## Table 1. Wetland Evaluation, Hudson, NH, Functional Value Index and Wetland Value Unit Summary

*A summary of the evaluation data is presented in this table. The Functional Value Index (FVI) is the average score of each evaluation parameter for each function, as detailed in Table 2. Wetland Value Units (WVU) represent the total value of a wetland system for a specific function. This measurement is calculated by multiplying the FVI by the Evaluation Area. In some cases, the evaluation area is the entire wetland, while in other cases, it is only a portion.*

| | Wetland 1B - Chase Brook Swamp | Wetland 2D - Boyd Road Swamp | Wetland 5A - Robinson Pond Wetlands | Wetland 5B - Robinson Pond Wetlands | Wetland 8 - Glover Brook Swamp | Wetland 10 - Town Forest Red Maple Swamp | Wetland 11 - Little Ottarnic Pond Swamp | Wetland 12A - Ottarnic Pond Wetlands | Wetland 12B - Ottarnic Pond Wetlands | Wetland 14A Merril Brook Swamp | Wetland 14B Benson's Vicinity | Wetland 14C Benson's Vicinity | Wetland 15A - Bush Hill Ponds | Wetland 15D - Bush Hill Ponds | Wetland 17A - Miles Swamp | Wetland 17B - Miles Swamp | Wetland 18 - Limit Brook Swamp | Wetland 18B - Limit Brook Swamp | Wetland 20C - Musquash Pond Swamp complex | Wetland 20D - Musquash Pond Swamp complex | Wetland 20E - Musquash Pond Swamp complex | Wetland 21B - Ayers Pond Swamp | Wetland 23/24 - Heron Pond Marsh |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Wetland Area** | 66.3 | 8.1 | 35.1 | 1.8 | 35.0 | 20.3 | 46.2 | 47.5 | 41.0 | 19.9 | 1.1 | 3.3 | 12.5 | 2.8 | 107.9 | 7.1 | 17.3 | 23.4 | 19.8 | 19.2 | 8.4 | 6.9 | 18.6 |
| **WVU SUMMARY** | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Ecological Integrity | 63.5 | 7.8 | 29.3 | 1.0 | 27.7 | 16.9 | 34.7 | 28.5 | 34.2 | 17.6 | 1.0 | 3.0 | 10.4 | 2.6 | 89.9 | 5.9 | 15.1 | 20.5 | 17.3 | 16.2 | 7.1 | 5.2 | 16.4 |
| 2. Wetland Wildlife Habitat | 53.4 | 5.1 | 29.6 | 1.0 | 32.5 | 16.1 | 36.3 | 36.6 | 32.1 | 18.7 | 0.6 | 1.9 | 8.3 | 2.0 | 96.4 | 5.0 | 15.4 | 21.9 | 14.0 | 14.5 | 7.0 | 4.1 | 16.5 |
| 3. Finfish Habitat: Part A - Rivers and Streams | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 3. Finfish Habitat: Part B - Ponds and Lakes | 0.0 | 0.0 | 32.2 | 0.0 | 4.3 | 9.5 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 1.1 | 17.9 | 0.0 | 0.3 | 0.0 | 0.0 | 15.0 | 31.2 | 0.0 | 9.6 |
| 4. Educational Potential | 3.3 | 0.7 | 7.9 | 0.7 | 23.5 | 12.2 | 25.4 | 25.5 | 32.2 | 13.5 | 0.5 | 1.4 | 6.5 | 1.5 | 76.6 | 4.0 | 11.9 | 14.6 | 11.2 | 14.2 | 5.7 | 3.7 | 11.4 |
| 5. Visual Aesthetic Quality | 1.6 | 0.6 | 2.8 | 0.0 | 0.0 | 14.2 | 4.1 | 0.0 | 15.6 | 4.3 | 2.2 | 0.7 | 9.7 | 2.2 | 4.9 | 3.5 | 8.5 | 10.2 | 17.2 | 16.6 | 2.8 | 2.6 | 5.9 |
| 6. Water-based Recreation | 43.9 | 3.2 | 16.2 | 0.5 | 0.8 | 13.4 | 0.8 | 1.9 | 1.9 | 0.0 | 1.4 | 0.5 | 7.2 | 1.7 | 74.3 | 3.1 | 10.9 | 14.9 | 9.8 | 14.0 | 3.7 | 3.3 | 10.9 |
| 7. Flood Control Potential | 53.0 | 2.4 | 31.6 | 0.5 | 31.5 | 14.2 | 41.6 | 47.5 | 41.0 | 19.9 | 0.4 | 1.3 | 8.8 | 0.3 | 107.9 | 5.0 | 16.4 | 22.9 | 5.9 | 7.7 | 0.8 | 1.4 | 10.2 |
| 8. Ground Water Use Potential | 58.0 | 7.1 | 30.7 | 1.1 | 30.6 | 0.0 | 34.7 | 41.6 | 35.9 | 14.9 | 0.0 | 2.1 | 8.1 | 2.1 | 94.4 | 6.2 | 15.1 | 20.5 | 14.9 | 12.0 | 7.4 | 6.0 | 16.3 |
| 9. Sediment Trapping: Part A | 33.2 | 2.4 | 10.5 | 0.5 | 10.5 | 2.0 | 13.9 | 23.8 | 30.8 | 10.9 | 0.3 | 1.0 | 3.8 | 1.5 | 54.0 | 3.9 | 5.2 | 7.0 | 10.9 | 10.6 | 2.5 | 2.1 | 5.6 |
| 9. Sediment Trapping: Part B | 50.4 | 1.5 | 26.0 | 0.6 | 25.9 | 11.4 | 34.2 | 38.0 | 34.9 | 10.9 | 0.3 | 0.9 | 3.3 | 0.8 | 97.1 | 5.3 | 13.0 | 15.8 | 11.7 | 11.7 | 4.0 | 4.1 | 14.3 |
| 10. Nutrient Attenuation: Part A | 19.9 | 5.3 | 14.0 | 0.4 | 14.0 | 6.1 | 30.0 | 14.3 | 17.4 | 6.5 | 0.2 | 0.7 | 5.0 | 0.9 | 54.0 | 3.7 | 11.2 | 4.7 | 10.4 | 6.2 | 3.4 | 1.4 | 12.1 |
| 10. Nutrient Attenuation: Part B | 50.4 | 1.5 | 26.0 | 0.6 | 25.9 | 11.4 | 34.2 | 38.0 | 34.9 | 10.9 | 0.3 | 0.9 | 3.3 | 0.8 | 97.1 | 5.3 | 13.0 | 15.8 | 11.7 | 11.7 | 4.0 | 4.1 | 14.3 |
| 11. Shoreline Anchoring and Dissipation of Erosive Forces | 0.9 | 0.0 | 0.4 | 0.0 | 0.1 | 0.5 | 0.2 | 0.2 | 0.3 | 0.3 | 0.0 | 0.0 | 0.5 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.4 | 0.5 | 0.7 | 0.4 | 0.4 |
| 12. Urban Quality of Life (Not evaluated, not included in WVU Sum | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| 12. Urban Quality of Life: A. Presence of an Urban Setting | 19.9 | 2.4 | 17.6 | 0.9 | 26.3 | 6.1 | 34.7 | 47.5 | 30.8 | 2.0 | 0.1 | 0.3 | 6.3 | 0.3 | 80.9 | 2.1 | 5.2 | 7.0 | 9.9 | 1.9 | 2.5 | 2.1 | 5.6 |
| 12. Urban Quality of Life: B. Wetland Wildlife Habitat | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. Urban Quality of Life: C. Educational Opportunity | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. Urban Quality of Life: D. Visual/Aesthetic Quality | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. Urban Quality of Life: E. Water-based Recreation | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. Historical Site Potential | 18.2 | 4.3 | 19.3 | 0.1 | 18.4 | 1.0 | 25.4 | 13.1 | 11.3 | 5.5 | 0.3 | 1.0 | 6.9 | 0.1 | 78.3 | 5.5 | 9.1 | 18.1 | 5.4 | 10.1 | 4.4 | 3.6 | 14.4 |
| 14. Noteworthiness | 66.3 | 0.0 | 35.1 | 1.8 | 35.0 | 0.0 | 46.2 | 47.5 | 41.0 | 0.0 | 1.1 | 3.3 | 0.0 | 2.8 | 107.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.4 | 0.0 | 0.0 |
| **WVU SUM** | **465.0** | **34.0** | **287.0** | **7.8** | **256.2** | **120.8** | **318.6** | **319.4** | **316.2** | **117.0** | **8.3** | **17.0** | **79.6** | **18.0** | **942.8** | **48.8** | **128.8** | **175.5** | **119.7** | **144.0** | **87.2** | **38.8** | **140.7** |
| **FVI SUMMARY** | | | | | | | | | | | | | | | | | | | | | | | |
| 1. Ecological Integrity | 0.96 | 0.96 | 0.83 | 0.55 | 0.79 | 0.83 | 0.75 | 0.60 | 0.83 | 0.88 | 0.93 | 0.92 | 0.83 | 0.92 | 0.83 | 0.83 | 0.88 | 0.88 | 0.88 | 0.84 | 0.84 | 0.76 | 0.88 |
| 2. Wetland Wildlife Habitat | 0.81 | 0.63 | 0.84 | 0.55 | 0.93 | 0.79 | 0.79 | 0.77 | 0.78 | 0.94 | 0.58 | 0.58 | 0.66 | 0.72 | 0.89 | 0.70 | 0.89 | 0.94 | 0.71 | 0.75 | 0.83 | 0.60 | 0.89 |
| 3. Finfish Habitat: Part A - Rivers and Streams | 0.59 | 0.00 | 0.00 | 0.00 | 0.06 | 0.13 | 0.19 | 0.53 | 0.70 | 0.48 | 0.24 | 0.19 | 0.19 | 0.25 | 0.81 | 0.88 | 0.25 | 0.70 | 0.55 | 0.25 | 0.19 | 0.65 | 0.13 |
| 3. Finfish Habitat: Part B - Ponds and Lakes | 0.00 | 0.00 | 0.92 | 0.00 | 0.62 | 0.47 | 0.75 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.53 | 0.40 | 0.45 | 0.00 | 0.62 | 0.33 | 0.00 | 0.83 | 0.60 | 0.00 | 0.83 |
| 4. Educational Potential | 0.65 | 0.46 | 0.53 | 0.42 | 0.67 | 0.60 | 0.55 | 0.54 | 0.79 | 0.68 | 0.42 | 0.42 | 0.52 | 0.54 | 0.71 | 0.56 | 0.69 | 0.62 | 0.57 | 0.74 | 0.68 | 0.54 | 0.61 |
| 5. Visual Aesthetic Quality | 0.79 | 0.59 | 0.93 | 0.56 | 0.84 | 0.79 | 0.83 | 0.78 | 0.78 | 0.85 | 0.68 | 0.68 | 0.78 | 0.78 | 0.99 | 0.87 | 0.85 | 0.85 | 0.87 | 0.98 | 0.93 | 0.81 | 0.59 |
| 6. Water-based Recreation | 0.66 | 0.39 | 0.73 | 0.28 | 0.56 | 0.66 | 0.54 | 0.64 | 0.65 | 0.62 | 0.43 | 0.43 | 0.58 | 0.60 | 0.74 | 0.43 | 0.63 | 0.64 | 0.50 | 0.73 | 0.57 | 0.48 | 0.58 |
| 7. Flood Control Potential | 0.80 | 0.30 | 0.90 | 0.30 | 0.90 | 0.70 | 0.90 | 1.00 | 1.00 | 1.00 | 0.40 | 0.40 | 0.70 | 0.10 | 1.00 | 0.70 | 0.95 | 0.98 | 0.30 | 0.40 | 0.10 | 0.20 | 0.55 |
| 8. Ground Water Use Potential | 0.88 | 0.88 | 0.88 | 0.65 | 0.88 | 0.00 | 0.75 | 0.88 | 0.88 | 0.75 | 0.00 | 0.63 | 0.65 | 0.75 | 0.88 | 0.88 | 0.88 | 0.88 | 0.75 | 0.63 | 0.88 | 0.88 | 0.88 |
| 9. Sediment Trapping: Part A | 0.50 | 0.30 | 0.30 | 0.30 | 0.30 | 0.10 | 0.30 | 0.50 | 0.75 | 0.55 | 0.30 | 0.30 | 0.30 | 0.55 | 0.50 | 0.55 | 0.30 | 0.30 | 0.55 | 0.55 | 0.30 | 0.30 | 0.30 |
| 9. Sediment Trapping: Part B | 0.76 | 0.18 | 0.74 | 0.34 | 0.74 | 0.56 | 0.74 | 0.80 | 0.85 | 0.55 | 0.26 | 0.26 | 0.26 | 0.27 | 0.90 | 0.75 | 0.75 | 0.68 | 0.59 | 0.61 | 0.48 | 0.60 | 0.77 |
| 10. Nutrient Attenuation: Part A | 0.30 | 0.65 | 0.40 | 0.20 | 0.40 | 0.30 | 0.65 | 0.30 | 0.43 | 0.33 | 0.20 | 0.20 | 0.40 | 0.33 | 0.50 | 0.53 | 0.65 | 0.20 | 0.53 | 0.33 | 0.40 | 0.20 | 0.65 |
| 10. Nutrient Attenuation: Part B | 0.54 | 0.48 | 0.55 | 0.51 | 0.66 | 0.59 | 0.72 | 0.78 | 0.69 | 0.59 | 0.39 | 0.39 | 0.54 | 0.52 | 0.85 | 0.69 | 0.63 | 0.49 | 0.55 | 0.73 | 0.60 | 0.58 | 0.86 |
| 11. Shoreline Anchoring and Dissipation of Erosive Forces | 1.00 | 0.53 | 0.83 | 0.00 | 0.67 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.00 | 0.00 | 0.67 | 0.83 | 0.67 | 0.83 | 1.00 | 1.00 | 1.00 | 0.83 | 1.00 | 0.83 | 1.00 |
| 12. Urban Quality of Life (Not evaluated, not included in FVI Average | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 |
| 12. Urban Quality of Life: A. Presence of an Urban Setting | 0.30 | 0.30 | 0.50 | 0.50 | 0.75 | 0.30 | 0.75 | 1.00 | 0.75 | 0.10 | 0.10 | 0.10 | 0.50 | 0.10 | 0.75 | 0.30 | 0.30 | 0.30 | 0.50 | 0.10 | 0.30 | 0.30 | 0.30 |
| 12. Urban Quality of Life: B. Wetland Wildlife Habitat | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12. Urban Quality of Life: C. Educational Opportunity | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12. Urban Quality of Life: D. Visual/Aesthetic Quality | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12. Urban Quality of Life: E. Water-based Recreation | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13. Historical Site Potential | 0.28 | 0.53 | 0.55 | 0.05 | 0.53 | 0.05 | 0.55 | 0.28 | 0.28 | 0.28 | 0.30 | 0.30 | 0.55 | 0.05 | 0.78 | 0.78 | 0.53 | 0.78 | 0.28 | 0.53 | 0.53 | 0.53 | 0.78 |
| 14. Noteworthiness | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| **FVI AVERAGE** | **0.69** | **0.42** | **0.73** | **0.37** | **0.70** | **0.50** | **0.71** | **0.67** | **0.72** | **0.60** | **0.42** | **0.44** | **0.53** | **0.55** | **0.82** | **0.64** | **0.68** | **0.70** | **0.54** | **0.63** | **0.66** | **0.53** | **0.67** |

