Land Use and Flooding Frequency**

|                               | <b>Acres</b> | <b>Percent</b> |
|-------------------------------|--------------|----------------|
| Agriculture, Frequent         | 10,928.5     | 10.49%         |
| Agriculture, Not Frequent     | 37,408.6     | 35.92%         |
| Non-Agriculture, Frequent     | 21,944.6     | 21.07%         |
| Non-Agriculture, Not Frequent | 18,371.1     | 17.64%         |
| Unknown, Frequent             | 89.1         | 0.09%          |
| Unknown, Not Frequent         | 927.4        | 0.89%          |
| Water                         | 14,488.4     | 13.91%         |
|                               | 104,157.6    | 100.00%        |

**Table 11: Remnant Vegetation Sub Area 4**

|                          | <b>Acres</b> | <b>Percent</b> |
|--------------------------|--------------|----------------|
| BLH                      | 8,750.8      | 19.55%         |
| BLH Ridge                | 136.4        | 0.30%          |
| Bottomland Lake          | 2,711.6      | 6.06%          |
| Bottomland Prairie Ridge | 0.0          | 0.00%          |
| Bottomland Prairie Swale | 0.0          | 0.00%          |
| Bottomland Prairie Urban | 0.0          | 0.00%          |
| Floodplain Forest Ridge  | 4,679.9      | 10.46%         |
| Floodplain Forest Swale  | 13,195.5     | 29.49%         |
| Floodplain Forest Urban  | 0.0          | 0.00%          |
| Other                    | 292.3        | 0.65%          |
| Riverfront Forest        | 13,608.5     | 30.41%         |
| Slope Forest             | 1,376.0      | 3.07%          |
| Slope Savanna            | 0.0          | 0.00%          |
| Terrace Forest           | 0.0          | 0.00%          |
| Terrace Mesic Prairie    | 0.0          | 0.00%          |
| <b>Total</b>             | 44,750.9     | 100.00%        |

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**i) 2000 Land Cover: Reach 4 Tables**

4-1

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 310.5        | 47.71%         |
| Developed   | 62.8         | 9.65%          |
| Forest      | 206.8        | 31.77%         |
| Grass/Forbs | 1.9          | 0.29%          |
| Marsh       | 34.8         | 5.34%          |
| Open Water  | 10.1         | 1.55%          |
| Sand/Mud    | 16.7         | 2.56%          |
| Unknown     | 7.4          | 1.13%          |
|             | 650.8        | 100.00%        |

4-4

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 916.0        | 22.20%         |
| Developed   | 2.9          | 0.07%          |
| Forest      | 2,333.4      | 56.54%         |
| Grass/Forbs | 128.8        | 3.12%          |
| Marsh       | 258.9        | 6.27%          |
| Open Water  | 422.0        | 10.23%         |
| Sand/Mud    | 64.8         | 1.57%          |
| Unknown     | 0.0          | 0.00%          |
|             | 4,126.8      | 100.00%        |

4-2

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 238.8        | 9.39%          |
| Developed   | 17.6         | 0.69%          |
| Forest      | 1,361.6      | 53.56%         |
| Grass/Forbs | 88.0         | 3.46%          |
| Marsh       | 75.8         | 2.98%          |
| Open Water  | 436.5        | 17.17%         |
| Sand/Mud    | 324.1        | 12.75%         |
| Unknown     | 0.0          | 0.00%          |
|             | 2,542.4      | 100.00%        |

4-5

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,322.1      | 45.29%         |
| Developed   | 6.2          | 0.21%          |
| Forest      | 1,167.6      | 40.00%         |
| Grass/Forbs | 23.2         | 0.79%          |
| Marsh       | 31.3         | 1.07%          |
| Open Water  | 307.3        | 10.53%         |
| Sand/Mud    | 58.2         | 1.99%          |
| Unknown     | 3.2          | 0.11%          |
|             | 2,919.0      | 100.00%        |

4-3

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,743.2      | 53.86%         |
| Developed   | 139.1        | 4.30%          |
| Forest      | 578.0        | 17.86%         |
| Grass/Forbs | 146.3        | 4.52%          |
| Marsh       | 75.4         | 2.33%          |
| Open Water  | 340.0        | 10.50%         |
| Sand/Mud    | 6.0          | 0.18%          |
| Unknown     | 208.7        | 6.45%          |
|             | 3,236.7      | 100.00%        |

4-6

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 510.8        | 17.27%         |
| Developed   | 0.0          | 0.00%          |
| Forest      | 1,241.9      | 42.00%         |
| Grass/Forbs | 118.5        | 4.01%          |
| Marsh       | 674.6        | 22.81%         |
| Open Water  | 309.5        | 10.47%         |
| Sand/Mud    | 101.7        | 3.44%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,957.0      | 100.00%        |

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4-7

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 112.0        | 27.38%         |
| Developed   | 25.3         | 6.20%          |
| Forest      | 207.8        | 50.82%         |
| Grass/Forbs | 16.5         | 4.03%          |
| Marsh       | 5.9          | 1.44%          |
| Open Water  | 13.3         | 3.26%          |
| Sand/Mud    | 9.7          | 2.38%          |
| Unknown     | 18.4         | 4.49%          |
|             | 408.9        | 100.00%        |

4-10

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 8,732.7      | 65.29%         |
| Developed   | 414.6        | 3.10%          |
| Forest      | 1,033.3      | 7.73%          |
| Grass/Forbs | 408.8        | 3.06%          |
| Marsh       | 2,711.9      | 20.27%         |
| Open Water  | 70.4         | 0.53%          |
| Sand/Mud    | 3.5          | 0.03%          |
| Unknown     | 0.5          | 0.00%          |
|             | 13,375.7     | 100.00%        |

4-8

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 509.3        | 18.86%         |
| Developed   | 0.0          | 0.00%          |
| Forest      | 1,483.3      | 54.93%         |
| Grass/Forbs | 159.3        | 5.90%          |
| Marsh       | 197.1        | 7.30%          |
| Open Water  | 294.1        | 10.89%         |
| Sand/Mud    | 57.0         | 2.11%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,700.2      | 100.00%        |

4-11

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 10,826.8     | 60.23%         |
| Developed   | 291.1        | 1.62%          |
| Forest      | 4,420.5      | 24.59%         |
| Grass/Forbs | 703.1        | 3.91%          |
| Marsh       | 344.2        | 1.91%          |
| Open Water  | 1,246.2      | 6.93%          |
| Sand/Mud    | 42.8         | 0.24%          |
| Unknown     | 101.2        | 0.56%          |
|             | 17,975.9     | 100.00%        |

4-9

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 142.5        | 15.91%         |
| Developed   | 0.7          | 0.08%          |
| Forest      | 504.3        | 56.29%         |
| Grass/Forbs | 53.0         | 5.91%          |
| Marsh       | 11.7         | 1.31%          |
| Open Water  | 126.9        | 14.16%         |
| Sand/Mud    | 56.8         | 6.34%          |
| Unknown     | 0.0          | 0.00%          |
|             | 895.9        | 100.00%        |

4-12

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 14,756.1     | 74.21%         |
| Developed   | 366.9        | 1.85%          |
| Forest      | 2,491.6      | 12.53%         |
| Grass/Forbs | 312.4        | 1.57%          |
| Marsh       | 1,515.8      | 7.62%          |
| Open Water  | 154.9        | 0.78%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 285.7        | 1.44%          |
|             | 19,883.3     | 100.00%        |

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4-13

|             | Acres    | Percent |
|-------------|----------|---------|
| Agriculture | 8,360.2  | 35.65%  |
| Developed   | 516.4    | 2.20%   |
| Forest      | 10,610.1 | 45.24%  |
| Grass/Forbs | 726.7    | 3.10%   |
| Marsh       | 2,054.2  | 8.76%   |
| Open Water  | 1,132.2  | 4.83%   |
| Sand/Mud    | 47.9     | 0.20%   |
| Unknown     | 5.0      | 0.02%   |
|             | 23,452.8 | 100.00% |

4-16

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 0.0     | 0.00%   |
| Developed   | 0.0     | 0.00%   |
| Forest      | 27.7    | 1.24%   |
| Grass/Forbs | 0.0     | 0.00%   |
| Marsh       | 0.4     | 0.02%   |
| Open Water  | 2,150.4 | 96.41%  |
| Sand/Mud    | 52.0    | 2.33%   |
| Unknown     | 0.0     | 0.00%   |
|             | 2,230.5 | 100.00% |

4-14

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 0.1     | 0.01%   |
| Developed   | 18.1    | 0.90%   |
| Forest      | 22.7    | 1.13%   |
| Grass/Forbs | 1.4     | 0.07%   |
| Marsh       | 0.0     | 0.00%   |
| Open Water  | 1,936.5 | 96.24%  |
| Sand/Mud    | 33.5    | 1.66%   |
| Unknown     | 0.0     | 0.00%   |
|             | 2,012.3 | 100.00% |

4-17

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 0.0     | 0.00%   |
| Developed   | 2.5     | 0.10%   |
| Forest      | 61.5    | 2.53%   |
| Grass/Forbs | 1.5     | 0.06%   |
| Marsh       | 0.0     | 0.00%   |
| Open Water  | 2,230.4 | 91.66%  |
| Sand/Mud    | 137.5   | 5.65%   |
| Unknown     | 0.0     | 0.00%   |
|             | 2,433.5 | 100.00% |

4-15

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 0.1     | 0.01%   |
| Developed   | 0.0     | 0.00%   |
| Forest      | 27.7    | 1.22%   |
| Grass/Forbs | 0.3     | 0.01%   |
| Marsh       | 0.0     | 0.00%   |
| Open Water  | 2,201.8 | 96.60%  |
| Sand/Mud    | 49.5    | 2.17%   |
| Unknown     | 0.0     | 0.00%   |
|             | 2,279.3 | 100.00% |

