Environmental/Natural Resource Inventory Update

Englewood Environmental Commission
City of Englewood, Bergen County, New Jersey

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TABLE OF CONTENTS

Environmental/Natural Resource Inventory Update

Englewood Environmental Commission
City of Englewood, Bergen County, New Jersey

TABLE OF CONTENTS

LIST OF PHOTOGRAPHS

LIST OF TABLES

Environmental/Natural Resource Inventory Update

Englewood Environmental Commission
City of Englewood, Bergen County, New Jersey

TABLE OF CONTENTS

LIST OF GIS MAPS

LIST OF APPENDICES

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Councilman Scott Reddin – 3rd Ward
Councilman Jack Drakeford – 4th Ward
Councilwoman Lynne Algrant – Council-at-Large
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BACKGROUND

This project was funded by a grant from the Association of New Jersey Environmental Commissions (ANJEC) and is an update of the report entitled "Englewood: A Quality Of Life Study" prepared by Charles Edward Bradley, Jr. and Jay Steven Sanders of the University of Pennsylvania (Philadelphia) as their graduate degree thesis in 1975. The two worked under the supervision of Professor Ian MacHarg (1920-2001), who is known as the father of the "Map Overlay Method". This method is the foundation of geographic information systems (GIS). He was the founder of the department of landscape architecture at the University of Pennsylvania. His 1969 book *Design with Nature* was essentially a book of step-by-step instructions on how to break down a region into its appropriate uses. This text book pioneered the concept of ecological planning and continues to be one of the most widely celebrated books on landscape architecture and land-use planning. In this book, he set forth the basic concepts that were developed later into GIS. He was also instrumental in the founding of Earth Week, and participated on task forces on environmental issues for the Kennedy, Johnson, Nixon, and Carter administrations. Dewberry is honored to prepare an update for the work that his students conducted, and he supervised, for the City of Englewood.

1.0 INTRODUCTION/GENERAL UNDERSTANDING

This Environmental/Natural Resource Inventory (NRI) update was prepared for the City of Englewood (Englewood or City) Environmental Commission (EEC) in 2010, funded by a grant from the Association of New Jersey Environmental Commissions (ANJEC). This NRI provides an update of a report entitled "Englewood: A Quality of Life Study"[1] prepared in 1975 (Appendix A).

Englewood (Map 1) encompasses 4.95 square miles, or 3,167 acres. Estimates by the US Census Bureau indicate that the population was 27,284 in 2006, and was expected to rise to over 28,000 in 2009 due to the completion of additional residential housing units. Notable characteristics of Englewood include its proximity to the Hudson River (Map 2), the George Washington Bridge and New York City (located less than 4 miles from the municipal boundary). Englewood is characterized by a complex road network (Map 3) and is traversed by both Interstate Highway I-80/95 (a major East-West thoroughfare), and State Highway No. 4 (an East-West corridor for Bergen County). Although residential areas have been, and continue to be, a primary focus of Englewood's planning (Map 4a), this NRI evaluates natural resources throughout the entire City.

1.1 Purpose

The NRI was prepared to assist Englewood with its smart growth revitalization plan that was initiated in 1995. It was also designed to be included as an Attachment to the Master Plan Land Use Element. As part of the Draft 2009 Englewood City Master Plan (Master Plan)[2], the Englewood Planning Board (Board) has identified a number of environmentally-related objectives, including:

- Preserve the character of the residential neighborhoods.
- Develop pedestrian walkways and bicycle paths as the connective tissue in the city, providing access from residential areas to major community resources, including the public library, town hall, Depot Square, Mackay Park, playgrounds, parks and shopping areas.
- Design and implement a landscape plan at Veterans Memorial Park to enhance the intersection of Demarest and Dean Streets to serve as an appropriate gateway to downtown Englewood.
- Protect historic neighborhoods.
- Take full advantage of open space resources, in particular by redesigning Depot Square as a site of community activities, with a landscaped park, an open channel with natural banks, and facilities for an open-air market.
- Develop municipal and public initiatives to support sustainability in Englewood including waste reduction, energy conservation, water and wastewater conservation, recycling and reuse.

[1] Bradley, C. E. and Jay Steven Sanders, 1975, Englewood: A Quality of Life Study.
[2] K. Albert Associates, Inc., Master Plan 2009

In addition, it is recommended in the Land Use Element to:

- Include the City's inventory of parkland in the Open Space Zone. Continue to remove blight and create additional pocket parks, gateways, and other open space amenities.

This NRI was prepared in light of these objectives and as a reference guide and planning tool to be used when considering growth options for Englewood. It includes 24 GIS maps and contains an associated map description of the natural resources within the City.

This NRI consists of a number of GIS NRI maps and associated text. The maps were prepared by compiling a number of digital data sources from the New Jersey Department of Environmental Protection (NJDEP), the New Jersey Geologic Survey (NJGS), and K. Albert Associates, Inc., City Planner, which were subsequently "clipped" to the five surrounding municipalities (Bergenfield Borough, Tenafly Borough, Englewood Cliffs Borough, Fort Lee Borough, Leonia Borough, and Teaneck Township) municipal boundaries. The data was clipped to these municipalities to depict a buffer of environmental constraints that may be common to both Englewood City and the surrounding areas. Individual map layers, such as land use, were also clipped to the Englewood City municipal boundary so that statistical analyses of Englewood features could be conducted. The GIS work was conducted using ArcMap (version 9.3) software marketed by the Environmental Science Resource Institute (ESRI) of Redlands, CA.

1.2 Enabling Legislation

Two New Jersey state laws give Environmental Commissions the authority and responsibility for conducting Natural Resource Inventories (NRI, also referred to as Environmental Resource Inventories - ERI). The purpose of the NRI is to define the natural resources of areas before planning alternatives to re-development. The Environmental Commission Enabling Legislation (N.J.S.A. 40:56A) states that "A … commission organized under this act shall have power to conduct research into the use and possible use of the open land areas of the municipality. . .It shall keep an index of all open marshlands, swamps and other wetlands, in order to obtain information on the proper use of such areas, and may from time to time recommend to the planning board, or, if none, to the mayor and governing body of the municipality, plans and programs for inclusion in a municipal master plan and the development and use of such areas."

The Municipal Land Use Law (MLUL) (N.J.S.A. 40:55D-1 et seq.) requires municipalities to have a land use plan element in their master plan, "including but not necessarily limited to, topography, soil conditions, water supply, drainage, flood plain areas, marshes and woodlands…" (N.J.S.A. 40:55D28b(2)). The MLUL also states that "Whenever the Environmental Commission has prepared and submitted to the planning board and the board of adjustment an index of the natural resources of the municipality, the planning board or the board of adjustments shall make available to the environmental commission an informational copy of every application for development submitted to either board," (N.J.S.A. 40:55D-27b). The MLUL, however, goes on to say "Failure of the planning board or board of adjustment to make such informational copy available to the environmental commission shall not invalidate any hearing or proceeding." (ANJEC, 2000).

The NRI/ERI has many uses, including:

- As a factual basis for municipal land use planning;
- As a resource in the preparation of the land use element of the municipal master plan;
- As a comprehensive guide in the site plan review process;
- As a basic tool in determining zoning regulations, municipal ordinances or other land use management techniques;
- As a basis for land capability analysis and for determining the intensity and location of development;
- As a tool to increase understanding of natural systems, and their limitations and opportunities for use;
- As a long term planning tool to identify potential land use and natural resource problems;
- As an educational tool for residents to learn more about their community and its environment;
- As a way to conserve financial resources by avoiding future problems associated with inappropriate development and mitigation costs that can fall to municipalities (ANJEC, 2000).

1.3 Economic Value of Natural Resources

This original Englewood NRI was entitled "Englewood: A Quality of Life Study". The term *quality-of-life demand* may be used to represent natural resource amenities that influence location decisions. Natural resources my produce amenities, such as scenic vistas, healthy environments, and clean air and water, that contribute directly to the well-being of people who have access to them. Economically speaking, these features are categorized as consumption amenities because they increase the well-being of nearby residents due to the fact that their value exceeds the cost that consumers incur to enjoy them. This increment of value-minus-cost is known as consumers' surplus. Their contribution to consumers' well-being makes consumption amenities economically important in their own right, but they also influence the location decisions of households and firms, thus, adding to their economic interest[3].

[3] Courant, P., E. Niemi, and E.Whitelaw, 1997, *The Ecosystem-Economy Relationship: Insights from Six Forested LTER Sites*. National Science Foundation.

2.0 CULTURAL RESOURCES

2.1 Historic Overview

The history of Englewood is rooted in the history of surrounding Bergen County which includes the era of Dutch settlement, the Revolutionary War, the arrival of the railroad, and the opening of the George Washington Bridge. For comparison with the modern day conditions, an aerial photograph dating from 1930 (Map 4b) has been included. Englewood has a rich collection of varied architecture, most notably its early 19th century stone houses. The lasting influence of the railroad is evidenced by the City's compact downtown, as well as the neighborhood of late 19th century Victorian houses that developed nearby. Other noteworthy developments include the East Hill estates built by Wall Street magnates and the smaller homes in the influential Dutch colonial revival style that Aymar Embury, Jr. introduced in Englewood around 1910. The Brookside Cemetery and the Dwight Morrow High School (which opened in 1932) are also located within the city.

According to the 2009 Englewood Master Plan, the demolition of an increasing number of 19th and early 20th century houses threatens the distinctive character and identity of Englewood, whose rich history is embodied in its impressive stock of buildings. One objective of the Master Plan was to "protect historic neighborhoods."

2.2 Known Historic Properties

In order to identify known historic properties (i.e., properties listed in or determined eligible for listing in the New Jersey and National Registers of Historic Places), Dewberry conducted research at the New Jersey Historic Preservation Office in Trenton, NJ. Based on this research, there are 10 known historic properties located within the city (Table 1). These properties are shown on Map 5 and include the following:

- Armory Street Historic District
- John G. Benson House
- Bergen Building
- Thomas Demarest House (demolished May 1995)
- Demott House
- Demott-Westervelt House
- Grove Street Historic District
- Liberty School
- Garret Lydecker House
- Van Horn-Newcomb House

2.3 Potential Historic Properties

A comprehensive survey of Englewood's potential historic properties was conducted in 1981-82 as part of the Bergen County Historic Sites Survey. Based on this survey, the City of Englewood Historic

Preservation Advisory Committee (HPAC) identified approximately 800 properties as historically or architecturally important. The county is in the process of creating a GIS database of these potential historical sites which is scheduled to be completed in late 2010. The GIS data will be incorporated into the Englewood NRI when it is available.

As part of the current project, the HPAC provided Dewberry with additional information regarding potential historic properties. Although the majority of these properties have no official designation, they were included on the cultural resource map (Map 5) and classified as a house, school, house of worship (Photograph 1), firehouse, demolished structure, or other. According to the Historical Society database, there are 1,178 potential historic properties in Englewood City (Table 2).

3.0 LAND RESOURCES

3.1 Geography and Topography

The City of Englewood is located in the southeastern section of Bergen County (Map 1). The City boundary is somewhat hexagonal in shape and slightly elongated in the north/south direction. The City is bounded to the north by the Boroughs of Bergenfield and Tenafly, to the east by Englewood Cliffs, to the south by the Boroughs of Fort Lee and Leonia, and to the west by the Township of Teaneck. According to GIS data provided by the NJDEP (NJDEP, 1996) Englewood encompasses an area of 4.95 square miles.

Englewood ranges in elevation from less than 10 feet above mean sea level (amsl) where Overpeck Creek crosses the southwest town boundary, to over 320 feet amsl on top of a knoll near the eastern municipal border (and Flat Rock Brook Park), for an elevation difference of about 310 feet (Map 2).

3.2 Watersheds

Watersheds are natural drainage areas whose boundaries are typically determined by ridge lines. A watershed is also a topographic feature which drains to one discharge point. The strong influence of Overpeck Creek, which drains the majority of the City, can be seen in the topography of Englewood (Map 2). Englewood is part of the Hackensack, Hudson, and Pascack watershed which is labeled by the NJDEP as Watershed Management Area (WMA)-05. Within this primary watershed in Englewood are two Hydrologic Unit Code (HUC)-14 sub-watersheds. The majority of the City lies in the Hackensack River (below and including Hirshfeld Brook) sub-watershed (HUC-14 02030103180040). A small portion of the northern extreme of the City lies in the Hackensack River (above Hirshfield Brook) sub-watershed (HUC-14 02030103170040) (Map 6).

3.3 Critical Slopes

According to the Englewood Municipal Land Use Ordinance, steep slopes are regulated to prevent, or reduce, problems resulting from the development on steep slopes, including increased soil erosion and storm water runoff, loss of existing vegetation (which stabilizes soils), blasting of bedrock, degradation to the visual aesthetics of vistas, and maintenance problems. The steep slope ordinance prohibits development or disturbance on slopes 25% or greater. In addition, development or disturbance is prohibited on slopes 15% to 25% without the applicant providing sufficient evidence to prove there will be no adverse environmental impacts.

The critical slope map (Map 6) was derived from a USGS digital elevation model (DEM). The level of accuracy of the USGS DEMs is 15 meters (about 45 feet) and is limited for measuring slopes in small areas. The slopes were subdivided into three categories; 1) greater than 25%, 2) 15% to 25%, and 3) less than 15%. The map indicates that the predominance of slopes within the City are less than 15%. However, steep slopes do exist within the City along a ridgeline that runs parallel and to the east of Engle

Avenue, the ridgeline located within the southeast portion of the City, and along Route 80 and Route 4. One landslide has been mapped along the Englewood/Leonia municipal border at Route 80 (Map 6).

3.4 Physiographic Province

Englewood is situated within the Piedmont Physiographic Province (Map 6), also known as the Triassic Lowlands and Diabase Uplands. Physiographic provinces are regional, broad-scale geographic subdivisions based on terrain texture, rock type, and geologic structure and history. The Piedmont Province is characterized by a low, rolling plain of sedimentary bedrock separated by a series of higher ridges composed of mafic igneous rocks formed by volcanic diabase intrusions and lava flows. These ridges typically form steep front faces with long back slopes. The width of the Piedmont Province varies from about 16 miles at the New York border, to 30 miles at the Delaware River. The Piedmont Province terminates at the Palisades with a spectacular view of New York City and the Hudson River.

3.5 Scenic Vistas

One of Englewood's unique natural resources is its scenic vistas, or scenic resources**.** A scenic vista is a visual panoramic experience from a public area which helps maintain the image of a community by protecting its visual and aesthetic characteristics. The Scenic Vista Map (Map 7) was prepared by creating a "hillshade" map from a digital elevation model (DEM). The hillshade map was created by shaded relief (or hillshading), which is a technique where a lighting effect is added to a map based on elevation variations within the landscape. This technique is generally intended to mimic the sun's effects - illumination, shading and shadows - on hills and canyons. The hillshade data specifies the brightness for each raster cell on a map image. The brightness depends on how the cell is positioned in relation to a single light source (e.g., the sun) and the light source position affects the brightness. There are two variables that are used to define the light's position - altitude and azimuth. Altitude ranges from zero to 90 (degrees) and relates to the angle the light source is from the horizon. An altitude of zero indicates that the light source is on the horizon, 90 means the light source is directly overhead. Azimuth ranges from zero to 360 (also degrees) and describes where the light source is positioned around the compass.

Aesthetic components of a scenic vista include scenic quality, sensitivity level, and view access. A scenic resource is an element of a scenic area that contributes to the area's scenic value and includes landform, vegetation, water, adjacent scenery, and may include a cultural modification to the natural environment. It creates a view that is aesthetically pleasing to the viewer and is normally viewed from a distance of one mile or more. Although scenic vistas are typically characteristic of rural areas containing natural visual elements that can be seen from a distance, Englewood's vantage points overlook views of the skyline and a forest of shade trees providing a resource of value.

Protection should be considered for these resources because a scenic vista can be impacted in two ways. A development project can have visual impacts by either directly diminishing the scenic quality of the vista or by blocking the view corridors or "Vista" of the scenic resource. Important factors in determining if a proposed project will block views include its height, mass, and location relative to surrounding land uses and travel corridors. The scenic vistas in Englewood occur on the hillshade map in areas where there

are sharp brightness value contrasts along ridgelines. These areas are predominantly located within the southeast quadrant of the City (Photograph 2).

3.6 Soils

Soils consist of disintegrated rock, decayed organic materials and open pore space. The variety of soil types in a region influence and are influenced by the nature of the vegetation. Soil types are indicators of the types of underlying bedrock and an important factor in local drainage conditions, including the chemical properties of local surface water. Soils must be considered in plans for construction of septic systems, roads, building, parking lots, and playing fields. Soils usually exhibit a profile consisting of distinct layers (or horizons) in a vertical sequence from the surface to a depth of several feet.

The surface layer is the A-horizon where most plant roots are formed and where the plant residues are returned to the soil. The A-horizon is usually richer in organic matter than underlying layers and is usually darker in color. The organic matter includes decaying plant material, bacteria and fungi. The B-horizon consists of more clay (fine-grained soil particles) than organic material and is lighter in color. The underlying C-horizon overlies bedrock and consists of fragmented or solid rock from which the soil developed. In areas of severe erosion, the A-horizon and/or the B-horizon may have been removed. Some soils on steep slopes lack the B-horizon, and the A- and C-horizons merge. Soils on bottomlands, where floods have left thick deposits of sediment may lack distinct horizons or have buried horizons.

3.6.1 Soil Survey

The Soil Survey of Bergen County, New Jersey was published in 1995 by the Soil Conservation Service of the U.S. Department of Agriculture (now the Natural Resource Conservation Service - NRCS) in cooperation with the New Jersey Agricultural Experiment Station and Cook College at Rutgers University.

Soils that have similar profiles make up a soil series. Soils of one series can differ in texture of the surface layer and in slope, stoniness, or some other characteristic that affects use of the soils by man. On the basis of the differences, a soil series is divided into phases. Soils are also classified relative to engineering properties such as septic disposal suitability, depth to high water table and shrink-swell potential to identify limitations or suitability of soils for present and potential uses. Individual soil series are also subdivided based on percent slope.

3.6.2 SSURGO Soils

The NRCS is currently in the process of standardizing the soil series of the United States. The new standardized mapping catalog is called the Soil Survey Geographic (SSURGO) data base. Properties of the SSURGO soils in Englewood are provided in Appendix B. The individual series found in Englewood, as presented in the SSURGO database, are presented in Map 8 and described below:

Boonton moderately well drained-Rock outcrop complex (BrcC - 8 to 15 percent slopes, BrcD – 15 to 25 percent slopes, and BrcE – 25 to 45 percent slopes). This series consists of rock outcrop exposures of bare, hard bedrock other than lava flows and rock-lined pits. This series consists mainly of unweathered volcanic and metamorphic rock, but includes some sedimentary rock such as consolidated limestone and conglomerate.

Boonton-Urban land complex (BouB - 0 to 8 percent slopes, BouC - 8 to 15 percent slopes, BouD - 15 to 25 percent slopes, and BouE - 25 to 45 percent slopes). The series consists of urban land (land mostly covered by streets, parking lots, buildings, and other structures of urban areas) with slopes ranging from 0 to 45 percent.

Dunellen loam (DuoB - 3 to 8 percent slopes, DuoC - 8 to 15 percent slopes, and DuoD - 15 to 25 percent slopes). The Dunellen series consists of deep, well drained soils on outwash plains and terraces. They formed in water-deposited material. Typically, these soils have a dark brown sandy loam surface layer, 8 inches thick. A subsurface layer from 8 to 14 inches is brown sandy loam. The subsoil layers from 14 to 32 inches are reddish-brown and dark reddish-brown sandy loam. The dark reddish-brown substratum from 32 to 42 inches is sandy loam and from 42 to 70 inches is loamy sand.