# Table 2. Wetland Evaluation, Hudson, NH, Functional Value Scoring Detail.

Notes: The scores for each evaluation question/parameter are presented in these tables. For each parameter, a score of 0.1, 0.5, or 1.0 is assigned following the NH Method. More detail on the evaluation technique can be found in the publication "Method for the Comparative Evaluation of Nontidal Wetlands in NH," March 1991.

| | Wetland 1B - Chase Brook Swamp | Wetland 2D - Boyd Road Swamp | 5A - Robinson Pond Wetlands | 5B - Robinson Pond Wetlands | Wetland 8 - Glover Brook Swamp | Wetland 10 - Town Forest Red Maple Swamp | Wetland 11 - Little Ottarnic Pond Swamp | Wetland 12A - Ottarnic Pond Wetlands | Wetland 12B - Ottarnic Pond Wetlands | Wetland 14A Merril Brook Swamp | Wetland 14B Benson's Vicinity | Wetland 14C Benson's Vicinity | Wetland 15A - Bush Hill Ponds | Wetland 15D - Bush Hill Ponds | Wetland 17A - Miles Swamp | Wetland 17B - Miles Swamp | Wetland 18 - Limit Brook Swamp | Wetland 18B - Limit Brook Swamp | Wetland 20C - Musquash Pond Swamp complex | 20D - Musquash Pond Swamp | - Musquash Pond Swamp complex | Wetland 21B - Ayers Pond Swamp | Wetland 23/24 - Heron Pond Marsh |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WL 1B | WL 2D | WL 5A | WL 5B | WL 8 | WL 10 | WL 11 | WL 12A | WL 12B | WL 14A | WL 14B | WL 14C | WL 15A | WL 15D | WL 17A | WL 17B | WL 18A | WL 18B | WL 20C | WL 20D | WL 20E | WL 21B | WL 23/24 |
| **Functional Value 1. Ecological Integrity** | | | | | | | | | | | | | | | | | | | | | | | |
| Percent hydric soils and/or open water | 1.00 | 1.00 | 1.00 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.10 | 0.10 | 0.50 | 0.10 |
| Dominant Land use zoning | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Water quality of stream, pond or lake | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Ratio of occupied buildings w/in 500 ft to total wetland area | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.10 | 0.50 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 |
| Percent original wetland filled | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Percent wooded buffer > 500 ft wide | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.10 | 0.50 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 0.10 | 1.00 |
| Level of human activity within wetland | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Level of human activity in upland | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 0.50 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 0.50 | 1.00 |
| Percent of wetland plant community being altered | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Percent of wetland being actively drained | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Number of public road/rail crossings | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Long term stability | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 |
| **Average (FVI)** | 0.96 | 0.96 | 0.83 | 0.55 | 0.79 | 0.83 | 0.75 | 0.60 | 0.83 | 0.88 | 0.93 | 0.92 | 0.83 | 0.92 | 0.83 | 0.83 | 0.88 | 0.88 | 0.88 | 0.84 | 0.84 | 0.76 | 0.88 |
| **Evaluation Area (Total wetland area)** | 66.3 | 8.1 | 35.1 | 1.8 | 35.0 | 20.3 | 46.2 | 47.5 | 41.0 | 19.9 | 1.1 | 3.3 | 12.5 | 2.8 | 107.9 | 7.1 | 17.3 | 23.4 | 19.8 | 19.2 | 8.4 | 6.9 | 18.6 |
| **Functional Value 2. Wetland Wildlife Habitat** | | | | | | | | | | | | | | | | | | | | | | | |
| Ecological Integrity FVI | 0.96 | 0.96 | 0.83 | 0.55 | 0.79 | 0.83 | 0.75 | 0.60 | 0.83 | 0.88 | 0.93 | 0.92 | 0.83 | 0.92 | 0.83 | 0.83 | 0.88 | 0.88 | 0.88 | 0.84 | 0.84 | 0.76 | 0.88 |
| Area of shallow permanent open water | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.10 | 0.10 | 0.10 | 1.00 | 0.10 | 0.10 | 1.00 | 0.50 | 0.10 | 0.50 | 0.50 | 0.50 | 0.50 |
| Water quality of stream, pond or lake | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 |
| Wetland diversity | 1.00 | 0.50 | 1.00 | 0.10 | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Dominant wetland class | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 0.10 | 0.10 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 |
| Interspersion of vegetation classes and/or open water | 1.00 | 0.10 | 0.50 | 0.10 | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 0.10 | 0.10 | 0.10 | 0.10 | 1.00 | 0.50 | 0.50 | 1.00 | 0.50 | 0.10 | 1.00 | 1.00 | 0.50 |
| Wetland juxtaposition | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Number of upland islands/inclusions | 0.50 | 0.10 | 1.00 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.10 | 0.10 | 0.10 | 0.10 | 1.00 | 0.10 | 0.50 | 1.00 | 0.10 | 0.10 | 0.50 | 0.10 | 1.00 |
| Wildlife access to other wetlands | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Percent of wetland bordered by upland wildlife habitat | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 0.50 | 0.10 | 1.00 |
| **Average (FVI)** | 0.81 | 0.63 | 0.84 | 0.55 | 0.93 | 0.79 | 0.79 | 0.77 | 0.78 | 0.94 | 0.58 | 0.58 | 0.66 | 0.72 | 0.89 | 0.70 | 0.89 | 0.94 | 0.71 | 0.75 | 0.83 | 0.60 | 0.89 |
| **Evaluation Area (Total wetland area)** | 66.3 | 8.1 | 35.1 | 1.8 | 35.0 | 20.3 | 46.2 | 47.5 | 41.0 | 19.9 | 1.1 | 3.3 | 12.5 | 2.8 | 107.9 | 7.1 | 17.3 | 23.4 | 19.8 | 19.2 | 8.4 | 6.9 | 18.6 |
| **Functional Value 3. Finfish Habitat** | | | | | | | | | | | | | | | | | | | | | | | |
| **Part A - Rivers and Streams** | | | | | N/A | N/A | | | | | | | | | | | | | | | | | |
| Dominant land use in watershed | 0.50 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.50 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.10 | 1.00 |
| Water quality of stream | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 |
| Anadromous fish barriers | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 1.00 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 |
| Stream width | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.50 | 0.10 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.00 | 0.50 | 0.10 | 0.00 | 0.00 | 0.50 | 0.00 |
| Available shade | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.50 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.00 | 0.50 | 0.10 | 0.00 | 0.00 | 1.00 | 0.00 |
| Physical character of stream channel | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 |
| Abundance of cover objects | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.50 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.50 | 0.10 | 0.00 | 0.00 | 0.50 | 0.00 |
| Spawning areas | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 1.00 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.00 | 0.10 | 0.00 |
| **Average - Part A** | 0.59 | 0.00 | 0.00 | 0.00 | 0.06 | 0.13 | 0.19 | 0.53 | 0.70 | 0.48 | 0.24 | 0.19 | 0.19 | 0.25 | 0.81 | 0.88 | 0.25 | 0.70 | 0.55 | 0.25 | 0.19 | 0.65 | 0.13 |
| **Evaluation Area (ac)** | 3.4 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 1.5 | 1.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.10 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| **Part B - Ponds and Lakes** | | | Robinson Pond | | | | | N/A | N/A | | | | | | | | | | | | | | |
| Dominant land use in watershed | 0.00 | 0.00 | 0.50 | 0.00 | 0.50 | 0.50 | 0.50 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.50 | 1.00 | 0.50 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.50 | 0.00 | 1.00 |
| Water quality of pond or lake | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 |
| Anadromous fish barriers | 0.00 | 0.00 | 1.00 | 0.00 | 0.10 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.10 | 0.10 | 0.00 | 1.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 |
| Total area of pond or lake, incl. sub/emergent vegetation | 0.00 | 0.00 | 1.00 | 0.00 | 0.10 | 0.10 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.10 | 0.50 | 0.00 | 0.10 | 0.00 | 0.00 | 0.50 | 0.50 | 0.00 | 0.50 |
| Abundance of cover objects | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 0.10 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.10 | 0.50 | 0.00 | 0.50 | 0.00 | 0.00 | 0.50 | 0.50 | 0.00 | 0.50 |
| Percent having sub/emergent vegetation | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 0.10 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.10 | 0.10 | 0.00 | 0.10 | 0.00 | 0.00 | 1.00 | 0.10 | 0.00 | 1.00 |
| **Average - Part B** | 0.00 | 0.00 | 0.92 | 0.00 | 0.62 | 0.47 | 0.75 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.53 | 0.40 | 0.45 | 0.00 | 0.62 | 0.33 | 0.00 | 0.83 | 0.60 | 0.00 | 0.83 |
| **Evaluation Area (ac)** | 0.0 | 0.0 | 35.1 | 0.0 | 7.0 | 20.3 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 | 2.8 | 39.7 | 0.0 | 0.5 | 0.0 | 0.0 | 18.0 | 52.0 | 0.0 | 11.5 |
| **Functional Value 4. Educational Potential** | | | | | | | | | | | | | | | | | | | | | | | |
| Location of potential educational site: | | | | | | | | | | | | | | | | | | | | | | | |
| Ecological Integrity FVI | 0.96 | 0.96 | 0.83 | 0.55 | 0.79 | 0.83 | 0.75 | 0.60 | 0.83 | 0.88 | 0.93 | 0.92 | 0.83 | 0.92 | 0.83 | 0.83 | 0.88 | 0.88 | 0.88 | 0.84 | 0.84 | 0.76 | 0.88 |
| Wetland Wildlife Habitat FVI | 0.81 | 0.63 | 0.84 | 0.55 | 0.93 | 0.79 | 0.79 | 0.77 | 0.78 | 0.94 | 0.58 | 0.58 | 0.66 | 0.72 | 0.89 | 0.70 | 0.89 | 0.94 | 0.71 | 0.75 | 0.83 | 0.60 | 0.89 |
| Proximity of potential educational site to schools | 0.50 | 0.10 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Presence of a nature preserve or wildlife management area | 0.50 | 0.10 | 0.50 | 0.10 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Proximity of educational site to other plant communities | 1.00 | 0.10 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 0.10 | 1.00 | 1.00 | 0.10 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 0.10 | 0.10 | 1.00 | 1.00 | 1.00 | 0.10 | 0.10 |
| Off-road parking suitable for bus | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 0.10 | 0.50 | 0.50 | 1.00 | 1.00 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 0.10 | 0.50 | 1.00 | 1.00 | 1.00 |
| Number of wetland classes accessible | 1.00 | 0.50 | 1.00 | 0.50 | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 |
| Access to perennial stream | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.10 | 0.10 | 1.00 | 1.00 | 1.00 | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 1.00 | 1.00 | 0.10 | 1.00 | 0.10 | 0.10 | 0.10 |
| Access to pond or lake | 0.10 | 0.00 | 1.00 | 0.10 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 0.00 | 0.10 | 0.10 | 0.10 | 1.00 | 0.50 | 0.10 | 0.50 | 0.10 | 0.10 | 0.50 | 1.00 | 0.50 | 0.50 |
| Student safety | 1.00 | 1.00 | 0.50 | 0.10 | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Public access to educational site | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.10 | 1.00 | 0.50 | 0.50 | 0.50 | 0.10 | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 |
| Visual/aesthetic quality of potential educational site | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Handicap accessibility | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Average (FVI)** | 0.65 | 0.46 | 0.53 | 0.42 | 0.67 | 0.60 | 0.55 | 0.54 | 0.79 | 0.68 | 0.42 | 0.42 | 0.52 | 0.54 | 0.71 | 0.56 | 0.69 | 0.62 | 0.57 | 0.74 | 0.68 | 0.54 | 0.61 |
| **Area of potential educational site** | 5.0 | 1.5 | 15.0 | 1.8 | 35.0 | 20.3 | 46.2 | 47.5 | 41.0 | 19.9 | 1.1 | 3.3 | 12.5 | 2.8 | 107.9 | 7.1 | 17.3 | 23.4 | 19.8 | 19.2 | 8.4 | 6.9 | 18.6 |

# Table 2. Wetland Evaluation, Hudson, NH, Functional Value Scoring Detail.

Notes: The scores for each evaluation question/parameter are presented in these tables. For each parameter, a score of 0.1, 0.5, or 1.0 is assigned following the NH Method. More detail on the evaluation technique can be found in the publication "Method for the Comparative Evaluation of Nontidal Wetlands in NH," March 1991.