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ii) 1989 Land Cover: Reach 4 Tables

4-1

|             | Acres | Percent |
|-------------|-------|---------|
| Agriculture | 255.3 | 39.03%  |
| Developed   | 30.4  | 4.65%   |
| Forest      | 161.6 | 24.70%  |
| Grass/Forbs | 0.0   | 0.00%   |
| Marsh       | 0.0   | 0.00%   |
| Open Water  | 28.3  | 4.32%   |
| Sand/Mud    | 0.5   | 0.07%   |
| Unknown     | 178.2 | 27.24%  |
|             | 654.2 | 100.00% |

4-2

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 501.3   | 19.70%  |
| Developed   | 31.3    | 1.23%   |
| Forest      | 1,170.1 | 45.99%  |
| Grass/Forbs | 127.2   | 5.00%   |
| Marsh       | 52.7    | 2.07%   |
| Open Water  | 362.8   | 14.26%  |
| Sand/Mud    | 299.0   | 11.75%  |
| Unknown     | 0.0     | 0.00%   |
|             | 2,544.2 | 100.00% |

4-3

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 328.0   | 10.13%  |
| Developed   | 52.6    | 1.62%   |
| Forest      | 192.1   | 5.93%   |
| Grass/Forbs | 10.5    | 0.32%   |
| Marsh       | 64.3    | 1.99%   |
| Open Water  | 154.6   | 4.77%   |
| Sand/Mud    | 0.0     | 0.00%   |
| Unknown     | 2,435.5 | 75.23%  |
|             | 3,237.6 | 100.00% |

4-4

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 1,017.2 | 24.66%  |
| Developed   | 14.8    | 0.36%   |
| Forest      | 2,411.3 | 58.46%  |
| Grass/Forbs | 30.9    | 0.75%   |
| Marsh       | 48.2    | 1.17%   |
| Open Water  | 548.9   | 13.31%  |
| Sand/Mud    | 53.2    | 1.29%   |
| Unknown     | 0.0     | 0.00%   |
|             | 4,124.5 | 100.00% |

4-5

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 1,245.8 | 42.67%  |
| Developed   | 10.0    | 0.34%   |
| Forest      | 1,112.0 | 38.09%  |
| Grass/Forbs | 7.0     | 0.24%   |
| Marsh       | 8.9     | 0.31%   |
| Open Water  | 196.6   | 6.73%   |
| Sand/Mud    | 46.5    | 1.59%   |
| Unknown     | 292.6   | 10.02%  |
|             | 2,919.4 | 100.00% |

4-6

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 1,199.1 | 40.75%  |
| Developed   | 3.7     | 0.12%   |
| Forest      | 1,305.6 | 44.37%  |
| Grass/Forbs | 243.2   | 8.26%   |
| Marsh       | 115.3   | 3.92%   |
| Open Water  | 43.0    | 1.46%   |
| Sand/Mud    | 32.7    | 1.11%   |
| Unknown     | 0.0     | 0.00%   |
|             | 2,942.6 | 100.00% |

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4-7

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 0.7          | 0.17%          |
| Forest      | 58.8         | 14.38%         |
| Grass/Forbs | 4.7          | 1.16%          |
| Marsh       | 4.6          | 1.12%          |
| Open Water  | 33.9         | 8.29%          |
| Sand/Mud    | 9.2          | 2.25%          |
| Unknown     | 297.1        | 72.65%         |
|             | 408.9        | 100.00%        |

4-10

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 10,980.0     | 82.06%         |
| Developed   | 416.4        | 3.11%          |
| Forest      | 984.2        | 7.36%          |
| Grass/Forbs | 311.4        | 2.33%          |
| Marsh       | 157.3        | 1.18%          |
| Open Water  | 101.2        | 0.76%          |
| Sand/Mud    | 12.1         | 0.09%          |
| Unknown     | 417.6        | 3.12%          |
|             | 13,380.2     | 100.00%        |

4-8

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 936.1        | 34.28%         |
| Developed   | 8.8          | 0.32%          |
| Forest      | 1,392.4      | 51.00%         |
| Grass/Forbs | 175.5        | 6.43%          |
| Marsh       | 48.7         | 1.78%          |
| Open Water  | 116.5        | 4.27%          |
| Sand/Mud    | 52.3         | 1.92%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,730.4      | 100.00%        |

4-11

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 9,344.8      | 51.99%         |
| Developed   | 221.6        | 1.23%          |
| Forest      | 2,974.9      | 16.55%         |
| Grass/Forbs | 485.1        | 2.70%          |
| Marsh       | 290.0        | 1.61%          |
| Open Water  | 754.6        | 4.20%          |
| Sand/Mud    | 7.5          | 0.04%          |
| Unknown     | 3,896.5      | 21.68%         |
|             | 17,975.0     | 100.00%        |

4-9

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 154.4        | 17.87%         |
| Developed   | 26.8         | 3.11%          |
| Forest      | 508.4        | 58.85%         |
| Grass/Forbs | 26.0         | 3.01%          |
| Marsh       | 16.3         | 1.89%          |
| Open Water  | 89.3         | 10.33%         |
| Sand/Mud    | 42.7         | 4.94%          |
| Unknown     | 0.0          | 0.00%          |
|             | 863.9        | 100.00%        |

4-12

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 12,957.4     | 65.12%         |
| Developed   | 409.7        | 2.06%          |
| Forest      | 2,244.9      | 11.28%         |
| Grass/Forbs | 299.3        | 1.50%          |
| Marsh       | 161.6        | 0.81%          |
| Open Water  | 295.4        | 1.48%          |
| Sand/Mud    | 23.7         | 0.12%          |
| Unknown     | 3,505.7      | 17.62%         |
|             | 19,897.5     | 100.00%        |

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4-13

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 5,939.8      | 25.15%         |
| Developed   | 332.8        | 1.41%          |
| Forest      | 1,544.0      | 6.54%          |
| Grass/Forbs | 546.6        | 2.31%          |
| Marsh       | 1,150.1      | 4.87%          |
| Open Water  | 356.3        | 1.51%          |
| Sand/Mud    | 23.2         | 0.10%          |
| Unknown     | 13,723.5     | 58.11%         |
|             | 23,616.3     | 100.00%        |

4-14

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 56.1         | 2.79%          |
| Developed   | 56.4         | 2.81%          |
| Forest      | 248.4        | 12.37%         |
| Grass/Forbs | 1.6          | 0.08%          |
| Marsh       | 9.3          | 0.47%          |
| Open Water  | 1,562.4      | 77.79%         |
| Sand/Mud    | 51.1         | 2.54%          |
| Unknown     | 23.4         | 1.16%          |
|             | 2,008.6      | 100.00%        |

4-15

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 114.5        | 5.01%          |
| Developed   | 21.0         | 0.92%          |
| Forest      | 213.4        | 9.34%          |
| Grass/Forbs | 0.5          | 0.02%          |
| Marsh       | 11.9         | 0.52%          |
| Open Water  | 1,858.5      | 81.38%         |
| Sand/Mud    | 55.7         | 2.44%          |
| Unknown     | 8.2          | 0.36%          |
|             | 2,283.6      | 100.00%        |

4-16

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 10.7         | 0.48%          |
| Developed   | 9.4          | 0.42%          |
| Forest      | 272.5        | 12.24%         |
| Grass/Forbs | 18.8         | 0.84%          |
| Marsh       | 2.4          | 0.11%          |
| Open Water  | 1,797.3      | 80.76%         |
| Sand/Mud    | 114.4        | 5.14%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,225.6      | 100.00%        |

4-17

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 6.9          | 0.28%          |
| Forest      | 169.3        | 6.96%          |
| Grass/Forbs | 14.0         | 0.58%          |
| Marsh       | 3.6          | 0.15%          |
| Open Water  | 1,999.4      | 82.20%         |
| Sand/Mud    | 228.6        | 9.40%          |
| Unknown     | 10.5         | 0.43%          |
|             | 2,432.4      | 100.00%        |

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iii) **Farmland Type: Reach 4 Tables**

4-1

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 268.5        | 41.26%         |
| Farmland of statewide importance | 0.1          | 0.01%          |
| Not prime farmland               | 25.4         | 3.91%          |
| Prime farmland if drained        | 270.8        | 41.61%         |
| Prime farmland if protected      | 79.3         | 12.18%         |
| Water                            | 6.8          | 1.04%          |
|                                  | 650.8        | 100.00%        |

4-2

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.2          | 0.01%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 1,492.1      | 58.69%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 502.2        | 19.75%         |
| Water                            | 547.8        | 21.55%         |
|                                  | 2,542.2      | 100.00%        |

4-3

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 188.7        | 5.83%          |
| Farmland of statewide importance | 6.4          | 0.20%          |
| Not prime farmland               | 1,253.3      | 38.72%         |
| Prime farmland if drained        | 1,593.0      | 49.22%         |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 195.3        | 6.03%          |
|                                  | 3,236.7      | 100.00%        |

4-4

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.7          | 0.02%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 3,491.9      | 84.75%         |
| Prime farmland if drained        | 92.4         | 2.24%          |
| Prime farmland if protected      | 168.7        | 4.09%          |
| Water                            | 366.3        | 8.89%          |
|                                  | 4,119.9      | 100.00%        |

4-5

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 18.3         | 0.63%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 2,592.4      | 88.86%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 12.1         | 0.41%          |
| Water                            | 294.7        | 10.10%         |
|                                  | 2,917.5      | 100.00%        |

4-6

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 3.4          | 0.11%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 1,731.0      | 58.64%         |
| Prime farmland if drained        | 307.2        | 10.41%         |
| Prime farmland if protected      | 595.1        | 20.16%         |
| Water                            | 315.3        | 10.68%         |
|                                  | 2,952.0      | 100.00%        |

