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R-31-5-4-21
NB- 5 -SS(F)

INITIAL EVALUATION OF POTENTIAL DISPOSAL SITES FOR CONTAMINATED DREDGE MATERIALS

NEW BEDFORD SITE
BRISTOL COUNTY, MASSACHUSETTS

EPA WORK ASSIGNMENT
NUMBER 28-1L43
CONTRACT NUMBER 68-01-6699

NUS PROJECT NUMBER 0725.06

JUNE 1984

NUS CORPORATION

Park West Two
Cliff Mine Road
Pittsburgh, PA 15275
412-788-1080

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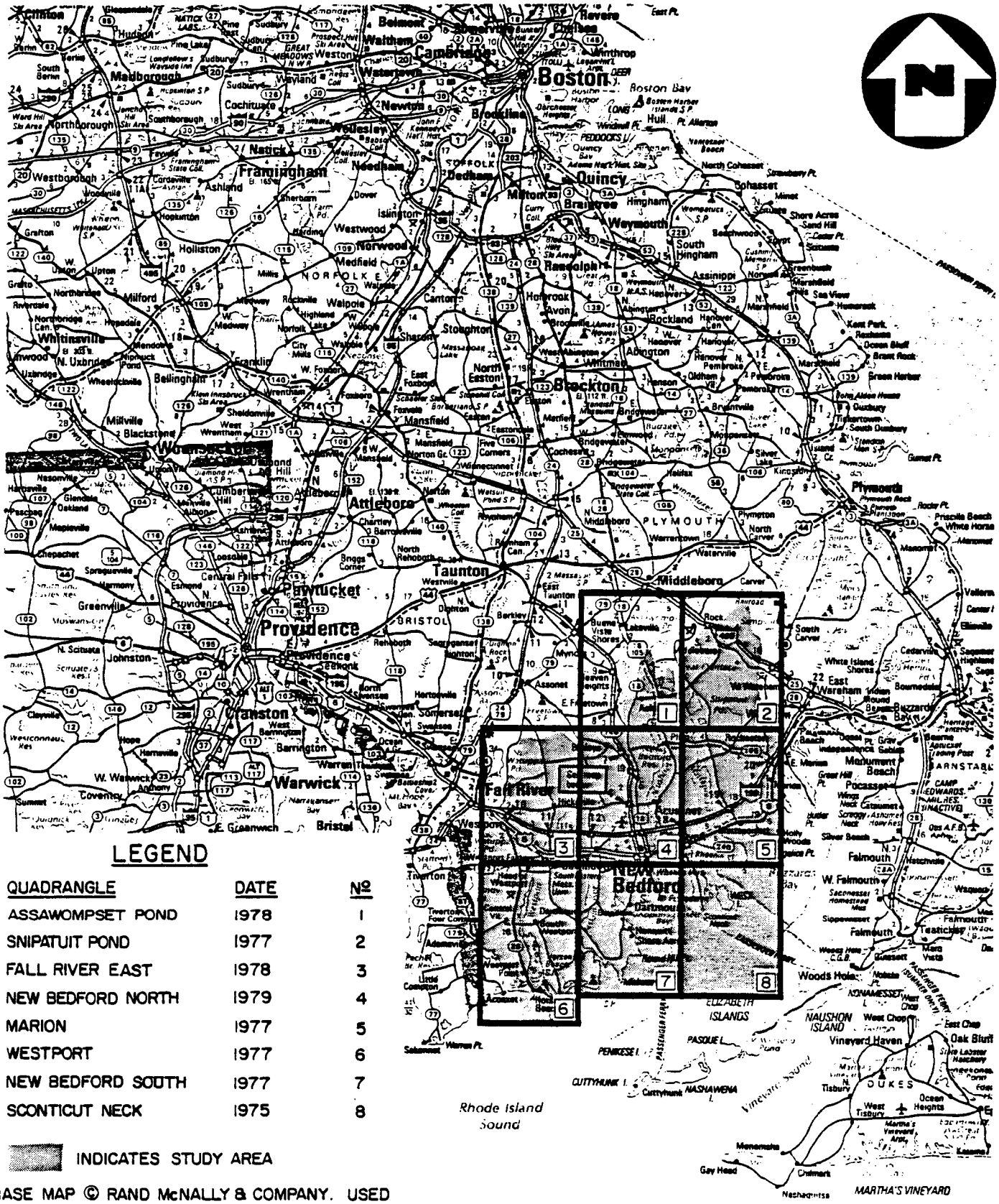
1.0 INTRODUCTION

Many alternatives for remedial action of the environmental contamination within New Bedford and environs involve the removal of contaminated sediment or soil, particularly the large quantities of sediments within the Acushnet River and New Bedford Harbor that contain high levels of PCBs and heavy metals. The successful implementation of such alternatives requires sites for the disposal of the removed materials, including areas necessary for ancillary operations, such as material dewatering or leachate treatment. The objective of the siting study is to conduct several phases of the engineering effort required for the selection and permitting of a hazardous waste disposal site. To date, the initial identification, evaluation, and ranking of potential sites have been completed and are the subject of this interim report. Both upland and shoreline disposal sites have been addressed.

1.1 Study Area

The area of interest for the New Bedford siting study was originally established to be any location within a 10-mile radius of the New Bedford Harbor. However, because of the proximity of topographic and hydrologic divides to the 10-mile radius, the study area eventually became defined by natural features. The northern and western boundaries of the study area now extend to the watershed limits of the Mattapoisett, Westport, Acushnet, and Paskamanset River basins, while the southern and eastern areas are bounded by Buzzards Bay. The study area is shown in Figure 1-1.



LEGEND

QUADRANGLE	DATE	Nº
ASSAWOMPSET POND	1978	1
SNIPATUIT POND	1977	2
FALL RIVER EAST	1978	3
NEW BEDFORD NORTH	1979	4
MARION	1977	5
WESTPORT	1977	6
NEW BEDFORD SOUTH	1977	7
SCONTICUT NECK	1975	8

INDICATES STUDY AREA

FIGURE 1-1

STUDY AREA
NEW BEDFORD SITE, NEW BEDFORD, MA

SCALE: 1" = 9.1 miles

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2.0 UPLAND DISPOSAL SITES

2.1 Identification of Potential Upland Sites

The initial task of the site selection is termed a "critical flaw" analysis, in which available information for the entire area under consideration is reviewed to eliminate any areas that involve features prohibitive to waste disposal site development.

Background information pertinent to the siting study was first collected through agencies and organizations having regulatory control or other direct involvement in the New Bedford problem. Additional information was compiled from regional and local sources and previous miscellaneous studies involving the New Bedford regional area. Types and sources of information included:

- 7-1/2' Topographic Maps - U.S. Geological Survey (U.S.G.S.)
- Hydrologic Investigation Atlas - U.S.G.S.
- Hydrologic Data Report - No. 20 - U.S.G.S.
- Regional Solid Waste Feasibility Study - Southeast Regional Planning and Economic Development District.
- Dartmouth Groundwater Study - Dartmouth Conservation Commission
- Hazardous Waste Siting Board - Department of Environmental Quality Engineering (DEQE)
- Buzzards Bay Water Quality Management Plan - DEQE
- Wetlands Inventory - U.S. Department of Fish & Wildlife

- New England Energy Park - U.S. Department of Energy
- Soil Surveys - U.S. Soil Conservation Service
- Massachusetts River Basin Planning Program Questionnaires - Massachusetts Water Resources Commission

The compiled information was reviewed and analyzed, and a list of preliminary "critical flaw" screening criteria was compiled. These criteria were designed to eliminate large areas from further consideration and to roughly delineate boundaries for prospective sites. The list of criteria was discussed with and commented on by EPA and the Interagency Task Force. The preliminary criteria were either eliminated, designated as exclusionary, or designated as inhibitory. The final list of "critical flaw" criteria follows:

- Developed/populated areas with 1000' buffer - exclusionary.
- State parks, state wildlife management areas, and other state lands not designated for multiple use - exclusionary.
- Watersheds from which public drinking water supplies are withdrawn - exclusionary.
- Highly productive stratified glacial deposits, including aquifers used for public drinking water supplies - exclusionary.
- Wetlands - inhibitory.

The inhibitory designation imposed on wetlands indicates that upland wetland sites were to be considered only if no other site was found and a particular wetland area satisfied other engineering and environmental constraints. As reported in this document, the final list of potential disposal sites did not include any wetland areas.

All areas excluded by the above criteria were identified and superimposed over U.S.G.S. 7-1/2' quadrangle maps of the siting study area. Any areas not covered by these screens were considered for potential disposal sites. A minimum 50-acre size requirement was set for each site based on the expected volume of contaminated sediments to be disposed. Initially, 41 potential sites were identified. One of these sites was eliminated because of its location within a watershed protection district maintained by Fall River, Massachusetts. Another site was eliminated because it involved an active quarry operation, and discussions with the site operator during the field reconnaissance indicated that the active use of the quarry was to continue for the foreseeable future. An additional 17 sites, identified through previous solid waste and regional planning studies, were also maintained for further consideration even though several of these sites are located within the designated exclusion areas.

An initial reduction in the number of sites selected for further study was made based on a reconsideration of the actual transport distance involved. Transport routes were assumed to originate from two points on the Acushnet River: South Main Street in Fairhaven for sites northeast of the river and at Interchange 23 on Interstate 195 for sites west of the river. The routes were chosen based on the most direct path, with factors such as road width, road surface, and population along the route also influencing the choice. The route distances were then calculated and all sites more distant than 10 miles (road distance) from the points of origination were eliminated. Thirty-seven potential upland disposal sites remained following this first phase of the siting study. The screened quad-sheets showing the locations of the potential sites are shown in Appendix A.

2.2 Initial Site Evaluation of Upland Sites

The second phase of the siting study involved an evaluation of the 37 upland sites identified during the initial screening effort. This evaluation involved a first-level quantitative ranking. Sites were ranked according to regional factors that included transport distance, route conditions, environmental conditions, and public health considerations. Site-specific factors were also considered, including storage

capacity, current land use, surface conditions, and subsurface conditions. These categories were chosen to reflect the site features important to engineering feasibility, developmental costs, and environmental acceptability.

In preparation for the ranking of sites against these criteria, a limited field reconnaissance of the 37 sites was conducted. The purpose of the site reconnaissance was to field-verify the site information obtained from the review of maps and documents and to identify additional site features that would impact the site selection process. All sites were photographed.

A brief description of the regional and site-specific factors and the assigned ratings follows:

- Storage Capacity

  The potential storage capacity of a site is dictated by the landfill design, including factors such as the usable area of the site, the elevation to which the landfill can safely be filled, and the area occupied by ancillary facilities. Even though each of the 37 sites are considered to be large enough to handle the contaminated sediments from any fast-track remedial action, extra storage capacity is advantageous because it could be used for the disposal of future dredge spoils (e.g. from the lower harbor), it allows for better design flexibility, and it provides a larger buffer zone. The relative storage capacity of each site was roughly estimated by assuming a landfill height of 50 feet above the lowest site elevation and a lesser height at the high elevation so that the top of the landfill would be level. The average height was then calculated and multiplied by the site area to determine the relative site volume available. The resultant storage values were then rated by assigning a score of +1 to the largest of the 37 sites, a score of -1 to the smallest site, and a score between +1 and -1 to all other sites based on a linear interpolation of the storage volumes between the maximum and minimum values.

- Current Land Use

The current land use rating factor rates the relative impact of the loss of the present land use class. In the initial evaluation, this factor refers only to the present land use and does not consider future land uses reflected by local zoning or ownership. This will be considered in the next phase of the evaluation, if deemed important. The land use information was obtained primarily from field observations. Most of the sites contained one or more of the following three land uses: active or inactive quarries or pits, woodlands, and agricultural lands. Limited areas of some sites were also used for waste disposal and habitat conservation. It was felt that the greatest negative impact would be caused from loss of agricultural land because of its scarcity in the New Bedford area, and thus this factor was given a -1 rating. Habitat conservation and water supply areas (encompassing some of the 17 sites from previous studies) were also rated as -1. Woodlands were given a neutral (i.e., 0) rating because of their regional abundance, while pits and quarries were considered most suitable for conversion to landfills strictly in terms of current land use and received +1 ratings.

- Surface Conditions

The surface conditions rating factor pertains to the non-geological site conditions which affect site design and development. Elements considered when developing the surface condition rating included the site slope, cover type, site drainage, and number and size of surface streams present on site. Each element was considered independently in the rating procedure, described as the following.

- Site Slope

Variations in land slope from site to site were not significant enough to affect engineering and development issues, so this element was not used directly in the preliminary evaluation.

- Cover Type

Cover type refers to the vegetation-soil complex which affects the amount of clearing and regrading which must be done before site construction can begin. Three basic cover types at the proposed sites are open fields, woodlands, and open quarries or pits. Based on the ease and cost of clearing, grubbing, and regrading operations, open fields were given the most favorable rating of +1. Woodlands were rated 0. Quarries and pits were rated -1 due to the anticipated need for surface preparation (e.g., grouting of joints and fractures) and possibly regrading prior to their use as disposal sites.

- Site Drainage

A poorly drained site is detrimental to the engineering design and development of a waste disposal facility. The site slope and presence or absence of surface depressions and swampy areas were considered in assigning drainage ratings. Sites were categorized as having good (slope >2%; no depressions), moderate (1% $\leq$ slope $\leq$ 2%; no significant depressions), or poor (slope <1%; depressions) surface drainage characteristics.

- Onsite Streams

Streams originating or flowing through a site will have to be rerouted around the site or piped under the landfill in order to utilize the full potential storage capacity of the site. In order to tie this constraint

to site development, sites were rated based on the presence or absence of streams and the size of the site. Sites with no streams scored +1, large sites with streams scored 0, and small sites with streams scored -1. Large sites are an advantage because the land area excluding the stream and floodplain may be of sufficient size for landfill development without rerouting or piping.

- Subsurface Conditions

Geology and hydrogeology have a great influence on the selection of a site for the future disposal of PCB-contaminated dredge material. A major criterion for evaluation is the permeability of geologic strata beneath the chosen site. Other factors such as sorption capacity are also very important in determining contamination in the soils and the potential for offsite or vertical migration of contaminants. The subsurface factors selected for consideration include soil, depth to bedrock, and depth to groundwater.

- Soil

Any upland disposal area for hazardous wastes will require the use of an impermeable liner. As a result, the importance of surface soil conditions lies only in secondary issues. The permeability of surface soils in areas contiguous to and draining toward the disposal area will control infiltration and thus the amount of surface water that enters the site area. The assigned rating was, therefore, highest (+1) for high permeability soils. Areas with little or no soil cover were assigned the -1 rating.

The presence of a low permeability, dense till strata is often a siting criteria since it would lessen the potential contamination of underlying aquifers. However, all natural soils in the study are of glacial origin. The local till is unsorted or unstratified drift deposited by or

underneath a glacier without reworking by meltwater. It consists of a heterogeneous mixture of clay, silt, sand, gravel and boulders ranging widely in size and shape. Stratified deposits of gravel, sand, silt, and clay may also be located throughout the region, but in general, the natural soils did not warrant specific consideration in this evaluation as an effective barrier to contaminant migration. Low permeability organic soils with a high sorption capacity can also be found in the study area, but such conditions are primarily associated with wetland areas and valley bottoms and are not of importance to the evaluation of upland sites.