Dunellen-Urban land complex (DuuA - 0 to 3 percent slopes, DuuB - 3 to 8 percent slopes, DuuC - 8 to 15 percent slopes, and DuuD - 15 to 25 percent slopes). This series consists of deep, well drained soils on outwash plains and terraces. They formed in water-deposited material. Typically, these soils have a dark brown sandy loam surface layer, 8 inches thick. A subsurface layer from 8 to 14 inches is brown sandy loam. The subsoil layers from 14 to 32 inches are reddish-brown and dark reddish-brown sandy loam. The dark reddish-brown substratum from 32 to 42 inches is sandy loam and from 42 to 70 inches is loamy sand. Slopes range from 0 to 35 percent.

Fluvaquents, loamy (FmhAt - 0 to 3 percent slopes). This series consists of frequently flooded loamy Fluvaquents, consisting of very deep, poorly and somewhat poorly drained soils on flood plains. They formed in alluvium. Typically these soils have a reddish brown silt loam surface layer 7 inches thick. The mottled silt loam subsoil is reddish brown from 7 to 16 inches and pinkish gray from 16 to 35 inches. The substratum from 35 to 52 inches is pinkish gray sandy loam and below 52 inches is variegated pinkish gray stratified sand and gravel.

Haledon gravelly loam, very stony (HamBb - 0 to 8 percent slopes). The Haledon series consists of deep, somewhat poorly drained soils on uplands. They formed in glacial till. Typically, these soils have a very dark grayish-brown, very stony or extremely stony loam surface layer, 8 inches thick. The mottled subsoil from 8 to 30 inches is yellowish-brown cobbly loam. A very firm and brittle mottled fragipan from 30 to 45 inches is dark brown gravelly sandy loam. The substratum from 45 to 72 inches is dark brown very firm gravelly sandy loam.

Haledon-Urban land complex (HasB - 3 to 8 percent slopes). Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas.

Pascack Silt Loam (PbuA – 0 to 3 percent slopes). This soil is nearly flat and somewhat poorly drained. It is in shallow depressions and drainage ways on glacial outwash terraces and at the base of the terraces

adjacent to perennial streams. Typically, the surface layer is about 5 inches of dark grayish-brown silt loam. The upper 21 inches is dark brown fine sandy loam with brown mottles. The lower six inches is brown sandy loam. The substratum to a depth of 72 inches or more is stratified reddish brown, dark reddish gray, and brown loamy sand, sand, and very fine loamy sand.

Preakness Silt Loam (PrnAt – 0 to 2 percent slopes). The Preakness silt loam is level or nearly level, and poorly drained or very poorly drained and is frequently flooded. It is in broad depressions on outwash plains, in post-glacial lakebeds, and on narrow flood plains in streams associated with outwash terraces. Typically, the surface is black silt loam about 10 inches thick. The upper six inches of the subsoil is dark gray fine sandy loam that has pinkish gray and brown mottles. The lower nine inches is pinkish gray loamy fine sand.

Udorthents, undifferentiated (UdkttB, UdouB, UdwB, and UdwuB). Udorthents are soils that have been extensively modified through filling or grading practices and have variable site-specific limitations for development.

Udorthents, refuse substratum (UdrB - 0 to 8 percent slopes). Udorthents, refuse substratum, consist of areas either presently or formerly used to landfill trash. After closure of the inactive landfills, most were covered with earthen materials. The most recent closures usually have a dense fine textured cap of earth or fabric topped with a layer of soil suitable for growing plants to stabilize the slopes. Slopes of this series in Bergen County range from 0 to 50 percent.

Urban land (UR). Urban land is land mostly covered by streets, parking lots, buildings, and other structures of urban areas. The area was obscured by urban sprawl prior to formation of the US Soil Conservation Service. Slopes range from 0 to 45 percent.

3.6.3 Prime Agricultural Soils and Soils of Statewide Importance

Prime agricultural soils (or prime farmland soils) are derived from "Capability Class" groupings of soils with ratings of little to severe restrictions for agricultural production. Prime farmland soils have the best combination of physical and chemical characteristics for producing food, feed, forage, fiber and oilseed crops. They have the soil quality, growing season, and moisture content needed to economically produce sustained high yields of crops when treated and managed according to acceptable farming methods. They are not excessively erodible or saturated with water for a long period of time and do not flood frequently. The prime agricultural soils of Englewood consist of Dunellen loam, 3 to 8 percent slopes (DuoB) and Pascack silt loam, 0 to 3 percent slopes (PbuA) (Map 8). Isolated pockets of these soils are located near Overpeck Creek and Meltzer Brook in the northern portion of the City.

Farmlands of Statewide Importance are soils favorable for farming which do not meet the criteria of Prime agricultural soils. Englewood Soils of Statewide Importance consist of Boonton moderately well drained gravelly loam, 8 to 15 percent slopes (BohC), and Dunellen loam, 8 to 15 percent slopes (DuoC). Although Englewood is very urbanized, many planners recommend farmland retention and the preservation of the best agricultural soils. Isolated pockets of these soils are located to the north near Overpeck Creek, and to the south along Flat Rock Brook (Map 8).

According to the Master Plan, Englewood residents are invited to plant and maintain gardens in neighborhood parks. The active participation of residents becomes an important factor in maintaining the park and its furnishings, creating a safe and protected environment, and encouraging use. The limited areas of Prime Agricultural Soils and Soils of Statewide Importance in Englewood are potential resources to protect for potential park land.

3.6.4 Hydric Soils

Hydric, or wetland soils, are a special type of soils typically associated with wetlands. They have special engineering characteristics due to a high organic content (such as muck or peat), but may also include saturated mineral soil. They are generally rated as having severe limitations due to their association with freshwater wetlands and typical seasonal high water table. Hydric soils in Englewood are presented on Map 9. Hydric soils are defined under the Freshwater Wetland Protection Act as "a soil that in its undrained condition is saturated, flooded or ponded long enough during the growing season to develop anaerobic conditions that favor the growth and regeneration of hydrophytic vegetation. These soils may be on New Jersey's Official List of Hydric Soils developed by the United States Department of Agriculture Soil Conservation Service and the United States Fish and Wildlife Service National Wetlands Inventory." In Englewood, hydric soils occur in linear strings associated with the Flat Rock Brook and other wetlands. The soils of the Fluvaquents (FmhAt), Haledon gravelly loam, very stony (HamBb), Pascack Silt Loam (PbuA), Preakness Silt Loam (PrnAt), and the Udorthents (UdwB and UdwuB) series are hydric (Map 9).

3.7 Glacial Geology

Prehistoric soils in Englewood were stripped by the Wisconsin Glacier, and the surficial geology now consists of glacial sediments of Wisconsin age. The surficial geology characterizes the soils by their environment of deposition, as opposed to the SSURGO classification based on texture and properties. Glacial till is a heterogeneous mix of boulder- to clay-sized particles dumped onto the ground surface when the massive glacial ice melted and released its entrained sediments. A large band of continuous till (ct) stretches northeast/southwest through the central part of Englewood (Map 10). The continuous till is bounded to the east by a band of discontinuous till (dt) along the southeastern border of the City, drained by Flat Rock Brook. Discontinuous till is typically less than 20 feet in thickness, with numerous bedrock outcrops. Deltaic (d) and lacustrine (l) fan deposits are sand and gravel deposited as deltas and fans in glacial lakes. These deposits can reach a thickness of 200 feet in New Jersey and act as high groundwater recharge areas. An extensive deposit is located within the northern portion of Englewood, between Metzler Brook and Overpeck Creek, where fan sedimentation from the north filled a glacial lake which once occupied the Overpeck Creek stream corridor. A second deposit of fan material is located along the southern stretch of Flat Rock Brook.

Poor-draining lake bottom (l) sediments consist of fine-grained silt, clay, and fine sand deposited on the bottom of prehistoric glacial lake Hackensack and fills the valley occupied by the Overpeck Creek stream corridor. Ice contact (ic) deposits consist of sand and gravel and sandy, boulder diamict (very poorly

sorted sediment), forming hummocky topography. An isolated pocket of ice contact material is located at the confluence of Overpeck Creek and a tributary stream in the north central portion of the City (Map 10).

3.8 Bedrock Geology

The bedrock geology of Englewood is composed of sedimentary and bedded volcanic rocks of the Newark Supergroup that were deposited during the Lower Jurassic and Upper Triassic geologic ages. The ridgeline that runs along the southeastern town boundary with Englewood Cliffs is composed of relatively erosion-resistant basaltic (volcanic) bedrock. The remainder of the City is underlain by sedimentary rocks of the Passaic and Lockatong Formations. The formations trend in northeast/southwest bands (Map 11). The sedimentary rocks were formed by sediments deposited in a variety of environments, or facies. The sandstone and siltstone facies of the Lockatong Formation was less resistant to glacial scouring than the surrounding formations and underlies the relatively flat, low-lying northwestern portion of the City, including the deep glacial lake sediments within the Overpeck Creek stream corridor.

One inactive geologic fault mapped by the New Jersey Geologic Survey (NJGS) runs northwest/southeast through the City. Bedrock faults are fractures where noticeable movement has taken place. Although low level seismic tremors are common in New Jersey, there are no historic earthquakes reported in Englewood. Inactive faults are typically characterized by enhanced bedrock permeability beneficial for groundwater movement, but may also be sealed by mineralization. The bedrock formations of Englewood are described in detail below:

Jurassic Diabase (Jd). According to the United States Geologic Survey (USGS), Jurassic diabase is an igneous volcanic rock formed by intrusion of mafic (silica deficient) magma that originated from the Earth's mantle and was intruded into the sedimentary rocks of the Newark Group. The diabase in Englewood (also known as the Palisades Sill), is a crystalline medium- to coarse grained subophitic matrix and formed in discordant stock-like intrusions of dark-greenish-gray to black bedrock. The chilled, contact margins with the surrounding sedimentary rocks are aphanitic to very fine grained. Diabase is dense, hard, and sparsely fractured. It is composed mostly of iron-rich minerals including plagioclase, clinopyroxene (mostly augite) and magnetite with subordinate ilmenite. Accessory minerals include apatite, quartz, alkali feldspar, hornblende, titantite, and zirocon. Olivine is rare. Within about 655 feet above and 490 feet below the large diabase sheets, red mudstones are typically metamorphosed into indurated, bluish-gray hornfels commonly with clots or crystals of tourmaline or cordierite, whereas argillitic siltstone is metamorphosed into brittle, black, very fine grained hornfels. The sheet-like intrusions are as much as 1,180 to 1,310 feet thick. Dikes range in thickness from 10 to 50 feet and several miles long. Thickness of the stock-like bodies is unknown[4]. The Palisades Sill forms a high ridge along the Hudson River for miles from Bergen Point, New Jersey, to Haverstraw, New York. A crushed stone quarry that operated between 1900 and 1925 mined the diabase (Photograph 3) off of Jones Road. The former quarry is now part of Flat Rock Brook Park.

[4] USGS, 2010, Mineral Resources Online Spatial Data, Geologic Units Containing Diabase.

Lockatong Formation (Trl). According to the NJGS, the Lockatong Formation is a sedimentary rock formed from cyclically-deposited sedimentary sequences consisting of light- to dark-gray, greenish-gray, and black, dolomitic or analcime-bearing silty argillite, laminated mudstone, silty to calcareous, argillaceous, very-fine-grained pyritic sandstone and siltstone, and minor silty limestone.[5] Two types of cycles are recognized: detrital and chemical. Detrital cycles average 17 feet thick and consist of basal, argillaceous, very fine grained sandstone to coarse siltstone; medial, dark-gray to black, laminated siltstone, silty mudstone, or silty limestone; and upper, light- to dark-gray, silty to dolomitic or analcime-rich mudstone, argillitic siltstone, or very-fine grained sandstone. Chemical cycles are similar to detrital cycles, but thinner, averaging 10.5 feet. Cycles in the northern Newark Basin are thinner and have arkosic sandstone in lower and upper parts. The formation is thermally metamorphosed into hornfels along the contact where intruded by the diabase stock.

Lockatong Formation Arkosic Sandstone Facies (Trla). This is a member within the upper part of the Lockatong Formation (described above) composed mostly of light-gray to light-pinkish-gray or light-brown, coarse- to fine-grained, thick- to massive-bedded arkosic sandstone.

Passaic Formation Mudstone Facies (JTrpms). The Passaic Formation is an extensive deposit of sediments that filled the Newark Basin following the split of North America and Africa due to continental drift. It is described as a reddish-brown to brownish-purple and grayish-red siltstone and shale with a maximum thickness of 11,810 feet. Gray-bed cycles are abundant in the lower half of the Passaic Formation and less common in the upper half. This portion of the formation consists of sandy mudstone that is reddish-brown to brownish-red, massive, silty to sandy mudstone and siltstone, which are bioturbated, ripple cross-laminated and interbedded with lenticular sandstone. The lowest part of the cycle has some desiccation features and local fossils; the middle part has highest organic content and the most fossils; the highest part contains mud cracks, burrows, and root casts.

Passaic Formation Sandstone and Siltstone Facies (JTrps). This facies member of the Passaic Formation contains mapped sandstone. The sandstone is medium to coarse grained, feldspathic (up to 20 percent feldspar), and locally contains pebble and cobble layers.

3.9 Radon

Radon (Rn^{222}) is a colorless, odorless and tasteless radioactive gas that occurs naturally in most rocks and soil. It is produced by the breakdown of uranium in soil, rock and water. Radon is harmlessly dispersed in outdoor air, but when trapped in buildings can increase the risk of lung cancer, especially at elevated levels. It typically enters a home the same way air and other soil gases enter the home, through cracks in the foundation, floor or walls, hollow-block walls, and openings around pipes, sump pumps, and floor drains. It can also be present in some construction materials and in water from underground sources, including private wells. The USEPA recommends that indoor air radon concentrations be at levels at 2 picocuries per Liter (pCi/L)[6].

[5] NJGS, 1996, Bedrock Geology of New Jersey.
[6] USEPA, 2009, A Citizens Guide to Radon, The Guide to Protecting Yourself and Your Family From Radon, http://www.epa.gov/radon/pdfs/citizensguide.pdf

In 1987 the USEPA published a map entitled "Areas with Potentially High Radon Levels" which ranked radon potential based on pCi/L concentrations for each county in the United States. The mapped radon potential was subdivided into three "zones" as follows:

Zone 1: Counties have a predicted average indoor air screening level of >4pCi/L

Zone 2: Counties have a predicted average indoor air screening level of ≥2 pCi/L and ≤4pCi/L

Zone 3: Counties have a predicted average indoor air screening level of <2 pCi/L

The zones, which pertain to the lowest livable area of a structure, were designated based on five factors consisting of locally collected indoor air data, geology, aerial radioactivity, soil parameters, and foundation types. The radon potential map indicates that all of Bergen County (including Englewood) is ranked as Zone 2 (counties having a predicted average indoor air screening level of ≥2 pCi/L and ≤4pCi/L).

Site-specific characteristics may increase the potential for radon, including the presence of bedrock faults similar to the fault that runs through Englewood (Map 11). The process of faulting may increase the presence of radon-generating minerals through the bedrock deformation process of ductile shear, known as mylonitization. During mylonitization, uranium concentrations may be increased by: (1) the introduction of uranium-bearing fluids into the shear zone, or (2) volume loss, which leaves the rock relatively enriched in uranium. Grain-size reduction of uranium bearing accessory minerals (such as titanite, zircon, monazite, and apatite) common to metamorphic and igneous rocks makes uranium available for redistribution into the bedrock texture foliation. The texture imparted to the rock during shear also increases its permeability. Oxidation of iron during deformation and subsequent weathering results in the distinctive iron "staining" characteristic of many shear zones. Iron oxides and other metal oxides scavenge uranium and radium available through the weathering processes, increase the radon emanation from the rocks and soils, and make radon readily available to local ground waters. Shear zones in Pennsylvania, Virginia, New Jersey, and Maryland show anomalously high radioactivity and uranium, indoor radon, and soil radon concentrations. Consequently, the USEPA recommends that all dwellings be tested for radon, regardless of which zone they are situated in.

Radon test kits that include installation instructions are readily available to home owners through hardware stores. Several remediation techniques to reduce the concentration of indoor radon are viable and can be implemented through commercial remediation contractors.

4.0 WATER RESOURCES

4.1 Surface Water Quality Standards

The most prominent stream in Englewood is Overpeck Creek, which bisects the City from northeast to southwest. Metzler Brook joins Overpeck Creek at the southern tip of MacKay Park. Flat Rock Brook is the dominant drainage within the southeast portion of the City (Photograph 4). All streams in Englewood are classified as Fresh Water Category 2 Non Trout/Saline waters of estuaries, or FW-NT/SE2. The NJDEP is charged with enforcing standards of surface water quality in accordance with the New Jersey Administrative Code (N.J.A.C.). In accordance with N.J.A.C. 7:9 B. "The Department shall define the designated uses which are to be protected and maintained, identify those waters to which each designated use applies, and establish numerical or descriptive criteria for water quality substances in a manner that is consistent with the designated uses and policies described herein".

In all SE2 waters the designated uses are:

1. Maintenance, migration and propagation of the natural and established biota;
2. Migration of diadromous fish;
3. Maintenance of wildlife;
4. Secondary contact recreation; and
5. Any other reasonable uses.

The NJDEP establishes water quality-based effluent limitations for New Jersey Pollution Discharge Elimination Systems (NJPDES) point sources in accordance with N.J.A.C. 7:14A. These limitations apply to treated discharges from waste water treatment systems into surface waters, and regulate the quality of water quality parameters such as dissolved oxygen, and specific nutrients and chemical constituents. For new and/or expanding NJPDES point sources, the water quality-based effluent limitations shall comply with the anti-degradation policies at N.J.A.C. 7:9B-1.5(d) above. Currently, there are 10 permitted NJPDES discharges along the Overpeck Creek corridor in Englewood (Map 12).

The NJDEP has also established one biological monitoring station (Site ANO212) on Overpeck Creek. According to the GIS meta-data, the creek was sampled for aquatic macro-invertebrates during three separate events. Results of the first sampling event indicated that the stream quality was classified as "severely impaired". This classification is described as having a benthic community drastically different from those in less impaired situations; with macro-invertebrates dominated by few taxa (but with many individuals); and only pollution tolerant individuals present. The results of the second two sampling events indicated that the stream improved to "moderately impaired", characterized by a reduction in macro-invertebrate richness, in particular, E+P+T (Ephemeroptera, Plecoptera and Trichoptera) or EPT index, reduced community balance and number of pollution tolerant taxa.

4.1.1 Storm Water Outfalls

Untreated storm water runoff can adversely impact surface water quality. Although the review of storm water impacts to surface water in Englewood was beyond the scope of this project, the City has conducted

an inventory and mapped 110 storm water outfalls (Map 12) along the various streams in Englewood. The increase in impervious surfaces from urbanization of a watershed acts to intensify the volume of storm water runoff, thereby enabling the transport of non-point source (NPS) pollutants. These pollutants include sediment, fertilizers, pesticides, road salt, and oily residues from automobiles which can greatly affect the health of a stream and its watershed. The effects of storm water runoff include soil erosion in the watershed, stream bank erosion and collapse, and NPS water pollution.