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4-7

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 49.0         | 11.98%         |
| Farmland of statewide importance | 70.5         | 17.23%         |
| Not prime farmland               | 176.3        | 43.12%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 94.9         | 23.20%         |
| Water                            | 18.3         | 4.47%          |
|                                  | 408.9        | 100.00%        |

4-8

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.1          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 2,089.4      | 77.40%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 343.9        | 12.74%         |
| Water                            | 266.2        | 9.86%          |
|                                  | 2,699.5      | 100.00%        |

4-9

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 459.9        | 53.12%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 343.5        | 39.68%         |
| Water                            | 62.3         | 7.20%          |
|                                  | 865.8        | 100.00%        |

4-10

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 4,773.7      | 35.70%         |
| Farmland of statewide importance | 1,924.3      | 14.39%         |
| Not prime farmland               | 1,174.0      | 8.78%          |
| Prime farmland if drained        | 5,382.1      | 40.25%         |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 118.2        | 0.88%          |
|                                  | 13,372.3     | 100.00%        |

4-11

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 6,978.9      | 38.83%         |
| Farmland of statewide importance | 3,298.1      | 18.35%         |
| Not prime farmland               | 2,925.5      | 16.28%         |
| Prime farmland if drained        | 3,734.7      | 20.78%         |
| Prime farmland if protected      | 7.2          | 0.04%          |
| Water                            | 1,028.3      | 5.72%          |
|                                  | 17,972.7     | 100.00%        |

4-12

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 6,470.5      | 32.55%         |
| Farmland of statewide importance | 4,675.5      | 23.52%         |
| Not prime farmland               | 1,018.9      | 5.13%          |
| Prime farmland if drained        | 7,363.9      | 37.05%         |
| Prime farmland if protected      | 48.8         | 0.25%          |
| Water                            | 298.8        | 1.50%          |
|                                  | 19,876.4     | 100.00%        |

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4-13

|                                  | Acres    | Percent |
|----------------------------------|----------|---------|
| All areas are prime farmland     | 4,893.0  | 20.74%  |
| Farmland of statewide importance | 6,711.9  | 28.45%  |
| Not prime farmland               | 6,144.1  | 26.04%  |
| Prime farmland if drained        | 4,566.4  | 19.36%  |
| Prime farmland if protected      | 212.5    | 0.90%   |
| Water                            | 1,063.0  | 4.51%   |
|                                  | 23,590.9 | 100.00% |

4-14

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 19.8    | 0.98%   |
| Prime farmland if drained        | 4.6     | 0.23%   |
| Prime farmland if protected      | 25.2    | 1.25%   |
| Water                            | 1,962.8 | 97.54%  |
|                                  | 2,012.3 | 100.00% |

4-15

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 55.4    | 2.43%   |
| Prime farmland if drained        | 0.0     | 0.00%   |
| Prime farmland if protected      | 0.0     | 0.00%   |
| Water                            | 2,222.5 | 97.57%  |
|                                  | 2,278.0 | 100.00% |

4-16

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 19.5    | 0.88%   |
| Prime farmland if drained        | 0.0     | 0.00%   |
| Prime farmland if protected      | 2.7     | 0.12%   |
| Water                            | 2,206.9 | 99.00%  |
|                                  | 2,229.1 | 100.00% |

4-17

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 0.0     | 0.00%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 78.2    | 3.21%   |
| Prime farmland if drained        | 0.0     | 0.00%   |
| Prime farmland if protected      | 0.4     | 0.02%   |
| Water                            | 2,353.9 | 96.77%  |
|                                  | 2,432.5 | 100.00% |

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iv) **Farmland Type & Flooding Frequency in Farmed Lands: Reach 4 Tables**

4-1

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 2.1          | 0.33%          |
| Agriculture, Non-Frequent Flooding     | 308.3        | 47.38%         |
| Non-Agriculture, Frequent Flooding     | 73.6         | 11.31%         |
| Non-Agriculture, Non-Frequent Flooding | 249.2        | 38.29%         |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 7.4          | 1.13%          |
| Water                                  | 10.1         | 1.55%          |
|  | 650.8        | 100.00%        |

4-2

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 230.7        | 9.07%          |
| Agriculture, Non-Frequent Flooding     | 8.1          | 0.32%          |
| Non-Agriculture, Frequent Flooding     | 1,596.6      | 62.80%         |
| Non-Agriculture, Non-Frequent Flooding | 161.0        | 6.33%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 545.9        | 21.47%         |
|  | 2,542.2      | 100.00%        |

4-3

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 498.3        | 15.39%         |
| Agriculture, Non-Frequent Flooding     | 1,244.9      | 38.46%         |
| Non-Agriculture, Frequent Flooding     | 287.1        | 8.87%          |
| Non-Agriculture, Non-Frequent Flooding | 657.6        | 20.32%         |
| Unknown, Frequent Flooding             | 1.8          | 0.05%          |
| Unknown, Non-Frequent Flooding         | 207.0        | 6.39%          |
| Water                                  | 340.0        | 10.50%         |
|  | 3,236.7      | 100.00%        |

4-4

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 909.0        | 22.06%         |
| Agriculture, Non-Frequent Flooding     | 5.3          | 0.13%          |
| Non-Agriculture, Frequent Flooding     | 2,479.7      | 60.19%         |
| Non-Agriculture, Non-Frequent Flooding | 230.6        | 5.60%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 495.3        | 12.02%         |
|  | 4,119.9      | 100.00%        |

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4-5

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 1,316.2 | 45.11%  |
| Agriculture, Non-Frequent Flooding     | 5.8     | 0.20%   |
| Non-Agriculture, Frequent Flooding     | 1,197.2 | 41.03%  |
| Non-Agriculture, Non-Frequent Flooding | 88.8    | 3.04%   |
| Unknown, Frequent Flooding             | 3.2     | 0.11%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 306.3   | 10.50%  |
|  | 2,917.5 | 100.00% |

4-6

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 508.6   | 17.23%  |
| Agriculture, Non-Frequent Flooding     | 1.9     | 0.06%   |
| Non-Agriculture, Frequent Flooding     | 1,784.1 | 60.44%  |
| Non-Agriculture, Non-Frequent Flooding | 237.3   | 8.04%   |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 420.1   | 14.23%  |
|  | 2,952.0 | 100.00% |

4-7

|  | Acres | Percent |
|--|-------|---------|
| Agriculture, Frequent Flooding         | 74.6  | 18.24%  |
| Agriculture, Non-Frequent Flooding     | 37.4  | 9.14%   |
| Non-Agriculture, Frequent Flooding     | 170.9 | 41.79%  |
| Non-Agriculture, Non-Frequent Flooding | 94.4  | 23.08%  |
| Unknown, Frequent Flooding             | 6.6   | 1.63%   |
| Unknown, Non-Frequent Flooding         | 11.7  | 2.87%   |
| Water                                  | 13.3  | 3.26%   |
|  | 408.9 | 100.00% |

4-8

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 508.0   | 18.82%  |
| Agriculture, Non-Frequent Flooding     | 0.9     | 0.03%   |
| Non-Agriculture, Frequent Flooding     | 1,559.9 | 57.79%  |
| Non-Agriculture, Non-Frequent Flooding | 278.4   | 10.31%  |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 352.3   | 13.05%  |
|  | 2,699.5 | 100.00% |

4-9

|  | Acres | Percent |
|--|-------|---------|
| Agriculture, Frequent Flooding         | 122.2 | 14.11%  |
| Agriculture, Non-Frequent Flooding     | 20.3  | 2.35%   |
| Non-Agriculture, Frequent Flooding     | 480.3 | 55.48%  |
| Non-Agriculture, Non-Frequent Flooding | 136.8 | 15.80%  |
| Unknown, Frequent Flooding             | 0.0   | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0   | 0.00%   |
| Water                                  | 106.2 | 12.27%  |
|  | 865.8 | 100.00% |

4-10

|  | Acres    | Percent |
|--|----------|---------|
| Agriculture, Frequent Flooding         | 282.1    | 2.11%   |
| Agriculture, Non-Frequent Flooding     | 8,442.3  | 63.13%  |
| Non-Agriculture, Frequent Flooding     | 668.0    | 5.00%   |
| Non-Agriculture, Non-Frequent Flooding | 3,841.6  | 28.73%  |
| Unknown, Frequent Flooding             | 0.5      | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0      | 0.00%   |
| Water                                  | 137.8    | 1.03%   |
|  | 13,372.3 | 100.00% |

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4-11

|  | Acres    | Percent |
|--|----------|---------|
| Agriculture, Frequent Flooding         | 2,201.6  | 12.25%  |
| Agriculture, Non-Frequent Flooding     | 8,556.3  | 47.61%  |
| Non-Agriculture, Frequent Flooding     | 1,959.7  | 10.90%  |
| Non-Agriculture, Non-Frequent Flooding | 3,685.2  | 20.50%  |
| Unknown, Frequent Flooding             | 1.1      | 0.01%   |
| Unknown, Non-Frequent Flooding         | 100.0    | 0.56%   |
| Water                                  | 1,468.8  | 8.17%   |
|  | 17,972.7 | 100.00% |

4-12

|  | Acres    | Percent |
|--|----------|---------|
| Agriculture, Frequent Flooding         | 2,740.5  | 13.79%  |
| Agriculture, Non-Frequent Flooding     | 11,986.6 | 60.31%  |
| Non-Agriculture, Frequent Flooding     | 1,029.6  | 5.18%   |
| Non-Agriculture, Non-Frequent Flooding | 3,463.9  | 17.43%  |
| Unknown, Frequent Flooding             | 1.7      | 0.01%   |
| Unknown, Non-Frequent Flooding         | 283.9    | 1.43%   |
| Water                                  | 370.3    | 1.86%   |
|  | 19,876.5 | 100.00% |

