

APPENDIX IV

Recreational Needs

The recreational needs scoring for the sites reviewed reflects three overall categories: very high need = 3; medium to high need = 2; and low to modest need = 1. The assignment of each site to one of the three categories reflects the analysis of three elements of recreational need, as described below, which were then combined to derive the overall scores.

SCORP Relative Index of Need at County Level

The 1991 State Comprehensive Outdoor Recreation Plan (SCORP) developed the Relative Index of Need for swimming (and other forms of recreation) for the year 2010. It is based upon the ratio in the county of demand for recreational swimming compared to the supply of swimming facilities of all kinds. It is expressed as a ratio of the statewide average and translating it to a value on a scale of 1-10.

A value of 4 or more indicates the need for additional swimming sites within a county before the year 2010. For each of the sites on the list to be reviewed, the index for the county that each site was located in was assigned to the site.

It should be noted that the SCORP data on recreational demand and its calculated Index of Need is ten years old. The updated SCORP analysis is underway, but the results are not likely to change the swimming demand/needs substantially. It is likely that in the study area some additional unmet demands for swimming are probably in Orange and Putnam counties, given their population growth in the past ten years.

Availability and Capacity of Public Swimming Facilities in the Town or City where the Site is Located and in Nearby Municipalities

Data on public beaches with a daily capacity of 125 people or more, daily, was obtained for the municipality where each site is located, as well as surrounding municipalities. It should be noted that the Inventory of swimming facilities provided by OPRHP is self reported by facility operators and not mandatory. Therefore, some smaller facilities could be missed and new larger facilities may await reporting. However, there have not been significant recent increases to the stock of public swimming facilities and missing some smaller ones, primarily private ones, would not alter the analysis to any degree. The scoring is as follows:

Score:

- 6 Poor or none
- 3 Fair, few facilities relative to surrounding population
- 0 Other facilities available with decent capacity relative to surrounding population
- 3 Significant capacity relative to surrounding population

Concentrations of Nearby Populations with Low Mobility and High Needs for Low Cost Publicly Available Swimming Sites

Income data was obtained from the 1990 Census of Population and Housing. Scoring is described below.

Score:

- 6 High concentration = median household incomes in a large number of towns/cities well below the statewide median of \$32,965.
- 3 Moderate concentration = median household income of some towns/cities below the statewide median, or significant pockets of poverty in areas nearby
- 0 Low concentration = median at or above the statewide median for all or almost all of the towns/cities nearby and no large pockets of poverty nearby.

The data on household median incomes, taken from the 1990 Census and representing reported 1989 annual incomes is dated with respect to absolute income levels. However, relative relationships, statewide compared to towns and cities in the Hudson Valley, were the basis of the analysis for element 3, needs of “special populations”. These relative relationships are more stable and having the needed Year 2000 Census income data, probably not available until 2003, would not likely alter the basic scoring for the sites for this factor.

Most likely, current median income in the cities of the Hudson Valley and some older villages would have even greater disparity from the current statewide median household income figure compared to the 1990 relationships. This points to helping ensure that city dwellers have the opportunity to access swimming sites in nearby towns, and that efforts be made to upgrading existing urban swim sites and to consider any new ones where possible.

A final note regarding income levels. With the downsizing of IBM and the loss of high paying jobs in the Hudson Valley in the early 1990’s, especially for Dutchess and Ulster Counties, relative income levels may have been adversely affected. But, the economic

and jobs situation has improved, although the loss of higher paying jobs has not been completely repaired. However, the generally higher average income levels for most communities in these two counties, compared to the statewide figure has very likely been maintained, so the scoring would not likely be affected if Census 2000 median income data was available.

Total Recreational Needs Rating

<u>Raw Score</u>	<u>Need</u>	<u>Tier I Score</u>
15 or higher	High	3
10-14	Medium	2
5-9	Low	1
4 or less		0

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Index of Relative Needs for Recreational Swimming in the Hudson Valley and the Counties of New York City

County	Index*
Albany	4
Rensselaer	4
Greene	3
Columbia	3
Ulster	4
Dutchess	5
Orange	7
Putnam	5
Rockland	7
Westchester	9
Bronx	10
New York (Manhattan)	10

*A value of 4 or more indicates the need for additional swimming sites within the county before the year 2010. The Index reflects the comparison of overall projected demand compared to availability of both public and private swim facilities.

Source: 1991 State Comprehensive Outdoor Recreation Plan (SCORP). New York State Office of Parks, Recreation and Historic Preservation.

Appendix IV

Swimming Capacity Summary by County for the Hudson Valley

County	Total Daily Swimming Facility Capacity*	Total Public Facility Daily Capacity**
Albany	15,150	2,770
Rensselaer	9,840	4,810
Greene	19,280	840
Columbia	6,280	2,560
Ulster	22,630	3,740
Dutchess	26,920	6,520
Orange	8,390	3,420
Putnam	10,730	3,400
Rockland	15,960	8,940
Westchester	14,576	7,270

* Number of persons

**Number of persons served by facilities open to the general public and generally operated by the state or local governments. However, many municipal facilities limit use to residents only. Excludes privately owned or non-profit facilities that have membership requirements.