- Depth to Bedrock

Groundwater flow and leachate migration patterns are not as predictable in fractured rock aquifers as they are in aquifers with intergranular porosity. This is true because flow and migration are controlled by irregular and unknown fracture patterns in the bedrock. As a result, the ability both to assess the impacts of contamination of bedrock aquifers and to effect a remedial action is significantly reduced. A greater depth to bedrock would lessen the potential for such contamination, and thus the assigned rating is highest for the greatest depths.

- Depth to Groundwater

For several reasons, the depth to groundwater has an important influence on the potential for groundwater contamination. Shallow aquifers would more likely be a major source of groundwater supply and would be more directly linked to surface water systems. A deeper groundwater table would also allow additional response time to contain accidental spills and leaks before the contaminants reach the saturated zone. Contaminant levels can also be attenuated as they move through the unsaturated zone (i.e., they would have a tendency

to be reduced in concentration with distance traveled), but this may not be an important consideration in this study since the overburden materials are relatively permeable and do not contain large amounts of clays or organics. Areas with a lesser depth to groundwater were therefore assigned a lower rating.

- Transport Distance

The most economical location for the containment site, based on transport distance, is as close as possible to the source of contaminated material (i.e., the harbor). As previously mentioned, a maximum 10-mile driving distance to the proposed sites from the harbor has been established. The relative ratings were derived from the following formula: $\frac{-D}{5} + 1$, where D = distance from the harbor to the potential site in miles. This in effect establishes a linear relationship between driving distance and the assigned rating with a range of values between -1 and +1.

- Route Conditions

During the period of dredging activity, heavy truck usage of the roadways between the harbor and the disposal site can be expected. The existing conditions and use of the roadways thus become important elements in site selection. Route conditions considered important include physical characteristics of the roadways, traffic density, and site accessibility. Development along the route is considered under the public health category below.

  - Type and Condition of Road

Physical characteristics of the roadways include width (i.e., number of lanes), construction materials, and grades. Roadways should be wide enough to accommodate the anticipated truck traffic with maximum safety and a minimum of delays. The roadbed itself should be

structurally sound in order to handle the extra weight of trucks hauling sediments. Road grades were determined to be an insignificant factor, since no prolonged grades of over a few percent were encountered. Ratings were established by judging 4-lane primary highways as the best routes and light-duty single lane roadways as the least favorable routes.

- Traffic Density

Local traffic patterns were observed in the field. In most instances, the truck traffic will have little effect on these patterns. On the other hand, the local traffic may have an effect on the truck traffic. To minimize delays or contact with a greater numbers of vehicles, roadways through heavily built-up areas with heavy traffic, numerous stop lights, and rush-hour traffic were rated -1. Roadways with light traffic were rated +1 and roadways with moderate traffic densities were rated 0.

- Site Accessibility

The site access criterion considers various factors relating to the suitability of the site's haul route which were not considered under the Route Conditions, Traffic Density, or Development Along Route criteria. Items that were considered included major intersections, bridges, the availability of existing public access roads to the site, whether existing access to the site was posted (indicating the need for obtaining easements), and the apparent ease or difficulty of constructing any additional access roads that may be necessary. Because of the large number of factors to consider under this criterion, the ratings were necessarily very general and subjective and were based on field observations. Sites with good access were generally sites located adjacent to primary or secondary public highways, or that could be reached directly over well-maintained

existing public access roads. Sites with no direct access that were relatively remote from main roads, sites that were posted, or sites with access that was otherwise restricted by busy road crossings or other factors were given a score of -1.

- Environmental Conditions

Site development will have an effect on the immediate and surrounding environments. Two factors considered under this category are habitat value and surrounding land use, as discussed below.

- Habitat Value

The habitat value criterion considers the impact of losing wildlife habitat to site development. All else being equal, wetlands and salt marshes would be considered to be the most valuable wildlife habitats in the study area. However, because none of the sites contained extensive wetlands, a mixture of woodland, open field, and/or wetland was considered to be the best habitat. For example, a site with a mixture of woodland, wetland, and open field received a score of -1 while a site with mostly woodland and some open field was considered somewhat less valuable habitat and received a score of 0. Because upland forest is the predominant habitat in the study area, the loss of woodland was not considered to be critical. Open quarries and pits were considered to be the least favorable wildlife habitats, and sites containing a large proportion of these areas received a +1 rating.

Onsite conservation areas such as the Fairhaven Conservation Area (Site S-20) and the Tinkham Forest (Site S-22B) were assigned a -1 rating. High-quality onsite tributaries to trout streams and to valuable anadromous fish-producing streams such as the Westport River were also factors which reduced the respective site ratings. Offsite environmental areas, such as the Acushnet Cedar Reservation,

were considered under Surrounding Land Use (see below) and not under Habitat Value.

- Surrounding Land Use

The surrounding land use factor rates the compatibility of a site with the uses of nearby land and the impact the site will have on these uses. The surrounding land use information was obtained primarily from field observations and does not reflect potential future use based on current zoning or ownership. Surrounding land uses included woodland, industrial, services, agriculture, and residential categories. The most sensitive use of land was considered as any largely residential and/or agricultural area with some woodland and services and was therefore given a -1 rating. Areas of primarily woodland with small areas of services, agriculture or residents were given a 0 rating. The woodlands may possibly act as a buffer for a designated site. Uses of land considered least sensitive to the siting of a hazardous waste site included woodland, industrial, and quarries or pits, therefore receiving a +1 rating.

- Public Health Considerations

A major factor and consideration in the siting of any hazardous waste facility is the safety and protection of the general public. To evaluate and eliminate possible health effects, several criteria (buffer zones, receiving streams, development along route, development around site) were examined and rated. Brief descriptions follow.

- Buffer Zones

In order to increase both the safety and aesthetic value for surrounding residents, buffer zones were considered. The best buffer would be obtained with a large, wooded site with flat topography;

thereby increasing the distance to residences and limiting the view of the site. Effects of noise, odors, and dust would be reduced. It would also decrease the chance of any accidental contaminant releases reaching sensitive areas. Sites with these favorable characteristics were rated +1. A medium-sized, wooded site with a relatively flat land surface would be considered adequate for buffer protection and was rated 0, while small open fields with homes readily visible from site would be considered poor under this category and were therefore rated as -1.

- Receiving Streams

The receiving streams criterion considers the potential impact of site development on surface water quality and the fact that surface waters could provide a mode of contaminant transport to offsite areas. Potential problems in obtaining discharge permits are also a factor in the development of a disposal site. To score the sites under the receiving stream category, the water quality classifications of surface water bodies receiving surface runoff (and potentially contaminated discharges) from the sites were identified. Sites contributing surface water runoff to Class A or Class B streams, which were designated as "antidegradation" received a -1 rating. This included all sites except Site S-13 which drains directly into the Acushnet Estuary, and Site S-22C which drains into Aucoot Cove via Aucoot Creek. This indicates that few, if any, upland sites are suitable from a surface water quality regulatory standpoint.

- Development Along Route

Waste shipment and handling may create noise levels that annoy residents living along transportation routes to the site. An accidental spill or leakage of wastes during transport is also possible, causing contaminant releases in urban or other residential areas. In order to

minimize these impacts, routes passing through sparsely populated areas were favored and given a rating of +1, while routes passing through highly developed areas were given an unfavorable rating of -1.

- Development Around Site

  This factor was considered in order to examine the possible adverse health effects of the site on surrounding residents. The farther the site is from populated areas, the greater the chance of mitigating the potential impacts from an accident. With increasing distance comes greater opportunities for fumes to disperse, spills to be contained, or people to be evacuated. In forming the rating, the degree of development around the site was considered. Largely undeveloped, rural areas were considered to be the most positive surroundings. Sites near pockets of residential development were rated negatively.

Table 2-1 provides a summary of these factors and the respective rating values. In those instances where existing information was not sufficient to judge a particular factor at a given site, a neutral rating (i.e., 0) was assigned.

Next, each site ranking factor was assigned a weighting factor that reflects the importance of the respective site factor (i.e., the site factor considered most important received the highest weighting factor). The overall weighting factor for each site factor was then distributed among the subfactors, signifying their relative importance within the main site factor. The weighting factors were developed in conjunction with EPA and are listed in Table 2-2.

Using information obtained in the field and from other compiled sources, each site was evaluated, and site rating scores were developed for each of the site-specific and regional factors in Table 2-1. For each site, the rating and weighting factor values were multiplied and summed over all the factors to yield a final site score. Table 2-3 presents the results of this initial quantitative ranking in order of

TABLE 2-1

SITE RANKING FACTORS AND RATING VALUES

Site-Specific Factors	Rating
Storage Capacity:	$\frac{\text{Volume}}{27{,}495{,}000}$ - 1.062
Current Land Use:	
• Inactive or abandoned quarries or pits; brushy woodland	1
• Active quarries or pits; woodlands	0
• agriculture; habitat conservation; water supply; residential	-1
Surface Conditions:	
• Cover type	
- open fields	1
- woodlands	0
- high relief; quarries or pits	-1
• Site Drainage	
- good (slope >2%)	1
- moderate (1% $\leq$ slope $\leq$ 2%; minor depressions)	0
- poor (slope < 1%; depressions)	-1
• Onsite Streams	
- none present	1
- streams present (large site)	0
- streams present (small site)	-1

TABLE 2-1
SITE RANKING FACTORS AND RATING VALUES
PAGE TWO

Site-Specific Factors	Rating
Subsurface Conditions:	
• Soil	
- sufficient permeability	1
- varying soils; no information	0
- little or no surface soil	-1
• Depth to Bedrock	
- > 20 ft.	1
- 10 ft. $\leq$ x $\leq$ 20 ft.	0
- < 10 ft.	-1
• Depth to Groundwater	
- $\geq$ 20 feet	1
- no information: widely varying, 10 $\leq$ x $\leq$ 20	0
- $\leq$ 10 feet; shallow or perched water table	-1

TABLE 2-1
SITE RANKING FACTORS AND RATING VALUES
PAGE THREE

Regional Factors	Rating
Transport Distance:	$\frac{-D}{5} + 1$ (Where D = distance in miles from harbor to potential site)
Route Conditions	
• Type and Condition of Road	
- excellent 2-lane secondary; 4-lane primary highway	1
- good 2-lane secondary highway	0
- fair, light-duty single lane; narrow 2-lane	-1
• Traffic Density	
- light	1
- moderate	0
- heavy	-1
• Site Accessibility	
- good access	1
- limited access	0
- poor/no access	-1
Environmental Conditions	
• Habitat Value	
- quarries or pits	1
- single habitat, i.e., woodland, wetland, or open field	0
- combined habitats; habitat conservation areas	-1

TABLE 2-1
SITE RANKING FACTORS AND RATING VALUES
PAGE FOUR

Regional Factors	Rating
• Surrounding Land Use	
- woodland; industrial; quarries or pits	1
- primarily woodland with small areas of services, agricultural or residential	0
- largely residential and/or agricultural with some woodland or services	-1
Public Health Considerations	
• Buffer Zones	
- good (large site; wooded; flat topography)	1
- adequate (wooded; relatively flat land surface; medium-size site)	0
- poor (open fields; homes visible from site; small site)	-1
• Receiving Streams	
- no established restriction	1
- Class A, Class B "effluent limited"	0
- Class A, Class B "anti-degradation"	-1
• Development Along Route	
- $\leq$ 10 houses/mile	1
- 10 houses/mile < x $\leq$ 35 houses/mile	0
- > 35 houses/mile	-1

TABLE 2-1
SITE RANKING FACTORS AND RATING VALUES
PAGE FIVE

Regional Factors	Rating
• Development Around Site	
- mostly undeveloped, rural areas	1
- rural; mixture of light residential and undeveloped areas	0
- pockets of residential development	-1

TABLE 2-2

INITIAL SITE EVALUATION WEIGHTING FACTORS

Factor/Sub-Factor	Weighting Factor	Explanation
Storage Capacity	0.3	Not a critical factor since all sites are relatively large and can be engineered to satisfy the anticipated storage requirements.
Current Land Use	0.4	The most critical land uses were previously ruled out as a result of the "critical flaw" criteria.
Surface Conditions	(0.5)*	
- Cover Type	0.1	Not a critical factor since surface preparation would be required regardless of the cover type.
- Site Drainage	0.2	Could require special engineering considerations at additional cost.
- Onsite Streams	0.2	Would require special enginering considerations at additional cost.
Subsurface Conditions	(0.7)	
- Soil	0.1	Engineering requirements for upland chemical landfills override any significant concerns of poor soil conditions. Additional costs may be incurred.
- Depth to Bedrock	0.2	Disposal areas will be surface facilities, and the relatively consistent depth to bedrock within the study area limits its importance.
- Depth to Groundwater	0.4	Potential groundwater impacts are a critical consideration. The depth to the groundwater table is but one of many factors that influence the potential impacts.
Transport Distance	0.3	Incremental cost of more distant hauling should be small relative to the total cost of remediation.

TABLE 2-2
INITIAL SITE EVALUATION WEIGHTING FACTORS
PAGE TWO

Factor/Sub-Factor	Weighting Factor	Explanation
Route Conditions	(0.6)	
- Type/Condition of Road	0.2	Road conditions are not expected to vary considerably between sites, and any necessary improvements would be of relatively low cost.
- Traffic Density	0.2	Most dense traffic patterns would be local to the harbor and New Bedford, and all sites would be similarly affected.
- Site Accessibility	0.2	Additional access roads to particular sites would be of short length and low cost relative to the total cost of remediation.
Environmental Conditions	(0.8)	
- Habitat Value	0.5	A prime consideration due to direct impact at the site and the potential for animal and bird migration from contiguous areas.
- Surrounding Land Use	0.3	Most critical land uses were provided a buffer zone in the "critical flaw" analysis, thereby reducing importance. Public health aspects are addressed below.
Public Health Considerations	(1.3)	
- Buffer Zones	0.3	Buffer zones primarily involve noise and visual issues, and do not represent the principal concerns at a properly operated disposal site.
- Receiving Stream	0.4	Important due to the potential for transport of contaminants to offsite areas with possible contact by the general public.
- Development Along Route	0.1	Only a temporary concern. In addition, even a major spill of wet contaminated sediments would not create a significant hazard due to the relative immobility of the PCB's.
- Development Around Site	0.5	A principal criteria due to potential for contaminant releases via air and water transport routes. Of particular importance during active site operations.

*Numbers in parentheses represent the total weighting factor for a given category, and can be used to compare the perceived relative importance of the categories.