4-13

|  | Acres    | Percent |
|--|----------|---------|
| Agriculture, Frequent Flooding         | 1,534.5  | 6.50%   |
| Agriculture, Non-Frequent Flooding     | 6,790.3  | 28.78%  |
| Non-Agriculture, Frequent Flooding     | 8,518.4  | 36.11%  |
| Non-Agriculture, Non-Frequent Flooding | 5,065.9  | 21.47%  |
| Unknown, Frequent Flooding             | 74.1     | 0.31%   |
| Unknown, Non-Frequent Flooding         | 317.4    | 1.35%   |
| Water                                  | 1,290.3  | 5.47%   |
|  | 23,590.9 | 100.00% |

4-14

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 0.1     | 0.01%   |
| Agriculture, Non-Frequent Flooding     | 0.0     | 0.00%   |
| Non-Agriculture, Frequent Flooding     | 14.9    | 0.74%   |
| Non-Agriculture, Non-Frequent Flooding | 29.1    | 1.45%   |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 1,968.2 | 97.81%  |
|  | 2,012.3 | 100.00% |

4-15

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 0.1     | 0.00%   |
| Agriculture, Non-Frequent Flooding     | 0.0     | 0.00%   |
| Non-Agriculture, Frequent Flooding     | 36.7    | 1.61%   |
| Non-Agriculture, Non-Frequent Flooding | 17.7    | 0.77%   |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 2,223.5 | 97.61%  |
|  | 2,278.0 | 100.00% |

4-16

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 0.0     | 0.00%   |
| Agriculture, Non-Frequent Flooding     | 0.0     | 0.00%   |
| Non-Agriculture, Frequent Flooding     | 19.7    | 0.89%   |
| Non-Agriculture, Non-Frequent Flooding | 10.4    | 0.46%   |
| Unknown, Frequent Flooding             | 0.0     | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.0     | 0.00%   |
| Water                                  | 2,199.0 | 98.65%  |
|  | 2,229.1 | 100.00% |

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4-17

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 0.0          | 0.00%          |
| Agriculture, Non-Frequent Flooding     | 0.0          | 0.00%          |
| Non-Agriculture, Frequent Flooding     | 68.2         | 2.80%          |
| Non-Agriculture, Non-Frequent Flooding | 123.2        | 5.06%          |
| Unknown, Frequent Flooding             | 0.0          | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.0          | 0.00%          |
| Water                                  | 2,241.1      | 92.13%         |
|  | 2,432.6      | 100.00%        |

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v) **Public Lands: Reach 4 Tables**

| Sub Area     | Acres           |
|--------------|-----------------|
| 4-1          | 0.0             |
| 4-2          | 175.5           |
| 4-3          | 0.0             |
| 4-4          | 2,654.0         |
| 4-5          | 17.3            |
| 4-6          | 0.0             |
| 4-7          | 3.8             |
| 4-8          | 622.2           |
| 4-9          | 0.0             |
| 4-10         | 2,727.4         |
| 4-11         | 7,191.9         |
| 4-12         | 2,148.3         |
| 4-13         | 11,760.2        |
| 4-14         | 7.7             |
| 4-15         | 11.5            |
| 4-16         | 13.4            |
| 4-17         | 1.0             |
| <b>Total</b> | <b>27,334.1</b> |

vi) **Wetlands Reserve Program: Reach 4 Tables**

| Sub Area     | Acres          |
|--------------|----------------|
| 4-1          | 0.0            |
| 4-2          | 127.2          |
| 4-3          | 534.5          |
| 4-4          | 133.4          |
| 4-5          | 0.0            |
| 4-6          | 681.4          |
| 4-7          | 0.0            |
| 4-8          | 1,573.7        |
| 4-9          | 0.0            |
| 4-10         | 2,909.0        |
| 4-11         | 672.4          |
| 4-12         | 1,459.9        |
| 4-13         | 1,176.6        |
| 4-14         | 2.3            |
| 4-15         | 5.7            |
| 4-16         | 12.8           |
| 4-17         | 0.1            |
| <b>Total</b> | <b>9,288.9</b> |

**III) Thebes Ecoregion**

**E) Reach 5: Thebes Ecoregion**

**Table 1: 2000 Land Cover**

| <b>Class</b> | <b>Acres</b>    | <b>Percent</b> |
|--------------|-----------------|----------------|
| Agriculture  | 37,883.6        | 50.83%         |
| Developed    | 1,566.9         | 2.10%          |
| Forest       | 16,275.4        | 21.84%         |
| Grass/Forbs  | 1,235.2         | 1.66%          |
| Marsh        | 2,317.7         | 3.11%          |
| Open Water   | 13,788.7        | 18.50%         |
| Sand/Mud     | 1,234.3         | 1.66%          |
| Unknown      | 224.2           | 0.30%          |
| <b>Total</b> | <b>74,526.0</b> | <b>100.00%</b> |

**Table 2: 1989 Land Cover**

| <b>Class</b> | <b>Acres</b>    | <b>Percent</b> |
|--------------|-----------------|----------------|
| Agriculture  | 43,109.4        | 57.71%         |
| Developed    | 1,065.1         | 1.43%          |
| Forest       | 13,328.5        | 17.84%         |
| Grass/Forbs  | 971.1           | 1.30%          |
| Marsh        | 670.4           | 0.90%          |
| Open Water   | 13,176.6        | 17.64%         |
| Sand/Mud     | 448.7           | 0.60%          |
| Unknown      | 1,935.7         | 2.59%          |
| <b>Total</b> | <b>74,705.4</b> | <b>100.00%</b> |

**Table 3: Farmland Type**

| <b>Type</b>                      | <b>Acres</b>    | <b>Percent</b> |
|----------------------------------|-----------------|----------------|
| All areas are prime farmland     | 10,614.5        | 14.25%         |
| Farmland of statewide importance | 2,967.1         | 3.98%          |
| Not prime farmland               | 28,099.7        | 37.72%         |
| Prime farmland if drained        | 16,331.2        | 21.92%         |
| Prime farmland if protected      | 406.5           | 0.55%          |
| Water                            | 16,068.7        | 21.57%         |
| <b>Total</b>                     | <b>74,487.7</b> | <b>100.00%</b> |

**Table 4: Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres           | Percent        |
|---|-----------------|----------------|
| All areas are prime farmland, Frequent flooding       | 0.0             | 0.00%          |
| All areas are prime farmland, No flooding             | 364.5           | 0.96%          |
| All areas are prime farmland, Occasional flooding     | 1,908.0         | 5.04%          |
| All areas are prime farmland, Rare flooding           | 5,576.1         | 14.72%         |
| Farmland of statewide importance, Frequent flooding   | 0.0             | 0.00%          |
| Farmland of statewide importance, No flooding         | 15.3            | 0.04%          |
| Farmland of statewide importance, Occasional flooding | 618.0           | 1.63%          |
| Farmland of statewide importance, Rare flooding       | 1,295.8         | 3.42%          |
| Not prime farmland, Frequent flooding                 | 14,200.2        | 37.48%         |
| Not prime farmland, No flooding                       | 486.7           | 1.28%          |
| Not prime farmland, Occasional flooding               | 0.0             | 0.00%          |
| Not prime farmland, Rare flooding                     | 0.0             | 0.00%          |
| Prime farmland if drained, Frequent flooding          | 678.0           | 1.79%          |
| Prime farmland if drained, No flooding                | 5.6             | 0.01%          |
| Prime farmland if drained, Occasional flooding        | 3,047.8         | 8.05%          |
| Prime farmland if drained, Rare flooding              | 9,557.3         | 25.23%         |
| Prime farmland if protected, Frequent flooding        | 77.7            | 0.21%          |
| Prime farmland if protected, No flooding              | 0.0             | 0.00%          |
| Prime farmland if protected, Occasional flooding      | 0.0             | 0.00%          |
| Prime farmland if protected, Rare flooding            | 0.0             | 0.00%          |
| Water   | 52.6            | 0.14%          |
| <b>Total</b>  | <b>37,883.6</b> | <b>100.00%</b> |

**Table 5: Prime Farmland vs. Not Prime Farmland Type & Flooding Frequency in Farmed Lands**

| Type  | Acres           | Percent        |
|---|-----------------|----------------|
| All areas are prime farmland, Frequent flooding     | 0.0             | 0.00%          |
| All areas are prime farmland, Non-Frequent flooding | 7,848.6         | 20.72%         |
| Not prime farmland, Frequent flooding               | 14,955.9        | 39.48%         |
| Not prime farmland, Non-Frequent flooding           | 15,026.5        | 39.66%         |
| Water   | 52.6            | 0.14%          |
| <b>Total</b>  | <b>37,883.6</b> | <b>100.00%</b> |

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**Table 6: Hydric Soils**

| Type             | Acres           | Percent        |
|------------------|-----------------|----------------|
| All hydric       | 33,830.0        | 45.42%         |
| Not hydric       | 7,893.7         | 10.60%         |
| Partially hydric | 14,942.3        | 20.06%         |
| Unknown          | 1,753.0         | 2.35%          |
| Water            | 16,068.7        | 21.57%         |
| <b>Total</b>     | <b>74,487.7</b> | <b>100.00%</b> |