| | Wetland 1B - Chase Brook Swamp | Wetland 2D - Boyd Road Swamp | 5A - Robinson Pond Wetlands | 5B - Robinson Pond Wetlands | Wetland 8 - Glover Brook Swamp | Wetland 10 - Town Forest Red Maple Swamp | Wetland 11 - Little Ottarnic Pond Swamp | Wetland 12A - Ottarnic Pond Wetlands | Wetland 12B - Ottarnic Pond Wetlands | Wetland 14A Merril Brook Swamp | Wetland 14B Benson's Vicinity | Wetland 14C Benson's Vicinity | Wetland 15A - Bush Hill Ponds | Wetland 15D - Bush Hill Ponds | Wetland 17A - Miles Swamp | Wetland 17B - Miles Swamp | Wetland 18 - Limit Brook Swamp | Wetland 18B - Limit Brook Swamp | Wetland 20C - Musquash Pond Swamp complex | 20D - Musquash Pond Swamp | - Musquash Pond Swamp complex | Wetland 21B - Ayers Pond Swamp | Wetland 23/24 - Heron Pond Marsh |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Functional Value 5. Visual/Aesthetic Quality** | | | | | | | | | | | | | | | | | | | | | | | |
| Number wetland classes visible from primary viewing location(s) | 1.00 | 0.50 | 1.00 | 0.50 | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 |
| Dominant wetland class visible | 1.00 | 0.10 | 1.00 | 1.00 | 1.00 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 0.10 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Noise level | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Odors | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Extent of visible open water | 0.10 | 0.10 | 1.00 | 0.10 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 1.00 | 0.50 | 0.10 | 0.10 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 |
| General appearance of the wetland and surrounding land use | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 |
| Landform contrast | 1.00 | 0.10 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 |
| Dominant surrounding land use | 0.50 | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 0.50 | 0.50 | 0.00 |
| Percent of flowering trees/shrubs of autumnal foliage | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.00 |
| Wetland Wildlife Habitat (FVI) | 0.81 | 0.63 | 0.84 | 0.55 | 0.93 | 0.79 | 0.79 | 0.77 | 0.78 | 0.94 | 0.58 | 0.58 | 0.66 | 0.72 | 0.89 | 0.70 | 0.89 | 0.94 | 0.71 | 0.75 | 0.83 | 0.60 | 0.89 |
| **Average (FVI)** | 0.79 | 0.59 | 0.93 | 0.56 | 0.84 | 0.79 | 0.83 | 0.78 | 0.78 | 0.85 | 0.68 | 0.68 | 0.78 | 0.78 | 0.99 | 0.87 | 0.85 | 0.85 | 0.87 | 0.98 | 0.93 | 0.81 | 0.59 |
| **Wetland area visible from primary viewing location(s)** | 2.0 | 1.0 | 3.0 | 0.0 | 0.0 | 18.0 | 5.0 | 0.0 | 20.0 | 5.0 | 3.3 | 1.1 | 12.5 | 2.8 | 5.0 | 4.0 | 10.0 | 12.0 | 19.8 | 17.0 | 3.0 | 3.3 | 10.00 |
| **Functional Value 6. Water-based Recreation** | | | | | | | | | | | | | | | | | | | | | | | |
| Evaluation Area(s) | N/A | N/A | Robinson Pond | N/A | | | | | | | | | | | | | | | | | | | |
| Fishing | 1.00 | 0.10 | 1.00 | 0.00 | 0.50 | 0.10 | 0.10 | 0.50 | 0.50 | 0.10 | 0.10 | 0.10 | 0.50 | 0.10 | 0.50 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| Hunting | 1.00 | 0.50 | 0.10 | 0.00 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 0.10 | 0.10 | 0.50 |
| Wildlife observation | 0.81 | 0.63 | 0.84 | 0.55 | 0.93 | 0.79 | 0.79 | 0.77 | 0.78 | 0.94 | 0.58 | 0.58 | 0.66 | 0.72 | 0.89 | 0.70 | 0.89 | 0.94 | 0.71 | 0.75 | 0.83 | 0.60 | 0.89 |
| Water quality of the stream, pond or lake | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Canoe and boat passage | 0.50 | 0.10 | 0.50 | 0.00 | 0.10 | 1.00 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.10 | 0.10 | 0.10 | 0.10 | 1.00 | 0.10 | 0.10 | 1.00 |
| Off-road public parking | 0.10 | 0.10 | 0.50 | 0.00 | 0.50 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 0.00 | 0.00 | 0.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 0.10 | 0.50 | 1.00 | 1.00 | 0.50 |
| Access to water | 0.10 | 0.10 | 1.00 | 0.10 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.10 | 0.50 | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.10 | 0.10 |
| Visual/Aesthetic Quality (FVI) | 0.79 | 0.59 | 0.93 | 0.56 | 0.84 | 0.79 | 0.83 | 0.78 | 0.78 | 0.85 | 0.68 | 0.68 | 0.78 | 0.78 | 0.99 | 0.87 | 0.85 | 0.85 | 0.87 | 0.98 | 0.93 | 0.81 | 0.59 |
| **Average (FVI)** | 0.66 | 0.39 | 0.73 | 0.28 | 0.56 | 0.66 | 0.54 | 0.64 | 0.65 | 0.62 | 0.43 | 0.43 | 0.58 | 0.60 | 0.74 | 0.43 | 0.63 | 0.64 | 0.50 | 0.73 | 0.57 | 0.48 | 0.58 |
| **Area of wetland evaluated for water-based recreation** | 66.3 | 8.1 | 22.0 | 1.8 | 1.5 | 20.3 | 1.4 | 3.0 | 3.0 | 0.0 | 3.3 | 1.1 | 12.5 | 2.8 | 101.0 | 7.1 | 17.3 | 23.4 | 19.8 | 19.2 | 6.5 | 6.9 | 18.6 |
| **Functional Value 7. Flood Control Potential** | | | | | | | | | | | | | | | | | | | | | | | |
| Wetland area (ac) | 66.30 | 8.10 | 35.10 | 1.75 | 35.00 | 20.30 | 46.20 | 47.50 | 41.00 | 19.90 | 1.10 | 3.30 | 12.50 | 2.80 | 107.90 | 7.10 | 17.30 | 23.40 | 19.80 | 19.20 | 8.40 | 6.90 | 18.60 |
| Watershed area (ac) | 1501.00 | 19.40 | 302.00 | 4.00 | 276.00 | 32.00 | 84.70 | 1172.00 | 924.00 | 85.60 | 2.10 | 36.00 | 19.60 | 4.90 | 1198.50 | 650.00 | 306.00 | 445.50 | 422.00 | 705.00 | 1932.00 | 3336.00 | 327.00 |
| Wetland control length | 70.00 | 50.00 | 100.00 | 10.00 | 100.00 | 20.00 | 25.00 | 4.00 | 4.00 | 6.00 | 3.00 | 20.00 | 10.00 | 20.00 | 100.00 | 15.00 | 30.00 | 15.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| Watershed Area:Wetland Area | 22.64 | 2.40 | 8.60 | 2.29 | 7.89 | 1.58 | 1.83 | 24.67 | 22.54 | 4.30 | 1.91 | 10.91 | 1.57 | 1.75 | 11.11 | 91.55 | 17.69 | 19.04 | 21.31 | 36.72 | 230.00 | 483.48 | 17.58 |
| Watershed Area:Wetland Control Length | 21.44 | 0.39 | 3.02 | 0.40 | 2.76 | 1.60 | 3.39 | 293.00 | 231.00 | 14.27 | 0.70 | 1.80 | 1.96 | 0.25 | 11.99 | 43.33 | 10.20 | 29.70 | 4.22 | 7.05 | 19.32 | 33.36 | 3.27 |
| Table Lookup | 0.80 | 0.30 | 0.90 | 0.30 | 0.90 | 0.70 | 0.90 | 1.00 | 1.00 | 1.00 | 0.40 | 0.40 | 0.70 | 0.10 | 0.00 | 0.00 | 0.95 | 0.98 | 0.30 | 0.40 | 0.00 | 0.20 | 0.55 |
| **Average (FVI)** | 0.80 | 0.30 | 0.90 | 0.30 | 0.90 | 0.70 | 0.90 | 1.00 | 1.00 | 1.00 | 0.40 | 0.40 | 0.70 | 0.10 | 1.00 | 0.70 | 0.95 | 0.98 | 0.30 | 0.40 | 0.10 | 0.20 | 0.55 |
| **Evaluation Area (Area of wetland in acres)** | 66.3 | 8.1 | 35.1 | 1.8 | 35.0 | 20.3 | 46.2 | 47.5 | 41.0 | 19.9 | 1.1 | 3.3 | 12.5 | 2.8 | 107.9 | 7.1 | 17.3 | 23.4 | 19.8 | 19.2 | 8.4 | 6.9 | 18.6 |
| **Functional Value 8. Ground Water Use Potential** | | | | | | | | | | | | | | | | | | | | | | | |
| Existing wells | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.50 | 1.00 | 1.00 | 0.50 | 0.00 | 0.50 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 |
| Potential water supply | 1.00 | 1.00 | 1.00 | 0.10 | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.50 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 |
| Ground water quality | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Water quality of stream, lake or pond | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| **Average (FVI)** | 0.88 | 0.88 | 0.88 | 0.65 | 0.88 | 0.00 | 0.75 | 0.88 | 0.88 | 0.75 | 0.00 | 0.63 | 0.65 | 0.75 | 0.88 | 0.88 | 0.88 | 0.88 | 0.75 | 0.63 | 0.88 | 0.88 | 0.88 |
| **Evaluation Area (Area of wetland in acres)** | 66.3 | 8.1 | 35.1 | 1.8 | 35.0 | 20.3 | 46.2 | 47.5 | 41.0 | 19.9 | 1.1 | 3.3 | 12.5 | 2.8 | 107.9 | 7.1 | 17.3 | 23.4 | 19.8 | 19.2 | 8.4 | 6.9 | 18.6 |
| **Functional Value 9. Sediment Trapping** | | | | | | | | | | | | | | | | | | | | | | | |
| **Part A: Opportunity for Sediment Trapping** | | | | | | | | | | | | | | | | | | | | | | | |
| Average watershed slope | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 | 0.50 | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 0.50 | 0.50 | 0.50 |
| Sediment sources in watershed | 0.50 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| **Average - Part A** | 0.50 | 0.30 | 0.30 | 0.30 | 0.30 | 0.10 | 0.30 | 0.50 | 0.75 | 0.55 | 0.30 | 0.30 | 0.30 | 0.55 | 0.50 | 0.55 | 0.30 | 0.30 | 0.55 | 0.55 | 0.30 | 0.30 | 0.30 |
| **Part B - Overall Potential Effectiveness** | | | | | | | | | | | | | | | | | | | | | | | |
| Opportunity for Sediment Trapping (from above) | 0.50 | 0.30 | 0.30 | 0.30 | 0.30 | 0.10 | 0.30 | 0.50 | 0.75 | 0.55 | 0.30 | 0.30 | 0.30 | 0.55 | 0.50 | 0.55 | 0.30 | 0.30 | 0.55 | 0.55 | 0.30 | 0.30 | 0.30 |
| Effective floodwater storage (FVI) | 0.80 | 0.30 | 0.90 | 0.30 | 0.90 | 0.70 | 0.90 | 1.00 | 1.00 | 1.00 | 0.40 | 0.40 | 0.70 | 0.10 | 1.00 | 0.70 | 0.95 | 0.98 | 0.30 | 0.40 | 0.10 | 0.20 | 0.55 |
| Wetland location in relation to stream, pond, lake | 1.00 | 0.10 | 1.00 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.10 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 |
| Dominant wetland class bordering surface water | 1.00 | 0.10 | 0.50 | 0.50 | 1.00 | 0.50 | 1.00 | 0.50 | 1.00 | 0.10 | 0.50 | 0.50 | 0.10 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.10 | 1.00 | 1.00 | 1.00 |
| Area of impounded open water | 0.50 | 0.10 | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 1.00 | 0.50 | 0.50 | 0.10 | 0.10 | 1.00 | 0.50 | 0.50 | 1.00 |
| **Average - Part B** | 0.76 | 0.18 | 0.74 | 0.34 | 0.74 | 0.56 | 0.74 | 0.80 | 0.85 | 0.55 | 0.26 | 0.26 | 0.26 | 0.27 | 0.90 | 0.75 | 0.75 | 0.68 | 0.59 | 0.61 | 0.48 | 0.60 | 0.77 |
| **Evaluation Area (Area of wetland in acres)** | 66.3 | 8.1 | 35.1 | 1.8 | 35.0 | 20.3 | 46.2 | 47.5 | 41.0 | 19.9 | 1.1 | 3.3 | 12.5 | 2.8 | 107.9 | 7.1 | 17.3 | 23.4 | 19.8 | 19.2 | 8.4 | 6.9 | 18.6 |
| **Functional Value 10. Nutrient Attenuation** | | | | | | | | | | | | | | | | | | | | | | | |
| **Part A - Opportunity for Nutrient Attenuation** | | | | | | | | | | | | | | | | | | | | | | | |
| Opportunity for Sediment Trapping (FVI) | 0.50 | 0.30 | 0.30 | 0.30 | 0.30 | 0.10 | 0.30 | 0.50 | 0.75 | 0.55 | 0.30 | 0.30 | 0.30 | 0.55 | 0.50 | 0.55 | 0.30 | 0.30 | 0.55 | 0.55 | 0.30 | 0.30 | 0.30 |
| Potential sources of excess nutrients in watershed | 0.10 | 1.00 | 0.50 | 0.10 | 0.50 | 0.50 | 1.00 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.50 | 0.10 | 0.50 | 0.50 | 1.00 | 0.10 | 0.50 | 0.10 | 0.50 | 0.10 | 1.00 |
| **Average - Part A** | 0.30 | 0.65 | 0.40 | 0.20 | 0.40 | 0.30 | 0.65 | 0.30 | 0.43 | 0.33 | 0.20 | 0.20 | 0.40 | 0.33 | 0.50 | 0.53 | 0.65 | 0.20 | 0.53 | 0.33 | 0.40 | 0.20 | 0.65 |
| **Part B - Overall Potential/Effectiveness** | | | | | | | | | | | | | | | | | | | | | | | |
| Opportunity for nutrient attenuation (from above) | 0.30 | 0.65 | 0.40 | 0.20 | 0.40 | 0.30 | 0.65 | 0.30 | 0.43 | 0.33 | 0.20 | 0.20 | 0.40 | 0.33 | 0.50 | 0.53 | 0.65 | 0.20 | 0.53 | 0.33 | 0.40 | 0.20 | 0.65 |
| Overall potential for Sediment Trapping (FVI) | 0.76 | 0.18 | 0.74 | 0.34 | 0.74 | 0.56 | 0.74 | 0.80 | 0.85 | 0.55 | 0.26 | 0.26 | 0.26 | 0.27 | 0.90 | 0.75 | 0.75 | 0.68 | 0.59 | 0.61 | 0.48 | 0.60 | 0.77 |
| Dominant wetland class | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Wetland hydroperiod | 0.10 | 0.10 | 0.05 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 0.50 | 0.10 | 0.10 | 0.50 | 0.50 | 1.00 | 0.50 | 0.10 | 0.10 | 0.10 | 1.00 | 0.50 | 0.50 | 1.00 |
| **Average - Part B** | 0.54 | 0.48 | 0.55 | 0.51 | 0.66 | 0.59 | 0.72 | 0.78 | 0.69 | 0.59 | 0.39 | 0.39 | 0.54 | 0.52 | 0.85 | 0.69 | 0.63 | 0.49 | 0.55 | 0.73 | 0.60 | 0.58 | 0.86 |
| **Evaluation Area (Area of wetland in acres)** | 66.3 | 8.1 | 35.1 | 1.8 | 35.0 | 20.3 | 46.2 | 47.5 | 41.0 | 19.9 | 1.1 | 3.3 | 12.5 | 2.8 | 107.9 | 7.1 | 17.3 | 23.4 | 19.8 | 19.2 | 8.4 | 6.9 | 18.6 |

## Table 2. Wetland Evaluation, Hudson, NH, Functional Value Scoring Detail.

Notes: The scores for each evaluation question/parameter are presented in these tables. For each parameter, a score of 0.1, 0.5, or 1.0 is assigned following the NH Method. More detail on the evaluation technique can be found in the publication "Method for the Comparative Evaluation of Nontidal Wetlands in NH," March 1991.