TABLE 2-3

INITIAL QUANTITATIVE RANKING OF UPLAND SITES
NEW BEDFORD, MASSACHUSETTS

Ranking	Site*	Quadrangle	Score
1	S-5	New Bedford North	0.354
2	L-6	Fall River East	0.298
3	L-16	New Bedford North	0.29
4	L-4	Fall River East	0.098
5	S-22A	Marion	0.023
6	L-5	Fall River East	-0.026
7	L-9	New Bedford North	-0.062
8	L-3	Westport	-0.123
9	L-1	Westport	-0.32
10	L-2	Westport	-0.326
11	S-13	New Bedford North	-0.339
12	S-3B	Fall River East	-0.343
13	S-22B	Marion	-0.346
14	S-19	Marion	-0.356
15	S-14	New Bedford North	-0.399
16	S-6	New Bedford North	-0.566
17	S-34	Westport	-0.597
18	S-24	Marion	-0.629
19	S-31	Westport	-0.643
20	S-30	Westport	-0.843
21	L-7	Fall River East	-0.87
22	S-20	Marion	-0.961
23	S-16	New Bedford North	-0.995
24	S-21	Marion	-1.052
25	S-17	New Bedford North	-1.106
26	S-12	New Bedford North	-1.146
27	L-10	New Bedford North	-1.18
28	L-15	New Bedford North	-1.504
29	L-13	New Bedford North	-1.539
30	L-8	New Bedford North	-1.54
31	S-9	New Bedford North	-1.658
32	L-11	Marion	-1.622
33	S-18	New Bedford North	-1.733
34	S-8	New Bedford North	-1.773
35	L-14	New Bedford North	-1.868
36	S-22C	Marion	-2.166
37	S-3A	Fall River East	-2.231

* Sites with an "L" designation are those identified through previous studies, while those with an "S" designation are those resulting from this study.

decreasing site score. The location of a given site can be ascertained by cross-referencing the name of the quadrangle given in Table 2-3 with the USGS quadrangle maps in Appendix A. Detailed summary sheets of the site rankings are provided in Appendix B.

2.3 Results of Initial Evaluation

As indicated in Table 2-3, only five potential upland disposal sites achieved positive scores in the initial quantitative evaluation. Three of these sites (L-6, L-16, and L-4) are sites that were previously identified for potential landfill development in other solid waste and regional planning studies. The high ranking of sites S-5 and S-16 although newly identified in this study, is likewise consistent with the results of previous studies and recent field observations. Sites S-5 is located just east of the Crapo Hill Site (L-9) previously recommended for the development of a regional solid waste landfill. The new site lies just outside the limits of a surface water supply watershed. An active municipal waste disposal area for the towns of Marion and Mattapuisett is located on Tinkham Hill, adjacent to Site 22-A. This disposal site was found during the field reconnaissance. More detailed descriptions of the five highest-ranking sites follow.

2.4 Descriptions of Five Highest Ranking Sites

Upland disposal site S-5 is located in the Town of Dartmouth, approximately 9.9 miles northwest of New Bedford Harbor. The area is presently zoned for general industry. The site is located just south of Crapo Hill and 3/4 mile west of the Bedford Industrial Park. Conduit Road crosses the northwest corner of the site, and a water transmission line runs along its southern border. The center of the Acushnet Cedar Swamp State Reservation lies approximately 1.5 miles south of the site.

Site S-5 has a storage capacity of about 6.29 million cubic yards and is a dense woodland with medium-sized trees and a small area of wetlands. The surrounding area is also primarily woodland and includes a habitat conservation area within the

Acushnet Cedar Swamp. The site has good drainage and no onsite streams. Most of the runoff leaving the pits would enter the Acushnet Cedar Swamp. The soil at the site consists of loose, fine, sandy silt, peat, and dense till. Test borings in the area indicate that bedrock ranges from about 21 to 83 feet in depth. Depth to groundwater ranges from at or near the surface in the wetland area to about 4 to 12 feet in the woodland area. Bedrock at the site consist of schist, gneiss, and granite. A northeast to southwest trending interpreted fault lies about 1 mile west of the site and a north-northwest-south-southeast trending normal fault lies about 1 mile to the east.

Site S-5 has a good buffer zone, which would minimize noise and visual impacts. The area around the site is largely undeveloped and contains a few homes to the east. Development along the major transportation routes consists of about 28.3 houses per mile. An access road to the site would have to be constructed. Trucks hauling from New Bedford Harbor to the site would travel on good, two-lane, secondary roads and primary highway. Traffic density along the route would be light.

Site L-6 is also located in Dartmouth, about 6.7 miles northwest of New Bedford Harbor. It lies about 0.4 miles north of Route 195 and about 0.3 miles east of Reed Road. The site consists of an inactive gravel pit and has a minimum 1.7 million cubic yard storage capacity. It is within an area zoned for single residence and limited industrial. Surrounding land use includes woodland and agricultural areas. No homes border the site.

The site has variable relief due to the gravel pits. No surface soil remains in this quarried area. The site drainage is poor and there is ponded water on site. Any runoff would be received by Noquochoke Lake. Bedrock, which is granite of the Fall River Pluton, is expected to be greater than 20 feet deep. Two faults have been mapped in this area, one possibly crossing the site and a second occurring near its eastern border. The specific location of these faults must be confirmed in the field. Depth to groundwater at the site is estimated to be 15 feet.

Site L-6 has a poor buffer zone capacity. Development along the major roads in the area consists of about 33 homes per mile. A haul road constructed for the gravel pit already provides access to the site. The trucks hauling from New Bedford Harbor would encounter light traffic and travel along fair, secondary roadways.

Site L-16 is also located in an inactive, barren gravel pit. The site is located in the town of Acushnet, near the east bank of the Acushnet River, about 0.6 miles west of Main Street and 0.5 mile south of Leonard Street. This site is 3.5 miles from New Bedford Harbor. It has a minimum 1.7 million cubic yard storage capacity and lies within a residential zoned area. Surrounding land use includes woodland, agriculture, and other services. No homes are adjacent to the site.

Relief at the site is variable due to the presence of the pits. A tributary to the Acushnet River flows across the site, and will carry any runoff to the river. Site drainage is described as moderate. Information on the site vicinity indicates that the granite and gneiss bedrock varies from about 22 to 29 feet deep. The site is approximately 2 miles east of a northeast-southeast trending interpreted fault and 2 miles west of a nearby north-south trending normal fault. The location of the site between the two faults suggests the site may be located on a downthrown block. Till, sand, and gravel are present at the site. The depth to groundwater is estimated to be from 3 to 9 feet.

The site has an adequate buffer area, however the proposed Leonard well site for the Town of Acushnet is located about 1600 feet north of the site. Development along the major roads in the area averages about 51 houses per mile. Trucks hauling from New Bedford would travel along a good 2-lane secondary highway and access the site on an existing haul road.

Site L-4 is located in Dartmouth, 6.7 miles northwest of New Bedford Harbor. It is located in a gravel pit, 0.5 miles north of Route 195 and 0.4 miles west of Reed Road. The site has a minimum storage capacity of 1.7 million cubic yards and is located in an area zoned for single residence and limited industrial. Surrounding

land use consists of woodland, additional gravel pits, and industrial. The woodland areas consist of medium-sized trees, which provide an adequate buffer zone. No homes border the site.

The site drainage is moderate, and one intermittent stream is present at the site. Drainage from the site would enter wetlands to the south, and eventually Noquochoke Lake, a former surface water supply for Fall River. Depth to the granite bedrock is estimated to be greater than 20 feet. As mentioned before in the description of L-6, a northwest to southeast trending fault occurs in the area and a northeast to southwest trending fault occurs to the east of L-4. Those faults must be confirmed in the field. The depth to groundwater is estimated to be about 15 feet.

Trucks hauling from New Bedford would travel on interstates and encounter moderate traffic density. Approximately 33 houses per mile occur along the projected travel route. An access road would have to be built into the site.

Disposal Site S-22A is located within portions of the towns of Rochester, Marion, and Mattapoisett, about 8.1 miles northeast of New Bedford Harbor. It is bordered on the south and east by Route 195 and bordered roughly on the west by Mattapoisett Road and North Street, and to the north by Perry Hill Road. The site has a 31.46 million cubic yard storage capacity and is in an area zoned for rural residence.

The site consists of a woodland area with medium sized trees which provide a good buffer zone. Surrounding land use includes woodland and agricultural areas as well as wetlands habitat and a municipal disposal site and Tinkham Hill. A sewage disposal complex is located approximately one mile to the east of the site in the town of Marion. No homes are immediate to the site.

Several municipal wellfields, set in unconsolidated material, are in the site vicinity. Three Marion public wells are located about 1 mile north of the northern border of the site. Another Marion public well is located over a mile to the

northeast of the site. Mattapoisett public wells are located about 1.2 miles southwest of the site.

The site drainage varies from poor to good. Drainage leaving the site would enter Haskell Swamp, Brook River, and eventually the Sippican River. Unnamed streams and small areas of wetland also occur onsite.

The unconsolidated surficial material at S-22A is till; however, the specific properties of this deposit have not been investigated. Depth to groundwater is expected to vary from at or near the surface to about 4 feet. Bedrock depth is expected to vary from about 10 to 16 feet. The bedrock consists of undivided granite, gneiss, and schist. A northwest to southeast trending interpreted fault occurs about 2 miles west of the site.

Trucks hauling from New Bedford would travel along fair to good secondary highways. The traffic density is expected to be light along the route. Approximately 25 houses per mile are along the haul route. Good access to the site is already available.

3.0 MARINE DISPOSAL SITES

If the development of a suitable upland containment facility for PCB-contaminated sediments is not possible or is found not to be the most feasible alternative, the disposal of some or all of the material in a secure marine disposal site located within the confines of the Acushnet Estuary/New Bedford Harbor system may be the selected action. Disposal of PCB-contaminated sediments in this manner generally violates most recommended and/or legislated criteria. However, a marine containment facility eliminates the creation of a potential PCB source in an otherwise uncontaminated area and offers the additional advantage of avoiding the incremental costs and potential dangers of rehandling and transporting the sediments.

Twelve sites were initially identified as potential marine disposal sites (Figure 3-1, Table 3-1). The nine sites in Figure 3-1 located south of the Coggeshall Street Bridge were previously identified in the draft Environmental Impact Report on the New Bedford - Fairhaven Bridge. The cove site, north of the Coggeshall Street, was identified in the draft Environmental Impact report for the New Bedford Waterfront Park. The three remaining sites, north of the bridge, were identified during this study. Three of the sites (Site 1, the Marsh Island Site, and the South Terminal Site) are actually land-based sites; however, they are considered marine sites because of the possible influence of the harbor on their development.

Because the number of potential marine sites was limited and because the sites are relatively similar and unconventional with respect to chemical waste disposal technology, critical flaw analyses and preliminary site evaluations similar to those performed for the upland sites were not applicable to the marine sites. The major technical considerations of marine site evaluation included the site storage capacity, the distance of the site from anticipated dredging activity, the character of the disposal environment, and possible adverse hydraulic effects of the completed site. Socioeconomic considerations included conflicts with existing land

TABLE 3-1

POSSIBLE MARINE DISPOSAL SITES
NEW BEDFORD HARBOR SITE
NEW BEDFORD, MASSACHUSETTS

Site Number	Location	Description	Estimated Storage Capacity (cy)
1	New Bedford	Cove north of Coggeshall Street Bridge	400,000
1A	New Bedford	Cove Site Extension	145,000
2	Fairhaven-Acushnet	Lowland paralleling Sycamore Road (land based)	735,000
3	Fairhaven	Shoreline north of Coggeshall Street Bridge	175,000
4	Fairhaven	Area between Coggeshall and I-195 Bridges	40,100
5	Fairhaven	Area south of I-195 Bridge	62,000
6	Fairhaven	Marsh Island (land based)	144,000
7	New Bedford	North Terminal	147,000
8	New Bedford	Pope Island Landing Extension	43,000
9	Fairhaven	Crow Island Extension	75,000
10	New Bedford	South Terminal (land based)	238,000
11	New Bedford	South Terminal	25,000
12	Fairhaven	Cove south of Marsh Island	114,000

BASE MAP IS A PORTION OF THE U.S.G.S. NEW BEDFORD NORTH, MA QUADRANGLE (1979) AND A PORTION OF THE NEW BEDFORD SOUTH, MA QUADRANGLE (1977), 7.5 MINUTE SERIES, CONTOUR INTERVAL 10'

FIGURE 3-1

POTENTIAL MARINE DISPOSAL SITES

OF THE ACUSHNET ESTUARY / NEW BEDFORD - FAIRHAVEN HARBOR

NEW BEDFORD SITE, NEW BEDFORD, MA

SCALE: 1" = 2000'

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use, the potential of the closed site to be developed for a useful purpose, and aesthetic impacts of the site. Public health considerations included the adjacent land use and the distance of the site from sensitive receptors.

After considering the technical, socioeconomic, and public health factors associated with the sites, it was concluded that only the five sites should be retained for more detailed evaluation. These include the four sites north of the Coggeshall Street Bridge (Sites 1, 1-A, 2, and 3) and the so-called North Terminal Site (Site 7). Each of these sites has a storage capacity sufficient to hold all of the most heavily contaminated sediments and, in combination, could contain all of the sediments that would be practically removed from the estuary north of the Coggeshall Street Bridge. In addition, these sites are physically close to the areas expected to be dredged if a fast-track remedial dredging program is to be carried out. The possible disadvantages of the recommended sites include potential adverse impacts on the hydraulics of the Acushnet River and the existence of nearby residential areas.

In contrast, the remaining sites are limited in storage capacity, are remote from the proposed fast-track dredging sites, occupy relatively high energy environments, and are generally located where they would have an adverse impact on existing land uses, aesthetics, and sensitive receptors.

Marine Site No. 1 is the "Waterfront Park" site located in New Bedford, Massachusetts on the west bank of the Acushnet River, approximately 1000 feet north of the Coggeshall Bridge. The site extends from Coffin Avenue on the north to Savosyer Street. The entire site comprises 38 acres of which 21.1 acres are tidal cove. Filling of the cove to a depth of about 11 feet would provide for 400,000 cubic yards of dredged material. The project area would provide sufficient space for dewatering sediments. The Massachusetts Division of Waterways proposed the construction of the Waterfront Park at the cove site and has provided an Environmental Impact Report (EIR) which describes this project. The available

volume of the cove is sufficiently large to make its use as a disposal site economically viable. This, combined with a showing of public need for the park, points to continued investigation of this site as a disposal area.

Marine Site No. 1-A is an expansion of Site No. 1. This is accomplished by extending the perimeter containment dike more into the Acushnet River as a straight alignment from Coffin Avenue to a point near the opening under the Coggeshall Street Bridge. This would add about 150,000 cubic yards of disposal volume. However, this extended construction may not be in aesthetic harmony with plans for the future Waterfront Park, and also may complicate construction of the dike due to higher water depths.

Marine Site No. 2 is located along the east bank of the Acushnet River opposite Site No. 1. It occupies a well-defined wetland area, which is just 1 or 2 feet above mean high water level. Its size is approximately 40 feet wide by 3000 feet long, or 51 acres. The capacity for storage of dredged material would be about 735,000 cubic yards. The location is very convenient to dredging operations within the upper river tidal channel. Space is available for use of dewatering basins. The area would be bounded on three sides by a containment dike and on the fourth side by a residentially developed shoreline within the City of Fairhaven.