**Table 7: Public Land**

|  | Acres   | Percent |
|--|---------|---------|
|  | 8,651.4 | 11.61%  |

**Table 8: Wetlands Reserve Program**

|  | Acres   | Percent |
|--|---------|---------|
|  | 1,595.0 | 2.14%   |

**Table 9: Presettlement Land Cover**

|                          | Acres           | Percent        |
|--------------------------|-----------------|----------------|
| BLH                      | 32,751.2        | 43.84%         |
| BLH Ridge                | 0.0             | 0.00%          |
| Bottomland Lake          | 4,654.2         | 6.23%          |
| Bottomland Prairie Ridge | 0.0             | 0.00%          |
| Bottomland Prairie Swale | 0.0             | 0.00%          |
| Bottomland Prairie Urban | 0.0             | 0.00%          |
| Floodplain Forest Ridge  | 0.0             | 0.00%          |
| Floodplain Forest Swale  | 5,593.4         | 7.49%          |
| Floodplain Forest Urban  | 0.0             | 0.00%          |
| Other                    | 11,654.7        | 15.60%         |
| Riverfront Forest        | 8,914.1         | 11.93%         |
| Slope Forest             | 1,020.2         | 1.37%          |
| Slope Savanna            | 0.0             | 0.00%          |
| Terrace Forest           | 0.0             | 0.00%          |
| Terrace Prairie          | 0.0             | 0.00%          |
| Water                    | 10,117.6        | 13.54%         |
| <b>Total</b>             | <b>74,705.3</b> | <b>100.00%</b> |

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**Table 10: Land Use and Flooding Frequency**

|                               | <b>Acres</b>    | <b>Percent</b> |
|-------------------------------|-----------------|----------------|
| Agriculture, Frequent         | 14,955.9        | 20.08%         |
| Agriculture, Not Frequent     | 22,877.3        | 30.71%         |
| Non-Agriculture, Frequent     | 11,173.4        | 15.00%         |
| Non-Agriculture, Not Frequent | 9,034.5         | 12.13%         |
| Unknown, Frequent             | 30.0            | 0.04%          |
| Unknown, Not Frequent         | 55.2            | 0.07%          |
| Water                         | 16,361.3        | 21.97%         |
| <b>Total</b>                  | <b>74,487.7</b> | <b>100.00%</b> |

**Table 11: Remnant Vegetation Sub Area 5**

|                          | <b>Acres</b>    | <b>Percent</b> |
|--------------------------|-----------------|----------------|
| BLH                      | 8,901.9         | 39.26%         |
| BLH Ridge                | 0.0             | 0.00%          |
| Bottomland Lake          | 3,108.9         | 13.71%         |
| Bottomland Prairie Ridge | 0.0             | 0.00%          |
| Bottomland Prairie Swale | 0.0             | 0.00%          |
| Bottomland Prairie Urban | 0.0             | 0.00%          |
| Floodplain Forest Ridge  | 0.0             | 0.00%          |
| Floodplain Forest Swale  | 1,229.8         | 5.42%          |
| Floodplain Forest Urban  | 0.0             | 0.00%          |
| Other                    | 0.0             | 0.00%          |
| Riverfront Forest        | 8,477.5         | 37.39%         |
| Slope Forest             | 954.2           | 4.21%          |
| Slope Savanna            | 0.0             | 0.00%          |
| Terrace Forest           | 0.0             | 0.00%          |
| Terrace Mesic Prairie    | 0.0             | 0.00%          |
| <b>Total</b>             | <b>22,672.3</b> | <b>100.00%</b> |

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i) **2000 Land Cover: Reach 5 Tables**

5-1

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 24.0         | 2.50%          |
| Developed   | 0.0          | 0.00%          |
| Forest      | 424.0        | 44.02%         |
| Grass/Forbs | 3.9          | 0.40%          |
| Marsh       | 30.9         | 3.20%          |
| Open Water  | 266.5        | 27.67%         |
| Sand/Mud    | 214.0        | 22.22%         |
| Unknown     | 0.0          | 0.00%          |
|             | 963.2        | 100.00%        |

5-4

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 2,914.6      | 73.01%         |
| Developed   | 52.7         | 1.32%          |
| Forest      | 321.6        | 8.06%          |
| Grass/Forbs | 60.1         | 1.51%          |
| Marsh       | 449.4        | 11.26%         |
| Open Water  | 159.7        | 4.00%          |
| Sand/Mud    | 33.7         | 0.84%          |
| Unknown     | 0.0          | 0.00%          |
|             | 3,991.8      | 100.00%        |

5-2

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 65.9         | 2.86%          |
| Developed   | 0.0          | 0.00%          |
| Forest      | 1,669.5      | 72.46%         |
| Grass/Forbs | 79.7         | 3.46%          |
| Marsh       | 47.3         | 2.05%          |
| Open Water  | 238.7        | 10.36%         |
| Sand/Mud    | 203.0        | 8.81%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,304.1      | 100.00%        |

5-5

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 7,335.0      | 84.86%         |
| Developed   | 10.9         | 0.13%          |
| Forest      | 1,068.7      | 12.36%         |
| Grass/Forbs | 73.3         | 0.85%          |
| Marsh       | 68.4         | 0.79%          |
| Open Water  | 45.6         | 0.53%          |
| Sand/Mud    | 41.8         | 0.48%          |
| Unknown     | 0.0          | 0.00%          |
|             | 8,643.6      | 100.00%        |

5-3

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,889.5      | 64.30%         |
| Developed   | 30.1         | 1.02%          |
| Forest      | 697.5        | 23.74%         |
| Grass/Forbs | 72.9         | 2.48%          |
| Marsh       | 46.9         | 1.60%          |
| Open Water  | 149.5        | 5.09%          |
| Sand/Mud    | 52.2         | 1.78%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,938.6      | 100.00%        |

5-6

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 5,245.3      | 91.01%         |
| Developed   | 4.0          | 0.07%          |
| Forest      | 221.7        | 3.85%          |
| Grass/Forbs | 147.7        | 2.56%          |
| Marsh       | 96.1         | 1.67%          |
| Open Water  | 48.5         | 0.84%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 0.0          | 0.00%          |
|             | 5,763.2      | 100.00%        |

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5-7

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 190.1        | 17.09%         |
| Developed   | 148.9        | 13.38%         |
| Forest      | 375.8        | 33.77%         |
| Grass/Forbs | 23.7         | 2.13%          |
| Marsh       | 172.8        | 15.53%         |
| Open Water  | 150.0        | 13.48%         |
| Sand/Mud    | 51.5         | 4.62%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,112.8      | 100.00%        |

5-10

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,275.7      | 44.60%         |
| Developed   | 0.6          | 0.02%          |
| Forest      | 1,147.5      | 40.12%         |
| Grass/Forbs | 128.5        | 4.49%          |
| Marsh       | 158.7        | 5.55%          |
| Open Water  | 135.4        | 4.73%          |
| Sand/Mud    | 13.9         | 0.49%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,860.3      | 100.00%        |

5-8

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 520.6        | 17.77%         |
| Developed   | 12.9         | 0.44%          |
| Forest      | 1,116.8      | 38.12%         |
| Grass/Forbs | 73.8         | 2.52%          |
| Marsh       | 322.8        | 11.02%         |
| Open Water  | 599.2        | 20.45%         |
| Sand/Mud    | 236.1        | 8.06%          |
| Unknown     | 47.8         | 1.63%          |
|             | 2,930.0      | 100.00%        |

5-11

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 1,627.9      | 71.00%         |
| Developed   | 6.2          | 0.27%          |
| Forest      | 429.1        | 18.72%         |
| Grass/Forbs | 101.2        | 4.41%          |
| Marsh       | 66.0         | 2.88%          |
| Open Water  | 56.0         | 2.44%          |
| Sand/Mud    | 6.3          | 0.27%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,292.8      | 100.00%        |

5-9

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 6,191.0      | 69.23%         |
| Developed   | 9.9          | 0.11%          |
| Forest      | 1,973.4      | 22.07%         |
| Grass/Forbs | 37.8         | 0.42%          |
| Marsh       | 325.0        | 3.63%          |
| Open Water  | 344.5        | 3.85%          |
| Sand/Mud    | 60.5         | 0.68%          |
| Unknown     | 0.0          | 0.00%          |
|             | 8,942.0      | 100.00%        |

5-12

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 37.8         | 3.61%          |
| Developed   | 0.0          | 0.00%          |
| Forest      | 673.0        | 64.27%         |
| Grass/Forbs | 7.8          | 0.74%          |
| Marsh       | 10.1         | 0.97%          |
| Open Water  | 298.0        | 28.46%         |
| Sand/Mud    | 20.3         | 1.94%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,047.0      | 100.00%        |

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5-13

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 800.4        | 32.33%         |
| Developed   | 913.8        | 36.91%         |
| Forest      | 380.5        | 15.37%         |
| Grass/Forbs | 122.2        | 4.94%          |
| Marsh       | 90.2         | 3.64%          |
| Open Water  | 5.8          | 0.24%          |
| Sand/Mud    | 3.1          | 0.12%          |
| Unknown     | 159.7        | 6.45%          |
|             | 2,475.7      | 100.00%        |

5-16

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 3,403.1      | 60.74%         |
| Developed   | 63.3         | 1.13%          |
| Forest      | 1,719.5      | 30.69%         |
| Grass/Forbs | 82.6         | 1.47%          |
| Marsh       | 256.0        | 4.57%          |
| Open Water  | 60.1         | 1.07%          |
| Sand/Mud    | 8.7          | 0.16%          |
| Unknown     | 9.3          | 0.17%          |
|             | 5,602.6      | 100.00%        |

5-14

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 4,124.6      | 75.30%         |
| Developed   | 112.9        | 2.06%          |
| Forest      | 1,102.6      | 20.13%         |
| Grass/Forbs | 88.5         | 1.62%          |
| Marsh       | 32.4         | 0.59%          |
| Open Water  | 8.7          | 0.16%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 7.5          | 0.14%          |
|             | 5,477.3      | 100.00%        |