| | Wetland 1B - Chase Brook Swamp | Wetland 2D - Boyd Road Swamp | 5A - Robinson Pond Wetlands | 5B - Robinson Pond Wetlands | Wetland 8 - Glover Brook Swamp | Wetland 10 - Town Forest Red Maple Swamp | Wetland 11 - Little Ottarnic Pond Swamp | Wetland 12A - Ottarnic Pond Wetlands | Wetland 12B - Ottarnic Pond Wetlands | Wetland 14A Merril Brook Swamp | Wetland 14B Benson's Vicinity | Wetland 14C Benson's Vicinity | Wetland 15A - Bush Hill Ponds | Wetland 15D - Bush Hill Ponds | Wetland 17A - Miles Swamp | Wetland 17B - Miles Swamp | Wetland 18 - Limit Brook Swamp | Wetland 18B - Limit Brook Swamp | Wetland 20C - Musquash Pond Swamp complex | 20D - Musquash Pond Swamp | - Musquash Pond Swamp complex | Wetland 21B - Ayers Pond Swamp | Wetland 23/24 - Heron Pond Marsh |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Functional Value 11. Shoreline Anchoring** | | | | | | | | | | | | | | | | | | | | | | | |
| Wetland morphology | 1.00 | 1.00 | 1.00 | 0.00 | 0.50 | 1.00 | 1.00 | 1.00 | 0.50 | 0.50 | 0.00 | 0.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 |
| Wetland width bordering surface water | 1.00 | 0.10 | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Vegetation density | 1.00 | 0.50 | 0.50 | 0.00 | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.50 | 1.00 |
| **Average (FVI)** | 1.00 | 0.53 | 0.83 | 0.00 | 0.67 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.00 | 0.00 | 0.67 | 0.83 | 0.67 | 0.83 | 1.00 | 1.00 | 1.00 | 0.83 | 1.00 | 0.83 | 1.00 |
| **Length of shoreline (ft)** | 4000 | 0 | 2200 | 0 | 500 | 2500 | 1000 | 1200 | 1500 | 1800 | 0 | 0 | 3500 | 500 | 500 | 0 | 300 | 350 | 1600 | 2500 | 2900 | 2200 | 1800 |
| **Evaluation Area** | 0.9 | 0.0 | 0.5 | 0.0 | 0.1 | 0.6 | 0.2 | 0.3 | 0.3 | 0.4 | 0.0 | 0.0 | 0.8 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.4 | 0.6 | 0.7 | 0.5 | 0.4 |
| **Functional Value 12. Urban Quality of Life** | | | | | | | | | | | | | | | | | | | | | | | |
| **Part A - Presence of an Urban Setting** | | | | | | | | | | | | | | | | | | | | | | | |
| Dominant land use within 0.5 miles of wetland | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 0.50 | 1.00 | 1.00 | 1.00 | 0.10 | 0.10 | 0.10 | 0.50 | 0.10 | 1.00 | 0.50 | 0.50 | 0.50 | 0.50 | 0.10 | 0.50 | 0.50 | 0.50 |
| Rate of development within 0.5 miles of wetland | 0.10 | 0.10 | 0.50 | 0.50 | 0.50 | 0.10 | 0.50 | 1.00 | 0.50 | 0.10 | 0.10 | 0.10 | 0.50 | 0.10 | 0.50 | 0.10 | 0.10 | 0.10 | 0.50 | 0.10 | 0.10 | 0.10 | 0.10 |
| **Average - Part A** | 0.30 | 0.30 | 0.50 | 0.50 | 0.75 | 0.30 | 0.75 | 1.00 | 0.75 | 0.10 | 0.10 | 0.10 | 0.50 | 0.10 | 0.75 | 0.30 | 0.30 | 0.30 | 0.50 | 0.10 | 0.30 | 0.30 | 0.30 |
| **Functional Value 13. Historical Site Potential** | | | | | | | | | | | | | | | | | | | | | | | |
| Proximity of potential site to nearest perennial watercourse | 1.00 | 1.00 | 0.10 | 0.10 | 1.00 | 0.10 | 0.10 | 1.00 | 1.00 | 1.00 | 0.10 | 0.10 | 0.10 | 0.10 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Visible stone or earthen foundations, berms, etc. | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 |
| Existence of mill pond | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| Presence of historic buildings | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 |
| **Average (FVI)** | 0.28 | 0.53 | 0.55 | 0.05 | 0.53 | 0.05 | 0.55 | 0.28 | 0.28 | 0.28 | 0.30 | 0.30 | 0.55 | 0.05 | 0.78 | 0.78 | 0.53 | 0.78 | 0.28 | 0.53 | 0.53 | 0.53 | 0.78 |
| **Area of potential site of historical significance (ac)** | 66.3 | 8.1 | 35.1 | 1.8 | 35.0 | 20.3 | 46.2 | 47.5 | 41.0 | 19.9 | 1.1 | 3.3 | 12.5 | 2.8 | 101.0 | 7.1 | 17.3 | 23.4 | 19.8 | 19.2 | 8.4 | 6.9 | 18.6 |
| **Functional Value 14. Noteworthiness** | | | | | | | | | | | | | | | | | | | | | | | |
| Presence of habitat for threatened or endangered species | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 |
| Existing scientific research | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| National natural landmark or exemplary natural community | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Local significance based on WVU rank | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Local significance based on rare or unique features | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Archeological site presence | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| State or federally designated river present | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Average (FVI)** | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| **Evaluation Area (Total area of Wetland)** | 66.3 | 8.1 | 35.1 | 1.8 | 35.0 | 20.3 | 46.2 | 47.5 | 41.0 | 19.9 | 1.1 | 3.3 | 12.5 | 2.8 | 107.9 | 7.1 | 17.3 | 23.4 | 19.8 | 19.2 | 8.4 | 6.9 | 18.6 |

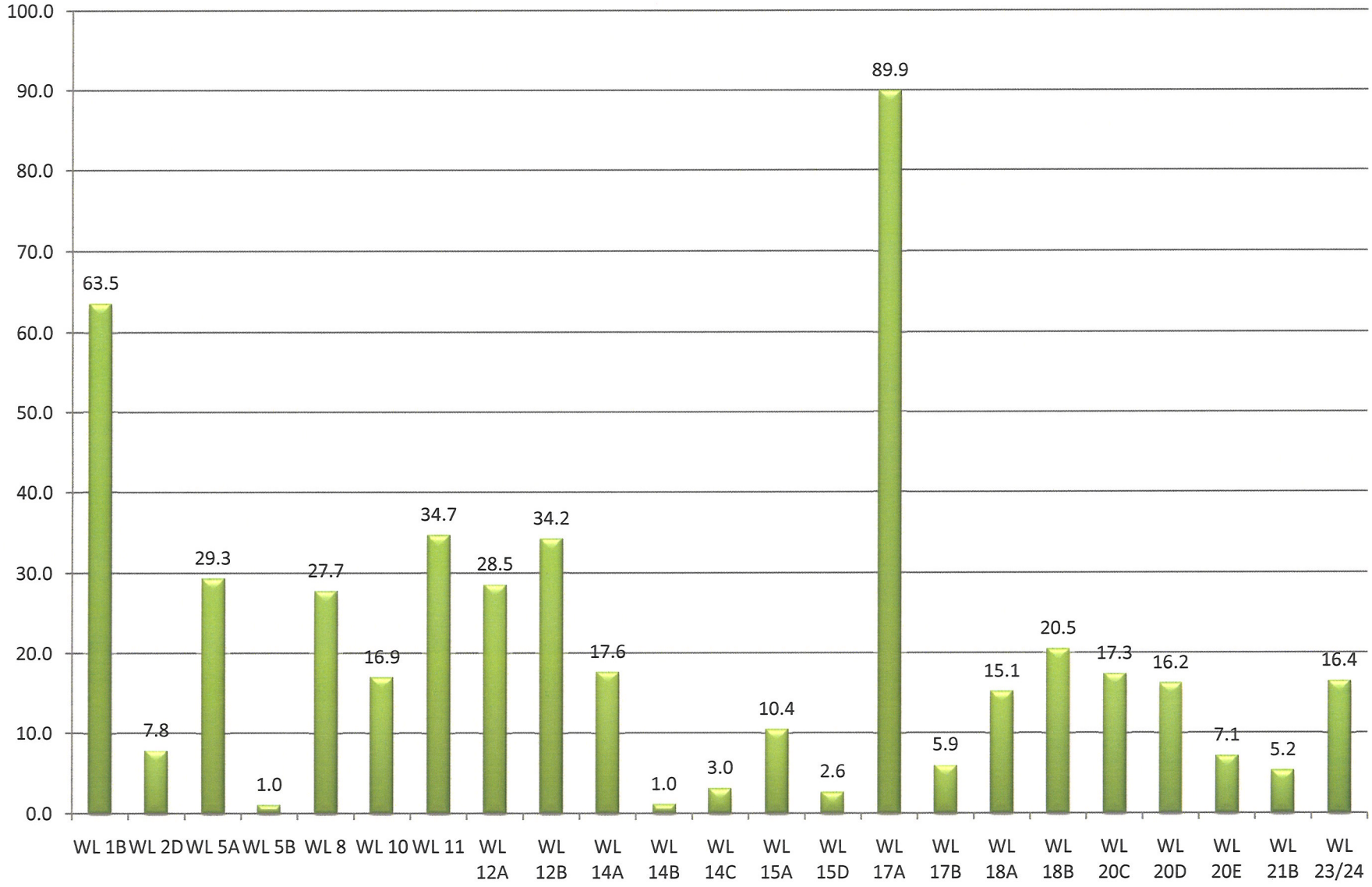
**Table 3. Weltand Ranking, Hudson, NH**

| Wetland | Size (in acres) | Rank | Justification |
|---|---|---|---|
| Wetland 17A - Miles Swamp | 107.9 | 1 | Large wetland |
| | | | High flood control value |
| | | | High sediment trapping value |
| | | | High wetland wildlife habitat value |
| Wetland 1B - Chase Brook Swamp | 66.3 | 2 | Large wetland |
| | | | Rare species habitat |
| | | | High wetland wildlife habitat value |
| | | | High ecological integrity |
| Wetland 12A - Ottarnic Pond Marsh | 47.5 | 3 | Large wetland associated with waterbody |
| | | | Important wildlife and waterfowl habitat |
| | | | High flood control value |
| | | | High sediment & nutrient attenuation |
| Wetland 11 - Little Ottarnic Pond Swamp | 46.2 | 4 | Large wetland |
| | | | Multiple rare species/communities |
| | | | Important wildlife habitat |
| | | | High flood control value |
| Wetland 12B - Ottarnic Pond Marsh - East | 41.0 | 5 | Large wetland |
| | | | High wetland wildlife & finfish value |
| | | | High educational potential |
| | | | Groundwater use value |
| Wetland 5A - Robinson Pond Wetlands | 35.1 | 6 | Large wetland associated with waterbody |
| | | | High wetland wildlife & finfish value |
| | | | High flood control value |
| | | | Groundwater use value |
| Wetland 8 - Glover Brook Marsh Complex | 35.0 | 7 | Large wetland |
| | | | High wetland wildlife value |
| | | | High flood control value |
| | | | Groundwater use value |
| Wetland 18B - Limit Brook Swamp | 19.8 | 8 | Moderate size wetland |
| | | | Good wetland wildlife habitat value |
| | | | Good flood control value |
| | | | Historic value |
| Wetland 20D - Musquash Brook Swamp Complex | 19.2 | 9 | Moderate size wetland |
| | | | Good ecological integrity |
| | | | Good aesthetic quality |
| | | | Good wildlife & finfish habitat value |
| Wetland 23/24 - Heron Pond Marsh | 18.6 | 10 | Moderate size wetland |
| | | | Good ecological integrity |
| | | | Good wetland wildlife habitat value |
| | | | Groundwater use value |
| Wetland 18A - Limit Brook Swamp | 23.4 | 11 | Moderate size wetland |
| | | | Good ecological integrity |
| | | | Good wetland wildlife habitat value |
| | | | Groundwater use value |
| Wetland 10 - Town Forest Red Maple Swamp | 20.3 | 12 | Moderate size wetland |
| | | | Good ecological integrity |
| | | | Good wetland wildlife habitat value |
| | | | Good flood control value |
| | | | Good groundwater use value |
| Wetland 20C - Musquash Brook Swamp complex | 19.2 | 13 | Moderate size wetland |
| | | | Good ecological integrity |
| | | | Good wetland wildlife habitat value |
| | | | Good aesthetic quality |
| Wetland 14A Merrill Brook Swamp | 19.9 | 14 | Moderate size wetland |
| | | | Good ecological integrity |
| | | | Good wetland wildlife habitat value |
| | | | Good flood control value |
| Wetland 20E - Musquash Pond Swamp | 8.4 | 15 | Relatively small wetland |
| | | | Rare species habitat |
| | | | Good ecological integrity |
| | | | Good flood control value |

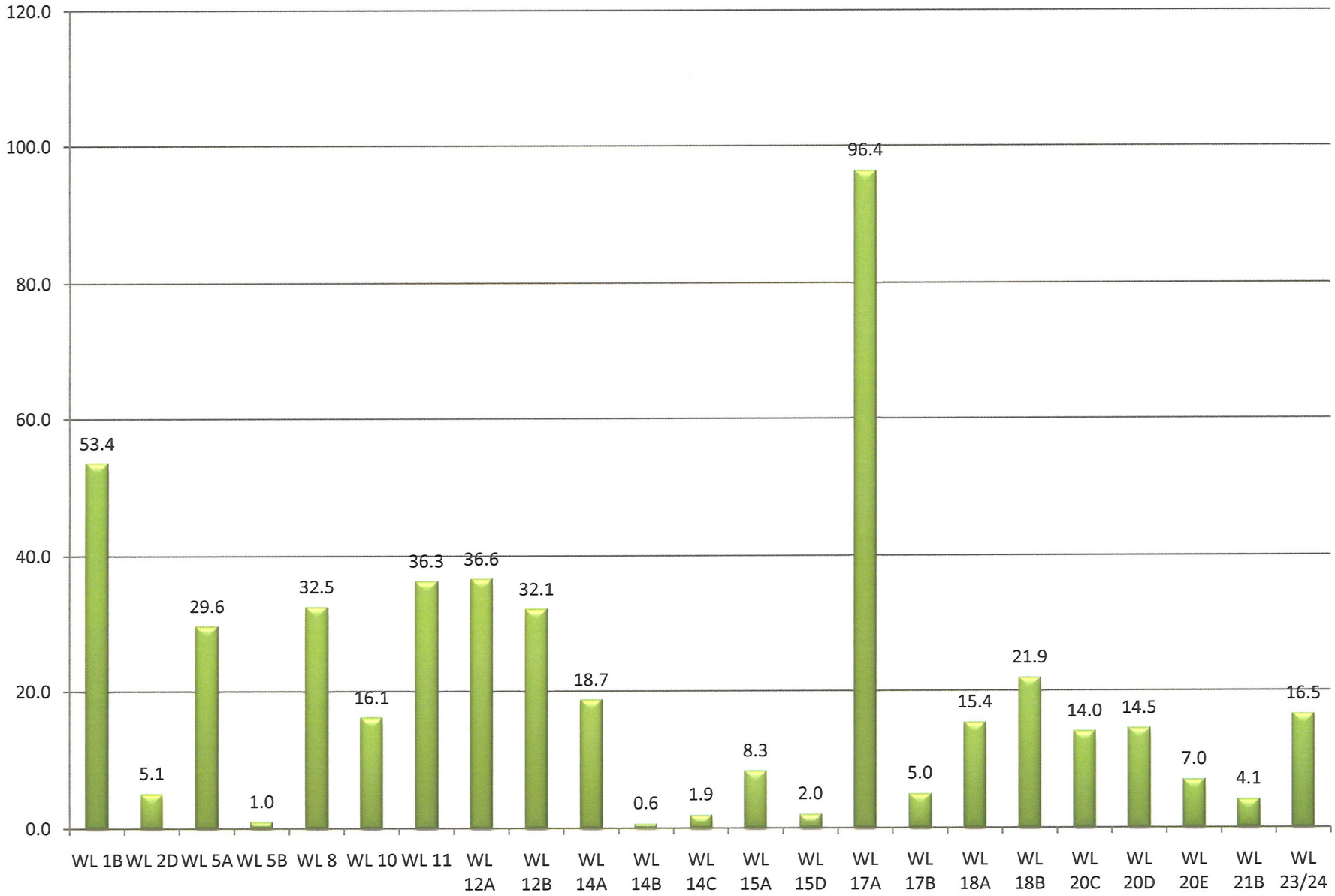
**Table 3. Weltand Ranking, Hudson, NH**

| Wetland | Size (in acres) | Rank | Justification |
|---|---|---|---|
| Wetland 15A - Bush Hill Swamp Complex | 12.5 | 16 | Relatively small wetland |
| | | | Good ecological integrity |
| | | | Moderate aesthetic quality |
| | | | Moderate flood control value |
| Wetland 17B - Miles Swamp | 7.1 | 17 | Relatively small wetland |
| | | | Good ecological integrity |
| | | | Moderate wetland wildlife value |
| | | | Moderate flood control value |
| Wetland 21B - Ayers Pond Swamp | 6.9 | 18 | Relatively small wetland |
| | | | Good aesthetic quality |
| | | | Moderate ecological integrity |
| | | | Moderate finfish habitat |
| Wetland 2D - Boyd Road Swamp | 8.1 | 19 | Relatively small wetland |
| | | | Good ecological integrity |
| | | | Groundwater use value |
| | | | Moderate wetland wildlife value |
| Wetland 15D - Bush Hill Beaver Ponds | 2.8 | 20 | Small wetland |
| | | | Moderate ecological integrity |
| | | | Rare species habitat |
| | | | Moderate wetland wildlife value |
| Wetland 14C Benson's Vicinity | 3.3 | 21 | Small wetland |
| | | | Rare species habitat for at 2 species |
| | | | Good ecological integrity |
| | | | Many moderate to low values |
| Wetland 14B Benson's Vicinity | 1.1 | 22 | Small wetland |
| | | | Rare species habitat for at 2 species |
| | | | Good ecological integrity |
| | | | Many moderate to low values |
| Wetland 5B - Robinson Pond Wetlands | 1.8 | 23 | Small wetland |
| | | | Rare species habitat |
| | | | Relatively low ecological integrity |
| | | | Many moderate to low values |