Marine Site No. 3 is an aquatic site of about 16 acres located in the corner of the channel where Coggeshall Street intersects the east bank of the Acushnet River. This site is in a semi-industrial area slightly removed from residential land use. This site would require a containment dike on two sides. The encapsulation capacity would be 150,000 to 200,000 cubic yards, depending on the available depth of deposits. The location is reasonably convenient to river dredging operations north of Coggeshall Street.

Marine Site No. 7 is the North Terminal Site, located in New Bedford approximately 2,000 feet south of the I-195 Bridge. This site is bounded on the south by an area formed by previous bulkheading and fill operations. Many parties have considered the extension of the existing bulkhead to span the length of Site 7,

with subsequent backfilling of the site for future development purposes. The state of Massachusetts has recently taken a step in this process by issuing a Request for Bid for the bulkhead extension. The use of the Site 7 as a disposal area would therefore be somewhat consistent with current plans, and is a primary factor in why this site has been retained for further study. Approximately 147,000 cubic yards of storage would be available at Site 7.

One issue that could heavily influence the ultimate decision of the use of marine disposal sites is the irreversible destruction of aquatic sites, including saltmarch and/or mudflats. The four sites above the Coggeshall Street Bridge are known to be presently contaminated with PCBs and to a lesser extent heavy metals. The ecosystem in these areas is consequently degraded at the present time, and will be a consideration in future technical and policy decisions. The North Terminal Site is less contaminated, but unauthorized fill and dumping operations have occurred in this area over the years and plans are in progress by other parties to fill and develop the area encompassed by Site 7. In summary, even though it is recognized that the use of any marine site for the disposal of dredge materials will have serious environmental impacts and constraints, the five selected sites should minimize the impacts relative to present conditions and are not inconsistent with current development plans for the harbor.

APPENDIX A

SITE LOCATIONS

LEGEND

RESIDENTIAL DEVELOPMENT PLUS 1000 FOOT BUFFER ZONE

STATE LANDS

STRATIFIED GLACIAL DEPOSITS USED AS GROUNDWATER SUPPLIES

PUBLIC WELL

PRIVATE WELL

PLYMPTOM

ROCKY GUTTER

WILDLIFE MANAGEMENT AREA

MIDDLEBOROUGH

ASSAWOMPSET POND

STUDY AREA BOUNDARY

SITE S-1 (OVER 10 MILES FROM NEW BEDFORD HARBOR)

WAREHAM

MARION

FIGURE A-1

SNIPATUIT POND QUADRANGLE
NEW BEDFORD HARBOR SITING STUDY, NEW BEDFORD, MA

SCALE 1"=4166'

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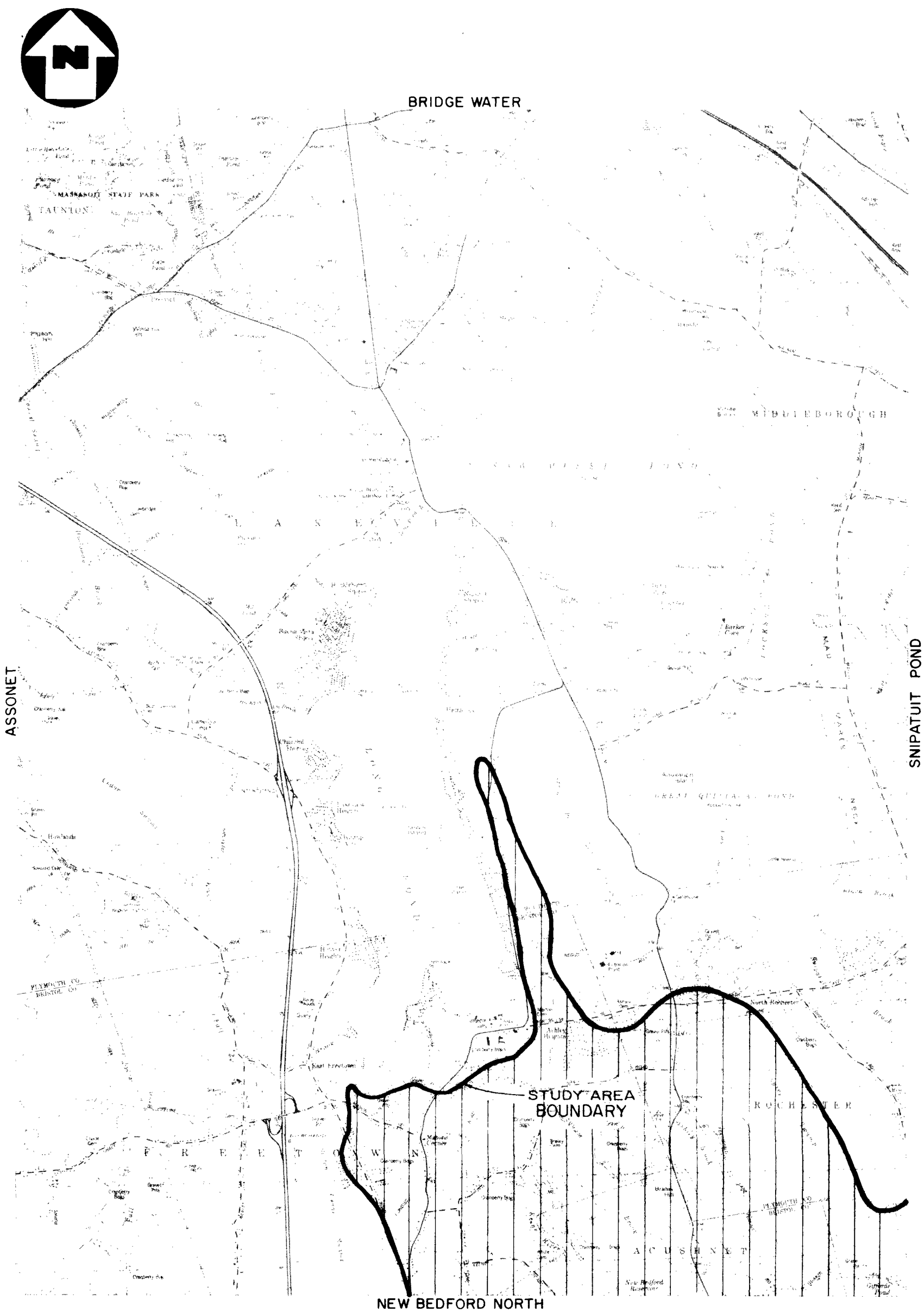
LEGEND

| | | | STRATIFIED GLACIAL DEPOSITS USED AS GROUNDWATER SUPPLIES



ASSAWOPSET POND QUADRANGLE
NEW BEDFORD HARBOR SITING STUDY, NEW BEDFORD, MA

SCALE 1"=4166'

FIGURE A-2

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LEGEND

| | |	STRATIFIED GLACIAL DEPOSITS USED AS GROUNDWATER SUPPLIES
/ / /	WETLANDS
———	RESIDENTIAL DEVELOPMENT PLUS 1000 FOOT BUFFER ZONE
// // //	SUFACE WATER SUPPLY WATERSHEDS

N

FREETOWN FALL RIVER STATE FOREST

STUDY AREA BOUNDARY

FALL RIVER

FALL RIVER SURFACE WATER SUPPLY

SITE S-3A

SITE S-3B

FALL RIVER SURFACE WATER SUPPLY

SITE L-7

RESOLVE HAZARDOUS WASTE SITE

NEW BEDFORD NORTH

SITE L-18

SITE L-5

SITE L-4

SITE L-6

SITE S-4

FALL RIVER SURFACE WATER SUPPLY

WESTPORT

FALL RIVER EAST QUADRANGLE

NEW BEDFORD HARBOR SITING STUDY, NEW BEDFORD, MA

SCALE 1"=4166'

FIGURE A-3

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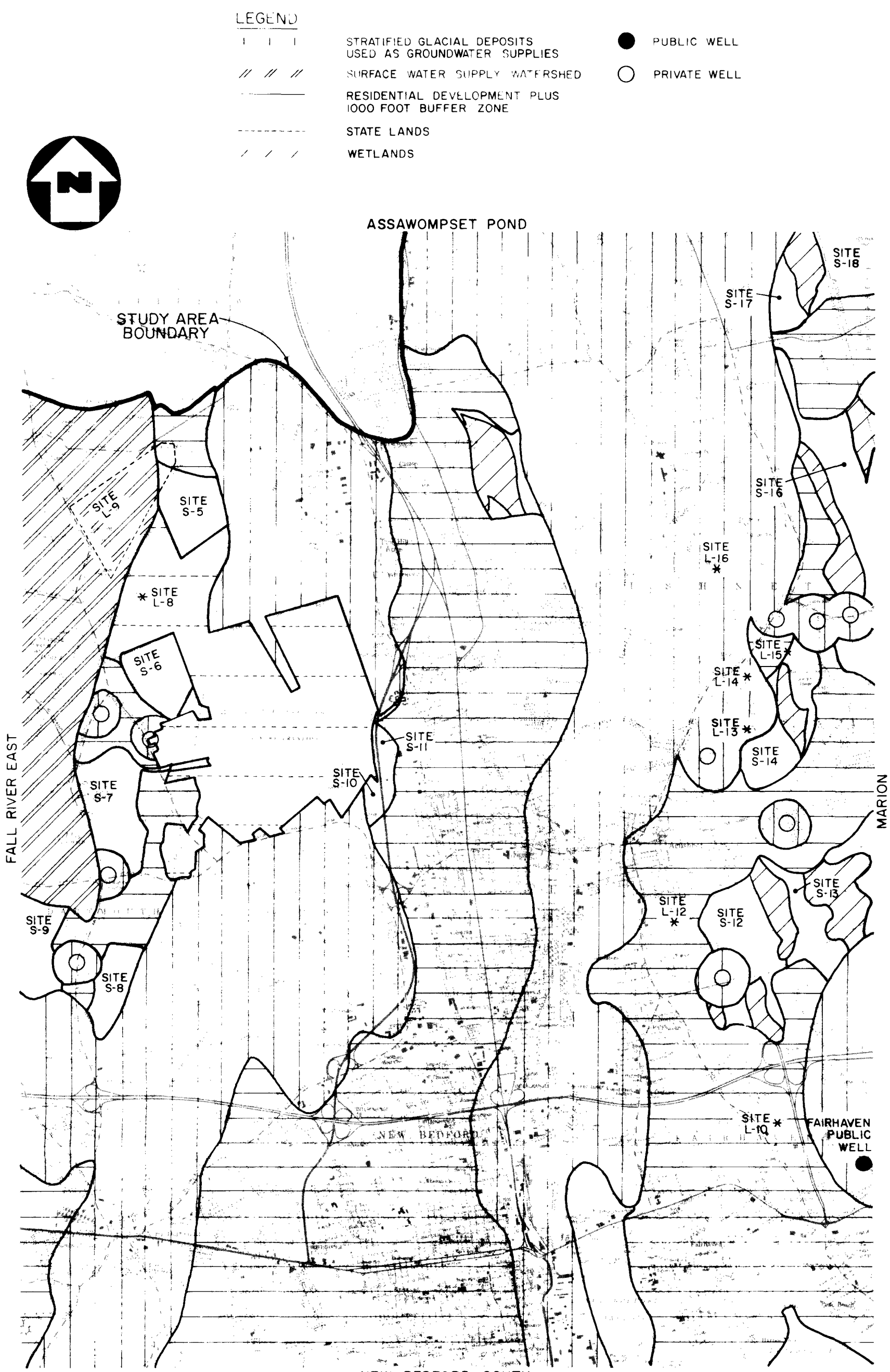

NEW BEDFORD SOUTH

FIGURE A-4

NEW BEDFORD NORTH QUADRANGLE
NEW BEDFORD HARBOR SITING STUDY, NEW BEDFORD, MA

SCALE 1"=4166'

NUS CORPORATION
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LEGEND

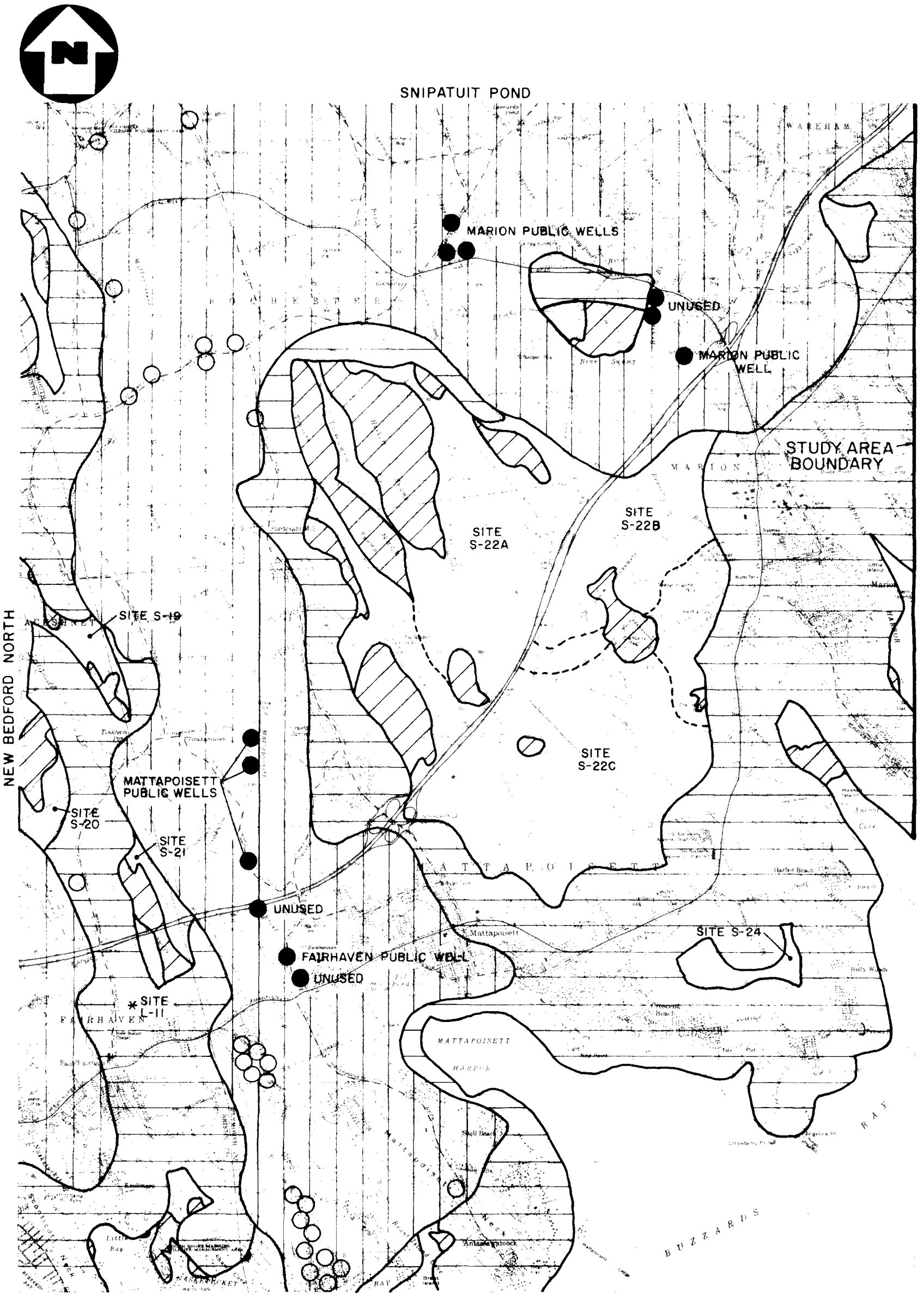
STRATIFIED GLACIAL DEPOSITS USED AS GROUNDWATER SUPPLIES

WETLANDS

RESIDENTIAL DEVELOPMENT PLUS 1000 FOOT BUFFER ZONE

PUBLIC WELL

PRIVATE WELL



MARION QUADRANGLE

NEW BEDFORD HARBOR SITING STUDY, NEW BEDFORD, MA

SCALE 1" = 4166'