5-17

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.4          | 0.02%          |
| Developed   | 0.0          | 0.00%          |
| Forest      | 79.0         | 2.91%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.1          | 0.01%          |
| Open Water  | 2,601.0      | 95.93%         |
| Sand/Mud    | 30.7         | 1.13%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,711.3      | 100.00%        |

5-15

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 2,250.8      | 35.14%         |
| Developed   | 196.3        | 3.07%          |
| Forest      | 2,781.2      | 43.43%         |
| Grass/Forbs | 176.7        | 2.76%          |
| Marsh       | 142.3        | 2.22%          |
| Open Water  | 857.4        | 13.39%         |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 0.0          | 0.00%          |
|             | 6,404.7      | 100.00%        |

5-18

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.3          | 0.02%          |
| Developed   | 0.0          | 0.00%          |
| Forest      | 45.9         | 2.50%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 1.7          | 0.09%          |
| Open Water  | 1,743.6      | 95.00%         |
| Sand/Mud    | 43.8         | 2.39%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,835.3      | 100.00%        |

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5-19

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 0.0          | 0.00%          |
| Forest      | 36.0         | 1.67%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.8          | 0.04%          |
| Open Water  | 2,042.5      | 94.93%         |
| Sand/Mud    | 72.2         | 3.36%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,151.5      | 100.00%        |

5-20

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 0.0          | 0.00%          |
| Forest      | 7.0          | 0.51%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 1.6          | 0.12%          |
| Open Water  | 1,324.5      | 95.70%         |
| Sand/Mud    | 50.8         | 3.67%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,383.9      | 100.00%        |

5-21

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 6.7          | 0.24%          |
| Forest      | 40.7         | 1.44%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 2,684.8      | 94.85%         |
| Sand/Mud    | 98.3         | 3.47%          |
| Unknown     | 0.1          | 0.00%          |
|             | 2,830.7      | 100.00%        |

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ii) 1989 Land Cover: Reach 5 Tables

5-1

|             | Acres | Percent |
|-------------|-------|---------|
| Agriculture | 0.0   | 0.00%   |
| Developed   | 0.0   | 0.00%   |
| Forest      | 0.0   | 0.00%   |
| Grass/Forbs | 0.0   | 0.00%   |
| Marsh       | 0.0   | 0.00%   |
| Open Water  | 0.0   | 0.00%   |
| Sand/Mud    | 0.0   | 0.00%   |
| Unknown     | 969.4 | 100.00% |
|             | 969.4 | 100.00% |

5-4

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 1,476.1 | 37.14%  |
| Developed   | 44.9    | 1.13%   |
| Forest      | 17.9    | 0.45%   |
| Grass/Forbs | 9.8     | 0.25%   |
| Marsh       | 5.9     | 0.15%   |
| Open Water  | 1.5     | 0.04%   |
| Sand/Mud    | 0.0     | 0.00%   |
| Unknown     | 2,418.7 | 60.85%  |
|             | 3,974.7 | 100.00% |

5-2

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 149.2   | 6.43%   |
| Developed   | 21.3    | 0.92%   |
| Forest      | 1,467.0 | 63.27%  |
| Grass/Forbs | 32.0    | 1.38%   |
| Marsh       | 47.3    | 2.04%   |
| Open Water  | 168.4   | 7.26%   |
| Sand/Mud    | 152.7   | 6.59%   |
| Unknown     | 280.7   | 12.11%  |
|             | 2,318.7 | 100.00% |

5-5

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 1,263.6 | 14.65%  |
| Developed   | 6.7     | 0.08%   |
| Forest      | 87.5    | 1.01%   |
| Grass/Forbs | 11.6    | 0.13%   |
| Marsh       | 3.2     | 0.04%   |
| Open Water  | 0.0     | 0.00%   |
| Sand/Mud    | 0.0     | 0.00%   |
| Unknown     | 7,252.6 | 84.09%  |
|             | 8,625.1 | 100.00% |

5-3

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 265.0   | 9.02%   |
| Developed   | 20.8    | 0.71%   |
| Forest      | 84.3    | 2.87%   |
| Grass/Forbs | 19.6    | 0.67%   |
| Marsh       | 2.3     | 0.08%   |
| Open Water  | 177.9   | 6.06%   |
| Sand/Mud    | 0.0     | 0.00%   |
| Unknown     | 2,368.4 | 80.60%  |
|             | 2,938.4 | 100.00% |

5-6

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 5,205.2 | 90.32%  |
| Developed   | 11.8    | 0.20%   |
| Forest      | 291.6   | 5.06%   |
| Grass/Forbs | 136.2   | 2.36%   |
| Marsh       | 25.5    | 0.44%   |
| Open Water  | 91.6    | 1.59%   |
| Sand/Mud    | 1.4     | 0.02%   |
| Unknown     | 0.0     | 0.00%   |
|             | 5,763.3 | 100.00% |

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5-7

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 489.1        | 43.73%         |
| Developed   | 3.0          | 0.27%          |
| Forest      | 350.9        | 31.37%         |
| Grass/Forbs | 18.1         | 1.61%          |
| Marsh       | 13.5         | 1.20%          |
| Open Water  | 236.1        | 21.11%         |
| Sand/Mud    | 7.9          | 0.71%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,118.5      | 100.00%        |

5-10

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 0.0          | 0.00%          |
| Forest      | 0.0          | 0.00%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 0.0          | 0.00%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 2,862.3      | 100.00%        |
|             | 2,862.3      | 100.00%        |

5-8

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 564.6        | 19.25%         |
| Developed   | 19.9         | 0.68%          |
| Forest      | 1,760.3      | 60.02%         |
| Grass/Forbs | 53.4         | 1.82%          |
| Marsh       | 14.5         | 0.49%          |
| Open Water  | 393.1        | 13.41%         |
| Sand/Mud    | 17.1         | 0.58%          |
| Unknown     | 109.7        | 3.74%          |
|             | 2,932.7      | 100.00%        |

5-11

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 0.0          | 0.00%          |
| Forest      | 0.0          | 0.00%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 0.0          | 0.00%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 2,294.4      | 100.00%        |
|             | 2,294.4      | 100.00%        |

5-9

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 0.0          | 0.00%          |
| Forest      | 0.0          | 0.00%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 0.0          | 0.00%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 8,972.8      | 100.00%        |
|             | 8,972.8      | 100.00%        |

5-12

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 0.0          | 0.00%          |
| Forest      | 0.0          | 0.00%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 0.0          | 0.00%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 1,048.2      | 100.00%        |
|             | 1,048.2      | 100.00%        |

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5-13

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 0.0     | 0.00%   |
| Developed   | 0.0     | 0.00%   |
| Forest      | 0.0     | 0.00%   |
| Grass/Forbs | 0.0     | 0.00%   |
| Marsh       | 0.0     | 0.00%   |
| Open Water  | 0.0     | 0.00%   |
| Sand/Mud    | 0.0     | 0.00%   |
| Unknown     | 2,477.9 | 100.00% |
|             | 2,477.9 | 100.00% |

5-16

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 1,931.3 | 34.37%  |
| Developed   | 33.9    | 0.60%   |
| Forest      | 791.1   | 14.08%  |
| Grass/Forbs | 64.5    | 1.15%   |
| Marsh       | 33.0    | 0.59%   |
| Open Water  | 17.6    | 0.31%   |
| Sand/Mud    | 0.0     | 0.00%   |
| Unknown     | 2,747.0 | 48.89%  |
|             | 5,618.5 | 100.00% |

5-14

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 3,221.2 | 58.72%  |
| Developed   | 32.8    | 0.60%   |
| Forest      | 767.1   | 13.98%  |
| Grass/Forbs | 35.1    | 0.64%   |
| Marsh       | 12.4    | 0.23%   |
| Open Water  | 16.0    | 0.29%   |
| Sand/Mud    | 0.2     | 0.00%   |
| Unknown     | 1,401.0 | 25.54%  |
|             | 5,485.9 | 100.00% |

5-17

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 0.0     | 0.00%   |
| Developed   | 0.0     | 0.00%   |
| Forest      | 0.0     | 0.00%   |
| Grass/Forbs | 0.0     | 0.00%   |
| Marsh       | 0.0     | 0.00%   |
| Open Water  | 0.0     | 0.00%   |
| Sand/Mud    | 0.0     | 0.00%   |
| Unknown     | 2,707.8 | 100.00% |
|             | 2,707.8 | 100.00% |

5-15

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 1,088.8 | 17.00%  |
| Developed   | 148.5   | 2.32%   |
| Forest      | 1,656.6 | 25.87%  |
| Grass/Forbs | 17.7    | 0.28%   |
| Marsh       | 31.5    | 0.49%   |
| Open Water  | 492.5   | 7.69%   |
| Sand/Mud    | 0.3     | 0.01%   |
| Unknown     | 2,966.9 | 46.34%  |
|             | 6,403.0 | 100.00% |

5-18

|             | Acres   | Percent |
|-------------|---------|---------|
| Agriculture | 0.0     | 0.00%   |
| Developed   | 0.0     | 0.00%   |
| Forest      | 0.0     | 0.00%   |
| Grass/Forbs | 0.0     | 0.00%   |
| Marsh       | 0.0     | 0.00%   |
| Open Water  | 0.0     | 0.00%   |
| Sand/Mud    | 0.0     | 0.00%   |
| Unknown     | 1,837.7 | 100.00% |
|             | 1,837.7 | 100.00% |

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5-19

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 0.0          | 0.00%          |
| Developed   | 0.8          | 0.04%          |
| Forest      | 63.1         | 2.93%          |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.0          | 0.00%          |
| Open Water  | 175.5        | 8.15%          |
| Sand/Mud    | 0.0          | 0.00%          |
| Unknown     | 1,914.1      | 88.88%         |
|             | 2,153.4      | 100.00%        |