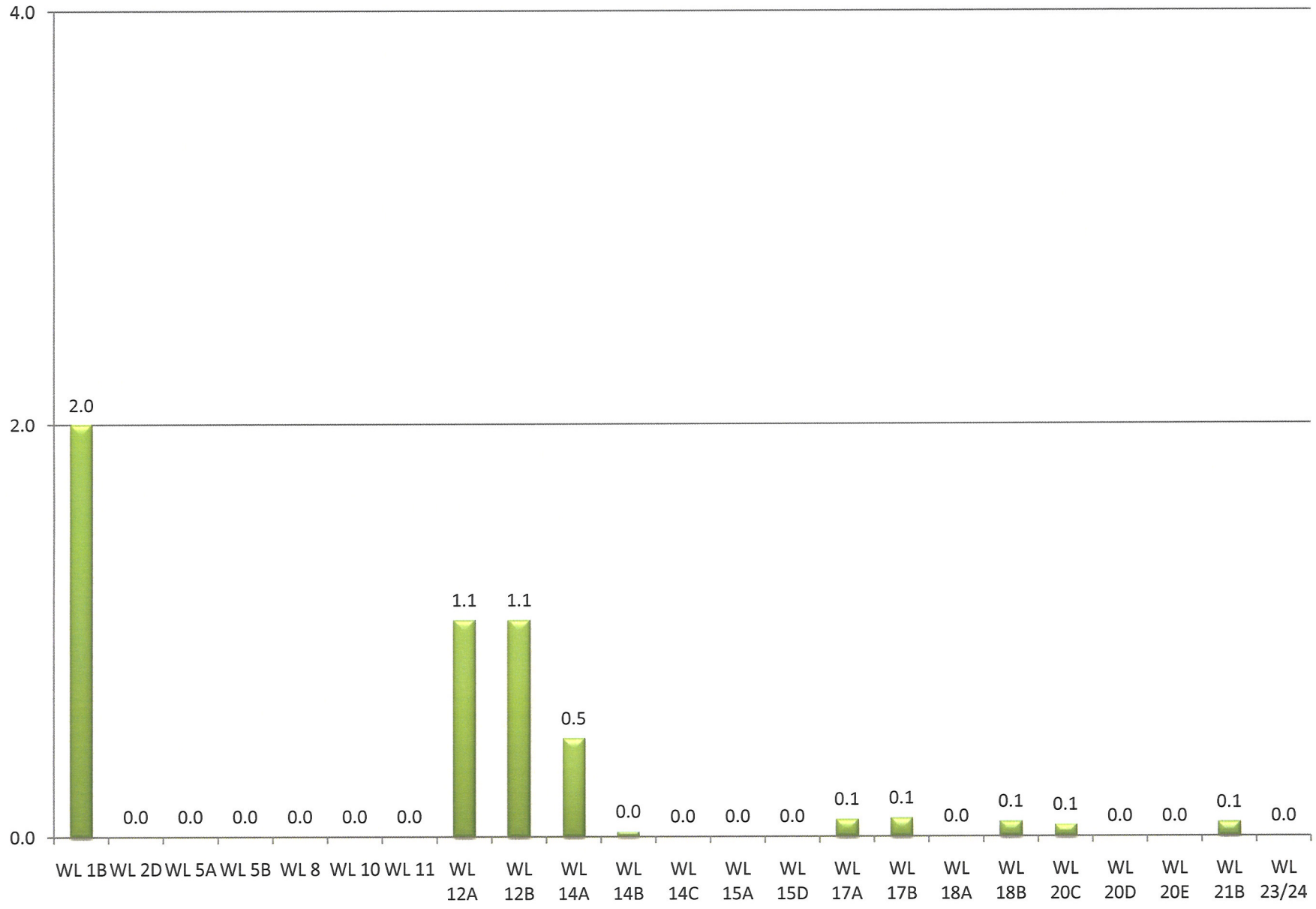
# Table 5-1 Ecological Integrity



# Table 5-2 Wetland Wildlife Habitat



# Table 5-3 Finfish Habitat: Rivers & Streams



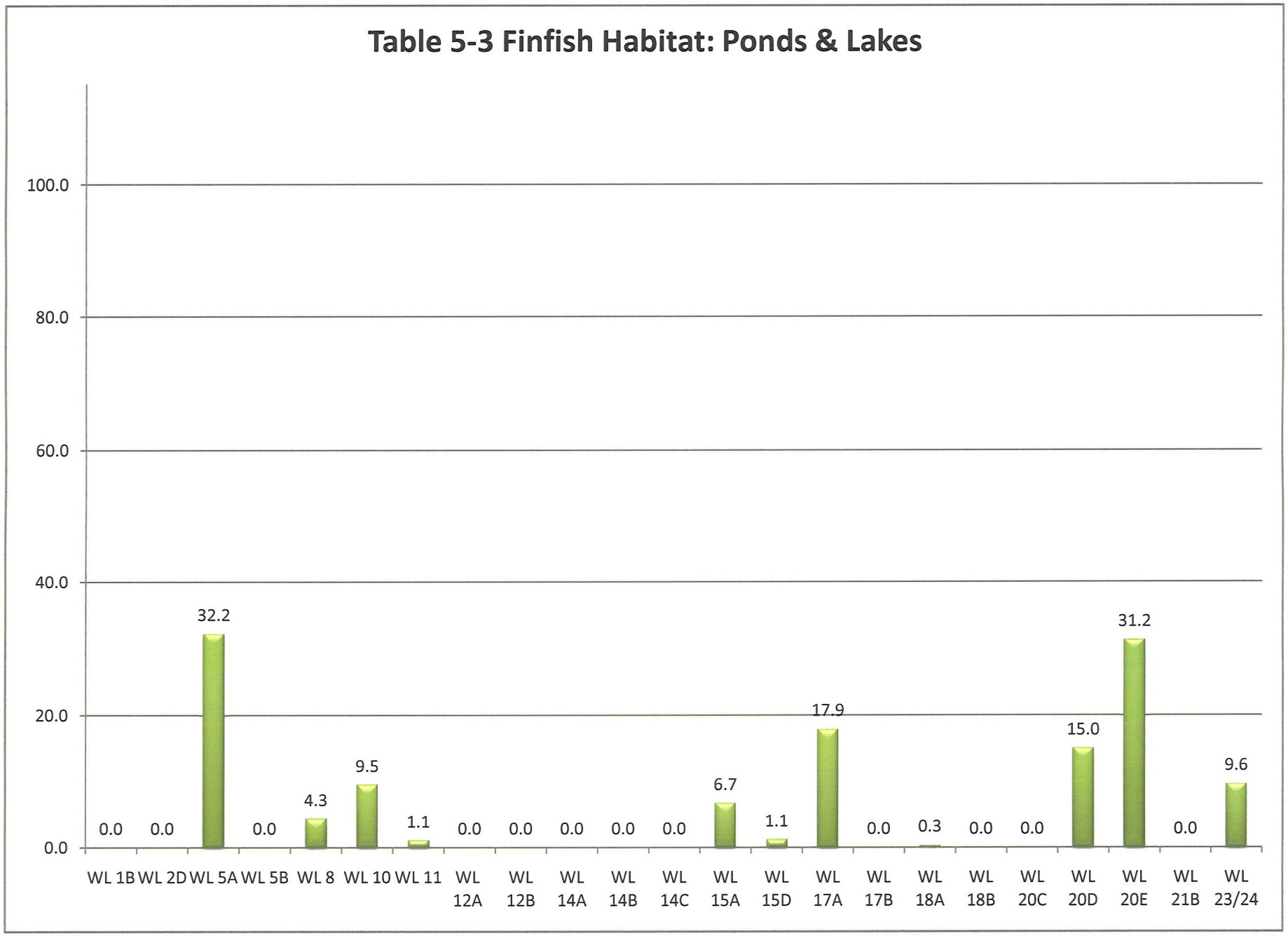


Table 5-3 Finfish Habitat: Ponds & Lakes
100.0
80.0
60.0
40.0
20.0
0.0
0.0
0.0
32.2
0.0
4.3
9.5
1.1
0.0
0.0
0.0
0.0
0.0
6.7
1.1
17.9
0.0
0.3
0.0
0.0
15.0
31.2
0.0
9.6
WL 1B
WL 2D
WL 5A
WL 5B
WL 8
WL 10
WL 11
WL 12A
WL 12B
WL 14A
WL 14B
WL 14C
WL 15A
WL 15D
WL 17A
WL 17B
WL 18A
WL 18B
WL 20C
WL 20D
WL 20E
WL 21B
WL 23/24

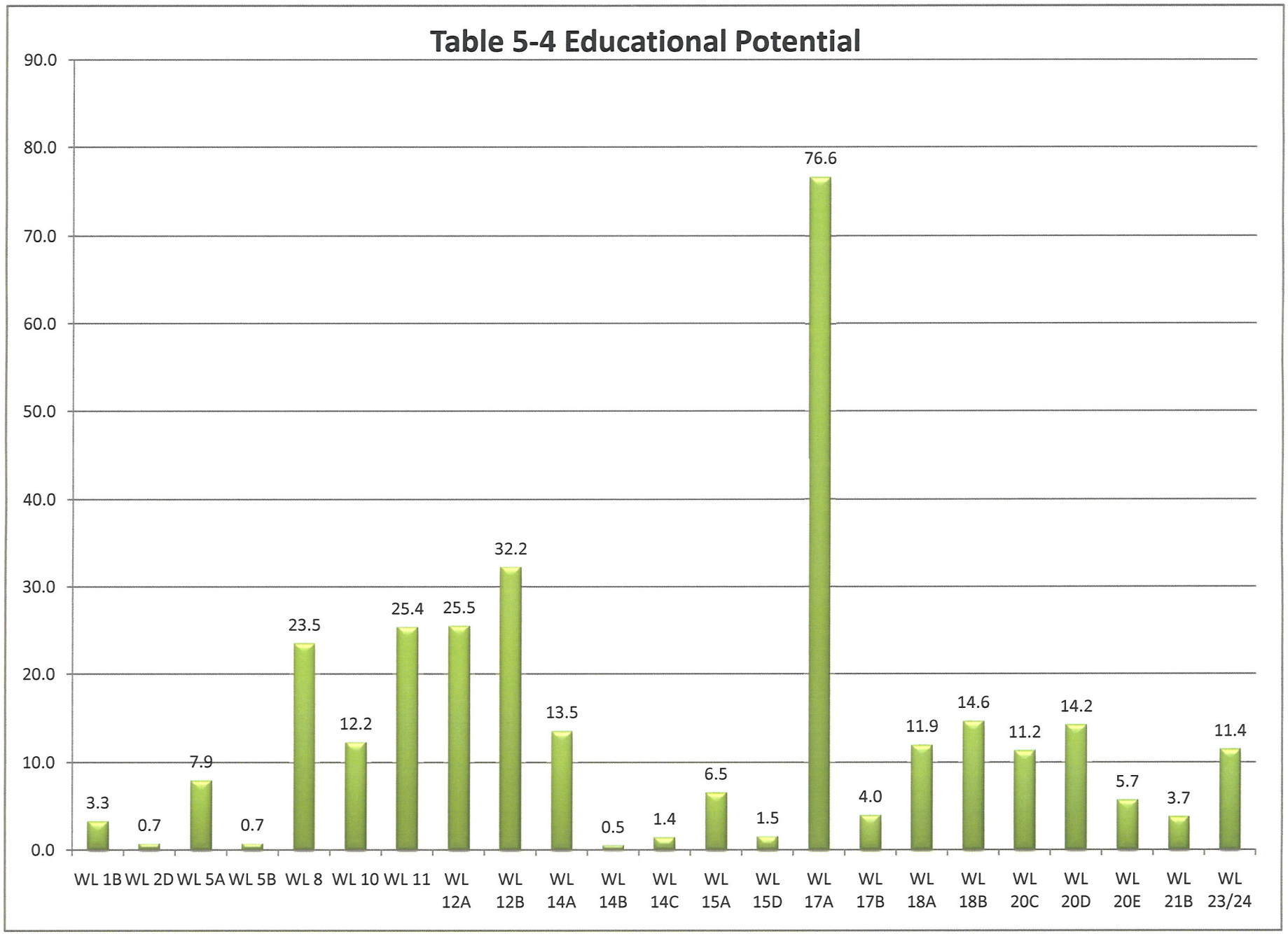


Table 5-4 Educational Potential
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
3.3
0.7
7.9
0.7
23.5
12.2
25.4
25.5
32.2
13.5
0.5
1.4
6.5
1.5
76.6
4.0
11.9
14.6
11.2
14.2
5.7
3.7
11.4
WL 1B
WL 2D
WL 5A
WL 5B
WL 8
WL 10
WL 11
WL 12A
WL 12B
WL 14A
WL 14B
WL 14C
WL 15A
WL 15D
WL 17A
WL 17B
WL 18A
WL 18B
WL 20C
WL 20D
WL 20E
WL 21B
WL 23/24