FIGURE A-5

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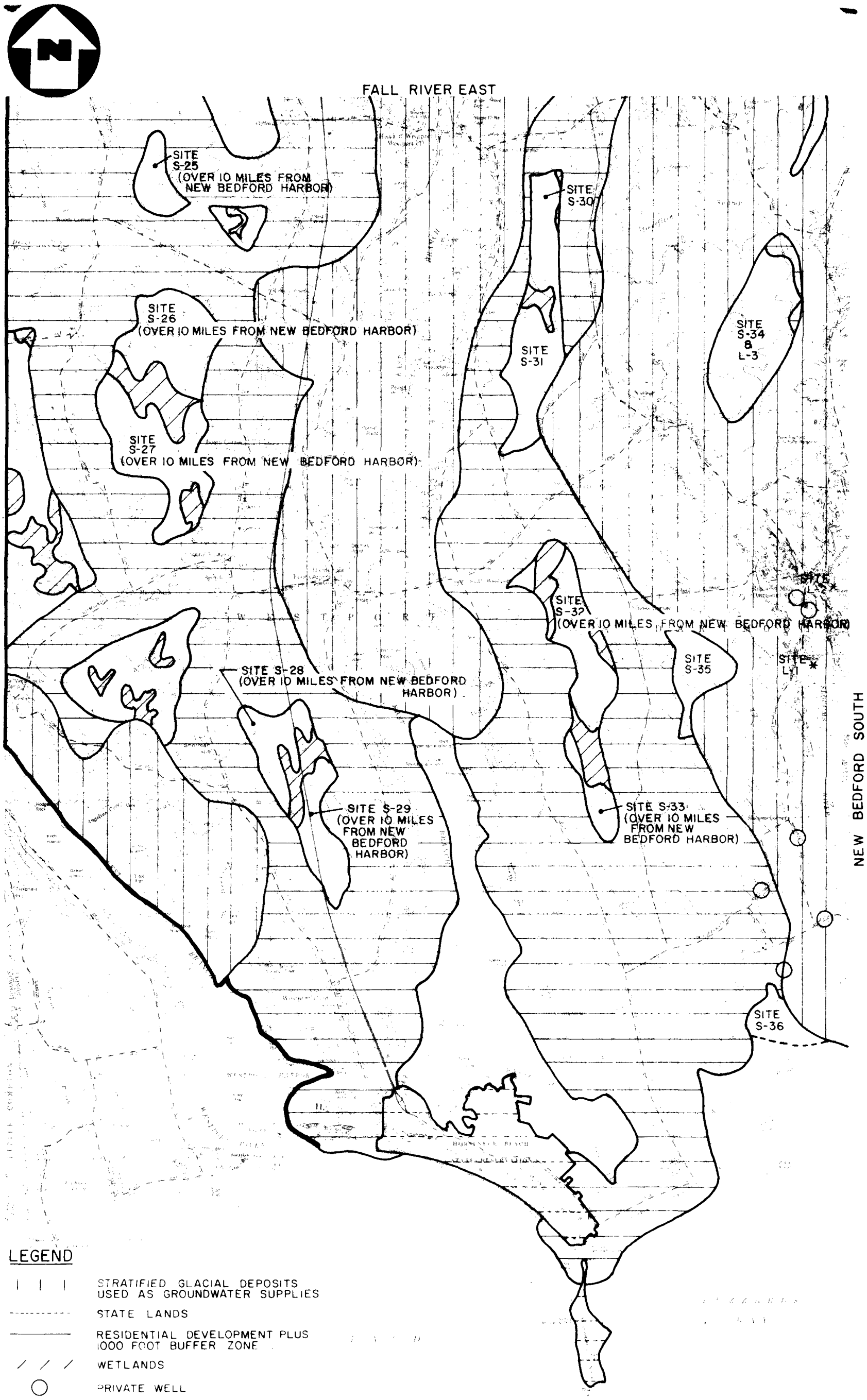

WESTPORT QUADRANGLE

NEW BEDFORD HARBOR SITING STUDY, NEW BEDFORD, MA

SCALE 1"=4166'

FIGURE A-6

NUS CORPORATION

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LEGEND

RESIDENTIAL DEVELOPMENT PLUS 1000 FOOT BUFFER ZONE

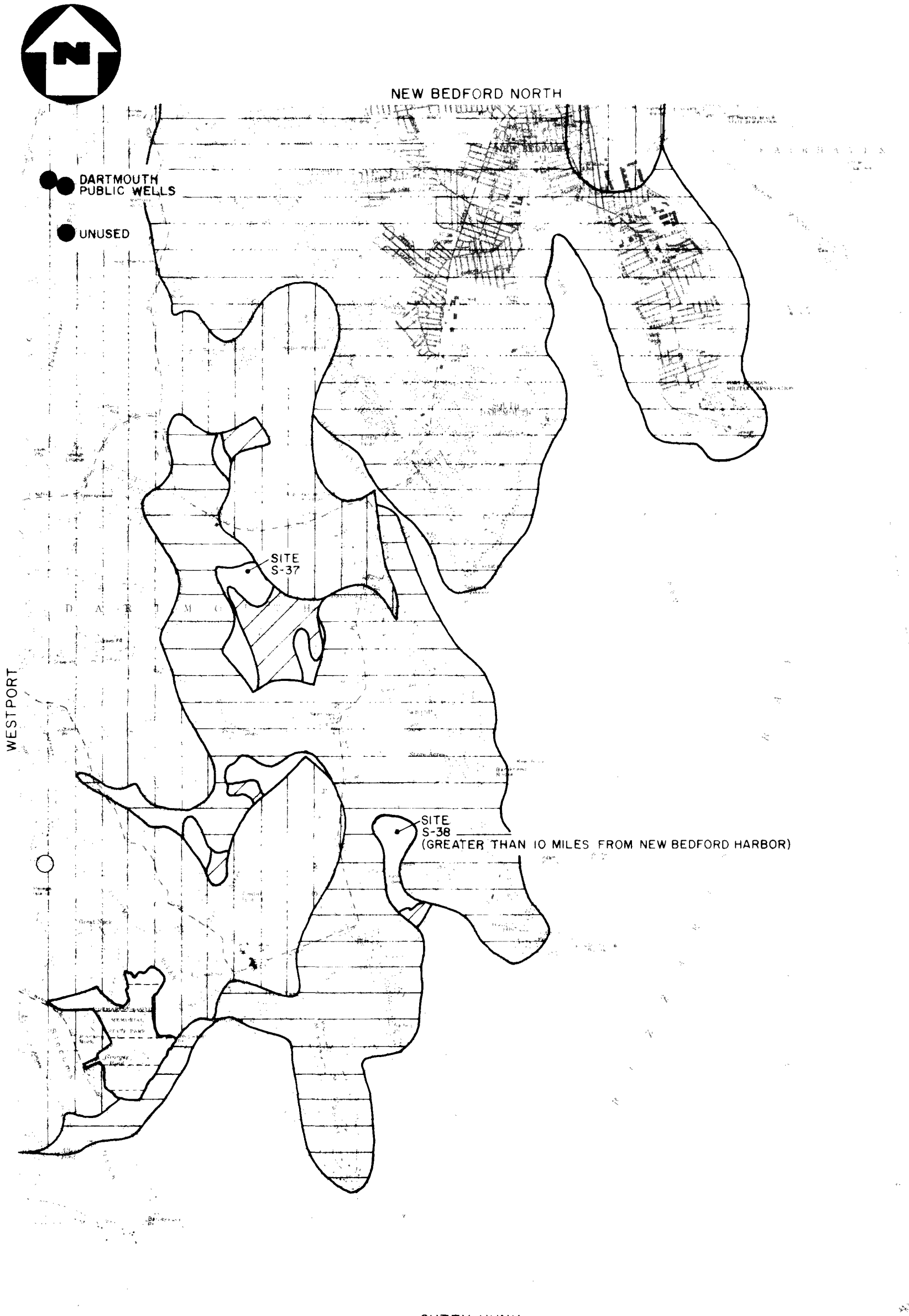
STATE LANDS

STRATIFIED GLACIAL DEPOSITS USED AS GROUNDWATER SUPPLIES

WETLANDS

PUBLIC WELL

PRIVATE WELL



NEW BEDFORD SOUTH QUADRANGLE
NEW BEDFORD HARBOR SITING STUDY, NEW BEDFORD, MA
SCALE 1"= 4166'

FIGURE A-7

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APPENDIX B

INITIAL QUANTITATIVE EVALUATION

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-5

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	6290000 CU. YD.	-0.84	0.3	-0.252
CURRENT LAND USE	WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	DENSE WOODLAND;MEDIUM-SIZE TREES	0	0.1	0
SITE DRAINAGE	GOOD	1	0.2	0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.4
SUBSURFACE CONDITIONS				
SOIL	LOOSE FINE SANDY-SILT;PEAT,DENSE TILL	1	0.1	0.1
DEPTH TO BEDROCK	21,47,50,56,66,83 FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	WETLAND AT/NEAR SURFACE;4.0 - 12.0 FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.1
REGIONAL FACTORS				
TRANSPORT DISTANCE	9.9 MILES	-0.98	0.3	-0.294
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD 2-LANE;SECONDARY,PRIMARY HIGHWAY	1	0.2	0.2
TRAFFIC DENSITY	LIGHT	1	0.2	0.2
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND	0	0.5	0
SURROUNDING LAND USE	PRIMARILY WOODLAND;HABITAT CONSERVATION	0	0.3	0
SUBTOTAL			0.8	0
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	GOOD	1	0.3	0.3
RECEIVING STREAMS	ACUSHNET CEDAR SWAMP	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	28.3 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	LARGELY UNDEVELOPED;FEW HOMES TO EAST	1	0.5	0.5
SUBTOTAL			1.3	0.4
FINAL SITE SCORE				0.354

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-6

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	1700000 CU. YD. (EST. AT MIN.)	-1	0.3	-0.3
CURRENT LAND USE	INACTIVE GRAVEL PIT	1	0.4	0.4
SURFACE CONDITIONS				
COVER TYPE	GRAVEL PITS,HIGH RELIEF	-1	0.1	-0.1
SITE DRAINAGE	POOR	-1	0.2	-0.2
ONSITE STREAMS	PONDED WATER	-1	0.2	-0.2
SUBTOTAL			0.5	-0.5
SUBSURFACE CONDITIONS				
SOIL	NO SURFACE SOIL,LOCATED IN GRAVEL PIT	-1	0.1	-0.1
DEPTH TO BEDROCK	>20FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	15FT.	0	0.4	0
SUBTOTAL			0.7	0.1
REGIONAL FACTORS				
TRANSPORT DISTANCE	6.7 MILES	-0.34	0.3	-0.102
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	LIGHT	1	0.2	0.2
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0.4
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	BARREN GRAVEL PITS;WOODLAND	1	0.5	0.5
SURROUNDING LAND USE	WOODLAND;AGRICULTURE	0	0.3	0
SUBTOTAL			0.8	0.5
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	POOR	-1	0.3	-0.3
RECEIVING STREAMS	NOQUCHOKE LAKE	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	33.3 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	UNDEVELOPED	1	0.5	0.5
SUBTOTAL			1.3	-0.2
FINAL SITE SCORE				0.298

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-16

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	1700000 CU. YD. (EST. AT MIN.)	-1	0.3	-0.3
CURRENT LAND USE	INACTIVE GRAVEL PIT	1	0.4	0.4
SURFACE CONDITIONS				
COVER TYPE	GRAVEL PIT;HIGH RELIEF	-1	0.1	-0.1
SITE DRAINAGE	MODERATE	0	0.2	0
ONSITE STREAMS	ONE STREAM	-1	0.2	-0.2
SUBTOTAL			0.5	-0.3
SUBSURFACE CONDITIONS				
SOIL	NOT INVESTIGATED,TILL PRESENT	0	0.1	0
DEPTH TO BEDROCK	>22FT.,>27FT.,>29FT.	0	0.2	0
DEPTH TO GROUNDWATER	3FT.,9FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.4
REGIONAL FACTORS				
TRANSPORT DISTANCE	3.5 MILES	0.3	0.3	0.09
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD 2-LANE SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	HEAVY	-1	0.2	-0.2
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	BARREN GRAVEL PIT	1	0.5	0.5
SURROUNDING LAND USE	WOODLAND;AGRICULTURE;SERVICES	1	0.3	0.3
SUBTOTAL			0.8	0.8
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	ACUSHNET RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	51.4 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	UNDEVELOPED	1	0.5	0.5
SUBTOTAL			1.3	0
FINAL SITE SCORE				0.29

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-4

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	1700000 CU. YD. (EST. AT MIN.)	-1	0.3	-0.3
CURRENT LAND USE	WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND,MEDIUM-SIZED TREES	0	0.1	0
SITE DRAINAGE	MODERATE	0	0.2	0
ONSITE STREAMS	ONE INTERMITTENT	0	0.2	0
SUBTOTAL			0.5	0
SUBSURFACE CONDITIONS				
SOIL	NO SURFACE SOIL,LOCATED IN GRAVEL PIT	-1	0.1	-0.1
DEPTH TO BEDROCK	>20FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	15FT.	0	0.4	0
SUBTOTAL			0.7	0.1
REGIONAL FACTORS				
TRANSPORT DISTANCE	6.7 MILES	-0.34	0.3	-0.102
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	INTERSTATE	1	0.2	0.2
TRAFFIC DENSITY	MODERATE	0	0.2	0
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND	0	0.5	0
SURROUNDING LAND USE	WOODLAND;GRAVEL PITS;INDUSTRIAL	1	0.3	0.3
SUBTOTAL			0.8	0.3
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	NOQUOCHOKE LAKE	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	33.3 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	UNDEVELOPED	1	0.5	0.5
SUBTOTAL			1.3	0.1
FINAL SITE SCORE				0.098