Impervious surfaces and storm sewer collection systems that discharge through outfalls directly to streams result in the rapid transport of rainwater into stream channels. These stream channels may not be able to handle large volumes of fast moving water in a short amount of time, leading to flooding and stream bank erosion. Faster moving waters are usually able to carry larger particles, greater quantities of sediment, and erode existing banks, thereby depositing more sediment downstream. In areas where there are permeable surfaces such as grass, gravel, or vegetation, storm water has a better opportunity to seep into the ground and either be taken up by plants or incorporated into the groundwater. The NJDEP has prepared a manual of Best Management Practices (BMPs) to enhance natural conditions, with features such as stream buffers and rain gardens, designed to minimize direct storm water runoff into streams.

4.2 Wetlands

Wetlands can be defined as areas transitional between dry lands and open waters. They are areas of low topography, poor drainage, and standing water. Wetlands during years of drought may be less extensive than during years of average rainfall.

Englewood is located at the extreme northern end of the Hackensack Meadowlands. Tidal effects are kept out by tide gates located on Overpeck Creek at the south end of the City, where a small amount of Phragmites (wetlands) vegetation still exists. According to the Englewood Quality of Life Study (Appendix A, page 43), early maps of Englewood show the area on which most of the Third and Fourth Voting Wards are located as “impassable swamp”. “The tide gates changed Overpeck Creek from an estuary to a fresh-water lake which serves as a retention reservoir for flood flows from the Overpeck Creek area. Flood waters are stored during high tide and released during low tide. The gates are opened (during flood conditions) when the floodwaters stored in the estuary rise to an elevation 6 inches higher than the tide downstream”. Currently, the distribution of wetlands (Map 12) in Englewood is predominantly restricted to stream corridors, particularly along the Flat Rock Brook, and the headwaters of Overpeck Creek and Metzler Brook. There are very few isolated occurrences of linear wetlands between streams. Information extracted from the GIS database indicates that there are approximately 40 acres of wetlands in Englewood, which is about 1% of the land cover.

4.2.1 Functions of Wetlands

Wetlands have a set of common natural functions that provide valuable resources for man. Inland wetlands are natural areas characterized by the association of specific types of vegetation and standing water or saturated soils. Because of their complicated biological, chemical, and hydrologic interrelationships, wetland systems are important in the maintenance of environmental quality.

Wetlands affect water quality. Aquatic plants change inorganic nutrients into organic material, storing it in their leaves or in the peat, which is composed of their remains. The stems, leaves, and roots of these plants also slow the flow of water through a wetland, allowing the silt to settle out, as well as catching some of the silt themselves. Thus, the elimination of wetlands causes faster runoff of more polluted water, including runoff from non-point sources. Preservation of wetlands protects the downstream resources of the community from siltation and pollution.

Wetlands moderate extremes in water supply. Wetlands also act to retain water during dry periods and hold it back during floods, thus keeping the water table high and relatively stable. The complete relationship between wetlands and groundwater hydrology is complicated. Wetlands may have one of three general characteristics:

Discharge Area. The wetland is a discharge area for groundwater where the water table intersects the ground surface. During periods of heavy precipitation, wetlands slow runoff and hold water, thereby replenishing groundwater. During dry periods, the associated organic material will release water slowly to stabilize water levels. When the water table drops during drought or over pumping, the wetland may dry up through evaporation and by recharging the underlying water table through vertical leakage of stored water. In such cases, wetlands may serve as groundwater recharge areas.

Perched Area. The wetland is "perched" when it is above and disconnected from the water table, being sealed by a layer of low permeability soil. In this case, linkage between the wetland and the regional water table is less evident. The wetland catches runoff, and during heavy precipitation may fill until it overflows to release the rest of the water downstream. Perched wetlands function like small dams by retaining water from lower areas of the watershed and reduce flooding. During drought, it loses water through evaporation, as do the uplands, but at a slower rate because of soil and plant conditions, and thus it acts as a water source for wildlife.

Wetlands are important for overall environmental health and diversity. They provide essential breeding, nesting, resting, and feeding habitat as well as predator-escape cover for myriad forms of fish and wildlife. The presence of water is also attractive to many upland birds and other animals. Since it is here that the food webs of land and water are most intimately connected, wetlands are important for supporting a wide variety of plants and animals. These factors have the social value of providing advantages with regard to health, recreation, scientific research, and education, and they add to the aesthetic qualities of the community.

4.3 Groundwater Recharge

A groundwater recharge map was prepared for Englewood (Map 13a). Groundwater recharge is defined as recharge which infiltrates into the ground to a depth below the root zone, based on a monthly soil-water-budget approach. The map was prepared by ranking land use/land cover (LULC) categories and by grouping the various soil types based on groundwater recharge potential in accordance with the NJGS guidance document entitled “A Method for Evaluating Ground-Water Recharge Areas in New Jersey” (NJGS 1993). The various LULC categories, based on a 2002 aerial photograph, were coded by the

NJDEP for recharge potential based on the imperviousness/runoff nature of the land surface. The mapped soil types were grouped and ranked for recharge potential based on permeability and runoff characteristics. The LULC and soils maps were then merged to create the groundwater recharge map. The resulting LULC and soil group combinations were classified by groundwater recharge potential (in inches per year) by accounting for precipitation, percolation potential, and evapotranspiration. Although Englewood does not utilize groundwater for drinking water, the recharge map is also useful for storm water management recharge requirements.

It is important to note that recharge potential was mapped irrespective of the aquifer materials present in the subsurface, and is therefore not considered to be a map of "aquifer recharge". In addition, the recharge potential of hydric soils, wetlands, and open waters cannot be determined by this method, so these spatial features are excluded from the recharge map calculations, being mapped as a separate layer.

Results of the mapping indicate that the groundwater recharge of the land surface in Englewood ranges from 0 to 15 in/yr (Map 13a). The lower range of recharge occurs in areas composed of low permeability soils and land cover, whereas the higher range occurs in areas of high permeability soils. The majority of high recharge soils occur southeast of the railroad tracks.

Stream Baseflow. Surface water streams in the northeastern United States are typically recharged by base flow groundwater discharge, surface water runoff, and direct precipitation. Base flow is the part of stream water derived from groundwater discharge seeping into the stream. Groundwater flows from high potential elevation head in recharge areas, to low potential head in discharge areas. The slope of the water table is its gradient. The water table is exposed to the atmosphere at stream locations between storm events.

Base flow provides the water in streams between precipitation events. During a drought, the rate of base flow feeding the stream will decline (base flow recession) resulting in a decline in the stream's water level. In humid regions like New Jersey, typical streams are "gaining streams" where flow goes from the aquifer into the stream. Therefore, the water quality of gaining streams between precipitation events is a reflection of groundwater quality. In arid regions like the southwestern United States, streams are "losing streams" where water goes from the stream into the aquifer. Gaining steams may become losing streams during floods due to the increased potential pressure head exerted by the increased water level on the groundwater table.

4.4 Aquifer Recharge

Aquifer recharge potential was mapped by the NJGS by superimposing ground-water recharge maps over aquifer maps (Map 13b). A rankings system was developed by the NJGS to display the potential for aquifer recharge. Aquifer recharge or recharge to water-bearing geologic units is defined by this method as the groundwater which reaches the water table in the uppermost geologic unit with a thickness of 50 feet or greater. After calculating the combination of the aquifer and groundwater recharge map values, a composite ranking of 25 possible state-wide aquifer-recharge potentials was produced by combining the 5 possible ground-water recharge ranks with the 5 possible aquifer ranks. This composite aquifer-recharge potential rank highlights the multiple relationships between the ground-water-recharge area ranks

(indicative of the infiltration rate) and the underlying water-table aquifer ranks (indicative of the aquifer's capacity to absorb, transmit and supply water). To simplify the aquifer recharge potential display for Englewood, the recharge potential ranks were grouped into ranges of high, medium, and low aquifer recharge potential. High aquifer recharge potential is characterized by high recharge soils overlying aquifer ranks with yields from 100 to 500 gallons per minute (gpm). Medium aquifer recharge potential consists of high recharge soils overlying aquifer ranks with yields from 25 to 100 gpm, and low aquifer recharge potential is mapped as low recharge potential soils over low yielding aquifers (less than 25 gpm). The aquifer recharge potential map indicates that the highest aquifer recharge potential is restricted to the northwest portion of the City.

4.5 Aquifer Ranks

Aquifers are geologic materials that can store and transmit economic quantities of groundwater. Although Englewood is not situated within a designated Sole Source Aquifer area because it receives potable water from a surface water source, this section regarding aquifer rank is provided in the event that the surface water source is ever threatened by conditions such as prolonged drought. The importance of the groundwater resource was also highlighted in the Englewood: A Quality of Life Study document. The NJDEP ranks aquifers classified by well yield in gallons per minute (gpm). The aquifers in Englewood (Map 14) include three bedrock and four surface aquifers in the Town. The map consists of two GIS coverages of both the bedrock and the surficial aquifer units in New Jersey.

The bedrock-aquifer coverage includes igneous and sedimentary aquifers of the Piedmont Physiographic province. The surficial-aquifer coverage includes permeable glacial sediments exceeding 50 feet in thickness, which is the minimum NJDEP requirement for the depth of well casing in unconsolidated aquifers. The aquifer ranks were determined from yield tests measured in gallons per minute (gpm) of high capacity industrial wells that often greatly exceed the capacity of residential wells in the same aquifer. According to the map, the bedrock aquifer in Englewood is dominated by Passaic Formation Aquifer Ranks C with associated well yields ranging from 101 to 250 gpm, and D with associated yields of 25 to 100 gpm. The igneous diabase bedrock aquifer along the southeastern border of the City is classified as Aquifer Rank E with associated yields of less than 25 gpm.

The surficial aquifers are restricted to the central portion of the City where sediments are greater than 50 feet in thickness. The coarse-grained sediment fans located in the northern portion of the City are classified as Aquifer Rank B with yields ranging from 251-500 gpm. The fine-grained lake bottom sediments are classified as Aquifer Rank E with yields of less than 25 gpm, and there is a sliver of Aquifer Rank D with yields of 25 to 100 gpm, located along the southeastern edge of the glacial sediment deposit (Map 14).

4.6 Groundwater Quality

Groundwater classifications are regional in extent and based on the hydrogeologic characteristics of the aquifer and the designated uses to be maintained, restored and enhanced within the classification area. Currently, the state's groundwater is divided into 3 classes:

- Class I — Ground Water of Special Ecological Significance (mostly the Pinelands & Natural Areas)
- Class II — Ground Water for Potable Water Supply (most of the state)
- Class III — Ground Water with Uses other than Potable Supply (much smaller areas).

The majority of the State, including Englewood, is classified as Class II-A. According to N.J.A.C. 7.9-6.5 (e) 1, the primary designated use for Class II-A groundwater is potable water and conversion (through conventional water supply treatment, mixing or other similar technique) to potable water. Class II-A secondary designated uses includes agricultural and industrial water. The specific Class II-A groundwater quality standards (GWQS) which are protective of potential contaminants are summarized in Appendix C. The GWQS are based on the quality of ground water not influenced by discharges.

4.7 Groundwater Contaminant Threats

4.7.1 Known Contaminated Sites

Groundwater quality is regulated by the NJDEP, and there are 54 sites in Englewood that are on the NJDEP Known Contaminated Site List (KCSL) (Table 3). Sites are placed on the list when an incident such as a spill or other evidence of environmental impact is reported. In addition, there are seven classification exception areas (CEAs) within the City (Map 15). A CEA is an administrative instrument that serves as an institutional control by providing notice that there is groundwater pollution in a localized area caused by a discharge at a contaminated site. The NJDEP establishes a groundwater CEA as part of a remedial action for groundwater from a contaminated site when the groundwater does not meet the groundwater quality standards.

4.7.2 Historic Fill

Historic fill material is a potential threat to groundwater quality because it was placed prior to the enactment of environmental laws and may contain soils that include various levels of contaminants. It is defined as non-indigenous material placed on a site in order to raise the topographic elevation. No representation is made as to the composition of the fill or presence of contamination in the fill. The "Brownfield and Contaminated Site Remediation Act" (N.J.S.A. 58:10B-1 et seq.) requires the NJDEP to map regions of the state where large areas (over 5 acres) of historic fill exist and make this information available to the public. Some areas mapped as fill may contain chemical-production waste or ore-processing waste that exclude them from the legislative definition of historic fill. Coal ash, which contains heavy metals and polycyclic aromatic hydrocarbons (PAHs) resultant from historic railroad operations, is a common constituent of this material. Historic fill is present in Englewood along the rail line and Route 4, within the southwest corner of the City, and along the northern stretch of Metzler Brook (Map 15).

4.8 Floodplains

The floodplain delineation was obtained from the Federal Emergency Management Agency (FEMA) and includes the 100- and 500- year floodplains (Map 16). The majority of floodplain acreage in Englewood exists within the Overpeck Creek drainage area located in the southwestern portion of the City. Subordinate floodplain areas also exist along the northern stretch of Overpeck Creek, and along Metzler Brook and Flat Rock Brook Creek.

According to FEMA, a 100-year flood is a flood that has a one-percent chance of being equaled or exceeded in any given year. A base flood may also be referred to as a 100-year storm and the area inundated during the base flood is sometimes called the 100-year floodplain. The term "100-year flood" is misleading. It is not the flood that will occur once every 100 years. Rather, it is the flood elevation that has a one-percent chance of being equaled or exceeded each year. Thus, the 100-year flood could occur more than once in a relatively short period of time. The 100-year flood, which is the standard used by most Federal and state agencies, is used by the National Flood Insurance Program (NFIP) as the standard for floodplain management and to determine the need for flood insurance. A structure located within a special flood hazard area shown on an NFIP map has a 26 percent chance of suffering flood damage during the term of a 30-year mortgage.

A base flood elevation (BFE) is the height of the base flood, usually in feet, in relation to the National Geodetic Vertical Datum of 1929, the North American Vertical Datum of 1988, or other datum referenced in the Flood Insurance Study report, or depth of the base flood, usually in feet, above the ground surface.

FEMA has created different flood hazard zone designations with associated flood insurance risk categories. In Englewood, the designations are A, AE, X and X500. For simplification (Map 16), only the 100-year and 500-year designated flood hazard zones were plotted (Map 16). FEMA Zone A is the flood insurance rate zone that corresponds to the 100-year floodplains that are determined in the Flood Insurance Study (FIS) by approximate methods. Because detailed hydraulic analyses are not performed for such areas, no BFEs or depths are shown within this zone. Mandatory flood insurance purchase requirements apply.

Zone AE is the flood insurance rate zones that correspond to the 100-year floodplains that are determined in the FIS by detailed methods. In most instances, BFEs derived from the detailed hydraulic analyses are shown at selected intervals within this zone. Mandatory flood insurance purchase requirements apply.

Zone X is the flood insurance rate zones that correspond to areas outside the 100-year floodplains, areas of 100-year sheet flow flooding where average depths are less than 1 foot, areas of 100-year stream flooding where the contributing drainage area is less than 1 square mile, or areas protected from the 100-year flood by levees. No BFEs or depths are shown within this zone. Zone X500 is the rate zone corresponding to areas within the 500-year floodplain.

In Englewood, the majority of designated floodplain area lies within the Overpeck Creek stream corridor. Overpeck Creek is channelized (contained within a concrete canal) through Mackay Park (Photograph 5) and south along Overpeck Road (Photograph 6) into the Borough of Leonia. The area west of the canal and north of Forest Avenue is the site of flooding during heavy rains, and the City has expressed interest

in dredging the debris (Photograph 7) from the channel in an attempt to mitigate flooding. Prior to dredging, the sediments will require representative sampling and analysis to characterize the dredge material for disposal. Dredging would also require approval and permitting by the NJDEP.

5.0 LIVING RESOURCES

5.1 Land Use/Land Cover

Existing Land Use/Land Cover in New Jersey was interpreted by the NJDEP using aerial photographs from the 2002 aerial fly-over. The land use was interpreted by the NJDEP using the modified Anderson et. al. (1976) classification system. Parcels smaller than 2.5 acres (the minimum mapping unit) may not be accurately mapped. Any developments constructed after 2002 are not reflected in the map or interpretation. For simplicity, the data from this mapping effort was reclassified into the generalized categories of agricultural land, forest, urban land, water, and barren land (Map 17). Perhaps Englewood's greatest natural resource is its population. The existing land use character of Englewood is dominated by urban cover which comprises 90%. To depict the population distribution, the residential land use pattern was further subdivided from the NJDEP mapped urban classification (Map 18a).

The GIS map of 2002 Land Use/ Land Cover map indicates that the City is predominantly classified as urban. The second most predominant land cover is forest, which comprises approximately 254 acres, or about 8% of the land area. The forest is concentrated in the southeastern section of the City along the Flat Rock Brook Park and stream corridor, and mostly within isolated patches southeast of Grand Avenue/Engle Street. Only 4.6 acres of barren land are located in Englewood (about 0.1%). Surface water bodies (streams, lakes and canals) occupy about 21 acres, or less than 1% of the land area. Although wetlands occupy only about 1% of the land surface, their presence in some areas may be masked by forest cover and escape interpretation. There are no mapped agricultural land uses in the City. The land use/land cover is summarized below in Table 4:

Table 4

Summary of Land Use/Land Cover

Land Use	Acres	% of City
Barren Land	4.6	0.1
Forest	254.1	8.0
Urban	2850.3	89.9
Water	20.7	0.65
Wetlands	40	1.3
Total	**3169.7**	**99.95**

5.1.1 Residential Zoning

Englewood's residential zoning consists of 3 primary districts further subdivided into 15 sub-districts with varying permitted uses and conformance requirements. In contrast to the NJDEP mapped density (Map 18a), these residential districts (from the Municipal Land Use Ordinance) are presented on Map 18b and summarized below:

- One-Family Residence Districts (R-AAA, R-AA, R-A, R-B, R-C, R-D, and R-E)
- Multiple Residence District (RMA, RMB, RMC, RMD, RME, RMF, and RMH)
- Attached Townhouse (ATH) District

The Englewood Zoning Map (Appendix D) indicates that the land use ordinance also includes three overlay districts that include residential:

- Retail/Commercial/Residential (RCR) Overlay District
- Mixed Use Residential/Retail (MURR) Overlay District
- Planned Unit Development (PUD-1) Overlay District

5.2 New Jersey State Plan

According to the New Jersey State Plan[7], Englewood is almost entirely within the designated Metropolitan Planning Area (PA1) (Map 19). This Planning Area includes a variety of municipalities that range from large Urban Centers to 19th century towns shaped by commuter rail and post-war suburbs. The Communities in this Planning Area have strong ties to major metropolitan centers – New York/Newark/Jersey City metropolitan region; the Philadelphia/Camden/Trenton Metropolitan Region; and on a smaller scale the Easton/Phillipsburg Metropolitan Region. These municipalities have many things in common: mature settlement patterns; infrastructure systems that are approaching their reasonable life expectancy; an aging housing stock in need of rehabilitation; recognition that redevelopment will be the predominant form of growth; and a growing realization of the need to regionalize services and systems. In addition, the wide and often affordable choice of housing in proximity to New York and Philadelphia has attracted significant immigration, resulting in noticeable changes in demographic characteristics over time. In the Metropolitan Planning Area, the State Plan's intent is to do the following:

- Provide for much of the State's future development and redevelopment;
- Revitalize Cities and Towns;
- Take advantage of increased densities and compact building design;
- Encourage distinctive, attractive neighborhoods with a strong sense of place;
- Provide for mixed-use concentrations of residential and commercial activity;
- Create a wide range of residential housing opportunities and choices with income mix;
- Provide for a variety of multi-modal transportation alternatives;
- Prioritize clean-up and redevelopment of brownfields and greyfields sites;
- Create cultural centers of state-wide significance; and,
- Re-design any existing areas of low-density sprawl.