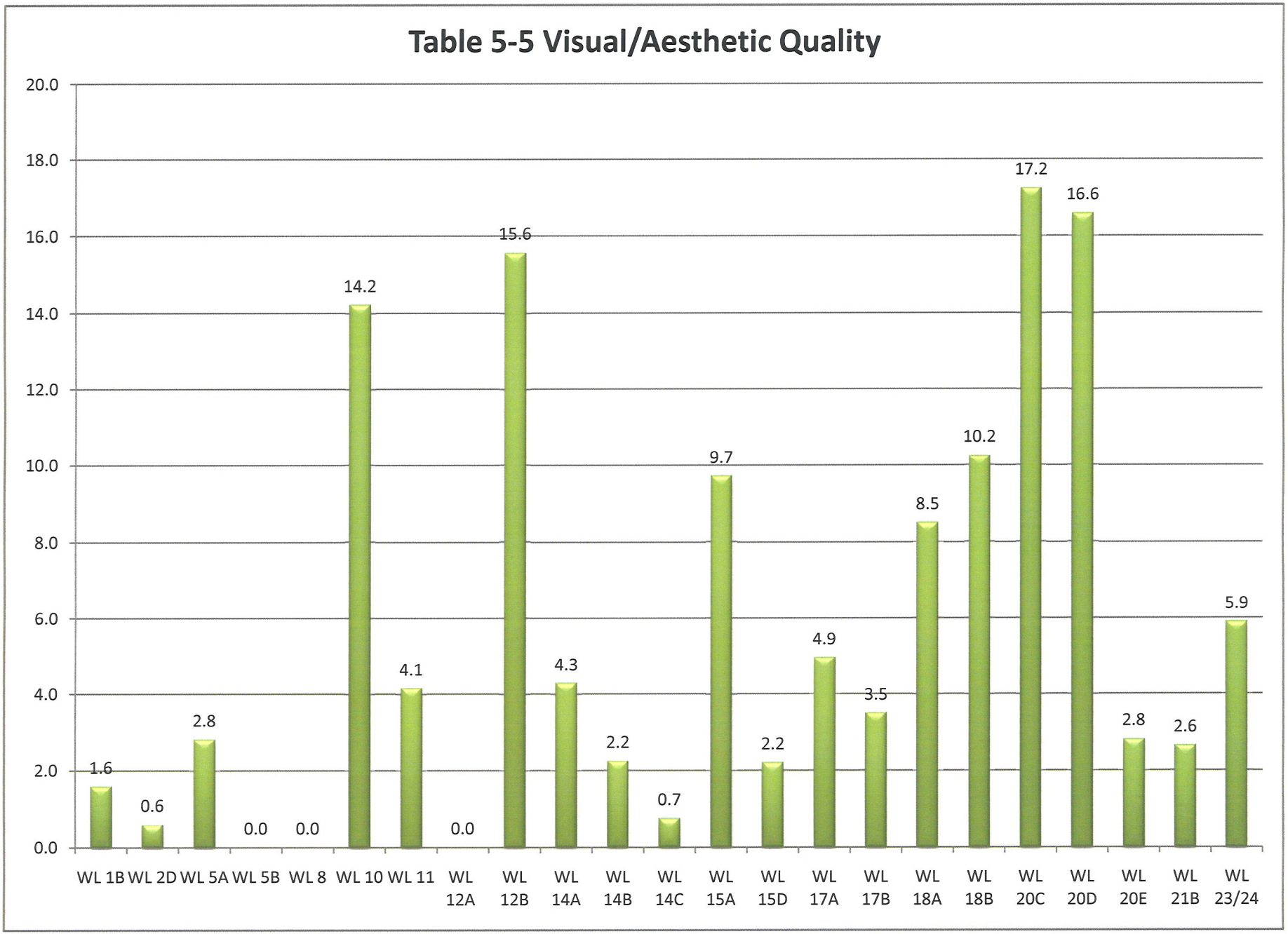


Table 5-5 Visual/Aesthetic Quality
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
1.6
0.6
2.8
0.0
0.0
14.2
4.1
0.0
15.6
4.3
2.2
0.7
9.7
2.2
4.9
3.5
8.5
10.2
17.2
16.6
2.8
2.6
5.9
WL 1B
WL 2D
WL 5A
WL 5B
WL 8
WL 10
WL 11
WL 12A
WL 12B
WL 14A
WL 14B
WL 14C
WL 15A
WL 15D
WL 17A
WL 17B
WL 18A
WL 18B
WL 20C
WL 20D
WL 20E
WL 21B
WL 23/24

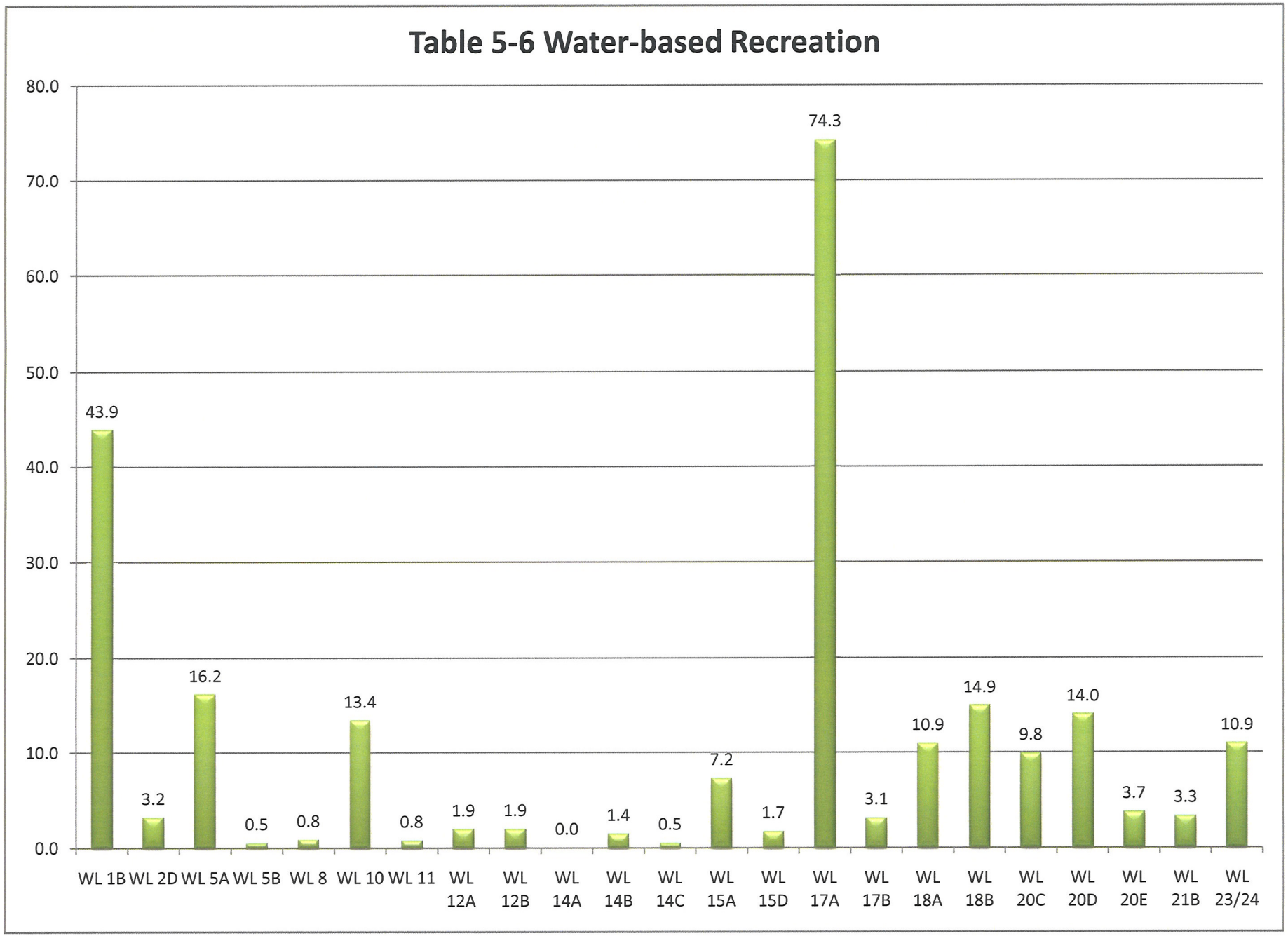


Table 5-6 Water-based Recreation
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
43.9
3.2
16.2
0.5
0.8
13.4
0.8
1.9
1.9
0.0
1.4
0.5
7.2
1.7
74.3
3.1
10.9
14.9
9.8
14.0
3.7
3.3
10.9
WL 1B
WL 2D
WL 5A
WL 5B
WL 8
WL 10
WL 11
WL 12A
WL 12B
WL 14A
WL 14B
WL 14C
WL 15A
WL 15D
WL 17A
WL 17B
WL 18A
WL 18B
WL 20C
WL 20D
WL 20E
WL 21B
WL 23/24

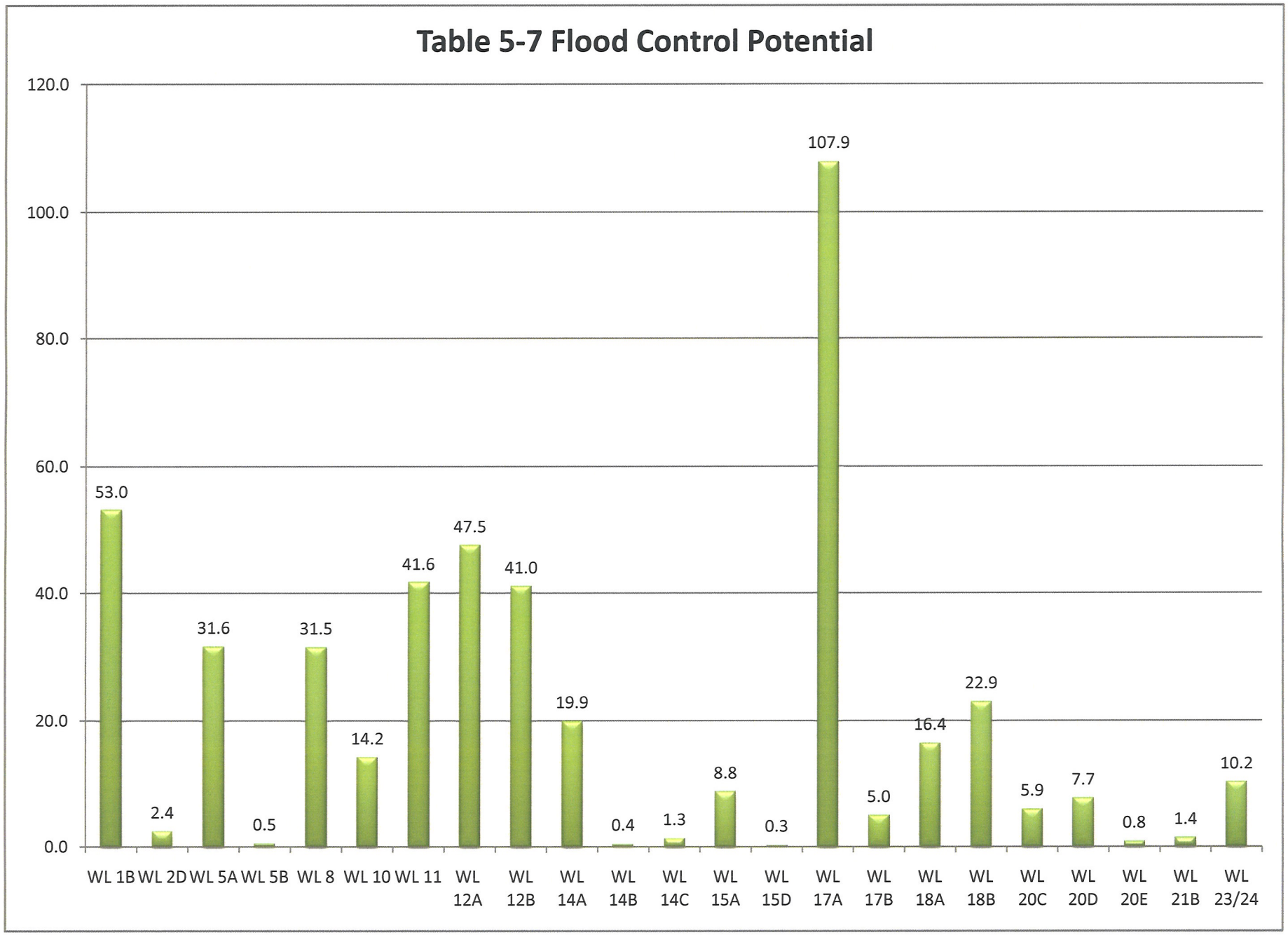


Table 5-7 Flood Control Potential
120.0
100.0
80.0
60.0
40.0
20.0
0.0
53.0
2.4
31.6
0.5
31.5
14.2
41.6
47.5
41.0
19.9
0.4
1.3
8.8
0.3
107.9
5.0
16.4
22.9
5.9
7.7
0.8
1.4
10.2
WL 1B
WL 2D
WL 5A
WL 5B
WL 8
WL 10
WL 11
WL 12A
WL 12B
WL 14A
WL 14B
WL 14C
WL 15A
WL 15D
WL 17A
WL 17B
WL 18A
WL 18B
WL 20C
WL 20D
WL 20E
WL 21B
WL 23/24

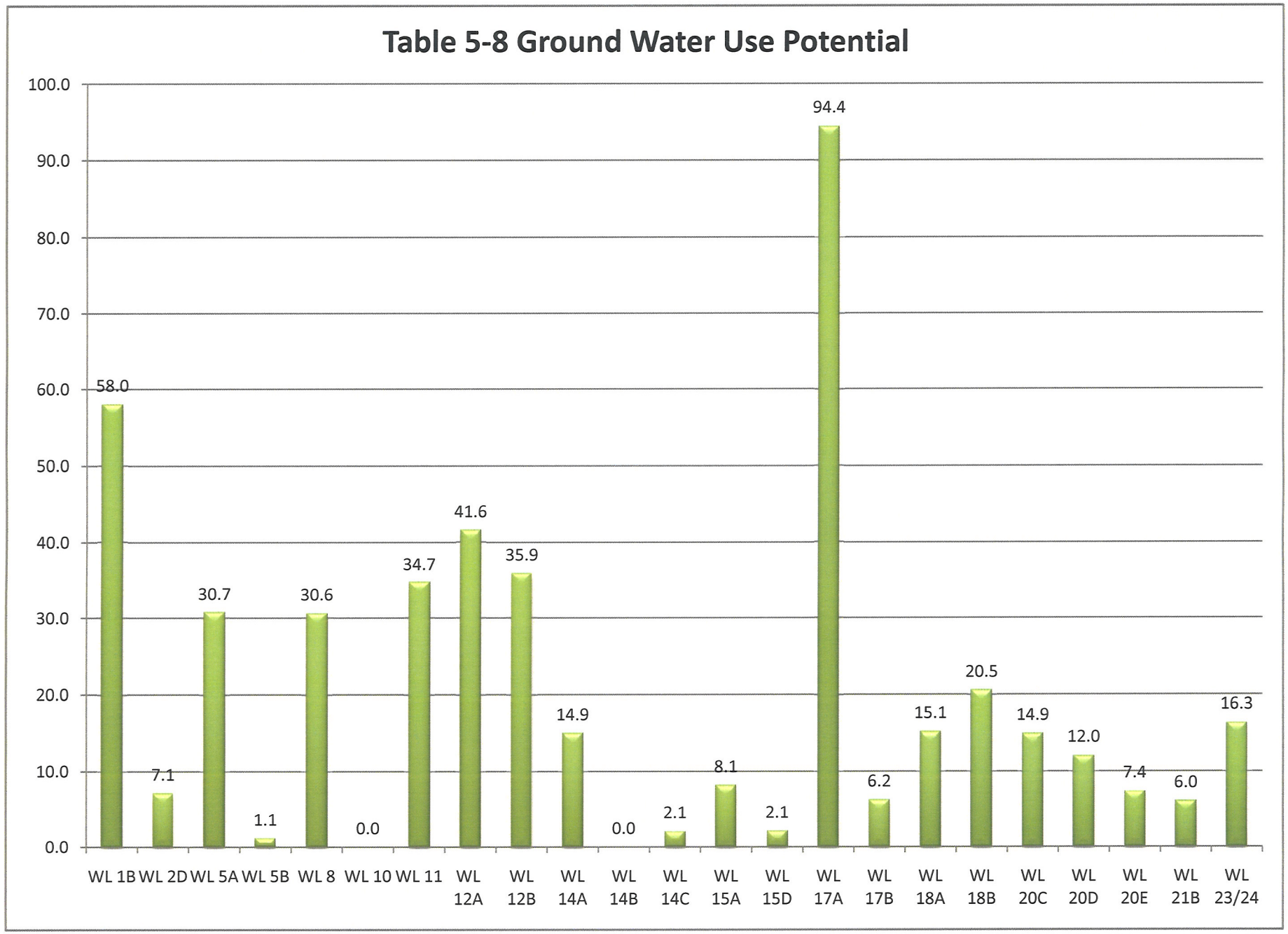


Table 5-8 Ground Water Use Potential
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
58.0
7.1
30.7
1.1
30.6
0.0
34.7
41.6
35.9
14.9
0.0
2.1
8.1
2.1
94.4
6.2
15.1
20.5
14.9
12.0
7.4
6.0
16.3
WL 1B
WL 2D
WL 5A
WL 5B
WL 8
WL 10
WL 11
WL 12A
WL 12B
WL 14A
WL 14B
WL 14C
WL 15A
WL 15D
WL 17A
WL 17B
WL 18A
WL 18B
WL 20C
WL 20D
WL 20E
WL 21B
WL 23/24