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-22A

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	31460000 CU. YD.	0.03	0.3	0.009
CURRENT LAND USE	WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND,MEDIUM-SIZED TREES	0	0.1	0
SITE DRAINAGE	POOR TO GOOD	0	0.2	0
ONSITE STREAMS	ONE STREAM	0	0.2	0
SUBTOTAL			0.5	0
SUBSURFACE CONDITIONS				
SOIL	NOT INVESTIGATED,TILL PRESENT	0	0.1	0
DEPTH TO BEDROCK	>10FT.,>12FT.,>16FT.	0	0.2	0
DEPTH TO GROUNDWATER	0FT.,1FT.,4FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.4
REGIONAL FACTORS				
TRANSPORT DISTANCE	8.1 MILES	-0.62	0.3	-0.186
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR/GOOD SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	LIGHT	1	0.2	0.2
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0.4
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND;SOME WETLANDS	-1	0.5	-0.5
SURROUNDING LAND USE	WOODLAND;WASTE DISPOSAL;AGRICULTURE	1	0.3	0.3
SUBTOTAL			0.8	-0.2
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	GOOD	1	0.3	0.3
RECEIVING STREAMS	HASKELL SWAMP;BROOK RIVER;SIPPICAN RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	24.8 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	UNDEVELOPED	1	0.5	0.5
SUBTOTAL			1.3	0.4
FINAL SITE SCORE				0.023

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-5

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	1700000 (EST. AT MIN.)	-1	0.3	-0.3
CURRENT LAND USE	INACTIVE GRAVEL PITS	1	0.4	0.4
SURFACE CONDITIONS				
COVER TYPE	BRUSHY WOODLANDS;GRAVEL PITS;LOW RELIEF	0	0.1	0
SITE DRAINAGE	GOOD	1	0.2	0.2
ONSITE STREAMS	ONE STREAM	-1	0.2	-0.2
SUBTOTAL			0.5	0
SUBSURFACE CONDITIONS				
SOIL	NO SURFACE SOIL;SITE IN GRAVEL PIT	-1	0.1	-0.1
DEPTH TO BEDROCK	>20FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	15FT.	0	0.4	0
SUBTOTAL			0.7	0.1
REGIONAL FACTORS				
TRANSPORT DISTANCE	7.1 MILES	-0.42	0.3	-0.126
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR 2-LANE SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	LIGHT	1	0.2	0.2
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0.4
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	BRUSHY WOODLAND;GOOD QUALITY STREAM	0	0.5	0
SURROUNDING LAND USE	WOODLAND;AGRICULTURE;RESIDENTIAL	-1	0.3	-0.3
SUBTOTAL			0.3	-0.3
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	POOR	-1	0.3	-0.3
RECEIVING STREAMS	NOQUCHOKE LAKE	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	31.7 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	RURAL RESIDENTIAL;UNDEVELOPED	1	0.5	0.5
SUBTOTAL			1.3	-0.2
FINAL SITE SCORE				-0.026

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-9

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	9120000 CU. YD.	-0.74	0.3	-0.222
CURRENT LAND USE	WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND,MEDIUM-SIZED TREES	0	0.1	0
SITE DRAINAGE	MODERTE	0	0.2	0
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.2
SUBSURFACE CONDITIONS				
SOIL	FINE-MED. SAND,SILTY SAND,TILL PRESENT	1	0.1	0.1
DEPTH TO BEDROCK	NOT INVESTIGATED	0	0.2	0
DEPTH TO GROUNDWATER	4FT.-12FT.	0	0.4	0
SUBTOTAL			0.7	0.1
REGIONAL FACTORS				
TRANSPORT DISTANCE	9 MILES	-0.8	0.3	-0.24
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR 2-LANE SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	LIGHT	1	0.2	0.2
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND	0	0.5	0
SURROUNDING LAND USE	WOODLAND;AGRICULTURE	0	0.3	0
SUBTOTAL			0.8	0
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	SHINGLE ISLAND RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	31.1 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	RURAL RESIDENTIAL;UNDEVELOPED	1	0.5	0.5
SUBTOTAL			1.3	0.1
FINAL SITE SCORE				-0.062

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-3 (S-34)

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	29380000 CU. YD.	-0.05	0.3	-0.015
CURRENT LAND USE	WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND,MEDIUM-SIZED TREES	0	0.1	0
SITE DRAINAGE	GOOD	1	0.2	0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.4
SUBSURFACE CONDITIONS				
SOIL	VARIES-PEAT,SAND,TILL PRESENT	0	0.1	0
DEPTH TO BEDROCK	>28FT.,>39FT.,>46FT.>49FT.,>51FT.,100FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	0FT.,2FT.,3FT.,4FT.;IN BEDROCK,30FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.2
REGIONAL FACTORS				
TRANSPORT DISTANCE	6.8 MILES	-0.36	0.3	-0.108
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR/GOOD 2-4-LANE HIGHWAYS	1	0.2	0.2
TRAFFIC DENSITY	LIGHT TO HEAVY	0	0.2	0
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND	0	0.5	0
SURROUNDING LAND USE	WOODLAND;AGRICULTURE;RIFLE RANGE	0	0.3	0
SUBTOTAL			0.8	0
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	1	0.3	0.3
RECEIVING STREAMS	DESTRUCTION BROOK;SLOCUMS RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	71.5 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;UNDEVELOPED	0	0.5	0
SUBTOTAL			1.3	-0.2
FINAL SITE SCORE				-0.123

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-1

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	1700000 CU. YD. (EST. AT MIN.)	-1	0.3	-0.3
CURRENT LAND USE	GRAVEL PITS;WOODLAND	1	0.4	0.4
SURFACE CONDITIONS				
COVER TYPE	BARREN GRAVEL PITS;LOW RELIEF	0	0.1	0
SITE DRAINAGE	MODERATE	0	0.2	0
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.2
SUBSURFACE CONDITIONS				
SOIL	GRAVEL PIT	-1	0.1	-0.1
DEPTH TO BEDROCK	>12FT.,>13FT.,>17FT.,>18FT.,>21FT.	0	0.2	0
DEPTH TO GROUNDWATER	10FT.,12FT.	0	0.4	0
SUBTOTAL			0.7	-0.1
REGIONAL FACTORS				
TRANSPORT DISTANCE	14 MILES	-1.4	0.3	-0.42
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	MODERATE	0	0.2	0
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	BARREN GRAVEL PITS;BRUSHY WOODLAND	1	0.5	0.5
SURROUNDING LAND USE	WOODLAND;RESIDENTIAL	0	0.3	0
SUBTOTAL			0.8	0.5
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	HOMES VISIBLE ACROSS SLOCUM'S RIVER	-1	0.3	-0.3
RECEIVING STREAMS	SLOCUMS RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	44.7 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;RURAL	0	0.5	0
SUBTOTAL			1.3	-0.8
FINAL SITE SCORE				-0.32

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-2

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	7000000 CU. YD.	-0.82	0.3	-0.246
CURRENT LAND USE	GRAVEL PITS;WOODLAND	1	0.4	0.4
SURFACE CONDITIONS				
COVER TYPE	BARREN GRAVEL PITS;HIGH RELIEF	-1	0.1	-0.1
SITE DRAINAGE	GOOD	1	0.2	0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.3
SUBSURFACE CONDITIONS				
SOIL	GRAVEL PIT,NO SOIL AT SURFACE	-1	0.1	-0.1
DEPTH TO BEDROCK	42FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	NO DATA,NO WATER OBERSERVED (FIELD RECON	0	0.4	0
SUBTOTAL			0.7	0.1
REGIONAL FACTORS				
TRANSPORT DISTANCE	13 MILES	-1.6	0.3	-0.48
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	MODERATE	0	0.2	0
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	BARREN GRAVEL PITS;BRUSHY WOODLAND	1	0.5	0.5
SURROUNDING LAND USE	RESIDENTIAL;AGRICULTURE	-1	0.3	-0.3
SUBTOTAL			0.8	0.2
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	HOMES VISIBLE FROM SITE	-1	0.3	-0.3
RECEIVING STREAMS	SLOCUMS RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	47.7 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;RURAL	0	0.5	0
SUBTOTAL			1.3	-0.8
FINAL SITE SCORE				-0.326

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-13

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	7100000 CU. YD.	-0.81	0.3	-0.243
CURRENT LAND USE	WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND	0	0.1	0
SITE DRAINAGE	POOR	-1	0.2	-0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0
SUBSURFACE CONDITIONS				
SOIL	NOT INVESTIGATED	0	0.1	0
DEPTH TO BEDROCK	0-18FT.	0	0.2	0
DEPTH TO GROUNDWATER	IN BEDROCK,5FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.4
REGIONAL FACTORS				
TRANSPORT DISTANCE	1.6 MILES	0.68	0.3	0.204
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	POOR LIGHT-DUTY	-1	0.2	-0.2
TRAFFIC DENSITY	LIGHT	1	0.2	0.2
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	-0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	LARGELY WOODLAND;SOME WETLAND	-1	0.5	-0.5
SURROUNDING LAND USE	WOODLAND;HABITAT CONSERVATION TO EAST	0	0.3	0
SUBTOTAL			0.8	-0.5
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	GOOD	1	0.3	0.3
RECEIVING STREAMS	NASHKETUCKETTA,ACUSHNET RIVERS	0	0.4	0
DEVELOPMENT ALONG ROUTE	18.5 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	RURAL;UNDEVELOPED AREAS	1	0.5	0.5
SUBTOTAL			1.3	0.8
FINAL SITE SCORE				-0.339

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-3B

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	7260000 CU. YD.	-0.81	0.3	-0.243
CURRENT LAND USE	WOODLAND OF HIGH ECONOMIC VALUE	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	DENSE WOODLAND;LARGE TREES	0	0.1	0
SITE DRAINAGE	GOOD	1	0.2	0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.4
SUBSURFACE CONDITIONS				
SOIL	LOCALLY IMPERVIOUS,DENSE TILL	0	0.1	0
DEPTH TO BEDROCK	24.5 - 87.8 FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	2.2 - 10.9 FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.2
REGIONAL FACTORS				
TRANSPORT DISTANCE	10 MILES	-1	0.3	-0.3
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	NARROW 2-LANE LIGHT DUTY;SECONDARY ROADS	-1	0.2	-0.2
TRAFFIC DENSITY	LIGHT	1	0.2	0.2
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND	0	0.5	0
SURROUNDING LAND USE	WOODLAND;WATERSHED PROTECT. AREA NORTH	0	0.3	0
SUBTOTAL			0.8	0
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	BREAD & CHEESE BROOK	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	5.6 HOUSES/MILE	1	0.1	0.1
DEVELOPMENT AROUND SITE	UNDEVELOPED;FEW RURAL HOMES	1	0.5	0.5
SUBTOTAL			1.3	0.2
FINAL SITE SCORE				-0.343

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-22B

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	27100000 CU. YD.	-0.12	0.3	-0.036
CURRENT LAND USE	WOODLAND;WASTE DISPOSAL	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND,MEDIUM-SIZED TREES	0	0.1	0
SITE DRAINAGE	FAIR/GOOD	0	0.2	0
ONSITE STREAMS	BENSON BROOK	0	0.2	0
SUBTOTAL			0.5	0
SUBSURFACE CONDITIONS				
SOIL	NOT INVESTIGATED,TILL PRESENT	0	0.1	0
DEPTH TO BEDROCK	>10FT.,>12FT.,>16FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	0FT.,1FT.,4FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.2
REGIONAL FACTORS				
TRANSPORT DISTANCE	8.5 MILES	-0.7	0.3	-0.21
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	MODERATE/HEAVY	0	0.2	0
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND;STREAM SUBJECT TO SEPTIC POLL.	0	0.5	0
SURROUNDING LAND USE	WOODLAND;DISPOSAL;AGRICUL;SERVICES;RES.	0	0.3	0
SUBTOTAL			0.8	0
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	GOOD	1	0.3	0.3
RECEIVING STREAMS	AUCOOT RIVER,BEAR SWAMP,BENSON BROOK	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	18.1 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;UNDEVELOPED	0	0.5	0
SUBTOTAL			1.3	-0.1
FINAL SITE SCORE				-0.346

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-19

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	5810000 CU. YD.	-0.86	0.3	-0.258
CURRENT LAND USE	WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND,MEDIUM-SIZED TREES	0	0.1	0
SITE DRAINAGE	MODERATE	0	0.2	0
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.2
SUBSURFACE CONDITIONS				
SOIL	1FT. TOP SOIL;SUFFICIENT PERMEABILITY	1	0.1	0.1
DEPTH TO BEDROCK	>24FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	1FT.;IN BEDROCK,20FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.1
REGIONAL FACTORS				
TRANSPORT DISTANCE	3.3 MILES	0.34	0.3	0.102
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	POOR LIGHT-DUTY 2-LANES	-1	0.2	-0.2
TRAFFIC DENSITY	LIGHT	1	0.2	0.2
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	-0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND;GOOD QUALITY STREAM	0	0.5	0
SURROUNDING LAND USE	WOODLAND BORDERED BY RESIDENTIAL	0	0.3	0
SUBTOTAL			0.8	0
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	GOOD	1	0.3	0.3
RECEIVING STREAMS	MATTAPOISETT RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	20.9 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;RURAL	0	0.5	0
SUBTOTAL			1.3	-0.1
FINAL SITE SCORE				-0.356

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-14

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	3640000 CU. YD.	-0.93	0.3	-0.279
CURRENT LAND USE	WOODLAND;INACTIVE MINING	1	0.4	0.4
SURFACE CONDITIONS				
COVER TYPE	DENSE WOODLAND;MEDIUM-SIZE TREES	0	0.1	0
SITE DRAINAGE	POOR	-1	0.2	-0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0
SUBSURFACE CONDITIONS				
SOIL	PEAT;SANDY,TILL PRESENT	1	0.1	0.1
DEPTH TO BEDROCK	18->28FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	4FT.;IN BEDROCK,5FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.1
REGIONAL FACTORS				
TRANSPORT DISTANCE	2 MILES	0.6	0.3	0.18
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	HEAVY	-1	0.2	-0.2
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	-0.4
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	LARGELY WOODLAND	0	0.5	0
SURROUNDING LAND USE	INACTIVE GRAVEL PIT;WOODLAND;RESIDENTIAL	0	0.3	0
SUBTOTAL			0.8	0
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	GOOD	1	0.3	0.3
RECEIVING STREAMS	ACUSHNET RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	58.3 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL	0	0.5	0
SUBTOTAL			1.3	-0.2
FINAL SITE SCORE				-0.399

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-6

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	3390000 CU. YD.	-0.94	0.3	-0.282
CURRENT LAND USE	WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	DENSE WOODLAND;MEDIUM-SIZE TREES	0	0.1	0
SITE DRAINAGE	GOOD	1	0.2	0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.4
SUBSURFACE CONDITIONS				
SOIL	NOT INVESTIGATED,TILL PRESENT	0	0.1	0
DEPTH TO BEDROCK	10FT.,80FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	IN BEDROCK,8FT.,14FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.2
REGIONAL FACTORS				
TRANSPORT DISTANCE	6.4 MILES	-0.28	0.3	-0.084
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD 2-LANE;SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	LIGHT/MODERATE	1	0.2	0.2
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND	0	0.5	0
SURROUNDING LAND USE	PRIMARILY WOODLAND;HABITAT CONSERVATION	0	0.3	0
SUBTOTAL			0.8	0
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	ACUSHNET CEDAR SWAMP	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	24.8 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	UNDEVELOPED;LIGHT RESIDENTIAL	0	0.5	0
SUBTOTAL			1.3	-0.4
FINAL SITE SCORE				-0.566