A very small portion of Englewood located in the southwest corner along Overpeck Creek is classified as Park (Map 19).

[7] New Jersey State Planning Commission, 2010, Final Draft New Jersey State Development and Redevelopment Plan

5.3 Vegetation

Vegetation in Englewood includes an abundance of shade trees and fragments of a remnant forest. A data request regarding rare species information was submitted to the NJDEP Natural Heritage Program in April 2010. Results of the Natural Heritage database search for Englewood are presented in Appendix E and indicate that there are no records for rare plants or ecological communities in Englewood City. However, the database indicates that a rare plant species or natural community occurrence is documented within 1.5 miles of the City. A list of rare plant species and ecological communities for Bergen County is also provided in Appendix E. A detailed description of the vegetation in Englewood is provided in the Englewood: A Quality of Life Study (Appendix A, page 64). The vegetation inventory list prepared in 1976 included 37 species.

5.3.1 Shade Trees

The shade tree urban forest is an important natural resource that contributes to the quality of life for the residents of Englewood. The urban forest (Photograph 8) provides many benefits, including improved air and water quality, reduction in energy costs, increased property values, increases in economic stability, improves citizen's personal health, and beautifies the community. Responsible citizens may act as stewards to insure that these resources and their benefits are available to everyone and sustained for generations to come.

Shade trees require care, and the number one challenge in shade tree management is effective communication with tree care contractors, builders, engineering professionals, residents, elected officials and the media. GIS can be used effectively as a visual tool to manage shade tree inventories. Communication can be fostered through ordinances that may be adopted to protect the urban forest resource. Specific ordinances may be adopted to guide contractors, builders, developers and residents in their construction and landscape practices as related to the policies and management of the urban forest and shade trees.

Shade trees and urban forests are also often managed by Shade Tree Commissions. However, many municipalities and counties disbanded their Shade Tree Commissions in the late 1990's due to fear of litigation as a result of hazardous tree situations. Consequently, the New Jersey Shade Tree and Community Forestry Assistance Act was passed on December 5, 1996. By providing liability protection to participating municipalities and counties, the Act has ensured that Shade Tree Commissions are in place to provide more livable communities through the care and management of trees throughout New Jersey.

5.4 Wildlife

5.4.1 Threatened and Endangered Species

A data request regarding rare species information was submitted to the NJDEP Natural Heritage Program in April 2010. Results of the Natural Heritage database search for Englewood are presented in Appendix E and indicate that two species of State Status are listed. The Eastern Box Turtle (*Terrapene carolina*

carolina) is listed as a species of special concern (SC), and the Wood Turtle (*Glyptemys insculpta*) is listed as threatened (T). Recently, black bears (no longer endangered) were reported in Englewood, and there are unconfirmed sightings of bats.

A detailed description of the wildlife in Englewood is provided in the Englewood: A Quality of Life Study (Appendix A, page 71). The wildlife inventory list prepared in 1976 included 126 species of birds, 12 mammal species, and two reptile species sighted in Englewood.

5.4.2 Critical Wildlife Habitat

Critical wildlife habitat in Englewood is presented on the Landscape Project Habitat Map (Map 20). In 1994 the N.J. Division of Fish, Game and Wildlife's Endangered and Nongame Species Program (ENSP) adopted a landscape level approach to rare species protection. The goal of the program is to protect New Jersey's biological diversity by maintaining and enhancing rare wildlife populations within healthy, functioning ecosystems. The Landscape Project provides critical habitat information subdivided into 5 landscape regions - Skylands, Piedmont, Pinelands, Coastal and Delaware. The regions are classified by identifying critical rare species habitats based on land use classifications and rare species locations. For the Piedmont region, which encompasses all of Englewood, specific goals have been proposed which can be used for developing sound planning, protection, and management programs. These goals are:

- Protect and restore stream/wetland habitat corridors and buffers for wildlife survival and water quality;
- Keep the protected and private natural lands connected;
- Identify and protect grasslands that support wildlife;
- Control invasive overabundant species; and,
- Take care of unique habitats and urban wildlife areas.

The Piedmont region in New Jersey supports a number of threatened and endangered species. Although none of these species have been reported in Englewood, the Piedmont landscape is a critical transition area between the northern deciduous forest ecosystem of the Skylands Landscape, and the southern coastal plain ecosystem of the Pinelands Landscape. According to the NJDEP New Jersey Wildlife Action Plan[8], successful management of the Piedmont Landscape is essential to conservation of several species including bald eagles, colonial water birds and freshwater wetland birds that inhabit riparian forests, brackish and freshwater wetlands. The Palisades Interstate Park is the last stronghold of the Allegheny wood rat in New Jersey, and the Northern Piedmont and the Raritan Bay and North Atlantic Coast are important for recovering populations of peregrine falcon and osprey.

Englewood contains both the forest, and a very limited extent of forested wetlands critical habitats (Map 20). There is also documented wood turtle habitat located within the upland area southeast of Flat Rock Brook. Where significant in extent, the forest and forested wetland habitats provide a home to resident and migrating birds and play a role in the migration route linking North America to wintering areas in South America. In addition, there is a mapped urban peregrine falcon foraging area in Fort Lee, located

[8] NJDEP, 2008, New Jersey Wildlife Action Plan

about one half mile from the southeast corner of the City. Englewood does not contain grassland or emergent critical habitats.

5.4.3 Eastern Box Turtle

The Eastern Box Turtle (*Terrapene carolina carolina*) is distinctly identified from all other turtles in New Jersey by the combination of the high, domed, weakly keeled shell (carapace), and the hinged bottom (plastron) that can tightly close front and back. The carapace and plastron have yellow, orange, olive or tan markings on a brown or black background, however different animals may show relatively more dark or light coloration. The Eastern Box Turtle has a hooked upper jaw and four toes on each hind foot. The male has a central concave area in the rear lobe of the plastron, while the female has a flatter or more convex plastron. Most males have red eyes and females have yellow-brown eyes. Young have flatter, less ornate shells. Its preferential environments are woods and meadows. In hot, dry weather eastern box turtles may be found in muddy areas or shallow pools, or hiding under rotten logs or other decaying vegetation[9].

5.4.4 Wood Turtle

The wood turtle (*Glyptemys insculpta)* lives in forest and fields and lays its eggs in clear rocky streams. Its status in New Jersey is threatened. Wood turtles mainly feed on water insects and tadpoles, and are one of the more intelligent turtles. It can navigate its way through a maze just as well as a lab mouse. This turtle may have been named because it likes wooded areas or because of its shell which looks like a piece of wood. It is not a great swimmer but it prefers to stay near the edge of fast moving water. Summer homes are usually wetlands and they spend much of their time living in streams with good water quality. The wood turtle is very gentle and it won't even bite if a human picks it up. The decline of the wood turtle is due primarily to collection by people as pets (not legal), harvesting by pet stores, road kills, raccoons and loss of their home habitat. It takes a long time for a wood turtle to mature - about 20 years. When the female lays eggs, most will be eaten by predators and surviving young will also be eaten during their first year when they are most vulnerable[10].

5.4.5 Wildlife Threats

Threats to the Piedmont Landscape include invasive, non-indigenous species that often cause substantial ecological and economic problems. These invasive species frequently have competitive advantages over indigenous species because of the absence of predators, diseases, and competitors that typically evolve within host ecosystems or because of more efficient mechanisms of reproduction, dispersal or use of resources. They occur in every broad habitat type that occurs in the state. Invasive, non-indigenous plants threaten species diversity, composition and structure of our fields, forests, wetlands and aquatic habitats. Invasive, non-indigenous invertebrates such as zebra mussels and Asiatic (or Asian) clams have the potential to adversely impact aquatic habitats and species. Plants like Eurasian water-milfoil and

[9] New Jersey Division of Fish and Wildlife, 2003, Eastern Box Turtle
[10] ThinkQuest, 1999, Endangered New Jersey

vertebrates such as the northern snakehead threaten our aquatic resources and habitats. Emerald ash borer and Asian longhorn beetles have the potential to cause severe damage to our forests and wildlife habitat. Diseases such as West Nile virus have already had an impact on certain avian species.

Since 1972, the landscape has undergone extensive development, which has been accompanied by extensive habitat loss and fragmentation. Habitat loss and fragmentation led by impacts from threats include habitat degradation from human disturbance and heavy recreational uses, clearing of vegetation along rivers and streams ("stream encroachment"), roads and development which include, but are not limited to habitat degradation from invasive plants, runoff of contaminants from roads and residential areas, increase in impervious surfaces, road network expansion and development that act as barriers to wildlife movement, increased predation of wildlife by free-roaming housecats and edge-associated predators, loss of native plants and invertebrates, traffic noise that degrades habitat adjacent to roads, and greater road mortality (especially with respect to reptiles and amphibians).

In addition, protected natural lands that remain (state, county, non-government organization, private) act as a "magnet resource" attracting residential development that surround and isolate habitat patches. Isolated habitats such as the fragmented forest habitat in Englewood can become cut off from other habitats, eliminating safe corridors for wildlife to travel between areas. Major impacts of habitat isolation include an overall reduction of wildlife diversity and an increased probability of local extinction of less mobile wildlife populations. Moreover, in suburban forests and on private lands where hunting is not allowed, burgeoning deer populations find refuge.

6.0 AIR RESOURCES

6.1 Climate

Bergen County lies at the edge of the humid subtropical climate zone, according to the Koppen Climate Classification, because its coldest month (January) averages above 26.6°F/-3°C. In part due to its coastal location and low elevation, it is milder than cities further inland such as Chicago. According to New Jersey Weather (Google from NOAA), the climate of nearby Hackensack, New Jersey is warm during summer when temperatures tend to be in the 70's °F and very cold during winter when temperatures tend to be in the 30's °F. The warmest month of the year is July with an average maximum temperature of 84.20 °F, while the coldest month of the year is January with an average minimum temperature of 26.20 °F. Temperature variations between night and day tend to be fairly limited during summer with a difference that can reach 15 °F, and fairly limited during winter with an average difference of 12 °F.

The movement of air masses from other areas controls the New Jersey climate. Residents can experience the effects of polar and tropical air movements, which bring major storms into the area. The annual average precipitation at Hackensack is 45.11 Inches. Rainfall is fairly evenly distributed throughout the year. The wettest month of the year is September with an average rainfall of 4.50 inches. The prevailing wind is from the southwest. Average wind speed is highest (12 mph) in spring. According to information from Englewood: A Quality of Life Study (Appendix A, page 97), "The terrain of the city has some effect on the weather in the vicinity. Winds from the west must rise as much as four hundred feet upon reaching the Palisades ridge. Ambient temperatures decrease approximately 3.5 °F per thousand feet of elevation increase; thus, all things being equal, the temperature in the northeast section of the city should be 1.4°F cooler than in the southwest corner of the city".

6.2 Air Quality

Background air quality levels in the City are influenced primarily by vehicular emissions (mobile emission sources), residential heating units, and commercial exhausts (dry cleaners, manufacturing facilities, air conditioners, etc.) and from other permitted uses in the commercial and industrial sections of the City. The air quality in Englewood is primarily influenced by vehicular traffic on major roadways. Depending on local atmospheric conditions, an area extending 1,500 feet on either side of a roadway is noted by USEPA to be the area of potential air quality impact from mobile source emissions. For instance, a temperature inversion will act to dissipate vehicular emissions into the atmosphere within +/- 500 feet of the roadway for automobiles, and 1,500 feet for diesel vehicles.

Periodic construction activities within the City generate dust and agitate insects and plants that may periodically degrade air quality. Occasional news reports regarding air quality in Bergen County indicate that the air is periodically degraded from industrial areas located in the vicinity.

Englewood is located in the Hudson Valley Air Quality Control Region (AQCR) as designated by the USEPA. The nearest USEPA air monitoring station for this region is located in Teaneck, New Jersey (Bergen County). The USEPA monitors 8-hour exceedances of ground-level ozone. For the year 2005

(the most recent data readily available), the station at Teaneck recorded 8 exceedances with the maximum occurring on July 26, 2005 at a concentration of 0.094 parts per million (ppm). The USEPA air quality standard for ozone is 0.08 ppm. Information on air toxics in New Jersey is provided in Appendix F.

7.0 NATURAL RESOURCE USE

7.1 Open Space

Englewood includes several public parks that provide open space, including MacKay Park and Flat Rock Brook Nature Center which also includes wildlife habitat. Open space has been recognized both as a natural resource in and of itself, as a way to protect natural resources and water supplies, and as a way to prevent losses from flooding and erosion associated with steep slopes. The Master Plan recommends the connection of open spaces, and the impact of Englewood's inventory of open space would be accentuated if landscaped paths physically connected the City parks. A Greenway, or network of landscaped paths (Photograph 9), could provide several important benefits. A Greenway would enhance the City's recreational resources by providing a long, varied, and scenic path that could be used for walking, jogging, skating, and biking. And, a Greenway would also highlight the location of the City's parks.

There is no designated Federal or State open space in Englewood. A total of 227 acres, or 7% of Englewood, is permanently preserved land owned by the City. The tracts of designated municipal open space (Map 21) are predominantly located along stream corridors, the largest being the Flat Rock Brook Nature Center.

The NJDEP does identify potential "Greenway Hubs" in Englewood (Map 21). According to the New Jersey Conservation Foundation[11], "Green infrastructure" is defined as an interconnected system of undeveloped or minimally developed natural, agricultural, recreational and/or historic lands – both publicly and privately owned – spanning rural, urban and suburban areas alike". Similar to a transportation or utility network, green infrastructure is comprised of hubs linked together by connectors. The term "Greenways" refers here not only to linear connectors within green infrastructure, but also to the non-linear hubs they link.

Although not officially protected, Greenway hubs are undeveloped or minimally developed tracts of land containing significant ecological, environmental, recreational, agricultural, scenic, and/or historic resources. Greenway hubs include permanently preserved as well as unpreserved land and can range in size from sub-acre parcels in urban areas to large, unbroken tracts of land in rural areas. Greenway hubs can include natural land, recreation areas and parks, farmland, culturally significant or scenic landscapes and historic sites.

7.2 Limitations to Land Development

The landscape of Englewood includes many features that create limitations to land development, including floodplains, wetlands, critical slopes, and wildlife habitat. These environmental constraints have been combined (Map 22) to depict areas to be avoided for land development projects. In addition, the City also includes cultural features such as historic buildings and open space to be considered as part of land development application review.

[11] Adam Charles Mednick, 2004, New Jersey Green Infrastructure Assessment

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 Conclusions

The Englewood Planning Board (Board) has identified a number of environmentally-related planning objectives, including the preservation of the character of residential neighborhoods, development of Greenways, protection of historic neighborhoods, development of initiatives to support sustainability, and the inclusion of the City's inventory of parkland within the Open Space Zone. This NRI was prepared in light of these objectives and as a reference guide and planning tool to be used when considering growth options for Englewood.

The City contains a vast array of cultural resources including 10 state designated properties. A comprehensive survey of Englewood's potential historic properties was conducted in 1981-82 as part of the Bergen County Historic Sites Survey. Based on this survey, the Historic Preservation Advisory Committee (HPAC) identified approximately 800 properties as historically or architecturally important. As part of the current project, the HPAC provided Dewberry with additional information regarding potential historic properties. According to the Historical Society database, there are 1,178 potential historic properties in Englewood City.

One of Englewood's unique natural resources is its scenic vistas. Although a scenic vista is typical of a rural area containing natural visual elements that can be seen from a distance, Englewood's vantage points overlooking a forest of shade trees provide a resource of value.

Englewood contains isolated pockets of both prime agricultural soils and soils of statewide importance. These soils are located near Overpeck Creek and Meltzer Brook in the northern portion of the City, and to the south along Flat Rock Brook.

All streams in Englewood are classified as Fresh Water Category 2 Non Trout/Saline waters of estuaries, or FW-NT/SE2. There are 110 mapped storm water outfalls contributing runoff and non-point pollutants to Englewood's streams. Groundwater is an important and essentially unused natural resource in Englewood. The groundwater resources include bedrock aquifers with associated well yields ranging from less than 25 gpm to 250 gpm. The surficial aquifers are restricted to the central portion of the City where sediments are greater than 50 feet in thickness. The coarse-grained sediment glacial outwash fans located in the northern portion of the City are the most productive, with yields ranging from 251-500 gpm. However, groundwater quality is threatened in places and there are 54 NJDEP Known Contaminated Sites in Englewood.

Both 100- and 500- year designated floodplains were identified in Englewood, the majority of them being restricted to the Overpeck Creek stream corridor. Overpeck Creek is channelized through Mackay Park and south along Overpeck Road into the Borough of Leonia. This area is the site of flooding during heavy rains, and the City has expressed interest in dredging the channel in an attempt to mitigate flooding.

The City is composed of approximately 254 acres of forest, or about 8% of the land area. The forest is concentrated in the southeastern section of the City along the Flat Rock Brook Park and stream corridor,

and mostly within isolated patches southeast of Grand Avenue/Engle Street. Only 4.6 acres of barren land are located in Englewood (about 0.001%). Surface water bodies (streams, lakes and canals) occupy about 21 acres, or less than 1% of the land area. Although wetlands occupy only about 1% of the land surface, their presence in some areas may be masked by forest cover and escape interpretation. There are no mapped agricultural land uses in the City.

Englewood contains both forest, and a very limited extent of forested wetlands critical habitats. Shade trees and remnant forest fragments are important natural resources in the City. Englewood provides habitat for one threatened species and one species of concern (wood turtle and eastern box turtle, respectively). Documented wood turtle habitat is located within the upland area southeast of Flat Rock Brook. Where significant in extent, the forest and forested wetland habitats provide a home to resident and migrating birds and play a role in the migration route linking North America to wintering areas in South America. Englewood does not contain grassland or emergent critical habitats, according to NJDEP mapping data.

There is no designated Federal or State open space in Englewood. A total of 227 acres, or 7% of the land area, is permanently preserved land owned by the City. The tracts of designated municipal open space are predominantly located along stream corridors, the largest being the Flat Rock Brook Nature Center. Although not officially protected, the NJDEP does identify potential "Greenway Hubs" in Englewood.

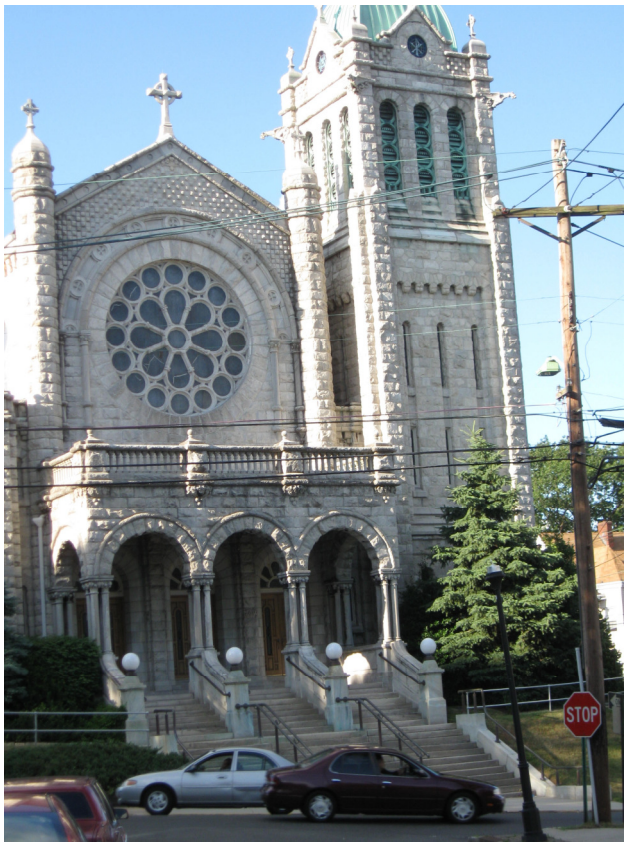
8.2 Recommendations

- Follow recommendations from the Planning Board and City Planner as presented in the Englewood Land Use Element;
- Continue to protect and inventory Englewood's cultural resources;
- Continue to protect scenic vistas in accordance with the steep slope ordinance;
- Protect surface waters from non-point source pollutants by incorporating NJDEP best management practices (BMPs) when possible;
- Promote awareness of Englewood's important groundwater resources, including diligence regarding remediation of the 54 known contaminated sites;
- Explore opportunities for flood mitigation of the Overpeck Creek stream corridor;
- Characterize the quality of Overpeck Creek sediments for disposal prior to dredging;
- Enhance existing critical wildlife habitats where possible;
- Be proactive in controlling the migration of invasive species;
- Prepare a shade tree management plan incorporating the use of GIS;
- Continue to protect open space and create Greenways where possible; and,
- Conduct periodic updates of the Environmental/Natural Resource Inventory.