Source: NYOPRHP Inventory of Recreation Sites

Recreational Needs Analysis - Step II Screening
Hudson River Swimming Facilities

29-Aug-00

Proposed Site Name	County	River Mile	River Shore	Screening Criteria				
				SCORP Index	Availability of Public Facilities	Economically Disadvantaged Concentration	Raw Score	Actual Score
The Federal Dam at Troy, New York		154						
Watervliet Park	Albany	152	W	4	3	6	13	2
Corning Preserve/Hudson Linear Park	Albany	146.5	W	4	3	6	13	2
Rensselaer (North of High School)	Rensselaer	146.5	E	4	3	6	13	2
City of Albany-South End	Albany	145	W	4	6	0	10	2
Henry Hudson Park-Town of Bethlehem	Albany	138.5	W	4	0	3	7	1
Papscanee/Campbell Islands (peninsula)	Rensselaer	138.5	E	4	3	3	10	2
Schodack Island State Park (peninsula)	Rensselaer	135	E	4	6	3	13	2
Bronck Island	Greene*	127.5	W	3	6	6	15	3
Stuyvesant, Office of General Services Land	Columbia**	127	E	3	6	6	15	3
Nutten Hook	Columbia**	125	E	3	6	6	15	3
Coxsackie Riverfront Park	Greene*	125	W	3	6	6	15	3
Gays Point and Stockport Middle Ground Island	Columbia**	122.5	E	3	6	6	15	3
Four Mile Point Road	Greene*	121.5	W	3	6	6	15	3
Middle Ground Flats	Columbia**	119.5		3	6	6	15	3
St. Lawrence Cement Company	Columbia**	118	E	3	6	6	15	3
Rogers Island	Columbia**	115	E	3	6	6	15	3
Dutchman's Landing Park	Greene*	113.5	W	3	3	6	12	2
Greene Point	Greene*	110	W	3	6	6	15	3
Cheviot (Germantown)	Columbia**	106.5	E	3	3	0	6	1
Bristol Beach State Park	Ulster	105	W	4	3	3	10	2
Saugerties Village Beach	Ulster	102.5	E	4	3	3	10	2
Cruger Island	Dutchess	99.5	E	5	3	0	8	1
Barrytown	Dutchess	97.5	E	5	3	0	8	1
Ulster Landing County Park	Ulster	97	W	4	0	3	7	1
Charles Rider Park	Ulster	95.5	W	4	0	3	7	1
Ulster Town Park	Ulster	94.5	W	4	0	3	7	1
Kingston Point Park	ULster	92	W	4	0	6	10	2
Port Ewen	Ulster	90.5	W	4	0	3	7	1
Mills -- Norrie State Park	Dutchess	87	E	5	0	3	8	1
Black Creek Forest Preserve	Ulster	84	W	4	0	3	7	1
Bard Rock	Dutchess	83	E	5	0	3	8	1
Hudson Psychiatric Center (HPC)	Dutchess	78	E	5	0	3	8	1
Marist College	Dutchess	77	E	5	0	3	8	1
Poughkeepsie - Waryas Park	Dutchess	76	E	5	0	6	11	2
Poughkeepsie - Kaal Rock	Dutchess	75	E	5	0	6	11	2
Central Hudson / Traprock	Orange	66 - 67	W	7	3	3	13	2
Dennings Point State Park	Dutchess	60	E	5	0	3	8	1
Eastern Harbor Marine	Orange	64	W	7	3	3	13	2
Kowawese Unique Area at Plum Point	Orange	58	W	7	3	3	13	2

Scorp Index	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Public Facilities Available Nearby	
6	None
3	Fair
0	Good

Concentration of Low and Moderate Income Households	
6	High
3	Moderate
0	Low

Overall Needs		
Raw Score	Need	Actual Score
15 +	High	3
10 to 14	Medium	2
5 to 9	Low	1
4 -		0

Recreational Needs Analysis - Step II Screening
Hudson River Swimming Facilities

29-Aug-00

Proposed Site Name	County	River Mile	River Shore	Screening Criteria				
				SCORP Index	Availability of Public Facilities	Economically Disadvantaged Concentration	Raw Score	Actual Score
Little Stony Point (Sandy Beach)	Putnam	55	E	5	3	3	11	2
Constitution Island	Putnam	53.5	E	5	3	3	11	2
Iona Island	Rockland	45	W	7	0	0	7	1
Verplanck - Consolidated Edison of NY, Inc.	Westchester	41	E	9	3	0	12	2
Stony Point State Historic Park	Rockland	40	W	7	0	3	10	2
George's Island	Westchester	39.5	E	9	3	0	12	2
Oscawana	Westchester	39	E	9	3	0	12	2
Riverfront Park	Rockland	39	W	7	0	3	10	2
Rockland County Park	Rockland	37.5	W	7	0	3	10	2
Bowline Point	Rockland	37	W	7	0	3	10	2
Croton on Hudson	Westchester	37	E	9	3	3	15	3
Crawbuckie Park	Westchester	36.5	E	9	3	3	15	3
Croton Point/Westchester County Park	Westchester	36	E	9	3	3	15	3
Ossining, Louis H. Engle, Jr. Park	Westchester	33.5	E	9	3	3	15	3
Nyack Beach State Park	Rockland	30.5	W	7	0	3	10	2
Nyack Memorial Park	Rockland	28.5	W	7	0	0	7	1
Kingsland Point County Park	Westchester	28	E	9	6	3	18	3
"BA" Beach Tarrytown	Westchester	26	E	9	6	3	18	3
Piermont Pier	Rockland	25	W	7	0	0	7	1
Dobbs Ferry	Westchester	23	E	9	6	3	18	3
Hudson River Park	Manhattan	3.5	E	10	6	6	22	3
The Battery	Manhattan	0	E					

APPENDIX IV REFERENCES

New York State Office of Parks Recreation and Historic Preservation. 2000. Inventory of Recreation Sites. June 2000.

NYS OPRHP. 1991. State Comprehensive Outdoor Recreation Plan (SCORP).