5-20

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 13.8         | 1.00%          |
| Developed   | 4.8          | 0.35%          |
| Forest      | 105.6        | 7.66%          |
| Grass/Forbs | 5.2          | 0.38%          |
| Marsh       | 5.9          | 0.43%          |
| Open Water  | 1,223.9      | 88.85%         |
| Sand/Mud    | 18.3         | 1.33%          |
| Unknown     | 0.0          | 0.00%          |
|             | 1,377.4      | 100.00%        |

5-21

|             | <b>Acres</b> | <b>Percent</b> |
|-------------|--------------|----------------|
| Agriculture | 15.0         | 0.53%          |
| Developed   | 22.0         | 0.78%          |
| Forest      | 376.0        | 13.31%         |
| Grass/Forbs | 0.0          | 0.00%          |
| Marsh       | 0.1          | 0.00%          |
| Open Water  | 2,404.6      | 85.14%         |
| Sand/Mud    | 6.7          | 0.24%          |
| Unknown     | 0.0          | 0.00%          |
|             | 2,824.3      | 100.00%        |

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iii) **Farmland Type: Reach 5 Tables**

5-1

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 524.9        | 54.55%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 437.3        | 45.45%         |
|                                  | 962.2        | 100.00%        |

5-2

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 1,890.4      | 82.17%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 410.2        | 17.83%         |
|                                  | 2,300.5      | 100.00%        |

5-3

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 260.2        | 8.86%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 393.3        | 13.40%         |
| Prime farmland if drained        | 1,922.6      | 65.49%         |
| Prime farmland if protected      | 209.9        | 7.15%          |
| Water                            | 149.9        | 5.11%          |
|                                  | 2,935.9      | 100.00%        |

5-4

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 225.7        | 5.66%          |
| Farmland of statewide importance | 200.2        | 5.02%          |
| Not prime farmland               | 2,634.7      | 66.10%         |
| Prime farmland if drained        | 613.1        | 15.38%         |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 312.2        | 7.83%          |
|                                  | 3,985.8      | 100.00%        |

5-5

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 8,492.3      | 98.78%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 105.2        | 1.22%          |
|                                  | 8,597.5      | 100.00%        |

5-6

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 1,027.6      | 17.83%         |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 572.9        | 9.94%          |
| Prime farmland if drained        | 4,092.2      | 71.01%         |
| Prime farmland if protected      | 70.2         | 1.22%          |
| Water                            | 0.0          | 0.00%          |
|                                  | 5,762.8      | 100.00%        |

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5-7

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 65.9         | 5.92%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 186.2        | 16.73%         |
| Prime farmland if drained        | 616.8        | 55.43%         |
| Prime farmland if protected      | 86.7         | 7.79%          |
| Water                            | 157.2        | 14.13%         |
|                                  | 1,112.8      | 100.00%        |

5-8

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 104.2        | 3.56%          |
| Farmland of statewide importance | 17.8         | 0.61%          |
| Not prime farmland               | 1,822.0      | 62.32%         |
| Prime farmland if drained        | 142.1        | 4.86%          |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 837.7        | 28.65%         |
|                                  | 2,923.7      | 100.00%        |

5-9

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 3,779.1      | 42.27%         |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 1,843.5      | 20.62%         |
| Prime farmland if drained        | 2,941.0      | 32.90%         |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 376.8        | 4.21%          |
|                                  | 8,940.5      | 100.00%        |

5-10

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 2,691.1      | 94.11%         |
| Prime farmland if drained        | 0.0          | 0.00%          |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 168.4        | 5.89%          |
|                                  | 2,859.5      | 100.00%        |

5-11

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 95.0         | 4.14%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 338.3        | 14.75%         |
| Prime farmland if drained        | 1,821.8      | 79.46%         |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 37.7         | 1.64%          |
|                                  | 2,292.8      | 100.00%        |

5-12

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.0          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 764.5        | 73.24%         |
| Prime farmland if drained        | 0.3          | 0.03%          |
| Prime farmland if protected      | 0.0          | 0.00%          |
| Water                            | 279.1        | 26.73%         |
|                                  | 1,043.9      | 100.00%        |

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5-13

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 384.0   | 15.97%  |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 1,574.6 | 65.51%  |
| Prime farmland if drained        | 352.9   | 14.68%  |
| Prime farmland if protected      | 0.0     | 0.00%   |
| Water                            | 92.1    | 3.83%   |
|                                  | 2,403.5 | 100.00% |

5-14

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 1,854.3 | 33.87%  |
| Farmland of statewide importance | 422.8   | 7.72%   |
| Not prime farmland               | 962.8   | 17.59%  |
| Prime farmland if drained        | 2,212.5 | 40.41%  |
| Prime farmland if protected      | 0.0     | 0.00%   |
| Water                            | 22.4    | 0.41%   |
|                                  | 5,474.8 | 100.00% |

5-15

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 1,702.7 | 26.58%  |
| Farmland of statewide importance | 1,442.9 | 22.53%  |
| Not prime farmland               | 696.8   | 10.88%  |
| Prime farmland if drained        | 579.8   | 9.05%   |
| Prime farmland if protected      | 0.0     | 0.00%   |
| Water                            | 1,982.7 | 30.96%  |
|                                  | 6,404.8 | 100.00% |

5-16

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 1,066.0 | 19.07%  |
| Farmland of statewide importance | 883.5   | 15.80%  |
| Not prime farmland               | 2,637.2 | 47.17%  |
| Prime farmland if drained        | 992.7   | 17.76%  |
| Prime farmland if protected      | 0.0     | 0.00%   |
| Water                            | 11.9    | 0.21%   |
|                                  | 5,591.3 | 100.00% |

5-17

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 24.6    | 0.91%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 21.9    | 0.81%   |
| Prime farmland if drained        | 12.3    | 0.45%   |
| Prime farmland if protected      | 0.0     | 0.00%   |
| Water                            | 2,645.9 | 97.82%  |
|                                  | 2,704.7 | 100.00% |

5-18

|                                  | Acres   | Percent |
|----------------------------------|---------|---------|
| All areas are prime farmland     | 22.4    | 1.22%   |
| Farmland of statewide importance | 0.0     | 0.00%   |
| Not prime farmland               | 22.3    | 1.22%   |
| Prime farmland if drained        | 0.0     | 0.00%   |
| Prime farmland if protected      | 0.0     | 0.00%   |
| Water                            | 1,786.8 | 97.56%  |
|                                  | 1,831.6 | 100.00% |

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5-19

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 2.7          | 0.12%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 17.2         | 0.80%          |
| Prime farmland if drained        | 7.3          | 0.34%          |
| Prime farmland if protected      | 0.1          | 0.00%          |
| Water                            | 2,123.9      | 98.73%         |
|                                  | 2,151.2      | 100.00%        |

5-20

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.1          | 0.01%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 0.2          | 0.02%          |
| Prime farmland if drained        | 5.5          | 0.40%          |
| Prime farmland if protected      | 6.2          | 0.45%          |
| Water                            | 1,367.4      | 99.13%         |
|                                  | 1,379.5      | 100.00%        |

5-21

|                                  | <b>Acres</b> | <b>Percent</b> |
|----------------------------------|--------------|----------------|
| All areas are prime farmland     | 0.1          | 0.00%          |
| Farmland of statewide importance | 0.0          | 0.00%          |
| Not prime farmland               | 12.7         | 0.45%          |
| Prime farmland if drained        | 18.2         | 0.64%          |
| Prime farmland if protected      | 33.5         | 1.18%          |
| Water                            | 2,763.8      | 97.72%         |
|                                  | 2,828.2      | 100.00%        |

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iv) **Farmland Type & Flooding Frequency in Farmed Lands: Reach 5 Tables**

5-1

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 23.78        | 2.47%          |
| Agriculture, Non-Frequent Flooding     | 0.26         | 0.03%          |
| Non-Agriculture, Frequent Flooding     | 470.99       | 48.95%         |
| Non-Agriculture, Non-Frequent Flooding | 3.62         | 0.38%          |
| Unknown, Frequent Flooding             | 0.00         | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.00         | 0.00%          |
| Water                                  | 463.57       | 48.18%         |
|  | 962.21       | 100.00%        |

5-2

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 64.93        | 2.82%          |
| Agriculture, Non-Frequent Flooding     | 0.98         | 0.04%          |
| Non-Agriculture, Frequent Flooding     | 1730.01      | 75.20%         |
| Non-Agriculture, Non-Frequent Flooding | 42.69        | 1.86%          |
| Unknown, Frequent Flooding             | 0.00         | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.00         | 0.00%          |
| Water                                  | 461.93       | 20.08%         |
|  | 2300.54      | 100.00%        |

5-3

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 9.50         | 0.32%          |
| Agriculture, Non-Frequent Flooding     | 1880.00      | 64.04%         |
| Non-Agriculture, Frequent Flooding     | 186.04       | 6.34%          |
| Non-Agriculture, Non-Frequent Flooding | 713.37       | 24.30%         |
| Unknown, Frequent Flooding             | 0.00         | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.00         | 0.00%          |
| Water                                  | 146.96       | 5.01%          |
|  | 2935.87      | 100.00%        |

5-4

|  | <b>Acres</b> | <b>Percent</b> |
|--|--------------|----------------|
| Agriculture, Frequent Flooding         | 2014.00      | 50.53%         |
| Agriculture, Non-Frequent Flooding     | 863.66       | 21.67%         |
| Non-Agriculture, Frequent Flooding     | 640.44       | 16.07%         |
| Non-Agriculture, Non-Frequent Flooding | 146.96       | 3.69%          |
| Unknown, Frequent Flooding             | 0.00         | 0.00%          |
| Unknown, Non-Frequent Flooding         | 0.00         | 0.00%          |
| Water                                  | 320.74       | 8.05%          |
|  | 3985.82      | 100.00%        |