PHOTOGRAPHS

Environmental /Natural Resource Inventory Update

Englewood, New Jersey



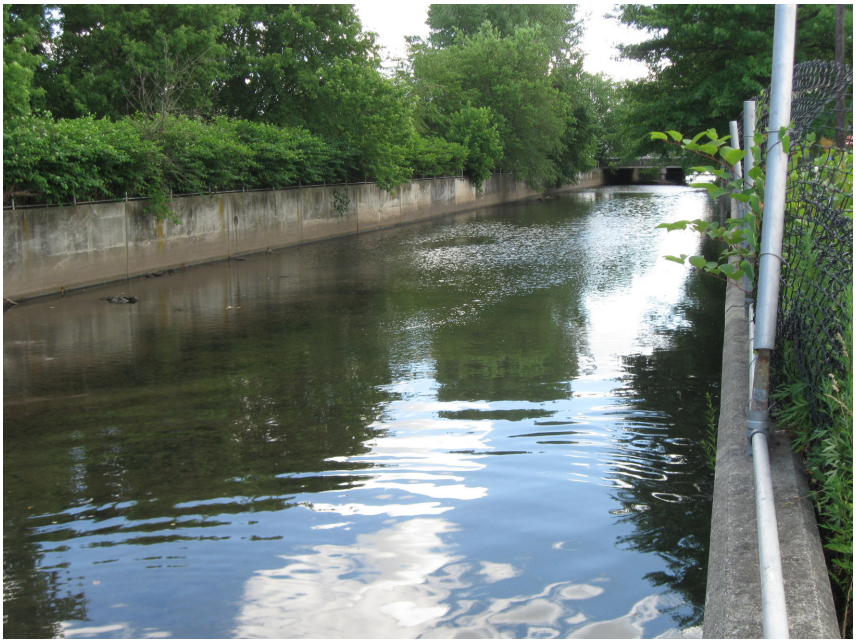
Photograph 1: Englewood Stone Church

Photograph 2: View of down town Englewood from Vista looking west.

Photograph 3: Diabase outcrop in former quarry at Flat Rock Brook Nature Center

Photograph 4: Flat Rock Brook

Photograph 5: Overpeck Creek channel at MacKay Park



Photograph 6: Overpeck Creek Channel at Overpeck Road near Route 4.

Photograph 7: Debris filling Overpeck Creek channel at Overpeck Road.

Photograph 8: Shade trees along West Hudson Avenue

Photograph 9: McFadden Pond Trail

TABLES

Table 1
Inventory of Designated Historic Properties
Englewood City, Bergen County, New Jersey

Property Name	Address	Designation
Armory Street Historic District	Boundaries include the east and west sides of Armory Street bounded by Palisade Avenue to the northeast and Englewood Avenue to the southwest. Properties include 21-37 Armory Street and 98 Englewood Avenue.	SHPO Opinion: 4/17/1997
John G. Benson House	60 Grand Avenue	NR: 1/9/1983, SR: 10/3/1980 (#33-Thematic Nomination of Early Stone Houses of Bergen County)
Bergen Building	18-22 Engle Street	SHPO Opinion: 3/4/1985
Thomas Demarest House	370 Grand Avenue	NR: 1/9/1983, SR: 10/3/1980 (#30-Thematic Nomination of Early Stone Houses of Bergen County; Demolished May 1995)
Demott House	488 Grand Avenue	SR: 10/3/1980 DOE:1/9/1983 (#29-Thematic Nomination of Early Stone Houses of Bergen County)
Demott-Westervelt House	285 Grand Avenue	NR: 1/9/1983 SR: 10/3/1980 (#32- Thematic Nomination of Early Stone Houses of Bergen County)
Grove Street Historic District	Boundaries include both sides of Grove Street bounded by Tenafly Road and James Street. Properties include 71-72, 74, 82-83, 86-87, 90, 93, 96 Grove Street and 57 James Street.	SHPO Opinion: 2/23/1998
Liberty School	12 Tenafly Road	SHPO Opinion: 8/13/2001
Garret Lydecker House	228 Grand Avenue	NR: 1/9/1983, SR: 10/3/1980 (#31- Thematic Nomination of Early Stone Houses of Bergen County)
Van Horn-Newcomb House	303 Tenafly Road	NR: 7/24/1984 SR: 10/3/1980 (#34- Thematic Nomination of Early Stone Houses of Bergen County)

Key:
NR: Listed in the National Register of Historic Places
SR: Listed in the New Jersey Register of Historic Places
SHPO Opinion: Opinion of Eligibility from the State Historic Preservation Officer
DOE: Determination of Eligibility from the Keeper of the National Register

EHPAC

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

February 2001

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
420.0	Booth Av	DI01-021	1981-2	1808	3	M	C1920's	"The Community School"	School
130.0	Winthrop Pl	DI01-420	1981-2	1105	11	F	1891-1912	???	House
12.0	Engle St	SS07-003	1981-2	1208	8.01			=12.5-14	House
12.0	Van Brunt St N	SS16-001	1981-2	610	6			=12-20	House
124.0	Lydecker St	DI01-276	1981-2	1205	4	F	C1938	=126 in 81-2 Survey	House
14.0	Tenafly Rd	IN00-056	1981-2, 02-3	613	13	P/E	1901	=127 W Palisade Ave.; Liberty School	School
136.0	Palisade Av W	IN00-125A	1995-6	2301	2	P	1883	=136-138;Church	Worship
127.0	Palisade Av W	IN00-056	1981-2	613	13	P/E	1901	=14 Tenafly Rd; Liberty School	School
17-19	Hudson Av W	SS11-002	1981-2, 02-3	705	8	K	1920s	=15 in 81-2 Survey	House
169.0	John St	DI03-008	1981-2	509	39	F	1876-1912	=155 Central Av+	House
155.0	Morse Pl	IN00-117	1981-2	601	30	M	1960-1870	=155-57	House
160.0	Linden Av	DI01-249	1981-2	2804	4	M	C1900	=160-170	House
155.0	Central Av	DI03-008	1981-2	509	39	F	1876-1912	=169 John St.	House
172.0	Lyman Pl	DI01-305	1981-2	2704	4	C	P1938	=170-72	House
21.0	Hudson Av W	SS11-003	1981-2	705	9		1920s	=17-19 in 81-2 Survey	House
208.0	King St	DI01-197	1981-2	1103	6	M	C1889	=18 King in 81-2 Survey	House
18-22	Engle St	SS07-005	1981-2	1208	6.03-.26			=18-22 plus 46 Bergen	House
190.0	Lyman Pl	DI01-370A	1981-2	2704	12.02	U		=187 Sherwood subdivided	House
19.0	James St	SS67-001	1981-2, 02-3	610	23	M	1876-1912	=19-21	House
2.0	Van Brunt St N	IN00-062	1981-2	610	7.01	P/E	1922	=2-10	House
25.0	James St	SS67-002	1981-2, 02-3	610	24	M	1876-1912	=23-25	House
	Charles St	IN00-078	1981-2	609	16	F	C1895	=25 Tenafly	House
258.0	Linden Av	DI01-259	1981-2	3301	4	F	C1890s	=256-258	House
256.0	Grand Av	IN00-088	1981-2	2802	10.01	M	1912-1936	=256-266	House
267.0	Linden Av	DI01-260	1981-2	3203	9	M	C1872	=265-267	House
28.0	Cleveland St	SS64-001	1981-2	314	10	F	C1920	=28-30	House
310.0	Murray Av	SS20-006	1995-6, 02-3	112	9.01		1928-1935	=310-12	House
315.2	Palisade Av E	DI01-355C	1981-2	1901	8	I	C1965	=315-363;D-E Ed; see 81 Lincoln	House
315.1	Palisade Av E	DI01-355B	1981-2	1901	8	M	1930	=315-363;D-E Leggett Hall	Other
219.0	King St	DI01-198	1981-2	1104	19	F	1867-1876	=35 King in 81-2 Survey	House
358.0	Mountain Rd	DI01-340	1981-2	3202	3	F	1912-1936	=354-358	House
354.0	Mountain Rd	DI01-340	1981-2	3202	3	U		=354-358; New bldg.	House
237.0	King St	DI01-199	1981-2	1104	20	M	1867-1876	=37 King in 81-2 Survey	House
38.0	Bergen St	SS06-004	1981-2	1208	4.01		PRE1900	=38-40	House
403.0	Liberty Rd	IN00-114	1981-2	204	1	M	C1910	=403-5	House
27.0	Woodland N	DI01-429	1981-2	1902	4	P	C1910	=41 in 81-2 Survey	House
405.0	Palisade Av E	DI01-359	1981-2	1902	7	I		=415 in 81-2 Survey	House
42.0	Bergen St	SS06-005	1981-2	1208	5.01		PRE1900	=42-44	House
427.0	Stockton Pl	SS68-001	1981-2	709	5.02	F	1921-1936	=427-33	House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
480.0	Next Day Hill Dr	IN00-052A	1981-2	1302	9.01	P/E	1928-1931	=435 Lydecker (others)[1]	School
438.0	Orchard St	IN00-121	1981-2	709	13	M	C1905	=438-440	House
81.0	Woodland S	DI01-446	1981-2	3501	9.01	M	P1890's	=53;Part of Moriah School	School
62.0	Palisade Av W	IN00-054	81-2-95-6	2304	6	P/E	1922	=58 in 81-2 Survey	House
58.0	Beech Rd	DI01-005	81-2-95-6	3102	6	F	C1890	=66 in 81-2 Survey	House
74.0	Spring La	DI01-380	1981-2	1209	3	F	1912-1930	=72-74	House
76.0	Charles St	SS63-001	1981-2	614	6	F	C1900	=76-78	House
85.0	Hamilton Av E	DI01-149	1981-2	1102	17	F	C1900	=77 in 81-2 Survey	House
80.0	Chestnut St	DI01-057	1981-2	1105	3	P	1867-1876	=78-80 in survey	House
82.0	Charles St	SS63-002	1981-2	614	5	F	C1900	=80-82	House
81.0	Franklin St	DI01-136	1981-2	2705	22	F	1891-1912	=81-83	House
83.0	Woodland N	DI01-435	1981-2	1902	2	P	1926	=83-91	House
9.0	Hudson Av W	SS11-001	1981-2, 02-3	705	7	C	1920s	=9-13 in 81-2 Survey	House
150.0	Palisade Av E	DI01-349	1981-2	2702	1	P	1870	1st Pres; 120 in 81-2 Survey	House
36.0	Woodland S	DI01-440	1981-2	3103	4	F	1876-1912	24 on same property	House
127.0	Liberty Rd	0215-D1A	2002-3	609	17			31 Tenafly Rd	House
64.0	Hillside Av	DI01-173	1981-2	1209	7.01	F	C1895	60 Hillside=7.02	House
62-72	Dwight Pl	DI01-107	1981-2	2703	2.01-.13	C	P1938	62AB,64ABCD,68ABCD,72ABC	House
100.0	Dean St S	IN00-080	1981-2	2407	3	M	C1925	Across from 105	House
8.0	Cottage Pl	SS19-002	81-2-95-6-02-3	2009	7		1867-1876	Also IN00-079	House
105.0	Park Av	SS13-0012	81-2-95-6	2308	30	M	1881-1899	Also IN00-127	House
105.0	Park Av	IN00-127	81-2-95-6-02-3	2308	30	M	1881-1899	Also SS13-0012	House
8.0	Cottage Pl	IN00-079	81-2-95-6-02-3	2009	7	F	1867-1876	Also SS19-002	House
341.0	Mountain Rd	DI01-338A	1995-6	3102	13	P		Arch. Eleanore Pettersen	House
42.0	Lincoln St	DI01-210	1981-2	1602	10	P	C1868	Barber Mansion	House
24.0	Van Brunt St N	SS16-002	1981-2	610	5			Between 12-20 and 30	House
290.0	Linden Av	DI01-263	1981-2	3301	6	I	P1945	Between 276-300	House
17.0	Dean St N	SS06-001	1981-2	1207	16		C1920-1930	Birtwhistle & Livingston	House
425.0	Engle St	IN00-029	1981-2	1003	16	P/E	1860	Brookside Chapel	Worship
285.0	Grand Av	IN00-035	81-2-95-6	2805	12.02	P/E	1808-1810	C1810 barn removed	Other
71.0	Palisade Av E	IN00-055	1981-2	1209	15.02	P/E	1912	Carnegie Library	Other
425.1	Engle St	DI02-001	1981-2	1003	16	P/E	19th C.	Cemetery	Other
331.0	Tenafly Rd	IN00-060	1981-2	801	26	P/E	1909-1910	Cleveland S;NE Durie	House
304.0	Murray Av	SS20-005	1995-6, 02-3	112	11			Colonial	House
322.0	Murray Av	SS20-010	1995-6, 02-3	112	6			Colonial	House
329.0	Murray Av	SS20-027	1995-6, 02-3	110	24			Colonial	House
81.0	Lincoln St	DI01-214	1981-2	1901	8	P	1867-1876	D-E Admin; Homans/Graham house	House
34.0	Woodland N	DI01-428	1981-2	1901	8	M	C1897	D-E Alumni House	House
81.0	Lincoln St	DI01-211	1981-2	1901	8	C	C1977	D-E Athletics; see 315-63 E Palisade Av	House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
81.0	Lincoln St	DI01-206	1981-2	1901	8	F	C1905	D-E Swartley Arts Center	House
37.0	Armory St	SS05-017	81-2-95-6	2304	27	D	1900-1920	Demolished	Demolished
17.0	Ivy La E	0215-D2a	2002-3	702	4	C	c1900	Demolished	Demolished
48.0	Tallman Pl	SS14-001	81-2-95-6	1201	1.01	D	1895-1905	Demolished;Palisades Court	Demolished
52.0	Tallman Pl	SS14-002	81-2-95-6	1201	1.01	D	1895-1905	Demolished;Palisades Court	Demolished
56.0	Tallman Pl	SS14-003	81-2-95-6	1201	1.01	D	1895-1905	Demolished;Palisades Court	Demolished
60.0	Tallman Pl	SS14-004	81-2-95-6	1201	1.01	D	1895-1905	Demolished;Palisades Court	Demolished
477.0	Woodland N	0215-D1A	2002-3	1702	3			Dizzy Gillespie house	House
250.0	Knickerbocker Rd	IN00-049	1981-2	204	40	P/E	1931-1932	Dwight Morrow H S	School
435.0	Lydecker St	IN00-052A	1981-2	1302	9.01	P/E	1928-31	Dwight Morrow mansion; 480 Next Day Hill	
60.0	Cedar La	IN00-075	1981-2	2604	4	M	PRE1912	Dyeworks Factory	Other
17.0	Bennett Rd	IN00-069	1981-2	2303	30	M	C1912-1913	Elks Club	House
350.0	Engle St	IN00-028	1981-2	802	1	P/E	C1924	Eng. Hosp.	Other
320.0	Johnson Av	DI01-191	81-2-95-6	1504	16	D	1891-1912	F Demolished	Demolished
155.0	Lincoln St	DI01-219	81-2-95-6	1808	29	D	1912-1936	F Demolished	Demolished
179.0	Lincoln St	DI01-222	81-2-95-6	1808	24	D	C1915	F Demolished	Demolished
115.0	Palisade Av E	DI01-348	81-2-95-6	1210	13	D	1861-1867	F Demolished 1998; Englewood Club	Demolished
120.0	Woodland S	DI01-452	1981-2	3202	8	F	1912-1936	F Demolished Arts and Crafts house	Demolished
59.0	Engle St	IN00-083	81-2-95-6	1209	1.01	D	C1905	F Demolished Women's Exchange; now Lexus	Demolished
351.0	Mountain Rd	DI01-338	81-2-95-6	3102	13	D	1891-1912	F Demolished;prob. for 341	Demolished
191.0	Brayton Av	DI01-040	81-2-95-6	1504	13	T	1903	F Transformed	House
215.0	King St	DI01-202A	1981-2	1104	18	U		far from street; narrow outlet; inadvertently skipped in 81-2 survey	
19.0	Ivy La E	0215-D2a	2002-3	702	5	K	c1903	Firehouse	Firehouse
443.0	Van Nostrand Av	IN00-134A	1981-2	3705	1	M	1980	Flat Rock Brook Nature Center	Other
216.0	Dwight Pl	DI01-126	81-2-95-6	2803	9	M	C1910	Formerly 210	House
340.1	Thornton Rd	IN00-134	1981-2	1402	5	M	C1936	Formerly Real Estate Ofc for development to north	
519.0	Next Day Hill Dr	0215-118a	2002-3	1301	14		c1960	George Benson	House
136.0	Engle St	SS08-003A	1981-2	913	11		1920's	Lexus	House
31.0	Engle St	IN00-082	1981-2	1209	17.01	M	1967-68	Library	Other
51.0	Englewood Av	IN00-031	1981-2	2305	12	P/E	1917-1918	Lincoln School	School
235.0	Lincoln St	DI01-229	81-2-95-6	1808	28	D	1912-1936	M Demolished	Demolished
215.0	Lincoln St	DI01-226	1981-2	1808	27	D	C1912	M Demolished 1998	Demolished
190.0	Knickerbocker Rd	IN00-109	1981-2	306	26	D	1912-1936	M Demolished Am.Legion bldg	Demolished
363.0	Lydecker St	DI01-297	81-2-95-6	1401	15	D	C1910	M Demolished Embury	Demolished
377.0	Lydecker St	DI01-299	81-2-95-6	1401	16	D	C1910	M Demolished Embury	Demolished
315.0	Palisade Av E	DI01-355A	81-2-95-6	1901	8	D	C1897	M Demolished;D-E;=315-63	Demolished
22.0	Dana Pl	DI01-088	1981-2	2702	3	D	C1925	M Demolished;now Sutton Place	Demolished
109.0	Englewood Av	IN00-085	1981-2	2303	19	D	1912	M Demolished;Orig Ahavath Torah synagogue	Demolished
136A	Palisade Av W	IN00-053	1981-2	2301	2	P/E	1766;1964	Monument; Liberty Pole replica	Other