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-34 (L-3)

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	12500000 CU. YD.	-0.63	0.3	-0.189
CURRENT LAND USE	WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND	0	0.1	0
SITE DRAINAGE	GOOD	1	0.2	0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.4
SUBSURFACE CONDITIONS				
SOIL	VARIES THROUGH INVESTIGATED AREA	0	0.1	0
DEPTH TO BEDROCK	>38FT.,>39FT.,42FT.,>46FT.,>51FT.,>60FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	0FT.,1FT.,2FT.,3FT.,4FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.2
REGIONAL FACTORS				
TRANSPORT DISTANCE	6.8 MILES	-0.36	0.3	-0.108
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR/GOOD 2-4-LANE HIGHWAYS	1	0.2	0.2
TRAFFIC DENSITY	LIGHT TO HEAVY	0	0.2	0
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND	0	0.5	0
SURROUNDING LAND USE	WOODLAND;RESIDENTIAL;AGRICULTURE;MINING	0	0.3	0
SUBTOTAL			0.8	0
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	DESTRUCTION BROOK;SLOCUMS RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	71.5 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;UNDEVELOPED	0	0.5	0
SUBTOTAL			1.3	-0.5
FINAL SITE SCORE				-0.597

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-24

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	7100000 CU. YD.	-0.81	0.3	-0.243
CURRENT LAND USE	LOW QUALITY WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND,SMALL TREES	1	0.1	0.1
SITE DRAINAGE	FAIR/GOOD	0	0.2	0
ONSITE STREAMS	STREAM BISECTS SITE	-1	0.2	-0.2
SUBTOTAL			0.5	-0.1
SUBSURFACE CONDITIONS				
SOIL	SUFFICIENT PERMEABILITY,TILL PRESENT	1	0.1	0.1
DEPTH TO BEDROCK	>21FT.,>31FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	7FT.	0	0.4	0
SUBTOTAL			0.7	0.3
REGIONAL FACTORS				
TRANSPORT DISTANCE	8.1 MILES	-0.62	0.3	-0.186
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD PRIMARY HIGHWAY	1	0.2	0.2
TRAFFIC DENSITY	HEAVY	-1	0.2	-0.2
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	-0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND,ONSITE STREAM	0	0.5	0
SURROUNDING LAND USE	WOODLANDS;RESIDENTIAL	0	0.3	0
SUBTOTAL			0.8	0
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	GOOD	1	0.3	0.3
RECEIVING STREAMS	BUZZARDS BAY	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	37.2 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL	0	0.5	0
SUBTOTAL			1.3	-0.2
FINAL SITE SCORE				-0.629

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-31

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	7260000 CU. YD.	-0.81	0.3	-0.243
CURRENT LAND USE	WOODLAND;AGRICULTURE	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	WOODLAND;SOME OPEN FIELDS	0	0.1	0
SITE DRAINAGE	GOOD	1	0.2	0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.4
SUBSURFACE CONDITIONS				
SOIL	TOPSOIL (FIELD RECON.),TILL PRESENT	0	0.1	0
DEPTH TO BEDROCK	100FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	IN BEDROCK,30FT.	1	0.4	0.4
SUBTOTAL			0.7	0.6
REGIONAL FACTORS				
TRANSPORT DISTANCE	10 MILES	-1	0.3	-0.3
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR/GOOD 2-4-LANE HIGHWAY	1	0.2	0.2
TRAFFIC DENSITY	LIGHT TO HEAVY	0	0.2	0
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND;SOME OPEN FIELDS	-1	0.5	-0.5
SURROUNDING LAND USE	PRIMARILY WOODLANDS;RESIDENTIAL	0	0.3	0
SUBTOTAL			0.8	-0.5
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	GOOD	1	0.3	0.3
RECEIVING STREAMS	EAST BRANCH	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	51.9 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;RURAL	0	0.5	0
SUBTOTAL			1.3	-0.2
FINAL SITE SCORE				-0.643

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-30

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	6770000 CU. YD.	-0.83	0.3	-0.249
CURRENT LAND USE	WOODLAND;AGRICULTURE	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	LARGELY WOODLAND;SOME OPEN FIELDS	0	0.1	0
SITE DRAINAGE	FAIR/GOOD	0	0.2	0
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.2
SUBSURFACE CONDITIONS				
SOIL	TOPSOIL(FIELD RECON.),SUFFICIENT PERM.	0	0.1	0
DEPTH TO BEDROCK	100FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	IN BEDROCK,30FT.	1	0.4	0.4
SUBTOTAL			0.7	0.6
REGIONAL FACTORS				
TRANSPORT DISTANCE	9.9 MILES	-0.98	0.3	-0.294
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR/GOOD 2 & 4-LANE HIGHWAYS	1	0.2	0.2
TRAFFIC DENSITY	LIGHT TO HEAVY	0	0.2	0
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND;SOME OPEN FIELDS	-1	0.5	-0.5
SURROUNDING LAND USE	WOODLANDS;AGRICULTURE;RESIDENTIAL	0	0.3	0
SUBTOTAL			0.8	-0.5
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	GOOD	1	0.3	0.3
RECEIVING STREAMS	EAST BRANCH	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	57.6 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;RURAL	0	0.5	0
SUBTOTAL			1.3	-0.2
FINAL SITE SCORE				-0.843

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-7

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	1700000 CU. YD. (EST. AT MIN.)	-1	0.3	-0.3
CURRENT LAND USE	WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND,LARGE TREES	0	0.1	0
SITE DRAINAGE	GOOD	1	0.2	0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.4
SUBSURFACE CONDITIONS				
SOIL	UNKNOWN	0	0.1	0
DEPTH TO BEDROCK	UNKNOWN	0	0.2	0
DEPTH TO GROUNDWATER	UNKNOWN	0	0.4	0
SUBTOTAL			0.7	0
REGIONAL FACTORS				
TRANSPORT DISTANCE	9.5 MILES	-0.9	0.3	-0.27
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	POOR SECONDARY HIGHWAY	-1	0.2	-0.2
TRAFFIC DENSITY	LIGHT	1	0.2	0.2
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	-0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND	0	0.5	0
SURROUNDING LAND USE	WATER SUPPLY;WOODLAND;AGRICULTTURE	-1	0.3	-0.3
SUBTOTAL			0.8	-0.3
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	VISIBILITY PROBLEMS	-1	0.3	-0.3
RECEIVING STREAMS	COPICUT RESEVOIR	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	28.4 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	RURAL RESIDENTIAL	1	0.5	0.5
SUBTOTAL			1.3	-0.2
FINAL SITE SCORE				-0.87

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-20

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	3630000 CU. YD.	-0.93	0.3	-0.279
CURRENT LAND USE	WOODLAND;HABITAT CONSERVATION	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	WOODLAND,MEDIUM-SIZED TREES	0	0.1	0
SITE DRAINAGE	MODERATE	0	0.2	0
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.2
SUBSURFACE CONDITIONS				
SOIL	1FT. OF TOPSOIL, SUFFICIENT PERMEABILITY	1	0.1	0.1
DEPTH TO BEDROCK	>29FT.,>49FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	OFT.;IN BEDROCK,18FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.1
REGIONAL FACTORS				
TRANSPORT DISTANCE	4.7 MILES	0.06	0.3	0.018
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR/GOOD 2-LANE ROADS	0	0.2	0
TRAFFIC DENSITY	LIGHT/MODERATE	1	0.2	0.2
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND;HABITAT	-1	0.5	-0.5
SURROUNDING LAND USE	WOODLAND;HABITAT CONSERVATION;RESIDENT.	0	0.3	0
SUBTOTAL			0.8	-0.5
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	MATTAPOISETT RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	21.4 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;UNDEVELOPED	1	0.5	0.5
SUBTOTAL			1.3	0.1
FINAL SITE SCORE				-0.961

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-16

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY .	7100000 CU. YD.	-0.81	0.3	-0.243
CURRENT LAND USE	WOODLAND;AGRICULTURE	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	LARGELY WOODLAND;SOME OPEN FIELDS	0	0.1	0
SITE DRAINAGE	MODERATE/GOOD	0	0.2	0
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.2
SUBSURFACE CONDITIONS				
SOIL	NOT INVESTIGATED,TILL PRESENT	0	0.1	0
DEPTH TO BEDROCK	20FT.,22FT.,40FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	IN BEDROCK,15FT.,19FT.,35FT.	1	0.4	0.4
SUBTOTAL			0.7	0.6
REGIONAL FACTORS				
TRANSPORT DISTANCE	4.2 MILES	0.16	0.3	0.048
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR/GOOD 2-LANE;SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	LIGHT TO HEAVY	0	0.2	0
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	-0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND W/ SOME OPEN FIELDS;STREAM	-1	0.5	-0.5
SURROUNDING LAND USE	WOODLAND;AGRICULTURE	0	0.3	0
SUBTOTAL			0.8	-0.5
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	TINKHAM POND	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	47.2 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;UNDEVELOPED	0	0.5	0
SUBTOTAL			1.3	-0.5
FINAL SITE SCORE				-0.995

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-21

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	5650000 CU. YD.	-0.86	0.3	-0.258
CURRENT LAND USE	WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND,MEDIUM-SIZED TREES	0	0.1	0
SITE DRAINAGE	POOR	-1	0.2	-0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0
SUBSURFACE CONDITIONS				
SOIL	SILTY,TILL PRESENT	0	0.1	0
DEPTH TO BEDROCK	>12FT.,>13FT.,>15FT.,>17FT.	0	0.2	0
DEPTH TO GROUNDWATER	5FT.,7FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.4
REGIONAL FACTORS				
TRANSPORT DISTANCE	4.9 MILES	0.02	0.3	0.006
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR/GOOD 2-LANE ROADS	0	0.2	0
TRAFFIC DENSITY	LIGHT/MODERATE	1	0.2	0.2
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.04	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND NEAR WETLANDS	0	0.5	0
SURROUNDING LAND USE	WOODLAND BORDERED BY AGRICULTURE	0	0.3	0
SUBTOTAL			0.8	0
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	MATTAPOISETT RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	20.5 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;UNDEVELOPED	0	0.5	0
SUBTOTAL			1.3	-0.4
FINAL SITE SCORE				-1.052

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-17

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	3390000 CU. YD.	-0.94	0.3	-0.282
CURRENT LAND USE	WOODLAND;SOME AGRICULTURE	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	LARGELY WOODLAND;SOME OPEN FIELDS	0	0.1	0
SITE DRAINAGE	GOOD	1	0.2	0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.4
SUBSURFACE CONDITIONS				
SOIL	UNKNOWN	0	0.1	0
DEPTH TO BEDROCK	UNKNOWN	0	0.2	0
DEPTH TO GROUNDWATER	UNKNOWN	0	0.4	0
SUBTOTAL			0.7	0
REGIONAL FACTORS				
TRANSPORT DISTANCE	5.4 MILES	-0.08	0.3	-0.024
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR/GOOD 2-LANE;SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	LIGHT TO HEAVY	0	0.2	0
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND;OPEN FIELDS	-1	0.5	-0.5
SURROUNDING LAND USE	WOODLAND;AGRICULTURE	0	0.3	0
SUBTOTAL			0.8	-0.5
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	MATTAPOISETT RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	42.4 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;RURAL	0	0.5	0
SUBTOTAL			1.3	-0.5
FINAL SITE SCORE				-1.106

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-12

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	11620000 CU. YD.	-0.66	0.3	-0.198
CURRENT LAND USE	MINING WASTE DISPOSAL;WOODLAND	1	0.4	0.4
SURFACE CONDITIONS				
COVER TYPE	BARREN;WOODLAND	1	0.1	0.1
SITE DRAINAGE	CONTROLLED	0	0.2	0
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.3
SUBSURFACE CONDITIONS				
SOIL	PART OF SITE LOCATED IN ACTIVE QUARRY	-1	0.1	-0.1
DEPTH TO BEDROCK	15-20FT. IN QUARRY,NOW SURFACE	-1	0.2	-0.2
DEPTH TO GROUNDWATER	IN BEDROCK,15FT.,25FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.7
REGIONAL FACTORS				
TRANSPORT DISTANCE	0.8 MILES	0.84	0.3	0.252
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD PRIVATE HAUL ROADS	0	0.2	0
TRAFFIC DENSITY	HEAVY	-1	0.2	-0.2
SITE ACCESSABILITY	POOR ACCESS (MAIN ST. CROSSING A FACTOR)	-1	0.2	-0.2
SUBTOTAL			0.6	-0.4
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	BARREN WASTE AREA;SOME WOODLAND;WETLAND	1	0.5	0.5
SURROUNDING LAND USE	ACTIVE INDUSTRIAL;WOODLAND;RESIDENTIAL	0	0.3	0
SUBTOTAL			0.8	0.5
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	POOR	-1	0.3	-0.3
RECEIVING STREAMS	CONTROLLED DRAINAGE	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	35.3 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	HEAVY RESIDENTIAL;UNDEVELOPED AREAS	-1	0.5	-0.5
SUBTOTAL			1.3	-1.3
FINAL SITE SCORE				-1.146

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-10

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	1700000 CU. YD. (EST. AT MIN.)	-1	0.3	-0.3
CURRENT LAND USE	RESIDENTIAL	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	OPEN FIELD	1	0.1	0.1
SITE DRAINAGE	MODERATE	0	0.2	0
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.3
SUBSURFACE CONDITIONS				
SOIL	UNKNOWN	0	0.1	0
DEPTH TO BEDROCK	UNKNOWN	0	0.2	0
DEPTH TO GROUNDWATER	UNKNOWN	0	0.4	0
SUBTOTAL			0.7	0
REGIONAL FACTORS				
TRANSPORT DISTANCE	3 MILES	0.4	0.3	0.12
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD 2-LANE LIGHT-DUTY	0	0.2	0
TRAFFIC DENSITY	MODERATE	0	0.2	0
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	OPEN FIELDS;GOOD QUALITY STREAMS	0	0.5	0
SURROUNDING LAND USE	RESIDENTIAL	-1	0.3	-0.3
SUBTOTAL			0.8	-0.3
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	INADEQUATE	-1	0.3	-0.3
RECEIVING STREAMS	NASKETUCKET RIVER	0	0.4	0
DEVELOPMENT ALONG ROUTE	26.7 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	LIGHT TO HEAVY RESIDENTIAL	-1	0.5	-0.5
SUBTOTAL			1.3	-0.8
FINAL SITE SCORE				-1.18