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5-5

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 7307.05 | 84.99%  |
| Agriculture, Non-Frequent Flooding     | 16.07   | 0.19%   |
| Non-Agriculture, Frequent Flooding     | 1135.72 | 13.21%  |
| Non-Agriculture, Non-Frequent Flooding | 31.33   | 0.36%   |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.00    | 0.00%   |
| Water                                  | 107.31  | 1.25%   |
|  | 8597.48 | 100.00% |

5-6

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 70.17   | 1.22%   |
| Agriculture, Non-Frequent Flooding     | 5174.88 | 89.80%  |
| Non-Agriculture, Frequent Flooding     | 2.18    | 0.04%   |
| Non-Agriculture, Non-Frequent Flooding | 467.14  | 8.11%   |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.00    | 0.00%   |
| Water                                  | 48.46   | 0.84%   |
|  | 5762.83 | 100.00% |

5-7

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 0.00    | 0.00%   |
| Agriculture, Non-Frequent Flooding     | 190.13  | 17.08%  |
| Non-Agriculture, Frequent Flooding     | 80.11   | 7.20%   |
| Non-Agriculture, Non-Frequent Flooding | 692.56  | 62.23%  |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.00    | 0.00%   |
| Water                                  | 150.04  | 13.48%  |
|  | 1112.84 | 100.00% |

5-8

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 311.19  | 10.64%  |
| Agriculture, Non-Frequent Flooding     | 208.39  | 7.13%   |
| Non-Agriculture, Frequent Flooding     | 1390.94 | 47.57%  |
| Non-Agriculture, Non-Frequent Flooding | 92.87   | 3.18%   |
| Unknown, Frequent Flooding             | 22.31   | 0.76%   |
| Unknown, Non-Frequent Flooding         | 9.54    | 0.33%   |
| Water                                  | 888.48  | 30.39%  |
|  | 2923.72 | 100.00% |

5-9

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 1274.22 | 14.25%  |
| Agriculture, Non-Frequent Flooding     | 4916.78 | 54.99%  |
| Non-Agriculture, Frequent Flooding     | 293.46  | 3.28%   |
| Non-Agriculture, Non-Frequent Flooding | 2060.95 | 23.05%  |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.00    | 0.00%   |
| Water                                  | 395.08  | 4.42%   |
|  | 8940.48 | 100.00% |

5-10

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 1241.26 | 43.41%  |
| Agriculture, Non-Frequent Flooding     | 30.42   | 1.06%   |
| Non-Agriculture, Frequent Flooding     | 1235.19 | 43.20%  |
| Non-Agriculture, Non-Frequent Flooding | 155.69  | 5.44%   |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.00    | 0.00%   |
| Water                                  | 196.95  | 6.89%   |
|  | 2859.51 | 100.00% |

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5-11

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 0.00    | 0.00%   |
| Agriculture, Non-Frequent Flooding     | 1627.92 | 71.00%  |
| Non-Agriculture, Frequent Flooding     | 0.00    | 0.00%   |
| Non-Agriculture, Non-Frequent Flooding | 608.85  | 26.55%  |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.00    | 0.00%   |
| Water                                  | 56.04   | 2.44%   |
|  | 2292.81 | 100.00% |

5-12

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 34.53   | 3.31%   |
| Agriculture, Non-Frequent Flooding     | 3.31    | 0.32%   |
| Non-Agriculture, Frequent Flooding     | 670.27  | 64.21%  |
| Non-Agriculture, Non-Frequent Flooding | 9.02    | 0.86%   |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.00    | 0.00%   |
| Water                                  | 326.80  | 31.31%  |
|  | 1043.93 | 100.00% |

5-13

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 708.05  | 29.46%  |
| Agriculture, Non-Frequent Flooding     | 91.72   | 3.82%   |
| Non-Agriculture, Frequent Flooding     | 195.54  | 8.14%   |
| Non-Agriculture, Non-Frequent Flooding | 1279.61 | 53.24%  |
| Unknown, Frequent Flooding             | 7.69    | 0.32%   |
| Unknown, Non-Frequent Flooding         | 28.86   | 1.20%   |
| Water                                  | 92.07   | 3.83%   |
|  | 2403.54 | 100.00% |

5-14

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 708.30  | 12.94%  |
| Agriculture, Non-Frequent Flooding     | 3412.62 | 62.33%  |
| Non-Agriculture, Frequent Flooding     | 769.15  | 14.05%  |
| Non-Agriculture, Non-Frequent Flooding | 551.65  | 10.08%  |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 7.49    | 0.14%   |
| Water                                  | 25.62   | 0.47%   |
|  | 5474.83 | 100.00% |

5-15

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 18.07   | 0.28%   |
| Agriculture, Non-Frequent Flooding     | 2232.43 | 34.86%  |
| Non-Agriculture, Frequent Flooding     | 663.21  | 10.35%  |
| Non-Agriculture, Non-Frequent Flooding | 1503.06 | 23.47%  |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.00    | 0.00%   |
| Water                                  | 1988.04 | 31.04%  |
|  | 6404.81 | 100.00% |

5-16

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 1170.57 | 20.94%  |
| Agriculture, Non-Frequent Flooding     | 2227.24 | 39.83%  |
| Non-Agriculture, Frequent Flooding     | 1616.72 | 28.91%  |
| Non-Agriculture, Non-Frequent Flooding | 495.51  | 8.86%   |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 9.29    | 0.17%   |
| Water                                  | 71.98   | 1.29%   |
|  | 5591.31 | 100.00% |

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5-17

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 0.00    | 0.00%   |
| Agriculture, Non-Frequent Flooding     | 0.47    | 0.02%   |
| Non-Agriculture, Frequent Flooding     | 18.56   | 0.69%   |
| Non-Agriculture, Non-Frequent Flooding | 50.72   | 1.88%   |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.00    | 0.00%   |
| Water                                  | 2634.98 | 97.42%  |
|  | 2704.72 | 100.00% |

5-18

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 0.31    | 0.02%   |
| Agriculture, Non-Frequent Flooding     | 0.00    | 0.00%   |
| Non-Agriculture, Frequent Flooding     | 21.82   | 1.19%   |
| Non-Agriculture, Non-Frequent Flooding | 37.32   | 2.04%   |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.00    | 0.00%   |
| Water                                  | 1772.12 | 96.75%  |
|  | 1831.57 | 100.00% |

5-19

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 0.00    | 0.00%   |
| Agriculture, Non-Frequent Flooding     | 0.00    | 0.00%   |
| Non-Agriculture, Frequent Flooding     | 16.34   | 0.76%   |
| Non-Agriculture, Non-Frequent Flooding | 24.67   | 1.15%   |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.00    | 0.00%   |
| Water                                  | 2110.19 | 98.09%  |
|  | 2151.21 | 100.00% |

5-20

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 0.00    | 0.00%   |
| Agriculture, Non-Frequent Flooding     | 0.00    | 0.00%   |
| Non-Agriculture, Frequent Flooding     | 6.06    | 0.44%   |
| Non-Agriculture, Non-Frequent Flooding | 20.57   | 1.49%   |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.00    | 0.00%   |
| Water                                  | 1352.86 | 98.07%  |
|  | 1379.49 | 100.00% |

5-21

|  | Acres   | Percent |
|--|---------|---------|
| Agriculture, Frequent Flooding         | 0.00    | 0.00%   |
| Agriculture, Non-Frequent Flooding     | 0.00    | 0.00%   |
| Non-Agriculture, Frequent Flooding     | 30.65   | 1.08%   |
| Non-Agriculture, Non-Frequent Flooding | 46.39   | 1.64%   |
| Unknown, Frequent Flooding             | 0.00    | 0.00%   |
| Unknown, Non-Frequent Flooding         | 0.07    | 0.00%   |
| Water                                  | 2751.12 | 97.27%  |
|  | 2828.23 | 100.00% |

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v) **Public Lands: Reach 5 Tables**

| Sub Area     | Acres          |
|--------------|----------------|
| 5-1          | 0.0            |
| 5-2          | 0.0            |
| 5-3          | 311.8          |
| 5-4          | 18.7           |
| 5-5          | 0.0            |
| 5-6          | 0.0            |
| 5-7          | 59.1           |
| 5-8          | 0.0            |
| 5-9          | 877.6          |
| 5-10         | 1.6            |
| 5-11         | 0.0            |
| 5-12         | 0.0            |
| 5-13         | 0.0            |
| 5-14         | 139.1          |
| 5-15         | 4,601.1        |
| 5-16         | 2,608.4        |
| 5-17         | 0.0            |
| 5-18         | 7.5            |
| 5-19         | 14.9           |
| 5-20         | 11.3           |
| 5-21         | 0.3            |
| <b>Total</b> | <b>8,651.4</b> |

vi) **Wetlands Reserve Program: Reach 5 Tables**

| Sub Area     | Acres          |
|--------------|----------------|
| 5-1          | 0.0            |
| 5-2          | 8.9            |
| 5-3          | 0.0            |
| 5-4          | 303.1          |
| 5-5          | 0.0            |
| 5-6          | 53.8           |
| 5-7          | 634.2          |
| 5-8          | 84.3           |
| 5-9          | 0.0            |
| 5-10         | 0.0            |
| 5-11         | 0.0            |
| 5-12         | 0.0            |
| 5-13         | 0.0            |
| 5-14         | 163.8          |
| 5-15         | 0.0            |
| 5-16         | 339.6          |
| 5-17         | 0.0            |
| 5-18         | 0.0            |
| 5-19         | 0.0            |
| 5-20         | 7.4            |
| 5-21         | 0.0            |
| <b>Total</b> | <b>1,595.0</b> |