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
28.0	Tenafly Rd	0215-D3A	2002-3	607	13			mosque	Worship
25.0	Tenafly Rd	IN00-078	1981-2, 02-3	609	16	F	C1895	NE Charles	House
175.0	Englewood Av	SS19-015	1995-6	2306	1		1861-67	NE Cottage; old home incorporated w. 151 Englewood Ave.[2]	House
95.0	Beech Rd	DI01-009	1981-2	3103	2.04	I	C1980	New bldg left front	House
491.0	Grand Av	IN00-089	1981-2	3006	39	M	C1902-1903	Nordhoff Firehouse; =481 in 81-2 Survey	Firehouse
10.0	Engle St	SS07-002	1981-2	1208	9			Now part of 53 E. Palisade	House
34.0	Engle St	IN00-081A	1981-2	1207	9.01	F	C1930	NW at Bergen (Bell Tel.)	House
53.0	Palisade Av E	SS07-001	1981-2	1208	9			NW Engle; includes 10 Engle	House
244.0	Waldo Pl	IN00-138	1981-2, 02-3	807	14	M	1924	NW Hamilton	House
95.1	Beech Rd	DI01-010	1981-2	3103	2.04	F	P1912-36	Older bldg rear right	House
345.0	Liberty Rd	IN00-113	1981-2	304	39	M	1861-1867	Opp. Reis	House
52.0	Brayton Av	DI01-028	81-2-95-6	1601	19	D	C1860	P Demolished	Demolished
87.0	Spring La	DI01-385	1981-2	1204	10	D	C1867	P Demolished after fire	Demolished
255.0	Lincoln St	DI01-231	1981-2	1808	29	P	1912-1936	P Demolished;Embury Tudor masterpiece	Demolished
410.0	Linden Av	DI01-266	81-2-95-6	3601	4	T	1912-1936	P Transformed;=406 in 81-2	House
95.0	Brook Av	IN00-016A	81-2-95-6	806	2	D	C1870	P/E Demolished	Demolished
155.0	Hudson Av W	IN00-047	81-2-95-6-02-3	407	4	D	C1880	P/E Demolished Barn;Actors' Fund	Demolished
370-4	Grand Av	IN00-036	81-2-95-6	2910	3	D	1803	P/E Demolished;Demarest/Vierling House and Market	Demolished
76.0	Hillside Av	DI01-385	1981-2	1204	10.05	T	C1996	P;=87 Spring in 81-2 Survey	House
82.0	Hillside Av	DI01-385	1981-2	1204	10.04	T	C1996	P;=87 Spring in 81-2 Survey	House
94.0	Hillside Av	DI01-385	1981-2	1204	10.03	T	C1996	P;=87 Spring in 81-2 Survey	House
89.0	Spring La	DI01-385	81-2-95-6	1204	10.06	T	C1996	P;=87 Spring Lane in 81-2 Survey	House
53.0	Woodland S	DI01-443	1981-2	3501	9.01	F	C1900	Part of Moriah School	School
207.0	Booth Av	DI01-015	1981-2	1405	1	P	C1909	Platt House	House
55.1	Demarest Av W	IN00-081	1981-2	906	21.02	M	1924	Rectory St. Cecilia's	Worship
160.0	Palisade Av E	DI01-350	1981-2	2702	1	M	1876-1912	Rectory; 150 in 81-2 Survey	Worship
41-47	Beech Rd	DI01-003	1981-2	3103	1	P	C1910	Restored, renovated	House
???	Van Brunt St N	IN00-063	1981-2	1201	1	P/E	1912-1936	RR Depot; now Bennett Studio	Other
166.0	Morse Pl	IN00-118	1981-2	602	1	M	1861-1867	S, 2nd house from Otsego	House
46.0	Bergen St	SS07-005	1981-2	1208	6.03-.26			Same as 18-22 Engle	House
65.0	Demarest Av W	IN00-019	1981-2	906	21.02	P/E	1924	School St. Cecilia's	School
245.0	Lydecker St	DI01-286	1981-2	1404	9	M-P	C1910	SE Booth	House
101.0	Tenafly Rd	IN00-058	1981-2	604	1	P/E	1875	SE Demarest	House
24.0	Woodland S	DI01-439	1981-2	3103	4	F	1876-1912	Set far back from street	House
37.0	Bennett Rd	0215-68b	2002-3	2303	26		c1905	Shiloh Craftsman's Club	House
279.0	Murray Av	SS20-016	1995-6	110	12			split	House
283.0	Murray Av	SS20-017	1995-6	110	13			split	House
55.0	Demarest Av W	IN00-018	1981-2	906	21.02	P/E	1910	St. Cecilia's	Worship
	Booth Av	0215-D1A	2002-3					Stone Bridge	Other

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Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
210.0	Chestnut St	DI01-074A		1502	1.02	M		Subdivided	House
105.0	Jones Rd	DI01-194A	1981-2	3202	1.02	U		Subdivided	House
60.0	Hillside Av	DI01-173A	1981-2	1209	7.02	F		Subdivided lot	House
231.0	Lydecker St	DI01-283A	1981-2	1501	27.02	M	1891-1912	Subdivided lot	House
187.0	Sherwood Pl	DI01-370	1981-2	2704	12.01	F	1891-1912	Subdivided; 190 Lyman	House
267.0	Chestnut St	DI01-084	81-2-95-6	1501	15.01	T	P1945	Subtracted by 95-6 Survey; (others)[3]	House
292.0	Liberty Rd	IN00-112	1981-2	309	13	F	C1891	SW at Cross	House
25.0	Hudson Av W	SS11-004	81-2-95-6	705	10	T	1920s	Trnsfrm;2 bldgs to W in 81-2 Survey	House
260	Arch Rd	0215-68a	2002-3	3302	5		c1920		House
21.0	Armory St	SS05-001	1981-2	2304	35		1900-1920		House
22.0	Armory St	SS05-002	1981-2	2303	7		1900-1920		House
23.0	Armory St	SS05-003	1981-2	2304	34		1900-1920		House
24.0	Armory St	SS05-004	1981-2	2303	8		1900-1920		House
25.0	Armory St	SS05-005	1981-2	2304	33		1900-1920		House
26.0	Armory St	SS05-006	1981-2	2303	9		1900-1920		House
27.0	Armory St	SS05-007	1981-2	2304	32		1900-1920		House
28.0	Armory St	SS05-008	1981-2	2303	10		1900-1920		House
29.0	Armory St	SS05-009	1981-2	2304	31		1900-1920		House
30.0	Armory St	SS05-010	1981-2	2303	11		1900-1920		House
31.0	Armory St	SS05-011	1981-2	2304	30		1900-1920		House
32.0	Armory St	SS05-012	1981-2	2303	12		1900-1920		House
33.0	Armory St	SS05-013	1981-2	2304	29		1900-1920		House
34.0	Armory St	SS05-014	1981-2	2303	13		1900-1920		House
35.0	Armory St	SS05-015	1981-2	2304	28		1900-1920		House
36.0	Armory St	SS05-016	1981-2	2303	14.01		1900-1920		House
298.0	Audubon Rd	0215-D3b	2002-3	2806	8				House
337.0	Audubon Rd	0215-D3b	2002-3	2907	14				House
342.0	Audubon Rd	0215-D3b	2002-3	2906	14				House
343.0	Audubon Rd	0215-D3b	2002-3	2907	13				House
344.0	Audubon Rd	0215-D3b	2002-3	2906	13				House
346.0	Audubon Rd	0215-D3b	2002-3	2906	15				House
351.0	Audubon Rd	0215-D3b	2002-3	2907	12				House
360.0	Audubon Rd	0215-D3b	2002-3	2906	16				House
16.0	Beech Rd	DI01-001	1981-2	3102	3	M	C1905		House
40.0	Beech Rd	DI01-002	1981-2	3102	5	F	1891-1912		House
56.0	Beech Rd	DI01-004	1981-2	3102	14	P	C1908		House
76.0	Beech Rd	DI01-006	1981-2	3102	7	M	C1930		House
86.0	Beech Rd	DI01-007	1981-2	3102	8	C	P1936		House
94.0	Beech Rd	DI01-008	1981-2	3102	9	F	C1930		House

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Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
107.0	Beech Rd	DI01-011	1981-2	3103	10	F	C1920		House
114.0	Beech Rd	DI01-012	1981-2	3102	10	F	C1920		House
121.0	Beech Rd	DI01-013	1981-2	3103	9	U	1891-1912		House
130.0	Beech Rd	DI01-014	1981-2	3102	11	C	P1945		House
119.0	Belmont St	0215-5A	2002-3	202	29				House
122.0	Belmont St	0215-5A	2002-3	201	16				House
127.0	Belmont St	0215-5A	2002-3	202	30				House
130.0	Belmont St	0215-5A	2002-3	201	15				House
134.0	Belmont St	0215-5A	2002-3	201	14				House
135.0	Belmont St	0215-5A	2002-3	202	31				House
140.0	Belmont St	0215-5A	2002-3	201	13				House
143.0	Belmont St	0215-5A	2002-3	202	1				House
146.0	Belmont St	0215-5A	2002-3	201	12				House
150.0	Belmont St	0215-5A	2002-3	201	11				House
154.0	Belmont St	0215-5A	2002-3	201	10				House
160.0	Belmont St	0215-5A	2002-3	201	9				House
161.0	Belmont St	0215-5A	2002-3	202	2				House
166.0	Belmont St	0215-5A	2002-3	201	8				House
167.0	Belmont St	0215-5A	2002-3	202	3				House
172.0	Belmont St	0215-5A	2002-3	201	9				House
178.0	Belmont St	0215-5A	2002-3	201	6				House
181.0	Belmont St	0215-5A	2002-3	202	8				House
184.0	Belmont St	0215-5A	2002-3	201	5				House
190.0	Belmont St	0215-5A	2002-3	201	4				House
25.0	Bergen St	SS06-002	1981-2	1207	15		PRE1900		House
29.0	Bergen St	SS06-003	1981-2	1207	14		PRE1900		House
72.0	Booth Av	DI01A	2002-3	1102	1	C	c1915		House
75.0	Booth Av	DI01A	2002-3	1101	33	C	c1940		House
83.0	Booth Av	DI01A	2002-3	1101	32	C	c1915		House
89.0	Booth Av	DI01A	2002-3	1101	31	C	c1915		House
90.0	Booth Av	DI01A	2002-3	1102	2	C	c1915		House
92.0	Booth Av	DI01A	2002-3	1102	3	N/C	c1960		House
94.0	Booth Av	IN00-070	1981-2	1102	4	F	C1915		House
99.0	Booth Av	0215-D1A	2002-3	1101	30	C	c1915		House
107.0	Booth Av	0215-D1A	2002-3	1101	29	K	c1915		House
115.0	Booth Av	0215-D1A	2002-3	1101	28	C	c1920		House
125.0	Booth Av	0215-D1A	2002-3	1101	27	C	c1925		House
143.0	Booth Av	0215-D1A	2002-3	1101	26	N/C	c2000		House
148.0	Booth Av	0215-D1A	2002-3	1102	6	N/C	c1990		House