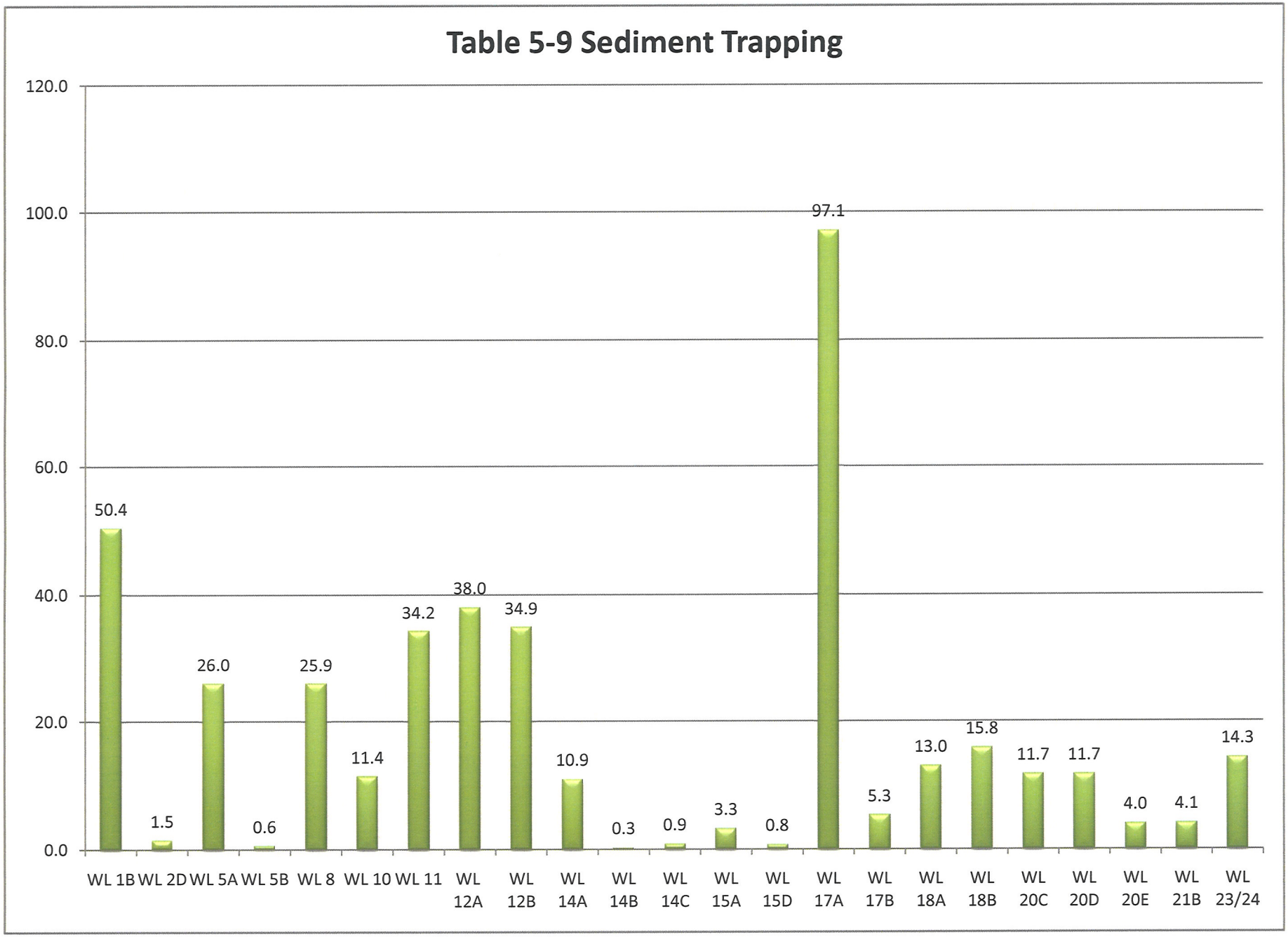


Table 5-9 Sediment Trapping
120.0
100.0
80.0
60.0
40.0
20.0
0.0
50.4
1.5
26.0
0.6
25.9
11.4
34.2
38.0
34.9
10.9
0.3
0.9
3.3
0.8
97.1
5.3
13.0
15.8
11.7
11.7
4.0
4.1
14.3
WL 1B
WL 2D
WL 5A
WL 5B
WL 8
WL 10
WL 11
WL 12A
WL 12B
WL 14A
WL 14B
WL 14C
WL 15A
WL 15D
WL 17A
WL 17B
WL 18A
WL 18B
WL 20C
WL 20D
WL 20E
WL 21B
WL 23/24

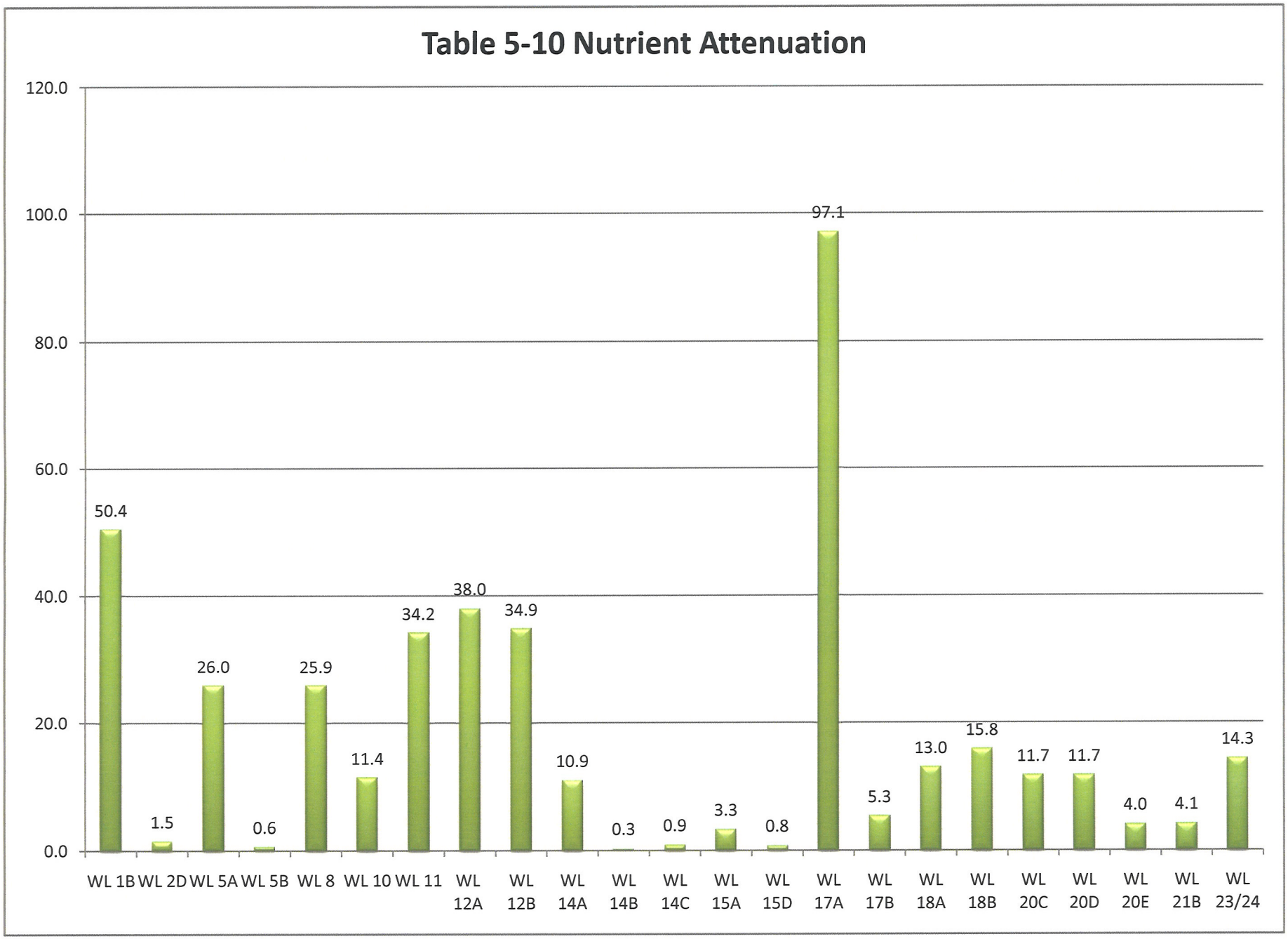


Table 5-10 Nutrient Attenuation
120.0
100.0
80.0
60.0
40.0
20.0
0.0
50.4
1.5
26.0
0.6
25.9
11.4
34.2
38.0
34.9
10.9
0.3
0.9
3.3
0.8
97.1
5.3
13.0
15.8
11.7
11.7
4.0
4.1
14.3
WL 1B
WL 2D
WL 5A
WL 5B
WL 8
WL 10
WL 11
WL 12A
WL 12B
WL 14A
WL 14B
WL 14C
WL 15A
WL 15D
WL 17A
WL 17B
WL 18A
WL 18B
WL 20C
WL 20D
WL 20E
WL 21B
WL 23/24

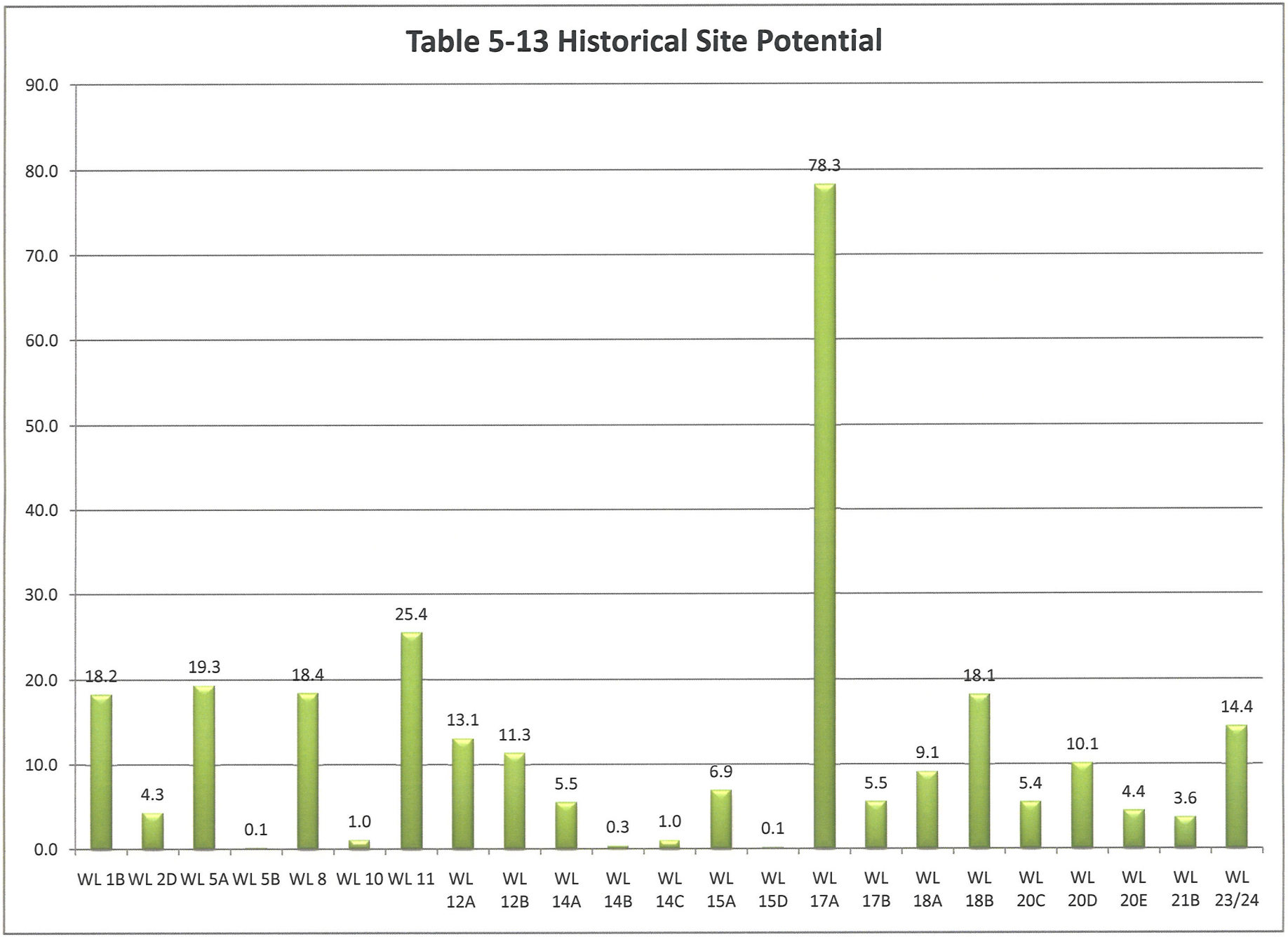
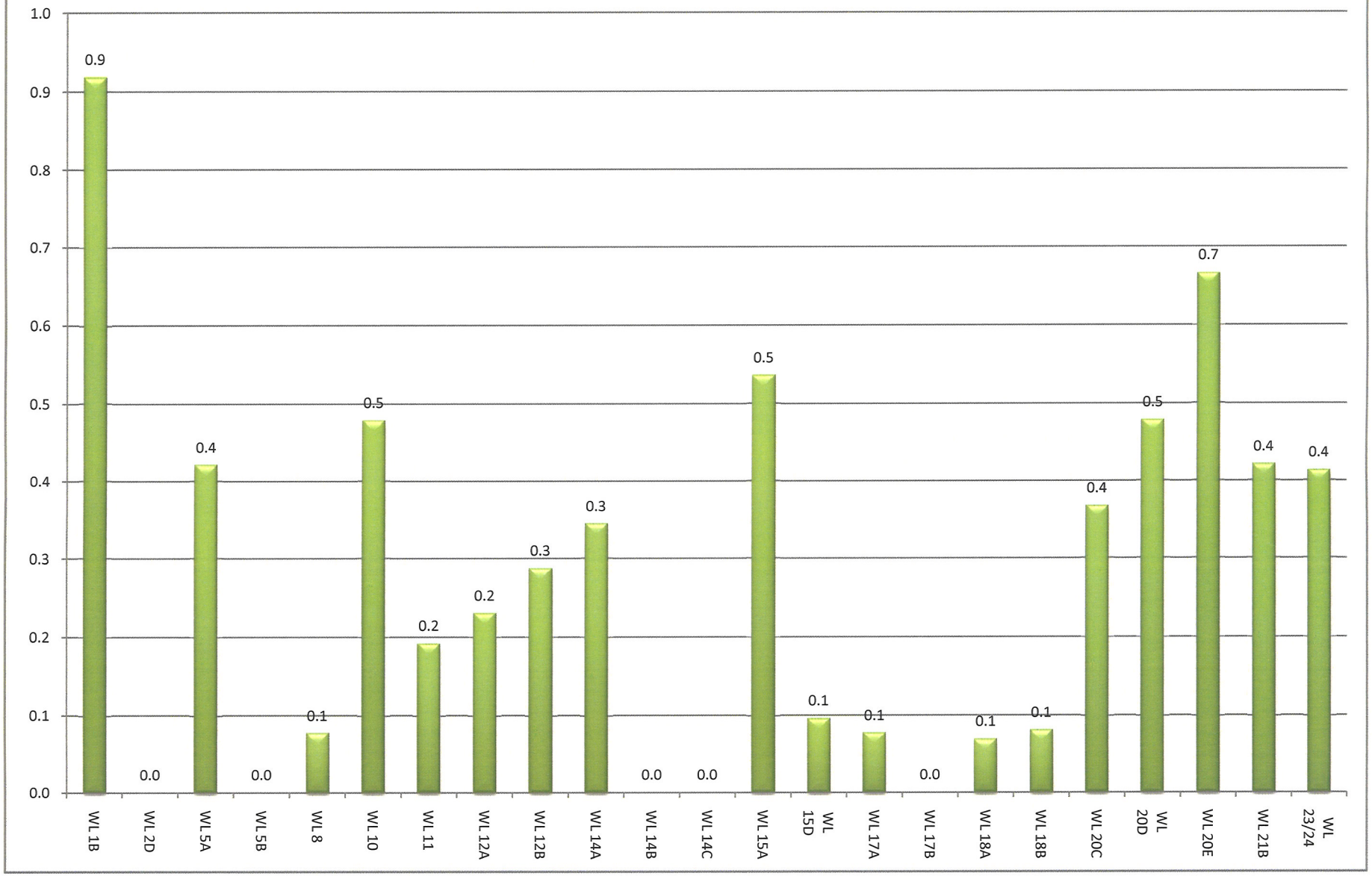