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-15

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	1700000 CU. YD. (EST. AT MIN.)	-1	0.3	-0.3
CURRENT LAND USE	AGRICULTURE	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	OPEN FIELDS	1	0.1	0.1
SITE DRAINAGE	GOOD	1	0.2	0.2
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.5
SUBSURFACE CONDITIONS				
SOIL	NOT INVESTIGATED	0	0.1	0
DEPTH TO BEDROCK	23FT.,34FT.,40FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	IN BEDROCK,4FT.,22FT.,35FT.	0	0.4	0
SUBTOTAL			0.7	0.2
REGIONAL FACTORS				
TRANSPORT DISTANCE	3.4 MILES	0.32	0.3	0.096
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD 2-LANE HIGHWAY	0	0.2	0
TRAFFIC DENSITY	HEAVY	-1	0.2	-0.2
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	OPEN FIELDS;WOODLAND	-1	0.5	-0.5
SURROUNDING LAND USE	RESIDENTIAL;AGRICULTURE	-1	0.3	-0.3
SUBTOTAL			0.8	-0.8
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	POOR	-1	0.3	-0.3
RECEIVING STREAMS	ACUSHNET RIVER;MATTAPOISET RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	52.9 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;RURAL	0	0.5	0
SUBTOTAL			1.3	-0.8
FINAL SITE SCORE				-1.504

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-13

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	9000000 CU. YD.	-0.75	0.3	-0.225
CURRENT LAND USE	GRAVEL PITS;WOODLAND;PRIVATE	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND;GRAVEL PITS	1	0.1	0.1
SITE DRAINAGE	MODERATE	0	0.2	0
ONSITE STREAMS	ONE STREAM	-1	0.2	-0.2
SUBTOTAL			0.5	-0.1
SUBSURFACE CONDITIONS				
SOIL	TOPSOIL-SANDY;ACTIVE QUARRY,DENSE TILL	0	0.1	0
DEPTH TO BEDROCK	18FT.,>28FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	4FT.;IN BEDROCK,5FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.2
REGIONAL FACTORS				
TRANSPORT DISTANCE	1.9 MILES	0.62	0.3	0.186
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD 2-LANE SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	HEAVY	-1	0.2	-0.2
SITE ACCESSABILITY	POOR/NO ACCESS	0	0.2	0
SUBTOTAL			0.6	-0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WETLANDS;WOODLANDS;ABANDONED GRAVEL PITS	0	0.5	0
SURROUNDING LAND USE	RESIDENTIAL;AGRICULTURE;WOODLAND	-1	0.3	-0.3
SUBTOTAL			0.8	-0.3
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	GOOD	1	0.3	0.3
RECEIVING STREAMS	ACUSHNET RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	63.2 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT TO HEAVY RESIDENTIAL	-1	0.5	-0.5
SUBTOTAL			1.3	-0.7
FINAL SITE SCORE				-1.539

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-8

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	1700000 CU. YD. (EST. AT MIN.)	-1	0.3	-0.3
CURRENT LAND USE	HABITAT CONSERVATION	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	WOODLAND	0	0.1	0
SITE DRAINAGE	MODERATE	0	0.2	0
ONSITE STREAMS	WETLAND ON SITE	-1	0.2	-0.2
SUBTOTAL			0.5	-0.2
SUBSURFACE CONDITIONS				
SOIL	NOT INVESTIGATED,TILL PRESENT	0	0.1	0
DEPTH TO BEDROCK	80FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	IN BEDROCK,14FT.	0	0.4	0
SUBTOTAL			0.7	0.2
REGIONAL FACTORS				
TRANSPORT DISTANCE	9 MILES	-0.8	0.3	-0.24
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD 2-LANE SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	MODERATE	0	0.2	0
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	-0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WDLAND; ACU. CEDAR SWP. A FACTOR;HABITAT	-1	0.5	-0.5
SURROUNDING LAND USE	HABITAT CONSERVATION	-1	0.3	-0.3
SUBTOTAL			0.8	-0.8
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	GOOD	1	0.3	0.3
RECEIVING STREAMS	PASKAMANSET RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	19.8 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	UNDEVELOPED	1	0.5	0.5
SUBTOTAL			1.3	0.4
FINAL SITE SCORE				-1.54

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-9

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	5240000 CU. YD.	-0.88	0.3	-0.264
CURRENT LAND USE	WOODLAND;SOME AGRICULTURE	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	LARGELY WOODLAND;OPEN FIELDS	0	0.1	0
SITE DRAINAGE	MODERATE	0	0.2	0
ONSITE STREAMS	SMALL POND,2 STREAMS	-1	0.2	-0.2
SUBTOTAL			0.5	-0.2
SUBSURFACE CONDITIONS				
SOIL	NOT INVESTIGATED,TILL PRESENT	0	0.1	0
DEPTH TO BEDROCK	17FT.,38FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	IN BEDROCK,20FT.	1	0.4	0.4
SUBTOTAL			0.7	0.6
REGIONAL FACTORS				
TRANSPORT DISTANCE	4.9 MILES	0.02	0.3	0.006
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	2-LANE SECONDARY HIGHWAYS	0	0.2	0
TRAFFIC DENSITY	MODERATE/HEAVY	0	0.2	0
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	-0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND;SOME OPEN FIELDS	-1	0.5	-0.5
SURROUNDING LAND USE	AGRICULTURE	-1	0.3	-0.3
SUBTOTAL			0.8	-0.8
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	PASKAMANSET RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	34.7 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;RURAL	0	0.5	0
SUBTOTAL			1.3	-0.4
FINAL SITE SCORE				-1.658

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-11

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	5080000 CU. YD.	-0.88	0.3	-0.264
CURRENT LAND USE	WOODLAND	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND,SMALL TREES	0	0.1	0
SITE DRAINAGE	MODERATE	0	0.2	0
ONSITE STREAMS	NONE	1	0.2	0.2
SUBTOTAL			0.5	0.2
SUBSURFACE CONDITIONS				
SOIL	SUFFICIENT PERMEABILITY (FIELD RECON.)	1	0.1	0.1
DEPTH TO BEDROCK	>12FT.,>13FT.,>17FT.,>18FT.,>21FT.	0	0.2	0
DEPTH TO GROUNDWATER	5FT.,7FT.,10FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.3
REGIONAL FACTORS				
TRANSPORT DISTANCE	4.3 MILES	0.14	0.3	0.042
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD/FAIR 2-LANE SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	MODERATE	0	0.2	0
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	-0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND	0	0.5	0
SURROUNDING LAND USE	RESIDENTIAL;AGRICULTURE	-1	0.3	-0.3
SUBTOTAL			0.8	-0.3
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	INSUFFICIENT	-1	0.3	-0.3
RECEIVING STREAMS	SWIFT BROOK	0	0.4	0
DEVELOPMENT ALONG ROUTE	23.3 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	LIGHT TO HEAVY RESIDENTIAL	-1	0.5	-0.5
SUBTOTAL			1.3	-0.8
FINAL SITE SCORE				-1.622

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-18

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	7260000 CU. YD.	-0.81	0.3	-0.243
CURRENT LAND USE	WOODLAND;SOME AGRICULTURE	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	WOODLAND;SOME FIELDS	0	0.1	0
SITE DRAINAGE	POOR	-1	0.2	-0.2
ONSITE STREAMS	ONE STREAM	-1	0.2	-0.2
SUBTOTAL			0.5	-0.4
SUBSURFACE CONDITIONS				
SOIL	TOP SOIL;PARTLY WETLAND	0	0.1	0
DEPTH TO BEDROCK	35FT.,80FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	IN BEDROCK,17FT.,24FT.	1	0.4	0.4
SUBTOTAL			0.7	0.6
REGIONAL FACTORS				
TRANSPORT DISTANCE	6.5 MILES	-0.3	0.3	-0.09
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	FAIR/GOOD 2-LANE;SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	LIGHT TO HEAVY	0	0.2	0
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	-0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND;SOME OPEN FIELDS	-1	0.5	-0.5
SURROUNDING LAND USE	WOODLAND;AGRICULTURE	0	0.3	0
SUBTOTAL			0.8	-0.5
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	MATTAPOISETT RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	39.8 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;UNDEVELOPED	0	0.5	0
SUBTOTAL			1.3	-0.5
FINAL SITE SCORE				-1.733

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-8

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	3260000 CU. YD.	-0.95	0.3	-0.285
CURRENT LAND USE	WOODLAND;AGRICULTURE	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	LARGELY WOODLAND;SOME OPEN FIELDS	0	0.1	0
SITE DRAINAGE	GOOD	1	0.2	0.2
ONSITE STREAMS	INTERMITTENT STREAM	0	0.2	0
SUBTOTAL			0.5	0.2
SUBSURFACE CONDITIONS				
SOIL	SILTY;LOW PERMEABILITY,DENSE TILL	1	0.1	0.1
DEPTH TO BEDROCK	16FT.,17FT.,38FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	IN BEDROCK,5FT.,20FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.1
REGIONAL FACTORS				
TRANSPORT DISTANCE	4.8 MILES	0.04	0.3	0.012
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD SECONDARY	0	0.2	0
TRAFFIC DENSITY	HEAVY	-1	0.2	-0.2
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND;OPEN FIELD	-1	0.5	-0.5
SURROUNDING LAND USE	SERVICES;RECREATION;WOODLAND	0	0.3	0
SUBTOTAL			0.8	-0.5
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	POOR	-1	0.3	-0.3
RECEIVING STREAMS	PASKAMANSET RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	35 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL;RURAL	0	0.5	0
SUBTOTAL			1.3	-0.7
FINAL SITE SCORE				-1.773

INITIAL QUANTITATIVE EVALUATION
SITE NO. L-14

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	1700000 CU. YD. (ACTUAL)	-1	0.3	-0.3
CURRENT LAND USE	GRAVEL PITS;WOODLAND;AGRICULTURE	0	0.4	0
SURFACE CONDITIONS				
COVER TYPE	WOODLAND;GRAVEL PITS	0	0.1	0
SITE DRAINAGE	POOR	-1	0.2	-0.2
ONSITE STREAMS	WETLAND	-1	0.2	-0.2
SUBTOTAL			0.5	-0.4
SUBSURFACE CONDITIONS				
SOIL	PEAT;LOAM,TILL PRESENT	0	0.1	0
DEPTH TO BEDROCK	>28FT.,34FT.,>54FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	4FT.;IN BEDROCK,4FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.2
REGIONAL FACTORS				
TRANSPORT DISTANCE	2.8 MILES	0.44	0.3	0.132
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD 2-LANE SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	HEAVY	-1	0.2	-0.2
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	-0.4
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WETLANDS;WOODLANDS;OPEN FIELDS	-1	0.5	-0.5
SURROUNDING LAND USE	RESIDENTIAL;AGRICULTURE	-1	0.3	-0.3
SUBTOTAL			0.8	-0.8
PUBLIC HEALTH CONDSIDERATION				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	ACUSHNET RIVER	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	58.9 HOUSES/MILE	-1	0.1	-0.1
DEVELOPMENT AROUND SITE	LIGHT RESIDENTIAL	0	0.5	0
SUBTOTAL			1.3	-0.5
FINAL SITE SCORE				-1.868

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-22C

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	59690000 CU. YD.	1	0.3	0.3
CURRENT LAND USE	WOODLAND;HABITAT CONSERVATION	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	WOODLAND,MEDIUM-SIZED TREES	0	0.1	0
SITE DRAINAGE	POOR	-1	0.2	-0.2
ONSITE STREAMS	SMALL WETLAND,4 STREAMS	-1	0.2	-0.2
SUBTOTAL			0.5	-0.4
SUBSURFACE CONDITIONS				
SOIL	SILT,SUFFICIENT PERMEABILITY,TILL PRESEN	0	0.1	0
DEPTH TO BEDROCK	>11FT.,>12FT.,>33FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	2FT.,4FT.,11FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.2
REGIONAL FACTORS				
TRANSPORT DISTANCE	6.1 MILES	-0.22	0.3	-0.066
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	GOOD SECONDARY HIGHWAY	0	0.2	0
TRAFFIC DENSITY	HEAVY	-1	0.2	-0.2
SITE ACCESSABILITY	GOOD ACCESS	1	0.2	0.2
SUBTOTAL			0.6	0
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND,(TINKHAM FOREST);HABITAT	-1	0.5	-0.5
SURROUNDING LAND USE	WOODLANDS;AGRICULTURE;HEAVY RESIDENTIAL	-1	0.3	-0.3
SUBTOTAL			0.8	-0.8
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	GOOD	1	0.3	0.3
RECEIVING STREAMS	AUCOOT COVE,BUZZARDS BAY,MATTAPOISET	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	29.6 HOUSES/MILE	0	0.1	0
DEVELOPMENT AROUND SITE	HEAVY RESIDENTIAL;UNDEVELOPED	-1	0.5	-0.5
SUBTOTAL			1.3	-0.6
FINAL SITE SCORE				-2.166

INITIAL QUANTITATIVE EVALUATION
SITE NO. S-3A

FACTOR	SITE DESCRIPTION	RATING	WEIGHTING FACTOR	SCORE
SITE-SPECIFIC FACTORS				
STORAGE CAPACITY	8470000 CU. YD.	-0.77	0.3	-0.231
CURRENT LAND USE	WOODLAND OF HIGH ECONOMIC VALUE	-1	0.4	-0.4
SURFACE CONDITIONS				
COVER TYPE	DENSE WOODLAND, LARGE TREES	0	0.1	0
SITE DRAINAGE	POOR	-1	0.2	-0.2
ONSITE STREAMS	STREAM;WETLAND	-1	0.2	-0.2
SUBTOTAL			0.5	-0.4
SUBSURFACE CONDITIONS				
SOIL	LOCALLY IMPERVIOUS ,DENSE TILL	1	0.1	0.1
DEPTH TO BEDROCK	35.2 - 51.0 FT.	1	0.2	0.2
DEPTH TO GROUNDWATER	2.0 - 3.1 FT.	-1	0.4	-0.4
SUBTOTAL			0.7	-0.1
REGIONAL FACTORS				
TRANSPORT DISTANCE	10 MILES	-1	0.3	-0.3
ROUTE CONDITIONS				
TYPE & CONDITION OF ROAD	LIGHT DUTY-SINGLE LANE;SECONDARY HIGHWAY	-1	0.2	-0.2
TRAFFIC DENSITY	LIGHT	1	0.2	0.2
SITE ACCESSABILITY	POOR/NO ACCESS	-1	0.2	-0.2
SUBTOTAL			0.6	-0.2
ENVIRONMENTAL CONDITIONS				
HABITAT VALUE	WOODLAND;WETLANDS	-1	0.5	-0.5
SURROUNDING LAND USE	WOODLAND;WATERSHED PROTECT. AREA TO WEST	-1	0.3	-0.3
SUBTOTAL			0.8	-0.8
PUBLIC HEALTH CONSIDERATIONS				
BUFFER ZONES	ADEQUATE	0	0.3	0
RECEIVING STREAMS	BREAD & CHEESE BROOK	-1	0.4	-0.4
DEVELOPMENT ALONG ROUTE	6 HOUSES/MILE	1	0.1	0.1
DEVELOPMENT AROUND SITE	UNDEVELOPED	1	0.5	0.5
SUBTOTAL			1.3	0.2
FINAL SITE SCORE				-2.231