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
153.0	Booth Av	0215-D1A	2002-3	1101	25	K	c1920		House
157.0	Booth Av	0215-D1A	2002-3	1101	24	C	1923		House
162.0	Booth Av	0215-D1A	2002-3	1102	7	K	c1920		House
228.0	Booth Av	0215-D1A	2002-3	1501	2	N/C	c2000		House
234.0	Booth Av	0215-D1A	2002-3	1501	3	C	c1920		House
245.0	Booth Av	IN00-071	1981-2	1405	10	M	C1930		House
250.0	Booth Av	0215-D1A	2002-3	1501	4	K	c1915		House
261.0	Booth Av	IN00-072	1981-2	1405	9	M	C1917		House
268.0	Booth Av	0215-D1A	2002-3	1501	6	C	c1920		House
275.0	Booth Av	0215-D1A	2002-3	1406	26	K	c1920		House
285.0	Booth Av	0215-D1A	2002-3	1406	25	C	c1920		House
286.0	Booth Av	0215-D1A	2002-3	1501	8.01	C	c1920		House
298.0	Booth Av	0215-D1A	2002-3	1501	9	K	c1915		House
301.0	Booth Av	0215-D1A	2002-3	1406	24	C	c1920		House
308.0	Booth Av	0215-D1A	2002-3	1501	10	K	c1915		House
315.0	Booth Av	0215-D1A	2002-3	1406	23	C	c1925		House
317.0	Booth Av	0215-D1A	2002-3	1406	22	K	c1915		House
321.0	Booth Av	0215-D1A	2002-3	1406	21	C	c1920		House
349.0	Booth Av	DI01-016	1981-2	1801	10	M	C1930		House
381.0	Booth Av	DI01-017	1981-2	1801	9	P	C1929		House
390.0	Booth Av	DI01-018	1981-2	1808	1	M	C1930		House
400.0	Booth Av	DI01-019	1981-2	1808	2	C	P1938		House
401.0	Booth Av	DI01-020	1981-2	1801	8	F	C1930		House
429.0	Booth Av	0215-D1A	2002-3	1801	7.01	C	c1920		House
5.0	Brayton Av	DI01-022	1981-2	1602	14	C	C1970		House
27.0	Brayton Av	DI01-023	1981-2	1602	15	F	PRE1912		House
35.0	Brayton Av	DI01-024	1981-2	1601	16	M	1891-1912		House
40.0	Brayton Av	DI01-025	1981-2	1602	20	M	PRE1912		House
41.0	Brayton Av	DI01-026	1981-2	1602	17	F	1891-1912		House
49.0	Brayton Av	DI01-027	1981-2	1601	18	M	1867-1876		House
74.0	Brayton Av	DI01-029	1981-2	1602	18	C	P1938		House
75.0	Brayton Av	DI01-030	1981-2	1602	19	I	P1945		House
77.0	Brayton Av	DI01-031	1981-2	1601	20	C	P1945		House
80.0	Brayton Av	DI01-032	1981-2	1601	17	F	1867-1876		House
90.0	Brayton Av	DI01-033	1981-2	1504	16	C	P1938		House
131.0	Brayton Av	DI01-034	1981-2	1503	11	F	1912-1936		House
138.0	Brayton Av	DI01-035	1981-2	1503	7	C	P1945		House
150.0	Brayton Av	DI01-036	1981-2	1504	6	M	1891-1912		House
161.0	Brayton Av	DI01-037	1981-2	1502	12	M-P	1871-1912		House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
166.0	Brayton Av	DI01-038	1981-2	1502	9	F	1912-1936		House
170.0	Brayton Av	DI01-039	1981-2	1504	8	I	P1945		House
187.0	Brinkerhoff Ct	IN00-073	1981-2	1601	34.01	M	C1905-1910		House
240.0	Broad Av	IN00-074	1981-2	2804	7	M	C1925-1935		House
300.0	Broad Av	0215-D3b	2002-3	2808	8				House
312.0	Broad Av	0215-D3b	2002-3	2908	1				House
56.0	Brook Av	0215-S16a	2002-3	807	12				House
57.0	Brook Av	0215-S16a	2002-3	806	10				House
60.0	Brook Av	0215-S16a	2002-3	807	11				House
63.0	Brook Av	0215-S16a	2002-3	806	9				House
64.0	Brook Av	0215-S16a	2002-3	807	10				House
68.0	Brook Av	0215-S16a	2002-3	807	9				House
72.0	Brook Av	0215-S16a	2002-3	807	8				House
76.0	Brook Av	0215-S16a	2002-3	807	7				House
78.0	Brook Av	0215-S16a	2002-3	807	6				House
84.0	Brook Av	0215-S16a	2002-3	807	5				House
86.0	Brook Av	0215-S16a	2002-3	807	4				House
149.0	Cedar St	DI01-041	1981-2	1107	6	C	1936-1938		House
161.0	Cedar St	DI01-042	1981-2	1107	5	M	1891-1912		House
162.0	Cedar St	DI01-043	1981-2	1205	1	P	C1870		House
171.0	Cedar St	DI01-044	1981-2	1107	4	F	1891-1912		House
191.0	Cedar St	DI01-045	1981-2	1502	15	F	1891-1912		House
197.0	Cedar St	DI01-046	1981-2	1502	14	M	1891-1912		House
217.0	Cedar St	DI01-047	1981-2	1502	13	F	1891-1912		House
221.0	Cedar St	DI01-048	1981-2	1502	12	M	1891-1912		House
224.0	Cedar St	DI01-049	1981-2	1503	3	C	P1938		House
234.0	Cedar St	DI01-050	1981-2	1503	4	F	1912-1936		House
235.0	Cedar St	DI01-051	1981-2	1502	11	M	1891-1912		House
244.0	Cedar St	DI01-052	1981-2	1503	5	M	1912-1917		House
247.0	Cedar St	DI01-053	1981-2	1502	10	F	1891-1912		House
206.0	Central Av	IN00-076	1981-2	507	24.01	M	C1935		House
283.0	Central Av	IN00-077	1981-2	503	37	U	1936		House
81.0	Charles St	0215-D3A	2002-3	609	10				House
85.0	Charles St	0215-D3A	2002-3	609	11				House
87.0	Charles St	0215-D3A	2002-3	609	12				House
90.0	Charles St	0215-D3A	2002-3	614	3				House
91.0	Charles St	0215-D3A	2002-3	609	13				House
92.0	Charles St	0215-D3A	2002-3	614	2				House
95-7	Charles St	0215-D3A	2002-3	609	14				House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
96.0	Charles St	0215-D3A	2002-3	614	1				House
99.0	Charles St	0215-D3A	2002-3	609	15				House
71.0	Chestnut St	DI01-054	1981-2	1104	16	F	1891-1912		House
76.0	Chestnut St	DI01-055	1981-2	1105	2	M	C1880		House
77.0	Chestnut St	DI01-056	1981-2	1104	15	F	1876-1912		House
83.0	Chestnut St	DI01-058	1981-2	1104	14	P	1876-1912		House
90.0	Chestnut St	DI01-059	1981-2	1105	4	C	C1975		House
95.0	Chestnut St	DI01-060	1981-2	1104	13	P	1861-1867		House
98.0	Chestnut St	DI01-061	1981-2	1105	5	M	1891-1900		House
114.0	Chestnut St	DI01-062	1981-2	1106	1	P	1867-1876		House
115.0	Chestnut St	DI01-063	1981-2	1104	12	M-F	1912-1936		House
126.0	Chestnut St	DI01-064	1981-2	1106	2	F	C1900		House
131.0	Chestnut St	DI01-065	1981-2	1104	11	F	C1900		House
139.0	Chestnut St	DI01-066	1981-2	1104	10	M	C1900		House
140.0	Chestnut St	DI01-067	1981-2	1106	3	F-M	1867-1876		House
147.0	Chestnut St	DI01-068	1981-2	1104	9	M	1876-1917		House
154.0	Chestnut St	DI01-069	1981-2	1106	4	F	1891-1912		House
155.0	Chestnut St	DI01-070	1981-2	1104	7	F	1876-1891		House
171.0	Chestnut St	DI01-071	1981-2	1104	8	M	1876-1912		House
189.0	Chestnut St	DI01-072	1981-2	1501	21	M	1876-1912		House
199.0	Chestnut St	DI01-073	1981-2	1501	20	F	1876-1912		House
200.0	Chestnut St	DI01-074	1981-2	1502	1.01	M	C1895		House
207.0	Chestnut St	DI01-075	1981-2	1501	19	M	C1906		House
220.0	Chestnut St	DI01-076	1981-2	1502	2	M	C1906		House
226.0	Chestnut St	DI01-077	1981-2	1502	3	F	C1920		House
229.0	Chestnut St	DI01-078	1981-2	1501	18	P	1891-1912		House
236.0	Chestnut St	DI01-079	1981-2	1502	4	F	C1900		House
241.0	Chestnut St	DI01-080	1981-2	1501	17	P	1891-1900		House
244.0	Chestnut St	DI01-081	1981-2	1502	5	F	C1900		House
249.0	Chestnut St	DI01-082	1981-2	1501	16	U	C1900		House
254.0	Chestnut St	DI01-083	1981-2	1502	6	F	C1900		House
268.0	Chestnut St	DI01-085	1981-2	1502	7	F	C1896		House
80.0	Church St	DI01-086	1981-2	1204	4	F	C1890		House
88.0	Church St	DI01-087	1981-2	1204	6	F	C1900		House
2.0	Cottage Pl	SS19-001	1995-6, 02-3	2009	6				House
9.0	Cottage Pl	SS19-017	1995-6, 02-3	2301	13				House
10.0	Cottage Pl	SS19-003	1995-6, 02-3	2009	8				House
11.0	Cottage Pl	SS19-018	1995-6, 02-3	2301	14				House
12.0	Cottage Pl	SS19-004	1995-6, 02-3	2009	9				House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
16.0	Cottage Pl	SS19-005	1995-6, 02-3	2009	10				House
19.0	Cottage Pl	SS19-019	1995-6, 02-3	2301	15				House
20.0	Cottage Pl	SS19-006	1995-6, 02-3	2009	11				House
23.0	Cottage Pl	SS19-020	1995-6, 02-3	2301	16				House
24.0	Cottage Pl	SS19-007	1995-6, 02-3	2009	12				House
27.0	Cottage Pl	SS19-021	1995-6, 02-3	2301	17				House
28.0	Cottage Pl	SS19-008	1995-6, 02-3	2009	13				House
31.0	Cottage Pl	SS19-022	1995-6, 02-3	2301	18				House
32.0	Cottage Pl	SS19-009	1995-6, 02-3	2009	14				House
35.0	Cottage Pl	SS19-023	1995-6, 02-3	2301	19				House
36.0	Cottage Pl	SS19-010	1995-6, 02-3	2009	15				House
37.0	Cottage Pl	SS19-024	1995-6, 02-3	2301	20				House
42.0	Cottage Pl	SS19-011	1995-6, 02-3	2009	16				House
44.0	Cottage Pl	SS19-012	1995-6, 02-3	2009	17				House
46.0	Cottage Pl	SS19-013	1995-6, 02-3	2009	18				House
54.0	Cottage Pl	SS19-014	1995-6, 02-3	2009	19				House
161.0	Crescent Ct	0215-5A	2002-3	202	6				House
162.0	Crescent Ct	0215-5A	2002-3	202	5				House
165.0	Crescent Ct	0215-5A	2002-3	202	7				House
166.0	Crescent Ct	0215-5A	2002-3	202	4				House
488.0	Curry Av	0215-D2a	2002-3	705	6	C	c1915		House
490.0	Curry Av	0215-D2a	2002-3	705	5	C	c1915		House
42.0	Dana Pl	DI01-089	1981-2	2702	6	F	C1890		House
51.0	Dana Pl	DI01-090	1981-2	3101	9	F	C1900		House
54.0	Dana Pl	DI01-091	1981-2	2702	7	F	C1900		House
62.0	Dana Pl	DI01-092	1981-2	2702	8	F	C1900		House
65.0	Dana Pl	DI01-093	1981-2	3101	8.01	F	1912-1936		House
73.0	Dana Pl	DI01-094	1981-2	3101	7	F	1912-1936		House
74.0	Dana Pl	DI01-095	1981-2	2704	7	M	C1900		House
79.0	Dana Pl	DI01-096	1981-2	3101	6	F	1891-1912		House
86.0	Dana Pl	DI01-097	1981-2	2704	8	F	1912-1936		House
92.0	Dana Pl	DI01-098	1981-2	2704	9	F	1912-1936		House
104.0	Dana Pl	DI01-099	1981-2	2706	8	F	1912-1936		House
105.0	Dana Pl	DI01-100	1981-2	3201	21	M	C1923		House
110.0	Dana Pl	DI01-101	1981-2	2706	9	F	1912-1936		House
118.0	Dana Pl	DI01-102	1981-2	3201	20	F	1891-1912		House
206.0	Davison Pl	0215-D1A	2002-3	1303	6	C	c1925		House
212.0	Davison Pl	0215-D1A	2002-3	1006	7	C	c1925		House
225.0	Davison Pl	0215-D1A	2002-3	1006	11		c1925 rem		House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
231.0	Davison Pl	DI01-103	1981-2	1303	10	F	C1930		House
14.0	Dean St	SS65-001	1981-2	1206	11	M	1880-1900		House
38.0	Demarest Av W	0215-D3A	2002-3	605	2				House
40.0	Demarest Av W	0215-D3A	2002-3	605	1				House
64.0	Demarest Av W	SS66-001	1981-2, 02-3	604	7	F	1880-1905		House
68.0	Demarest Av W	SS66-002	1981-2, 02-3	604	6	F			House
72.0	Demarest Av W	SS66-003	1981-2, 02-3	604	5	F	1880-1905		House
78.0	Demarest Av W	SS66-004	1981-2, 02-3	604	4	F			House
82.0	Demarest Av W	SS66-005	1981-2, 02-3	604	3	F	1880-1905		House
86.0	Demarest Av W	SS66-006	1981-2, 02-3	604	2	F	1880-1905		House
90.0	Demarest Av W	SS66-007	1981-2	604	1	F	1880-1905		House
128.0	Demarest Av W	0215-D3A	2002-3	603	6				House
192.0	Demarest Av W	IN00-048	1981-2	606	28	P/E	1926		House
42.0	Dwight Pl	DI01-104	1981-2	2701	2	M	1867-1876		House
45.0	Dwight Pl	DI01-105	1981-2	2702	14.01-.08	M	1876		House
52.0	Dwight Pl	DI01-106	1981-2	2701	3	I	P1945		House
76.0	Dwight Pl	DI01-108	1981-2	2703	3	M	C1867		House
77.0	Dwight Pl	DI01-109	1981-2	2704	19	C	P1938		House
83.0	Dwight Pl	DI01-110	1981-2	2704	18	M	1867-1876		House
89.0	Dwight Pl	DI01-111	1981-2	2704	17	F-M	C1900		House
94.0	Dwight Pl	DI01-112	1981-2	2703	4	C	P1930		House
95.0	Dwight Pl	DI01-113	1981-2	2706	22	M	C1900		House
96.0	Dwight Pl	DI01-114	1981-2	2703	5	F	1867-1876		House
100.0	Dwight Pl	DI01-115	1981-2	2705	16	F	C1890		House
115.0	Dwight Pl	DI01-116	1981-2	2706	21	M	C1870		House
124.0	Dwight Pl	DI01-117	1981-2	2705	17	I	P1945		House
127.0	Dwight Pl	DI01-118	1981-2	2706	20	I	P1945		House
130.0	Dwight Pl	DI01-119	1981-2	2705	18	I			House
140.0	Dwight Pl	DI01-120	1981-2	2705	19	M	1876-1912		House
143.0	Dwight Pl	DI01-121	1981-2	2708	22	M	C1910		House
153.0	Dwight Pl	DI01-122	1981-2	2706	20.01	F	C1910		House
156.0	Dwight Pl	DI01-123	1981-2	2707	10	M	C1900		House
184.0	Dwight Pl	DI01-124	1981-2	2707	11	M	1876-1912		House
200.0	Dwight Pl	DI01-125	1981-2	2803	8	M	C1900		House
103.0	Elmore Av	0215-81b	2002-3	2309	10		c1910		House
1.0	Engle St	IN00-020	1981-2	1209	15	P/E	1888		House
15-21	Engle St	IN00-021	1981-2	1209	16.01	P/E	1915-1917		House
16.0	Engle St	SS07-004	1981-2	1208	7.01				House
75.0	Engle St	IN00-022	1981-2	1204	15	P/E	1902		House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
96.0	Engle St	IN00-023	1981-2	1203	4	P/E	C1930-1936		House
102.0	Engle St	IN00-084A	1981-2	1203	3	M	1861-1868		House
104.0	Engle St	IN00-084B	1981-2	1203	2	M	1861-1868		House
113.0	Engle St	IN00-024	1981-2	1105	11	P/E	1891-1899		House
130.0	Engle St	SS08-001	1981-2	913	14		PRE1899		House
132.0	Engle St	SS08-002	1981-2	913	13		PRE1899		House
134.0	Engle St	SS08-003	1981-2	913	12		PRE1899		House
142.0	Engle St	SS08-004	1981-2	913	10		PRE1899		House
143.0	Engle St	0215-D1C	2002-3	1105	14	C	c1920		House
148.0	Engle St	SS08-005	1981-2	913	9		PRE1899		House
150.0	Engle St	SS08-006	1981-2	913	8		PRE1899		House
151.0	Engle St	0215-D1C	2002-3	1105	15	C	c1920		House
154.0	Engle St	SS08-006A	1981-2	913	7				House
156.0	Engle St	SS08-007	1981-2	913	6		PRE1899		House
157.0	Engle St	IN00-025	1981-2,02-3	1105	1.01	P/E,K	1859, c1905		House
162.0	Engle St	SS08-008	1981-2	913	5		PRE1899		House
163.0	Engle St	0215-D1C	2002-3	1105	1.02		c1900		House
166.0	Engle St	SS08-009	1981-2	913	4		PRE1899		House
191.0	Engle St	0215-D1C	2002-3	1103	12	C	c1900		House
199.0	Engle St	0215-D1C	2002-3	1103	13	C	c1880's		House
205.0	Engle St	0215-D1C	2002-3	1103	14	C	c1890		House
221.0	Engle St	0215-D1C	2002-3	1103	15		c1890		House
229.0	Engle St	0215-D1C	2002-3	1103	16				House
275.0	Engle St	IN00-026	1981-2	1101	34.01-.86	P/E	C1930-1935		House
285.0	Engle St	0215-D1C	2002-3	1101	35		c1920		House
341.0	Engle St	IN00-027	1981-2	1006	21	P/E	C1912-1915		House
509.0	Engle St	IN00-030	1981-2	1001	1.04	P/E	1867-1976		House
93.0	Englewood Av	SS05-018	1981-2	2304	25		1900-1920		House
130.0	Englewood Av	IN00-032	1981-2	2309	20	P/E	C1885		House
185.0	Englewood Av	SS19-025	1995-6	2009	20				House
204.0	Englewood Av	IN00-086	1981-2	2019	7.01	F	1861-1867		House
244.0	Englewood Av	IN00-087	1981-2	2018	4	F	C1905-1910		House
54.0	Franklin St	DI01-127	1981-2	2707	1	F	1891-1912		House
57.0	Franklin St	DI01-128	1981-2	2705	25	F	1891-1912		House
60.0	Franklin St	DI01-129	1981-2	2707	2	F	1891-1912		House
63.0	Franklin St	DI01-130	1981-2	2705	24	F	1891-1912		House
64.0	Franklin St	DI01-131	1981-2	2707	3	F	1891-1912		House
68.0	Franklin St	DI01-132	1981-2	2707	4	F	1891-1912		House
71.0	Franklin St	DI01-133	1981-2	2705	23	F	1891-1912		House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
74.0	Franklin St	DI01-134	1981-2	2707	5	F	1891-1912		House
78.0	Franklin St	DI01-135	1981-2	2707	6	F	1891-1912		House
82.0	Franklin St	DI01-137	1981-2	2707	7	F	1891-1912		House
89.0	Franklin St	DI01-138	1981-2	2705	21	F	1891-1912		House
90.0	Franklin St	DI01-139	1981-2	2707	8	M	1891-1912		House
95.0	Franklin St	DI01-140	1981-2	2705	20	F	1912-1936		House
104.0	Franklin St	DI01-141	1981-2	2707	9	F	1912-1936		House
61.0	Glenwood Rd	0215-D1A	2002-3	1006	19	C	c1920		House
94.0	Glenwood Rd	0215-D1A	2002-3	1101	5	K	c1915		House
100.0	Glenwood Rd	0215-D1A	2002-3	1101	6	N/C	c1970		House
108.0	Glenwood Rd	0215-D1A	2002-3	1101	7	C	c1915		House
124.0	Glenwood Rd	0215-D1A	2002-3	1101	8	K	c1920		House
134.0	Glenwood Rd	0215-D1A	2002-3	1101	9	K	c1915		House
135.0	Glenwood Rd	0215-D1A	2002-3	1006	12	K	c1950		House
140.0	Glenwood Rd	0215-D1A	2002-3	1101	10	N/C	c1970		House
150.0	Glenwood Rd	0215-D1A	2002-3	1101	11	C	c1925		House
156.0	Glenwood Rd	0215-D1A	2002-3	1101	12	C	c1925		House
163.0	Glenwood Rd	0215-D1A	2002-3	1006	11	C	c1925		House
164.0	Glenwood Rd	0215-D1A	2002-3	1101	13	K	c1925		House
167.0	Glenwood Rd	0215-D1A	2002-3	1006	10	C	c1915		House
170.0	Glenwood Rd	0215-D1A	2002-3	1101	14	C	c1925		House
177.0	Glenwood Rd	0215-D1A	2002-3	1006	9	C	c1940		House
178.0	Glenwood Rd	0215-D1A	2002-3	1101	15	C	c1920's		House
188.0	Glenwood Rd	DI01-142	1981-2	1401	17	F	1912-1936		House
223.0	Glenwood Rd	DI01-143	1981-2	1401	14.01	M	1912-1936		House
236.0	Glenwood Rd	0215-D1A	2002-3	1404	1	C	c1925		House
244.0	Glenwood Rd	0215-D1A	2002-3	1404	2	K	c1915		House
251.0	Glenwood Rd	0215-D1A	2002-3	1401	12	K	c1915		House
260.0	Glenwood Rd	0215-D1A	2002-3	1404	3	C	c1915		House
261.0	Glenwood Rd	0215-D1A	2002-3	1401	11	K	c1925		House
60.0	Grand Av	IN00-033	1981-2	2408	6	P/E	C1810-1820		House
228.0	Grand Av	IN00-034	1981-2	2802	7	P/E	1808		House
488.0	Grand Av	IN00-037	1981-2	3005	4	P/E	C1800-1830		House
568.0	Grand Av	IN00-090	1981-2	3009	6	M	1867		House
133.0	Green St	IN00-091	1981-2	2016	17	F	C1880		House
141.0	Green St	IN00-092	1981-2	2016	16	F	C1875-1880		House
387.0	Greenleaf Av	0215-5A	2002-3	202	15				House
71.0	Grove St	SS09-001	1981-2, 02-3	608	11		1861-1899		House
72.0	Grove St	SS09-002	1981-2, 02-3	609	6		1861-1899		House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
74.0	Grove St	SS09-003	1981-2, 02-3	609	5		1861-1899		House
77.0	Grove St	SS09-004	1981-2, 02-3	608	12		1861-1899		House
82.0	Grove St	SS09-005	1981-2, 02-3	609	4		1861-1899		House
83.0	Grove St	SS09-006	1981-2, 02-3	608	13		1861-1899		House
86.0	Grove St	SS09-007	1981-2, 02-3	609	3		1861-1899		House
87.0	Grove St	SS09-008	1981-2, 02-3	608	14		1861-1899		House
90.0	Grove St	SS09-009	1981-2, 02-3	609	2		1861-1899		House
93.0	Grove St	SS09-010	1981-2, 02-3	608	15		1861-1899		House
96.0	Grove St	SS09-011	1981-2, 02-3	609	1		1861-1899		House
97.0	Grove St	0215-D3A	2002-3	608	16				House
101.0	Grove St	0215-D3A	2002-3	608	17				House
54.0	Hamilton Av E	DI01-144	1981-2	1103	1	F	1876-1912		House
63.0	Hamilton Av E	DI01-145	1981-2	1102	21	F			House
66.0	Hamilton Av E	DI01-146	1981-2	1103	2	F	1912-1936		House
69.0	Hamilton Av E	DI01-147	1981-2	1102	20	P	C1880		House
75.0	Hamilton Av E	DI01-148	1981-2	1102	19	F	1891-1912		House
81.0	Hamilton Av E	DI01-150	1981-2	1102	18	M	1891-1912		House
87.0	Hamilton Av E	DI01-151	1981-2	1102	16	F	1891-1912		House
95.0	Hamilton Av E	DI01-152	1981-2	1102	15	F	C1900		House
102.0	Hamilton Av E	DI01-153	1981-2	1104	1	U	C1895		House
103.0	Hamilton Av E	DI01-154	1981-2	1102	14	M	1876-1912		House
109.0	Hamilton Av E	DI01-155	1981-2	1102	13	I	P1945		House
110.0	Hamilton Av E	DI01-156	1981-2	1104	2	P	1867-1876		House
118.0	Hamilton Av E	DI01-157	1981-2	1104	3	F	1891-1912		House
121.0	Hamilton Av E	DI01-158	1981-2	1102	12	F	1891-1912		House
130.0	Hamilton Av E	DI01-159	1981-2	1104	4	F	1891-1912		House
131.0	Hamilton Av E	DI01-160	1981-2	1102	11.01	F	1891-1912		House
136.0	Hamilton Av E	DI01-161	1981-2	1104	5	F	1891-1912		House
156.0	Hamilton Av E	DI01-162	1981-2	1104	6	F	1891-1912		House
157.0	Hamilton Av E	DI01-163	1981-2	1102	11.02	I	P1945		House
35.0	Hamilton Av W	0215-S16a	2002-3	806	22				House
51.0	Hamilton Av W	0215-S16a	2002-3	806	21				House
73.0	Hamilton Av W	IN00-093	1981-2	807	17	M	1867-1876		House
85.0	Hamilton Av W	IN00-094	1981-2	807	20	M	1867-1876		House
109.0	Hamilton Av W	IN00-038	1981-2	807	26	P/E	1867-1876		House
66.0	Henry St	SS10-001	1981-2, 02-3	608	5		1861-1899		House
67.0	Henry St	0215-D3A	2002-3	604	11				House
71.0	Henry St	SS10-002	1981-2, 02-3	604	12		1861-1899		House
74.0	Henry St	SS10-003	1981-2, 02-3	608	4		1861-1899		House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
75.0	Henry St	SS10-004	1981-2, 02-3	604	13		1861-1899		House
80.0	Henry St	SS10-005	1981-2, 02-3	608	3		1861-1899		House
81.0	Henry St	SS10-006	1981-2, 02-3	604	14		1861-1899		House
82.0	Henry St	SS10-007	1981-2, 02-3	608	2		1861-1899		House
85.0	Henry St	SS10-008	1981-2, 02-3	604	15		1861-1899		House
86.0	Henry St	SS10-009	1981-2, 02-3	608	1		1861-1899		House
89.0	Henry St	SS10-010	1981-2, 02-3	604	16		1861-1899		House
340.0	Highview Rd	IN00-039	1981-2	1402	5	P/E	1936-1938		House
343.0	Highview Rd	IN00-040	1981-2	1403	15	P/E	C1930		House
361.0	Highview Rd	IN00-041	1981-2	1403	16	P/E	C1930		House
370.0	Highview Rd	IN00-042	1981-2	1402	4	P/E	C1933		House
390.0	Highview Rd	IN00-043	1981-2	1402	3	P/E	1936-1938		House
400.0	Highview Rd	IN00-044	1981-2	1402	2	P/E	C1930-1936		House
437.0	Highview Rd	0215-D1A	2002-3	1301	19.01	C	c1940		House
440.0	Highview Rd	IN00-045	81-2-95-6	1703	24.01	P/E	C1930		House
500.0	Highview Rd	IN00-046	1981-2	1301	27	P/E	1932		House
98.0	Highwood Av	IN00-095	1981-2	712	2	F	1871-1912		House
315.0	Hillcrest Rd	0215-D1A	2002-3	1704	12	C	c1940		House
320.0	Hillcrest Rd	0215-D1A	2002-3	1406	13	C	c1940		House
333.0	Hillcrest Rd	0215-D1A	2002-3	1704	13	K	c1920		House
338.0	Hillcrest Rd	0215-D1A	2002-3	1406	12	K	c1925		House
343.0	Hillcrest Rd	0215-D1A	2002-3	1704	14	C	c1925		House
346.0	Hillcrest Rd	0215-D1A	2002-3	1403	4	K	c1915		House
351.0	Hillcrest Rd	0215-D1A	2002-3	1704	15	K	c1920		House
359.0	Hillcrest Rd	0215-D1A	2002-3	1704	16	K	c1920		House
365.0	Hillcrest Rd	0215-D1A	2002-3	1704	17	C	c1920		House
370.0	Hillcrest Rd	0215-D1A	2002-3	1403	3	C	c1920		House
375.0	Hillcrest Rd	0215-D1A	2002-3	1704	18	C	c1920		House
19.0	Hillside Av	DI01-164	1981-2	1210	19	F	C1895		House
21.0	Hillside Av	DI01-165	1981-2	1210	20	M	C1895		House
28.0	Hillside Av	DI01-166	1981-2	1209	13.01	F	C1895		House
32.0	Hillside Av	DI01-167	1981-2	1209	12	F	C1895		House
36.0	Hillside Av	DI01-168	1981-2	1209	11	F	C1895		House
42.0	Hillside Av	DI01-169	1981-2	1209	10	F	1876-1912		House
45.0	Hillside Av	DI01-171	1981-2	1210	22	I	P1945		House
46.0	Hillside Av	DI01-170	1981-2	1209	9	F	1876-1912		House
52.0	Hillside Av	DI01-172	1981-2	1209	8	F	1867-1876		House
65.0	Hillside Av	DI01-174	1981-2	1210	23	I	P1945		House
73.0	Hillside Av	DI01-175	1981-2	1210	24	I	P1945		House