Table 5-13 Historical Site Potential
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
18.2
4.3
19.3
0.1
18.4
1.0
25.4
13.1
11.3
5.5
0.3
1.0
6.9
0.1
78.3
5.5
9.1
18.1
5.4
10.1
4.4
3.6
14.4
WL 1B
WL 2D
WL 5A
WL 5B
WL 8
WL 10
WL 11
WL 12A
WL 12B
WL 14A
WL 14B
WL 14C
WL 15A
WL 15D
WL 17A
WL 17B
WL 18A
WL 18B
WL 20C
WL 20D
WL 20E
WL 21B
WL 23/24

# Table 5-11 Shoreline Anchoring and Dissipation of Erosive Forces



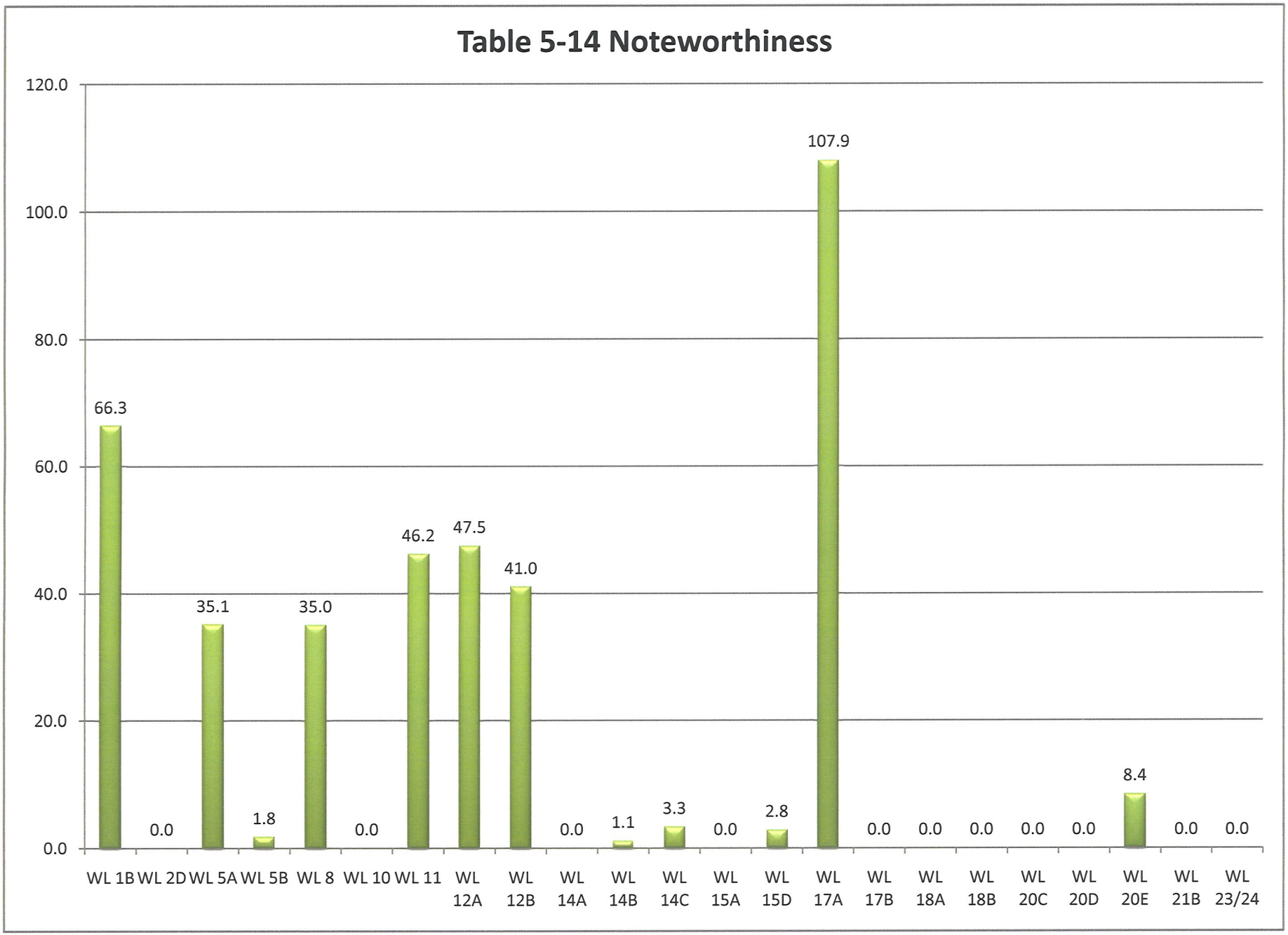


Table 5-14 Noteworthiness
120.0
100.0
80.0
60.0
40.0
20.0
0.0
66.3
0.0
35.1
1.8
35.0
0.0
46.2
47.5
41.0
0.0
1.1
3.3
0.0
2.8
107.9
0.0
0.0
0.0
0.0
0.0
8.4
0.0
0.0
WL 1B
WL 2D
WL 5A
WL 5B
WL 8
WL 10
WL 11
WL 12A
WL 12B
WL 14A
WL 14B
WL 14C
WL 15A
WL 15D
WL 17A
WL 17B
WL 18A
WL 18B
WL 20C
WL 20D
WL 20E
WL 21B
WL 23/24

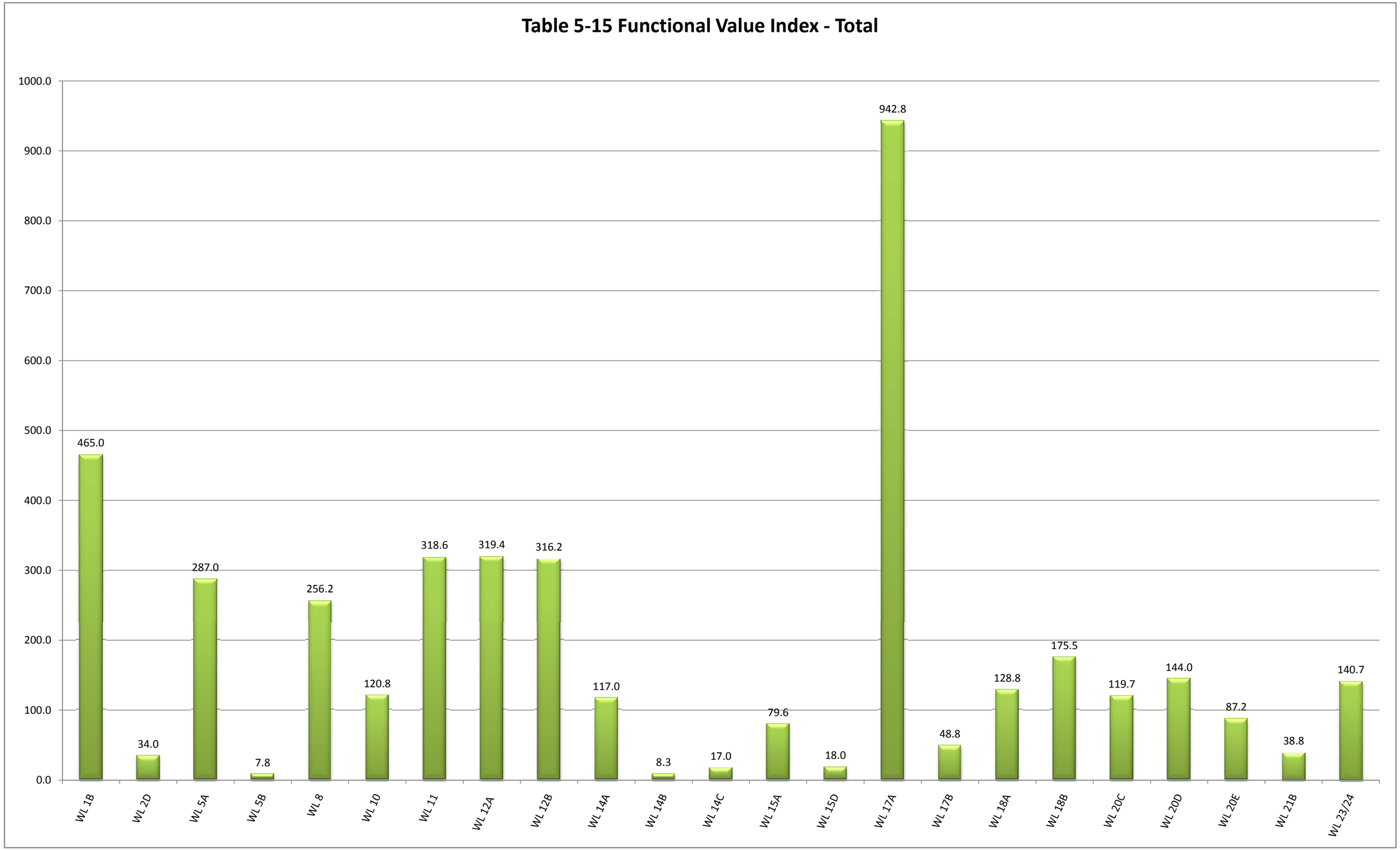


Table 5-15 Functional Value Index - Total
1000.0
900.0
800.0
700.0
600.0
500.0
400.0
300.0
200.0
100.0
0.0
465.0
34.0
287.0
7.8
256.2
120.8
318.6
319.4
316.2
117.0
8.3
17.0
79.6
18.0
942.8
48.8
128.8
175.5
119.7
144.0
87.2
38.8
140.7
WL 1B
WL 2D
WL 5A
WL 5B
WL 8
WL 10
WL 11
WL 12A
WL 12B
WL 14A
WL 14B
WL 14C
WL 15A
WL 15D
WL 17A
WL 17B
WL 18A
WL 18B
WL 20C
WL 20D
WL 20E
WL 21B
WL 23/24

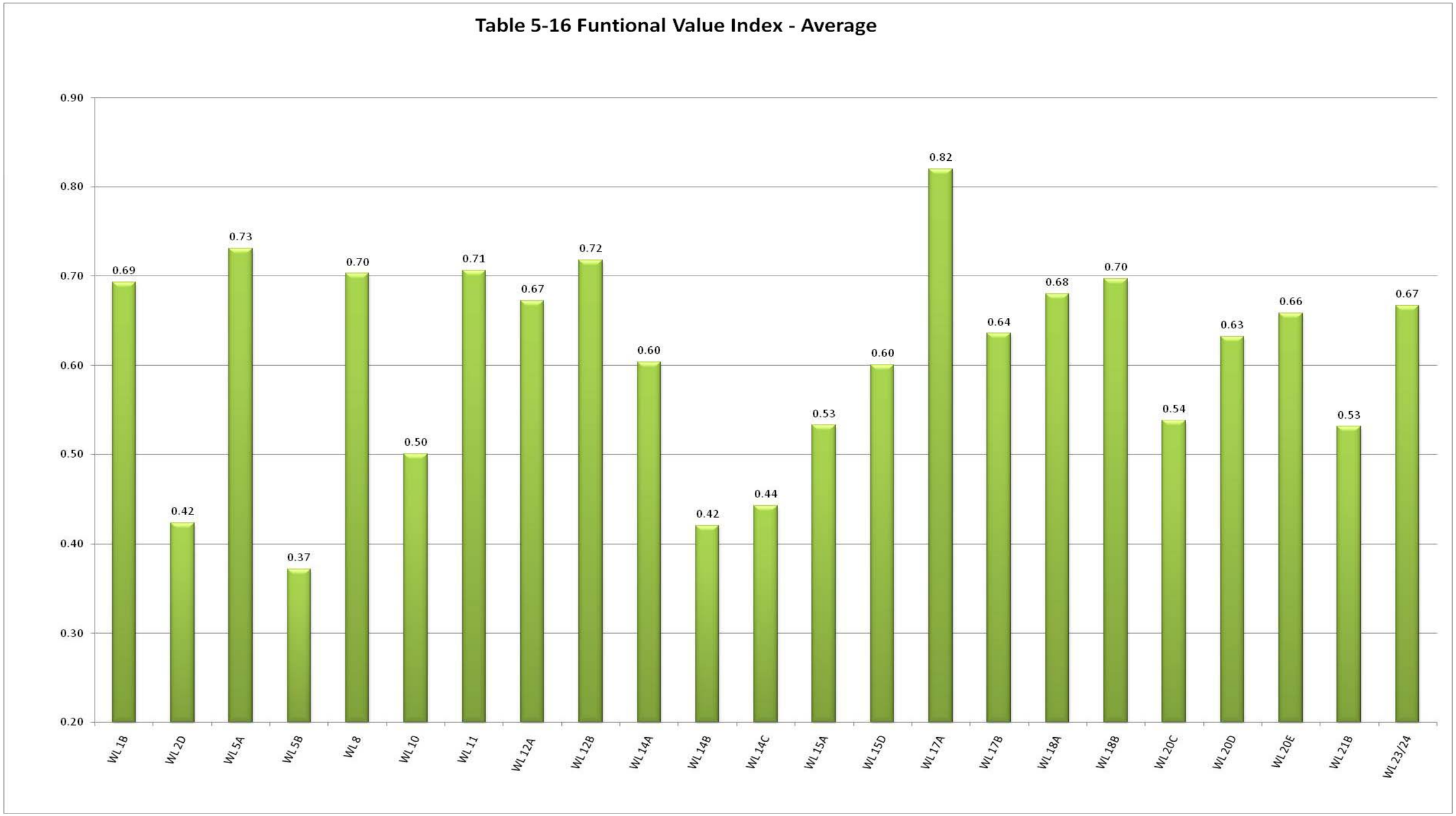


Table 5-16 Funtional Value Index - Average
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.69
0.42
0.73
0.37
0.70
0.50
0.71
0.67
0.72
0.60
0.42
0.44
0.53
0.60
0.82
0.64
0.68
0.70
0.54
0.63
0.66
0.53
0.67
WL 1B
WL 2D
WL 5A
WL 5B
WL 8
WL 10
WL 11
WL 12A
WL 12B
WL 14A
WL 14B
WL 14C
WL 15A
WL 15D
WL 17A
WL 17B
WL 18A
WL 18B
WL 20C
WL 20D
WL 20E
WL 21B
WL 23/24