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
98.0	Hillside Av	DI01-176	1981-2	1204	9	M	1867-1876		House
100.0	Hillside Av	DI01-177	1981-2	1204	8	M	C1880		House
101.0	Hillside Av	DI01-178	1981-2	1205	15	I	P1945		House
102.0	Hillside Av	DI01-179	1981-2	1204	7	F	C1900		House
123.0	Hillside Av	DI01-180	1981-2	1205	14	F	1861-1867		House
130.0	Hillside Av	DI01-181	1981-2	1106	9	C	1938		House
140.0	Hillside Av	DI01-182	1981-2	1106	8	F	C1890s		House
151.0	Hillside Av	DI01-183	1981-2	1205	15	M	1861-1867		House
158.0	Hillside Av	DI01-184	1981-2	1106	7	F	C1930		House
170.0	Hillside Av	DI01-185	1981-2	1106	6	F	C1930		House
175.0	Hillside Av	DI01-186	1981-2	1107	7	F	C1930		House
179.0	Hillside Av	DI01-187	1981-2	1107	8	F	C1905		House
182.0	Hillside Av	DI01-188	1981-2	1106	5	F	C1910		House
191.0	Hillside Av	DI01-189	1981-2	1107	9	F	C1900		House
16.0	Hudson Av E	0215-D2a	2002-3	707	1	C	C1905		House
20.0	Hudson Av E	0215-D2a	2002-3	707	2	C	c1915		House
25.0	Hudson Av E	0215-D2a	2002-3	703	2	C	c1915		House
33.0	Hudson Av E	0215-D2a	2002-3	703	3	C	c1915		House
7.0	Hudson Av W	0215-D2a	2002-3	705	6	C	c1880		House
20.0	Hudson Av W	0215-D2a	2002-3	710	2	N/C			House
24.0	Hudson Av W	0215-D2a	2002-3	710	1	K			House
52.0	Hudson Av W	IN00-096	1981-2	709	7	F	C1880-1885		House
64.0	Hudson Av W	IN00-097	1981-2	709	6	M	1876-1912		House
72.0	Hudson Av W	0215-130a	2002-3	709	3		c1920		House
130.0	Hudson Av W	IN00-098	1981-2	409	32	F	C1895		House
183.0	Hudson Av W	0215-S10a	2002-3	407	5				House
187.0	Hudson Av W	0215-S10a	2002-3	407	6				House
188.0	Hudson Av W	0215-S10a	2002-3	409	21				House
190.0	Hudson Av W	0215-S10a	2002-3	409	20				House
195.0	Hudson Av W	0215-S10a	2002-3	407	7				House
196.0	Hudson Av W	0215-S10a	2002-3	409	19				House
200.0	Hudson Av W	0215-S10a	2002-3	409	18				House
201.0	Hudson Av W	0215-S10a	2002-3	407	8				House
204.0	Hudson Av W	0215-S10a	2002-3	409	17				House
205.0	Hudson Av W	0215-S10a	2002-3	407	9				House
208.0	Hudson Av W	0215-S10a	2002-3	409	16				House
209.0	Hudson Av W	0215-S10a	2002-3	403	13				House
210.0	Hudson Av W	0215-S10a	2002-3	409	15				House
214.0	Hudson Av W	0215-S10a	2002-3	409	14				House

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
215.0	Hudson Av W	0215-S10a	2002-3	403	14				House
220.0	Hudson Av W	0215-S10a	2002-3	409	13				House
221.0	Hudson Av W	0215-S10a	2002-3	403	15				House
224.0	Hudson Av W	0215-S10a	2002-3	409	12				House
225.0	Hudson Av W	0215-S10a	2002-3	402	11				House
228.0	Hudson Av W	0215-S10a	2002-3	409	11				House
230.0	Hudson Av W	0215-S10a	2002-3	409	10				House
232.0	Hudson Av W	0215-S10a	2002-3	409	9				House
233.0	Hudson Av W	0215-S10a	2002-3	402	12				House
236.0	Hudson Av W	0215-S10a	2002-3	409	8				House
237.0	Hudson Av W	0215-S10a	2002-3	402	13				House
287.0	Hutchinson Rd	IN00-099	1981-2	3301	12	M	C1930-1936		House
13.0	Ivy La E	0215-D2a	2002-3	702	4	K	c1880		House
19.0	Ivy La W	IN00-102	1981-2	701	17	M	C1903		House
60.0	Ivy La W	IN00-100	1981-2	704	4	F	1867-1876		House
80.0	Ivy La W	IN00-101	1981-2	704	2	M	C1894		House
13.0	James St	0215-D3A	2002-3	610	21				House
15.0	James St	0215-D3A	2002-3	610	22				House
29.0	James St	0215-D3A	2002-3	610	25				House
35.0	James St	0215-D3A	2002-3	610	26				House
38.0	James St	0215-D3A	2002-3	609	8				House
41.0	James St	0215-D3A	2002-3	610	27				House
47.0	James St	0215-D3A	2002-3	610	28				House
48.0	James St	0215-D3A	2002-3	609	7.01				House
51.0	James St	0215-D3A	2002-3	610	29				House
57.0	James St	SS09-012	1981-2, 02-3	610	30		1861-1899		House
60.0	James St	0215-D3A	2002-3	608	10				House
61.0	James St	0215-D3A	2002-3	610	31				House
64.0	James St	0215-D3A	2002-3	608	9				House
67.0	James St	IN00-104	1981-2, 02-3	605	10	M	1867-1876		House
71.0	James St	0215-D3A	2002-3	605	11				House
72.0	James St	IN00-105	1981-2, 02-3	608	8	M	C1895-1900		House
75.0	James St	0215-D3A	2002-3	605	12				House
76.0	James St	0215-D3A	2002-3	608	7				House
79.0	James St	0215-D3A	2002-3	605	13				House
84.0	James St	0215-D3A	2002-3	608	6				House
85-7	James St	0215-D3A	2002-3	605	14				House
89.0	James St	0215-D3A	2002-3	605	15				House
90.0	James St	0215-D3A	2002-3	604	10				House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
95.0	James St	0215-D3A	2002-3	605	16				House
96.0	James St	0215-D3A	2002-3	604	9				House
99.0	James St	0215-D3A	2002-3	605	17				House
101.0	James St	0215-D3A	2002-3	605	18				House
104.0	James St	0215-D3A	2002-3	604	8				House
150.0	Jane St	IN00-103	1981-2	508	6	M	C1885-1900		House
154.0	John St	DI03-001	1981-2	601	12	M	1876-1912		House
159.0	John St	DI03-002	1981-2	509	37	F	1876-1912		House
160.0	John St	DI03-003	1981-2	601	11	M	C1900-1910		House
163.0	John St	DI03-004	1981-2	509	38	M	1876-1912		House
164.0	John St	DI03-005	1981-2	601	10.01	M	1895-1900		House
168.0	John St	DI03-007	1981-2	601	9	M	1895-1900		House
170.0	John St	DI03-009	1981-2	601	8	M	1895		House
174.0	John St	DI03-010	1981-2	601	7	F	C1895		House
178.0	John St	DI03-011	1981-2	601	6	F	C1900-1905		House
179.0	John St	DI03-012	1981-2	507	15	F	1876-1912		House
182.0	John St	DI03-013	1981-2	601	5	M	C1915		House
183.0	John St	DI03-014	1981-2	507	16	M	1876-1912		House
186.0	John St	DI03-015	1981-2	601	4	M	C1895		House
187.0	John St	DI03-016	1981-2	507	17	M	1876-1912		House
189.0	John St	DI03-017	1981-2	507	18	I	P1936		House
190.0	John St	DI03-018	1981-2	601	3	M	C1900		House
194.0	John St	DI03-019	1981-2	601	2	M	1876-1912		House
195.0	John St	DI03-020	1981-2	507	19	F	1876-1912		House
199.0	John St	DI03-021	1981-2	507	20	F	C1920-1930		House
200.0	John St	DI03-022	1981-2	601	1	M	1876-1912		House
203.0	John St	DI03-023	1981-2	507	21	M	1876-1912		House
207.0	John St	DI03-024	1981-2	507	22	F	1876-1912		House
300.0	Johnson Av	DI01-190	1981-2	1504	15	F	1891-1912		House
353.0	Johnson Av	0215-D1A	2002-3	1406	20	C	c1940		House
363.0	Johnson Av	0215-D1A	2002-3	1406	19	C	c1955		House
375.0	Johnson Av	0215-D1A	2002-3	1406	18	K	c1920		House
383.0	Johnson Av	0215-D1A	2002-3	1406	17	C	c1920		House
391.0	Johnson Av	0215-D1A	2002-3	1406	16	K	c1920		House
397.0	Johnson Av	0215-D1A	2002-3	1406	15	K	c1920		House
414.0	Johnson Av	0215-D1A	2002-3	1801	2	K	c1920		House
430.0	Johnson Av	0215-D1A	2002-3	1801	3	C	c1920		House
35.0	Jones Rd	DI01-192	1981-2	3102	4	M	1891-1912		House
54.0	Jones Rd	DI01-193	1981-2	3101	2	F	1891-1912		House

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
95.0	Jones Rd	DI01-194	1981-2	3202	1.01	I	P1945		House
115.0	Jones Rd	DI01-195	1981-2	3202	16	F	1912-1936		House
120.0	Jones Rd	DI01-196	1981-2	3201	6	C	1938		House
181.0	Jones Rd	IN00-106	1981-2	3204	12	M	C1840-1860		House
200.0	King St	DI01-200	1981-2	1103	8	F	1876-1912		House
204.0	King St	DI01-201	1981-2	1103	7	I	P1945		House
209.0	King St	DI01-202	1981-2	1104	17	F	1876-1891		House
214.0	King St	DI01-203	1981-2	1103	5	F	C1900		House
218.0	King St	DI01-204	1981-2	1103	4	M	C1889		House
224.0	King St	DI01-205	1981-2	1103	3	M	1876-1912		House
57.0	Knickerbocker Rd	IN00-107	1981-2, 02-3	606	26	F	1867-1876		House
60.0	Knickerbocker Rd	0215-S10b	2002-3	307	21				House
63.0	Knickerbocker Rd	0215-S10b	2002-3	606	27				House
64.0	Knickerbocker Rd	0215-S10b	2002-3	307	20				House
68.0	Knickerbocker Rd	0215-S10b	2002-3	307	19				House
72.0	Knickerbocker Rd	0215-S10b	2002-3	307	18				House
76.0	Knickerbocker Rd	0215-S10b	2002-3	307	17				House
80.0	Knickerbocker Rd	0215-S10b	2002-3	307	16				House
84.0	Knickerbocker Rd	0215-S10b	2002-3	307	15				House
88.0	Knickerbocker Rd	0215-S10b	2002-3	307	14				House
92.0	Knickerbocker Rd	0215-S10b	2002-3	307	13				House
96.0	Knickerbocker Rd	0215-S10b	2002-3	307	12				House
97.0	Knickerbocker Rd	IN00-108	1981-2, 02-3	601	45	M	1876-1912		House
100.0	Knickerbocker Rd	0215-S10b	2002-3	307	11				House
101.0	Knickerbocker Rd	0215-S10b	2002-3	601	46				House
104.0	Knickerbocker Rd	0215-S10b	2002-3	307	10				House
107.0	Knickerbocker Rd	0215-S10b	2002-3	601	47				House
108.0	Knickerbocker Rd	0215-S10b	2002-3	307	9				House
111.0	Knickerbocker Rd	0215-S10b	2002-3	601	48				House
114.0	Knickerbocker Rd	0215-S10b	2002-3	307	8				House
115.0	Knickerbocker Rd	0215-S10b	2002-3	601	49				House
118.0	Knickerbocker Rd	0215-S10b	2002-3	307	7				House
119.0	Knickerbocker Rd	0215-S10b	2002-3	601	50				House
125.0	Knickerbocker Rd	0215-S10b	2002-3	601	51				House
324.0	Knickerbocker Rd	SS20-001	1995-6	112	15				House
51.0	Lafayette Av	0215-109a	2002-3	2307	1		1915-20		House
66.0	Lafayette Pl	IN00-110	1981-2	2018	5.01-.05	M	1867-1876		House
350.0	Lewelen Circle	0215-D1A	2002-3	1703	13	N/C	c1980		House
351.0	Lewelen Circle	0215-D1A	2002-3	1403	1	N/C	c1960		House

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
361.0	Lewelen Circle	0215-D1A	2002-3	1403	2	N/C	c1970		House
366.0	Lewelen Circle	0215-D1A	2002-3	1703	12	N/C	c1990		House
131.0	Liberty Rd	0215-D1A	2002-3	607	14				House
135.0	Liberty Rd	0215-D1A	2002-3	607	15				House
139.0	Liberty Rd	0215-D1A	2002-3	607	16				House
142.0	Liberty Rd	0215-D1A	2002-3	613	12				House
143.0	Liberty Rd	0215-D1A	2002-3	607	17				House
146.0	Liberty Rd	0215-D1A	2002-3	613	11				House
147.0	Liberty Rd	0215-D1A	2002-3	607	18				House
150.0	Liberty Rd	0215-D1A	2002-3	613	10				House
151.0	Liberty Rd	0215-D1A	2002-3	607	19				House
154.0	Liberty Rd	0215-D1A	2002-3	613	9				House
155.0	Liberty Rd	IN00-111	1981-2, 02-3	607	20	F	C1910		House
158.0	Liberty Rd	0215-D1A	2002-3	613	8				House
159.0	Liberty Rd	0215-D1A	2002-3	607	21				House
162.0	Liberty Rd	0215-D1A	2002-3	613	7				House
166.0	Liberty Rd	0215-D1A	2002-3	613	6				House
170.0	Liberty Rd	0215-D1A	2002-3	613	5				House
178.0	Liberty Rd	IN00-050	1981-2	613	4	P/E	1867-1876		House
216.0	Liberty Rd	0215-S10b	2002-3	612	4				House
220.0	Liberty Rd	0215-S10b	2002-3	612	3				House
224.0	Liberty Rd	0215-S10b	2002-3	612	2				House
228.0	Liberty Rd	0215-S10b	2002-3	612	1				House
449.0	Liberty Rd	0215-5A	2002-3	204	4				House
454.0	Liberty Rd	0215-5A	2002-3	202	10				House
455.0	Liberty Rd	0215-5A	2002-3	204	5				House
461.0	Liberty Rd	0215-5A	2002-3	204	6				House
462.0	Liberty Rd	0215-5A	2002-3	202	9				House
467.0	Liberty Rd	0215-5A	2002-3	204	7				House
480.0	Liberty Rd	IN00-115	1981-2	201	3	F	C1895-1899		House
501.0	Liberty Rd	IN00-051	1981-2	111	27	P/E	1830		House
505.0	Liberty Rd	IN00-116	1981-2	109	32	M	1876-1891		House
26.0	Lincoln St	DI01-207	1981-2	1602	12	I	C1961		House
40.0	Lincoln St	DI01-208	1981-2	1602	11	F	C1927		House
41.0	Lincoln St	DI01-209	1981-2	1901	9	M	1871-1872		House
60.0	Lincoln St	DI01-212	1981-2	1602	9	C	O1945		House
80.0	Lincoln St	DI01-213	1981-2	1602	8	C	P1945		House
88.0	Lincoln St	DI01-215	1981-2	1602	7	C	P1945		House
96.0	Lincoln St	DI01-216	1981-2	1602	6	F	C1890		House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
104.0	Lincoln St	DI01-217	1981-2	1602	5	F	C1890		House
116.0	Lincoln St	DI01-218	1981-2	1602	4	F	C1918		House
160.0	Lincoln St	DI01-220	1981-2	1504	7	M	C1910s		House
170.0	Lincoln St	DI01-221	1981-2	1504	6	F	C1930		House
185.0	Lincoln St	DI01-223	1981-2	1808	25	F	C1912		House
200.0	Lincoln St	DI01-224	1981-2	1504	5	F	C1920		House
201.0	Lincoln St	DI01-225	1981-2	1808	26	F	C1912		House
218.0	Lincoln St	DI01-227	1981-2	1504	4	F	C1930		House
224.0	Lincoln St	DI01-228	1981-2	1504	3	M	C1925		House
250.0	Lincoln St	DI01-230	1981-2	1504	2	F	C1930		House
260.0	Lincoln St	DI01-232	1981-2	1504	1	F	C1910s		House
73.0	Linden Av	DI01-233	1981-2	2707	15	F	1876-1912		House
76.0	Linden Av	DI01-234	1981-2	2803	2	M	C1910s		House
83.0	Linden Av	DI01-235	1981-2	2707	14	P	C1900		House
84.0	Linden Av	DI01-236	1981-2	2803	3	F	C1900		House
86.0	Linden Av	DI01-237	1981-2	2803	4	F	1912-1936		House
91.0	Linden Av	DI01-238	1981-2	2707	13	F	1891-1912		House
94.0	Linden Av	DI01-239	1981-2	2803	5	F	1900-1920		House
99.0	Linden Av	DI01-240	1981-2	2707	12	M	1867-1876		House
106.0	Linden Av	DI01-241	1981-2	2803	6	M	1867-1876		House
114.0	Linden Av	DI01-242	1981-2	2803	7	F	C1900		House
129.0	Linden Av	DI01-243	1981-2	2708	18.01	F	1871-1891		House
140.0	Linden Av	DI01-244	1981-2	2804	1	M	C1900		House
143.0	Linden Av	DI01-245	1981-2	2708	17	C	P1945		House
148.0	Linden Av	DI01-246	1981-2	2804	2	F	C1900		House
153.0	Linden Av	DI01-247	1981-2	2708	16	C	P1938		House
156.0	Linden Av	DI01-248	1981-2	2804	3	P	C1880		House
163.0	Linden Av	DI01-250	1981-2	2708	15	C	P1938		House
171.0	Linden Av	DI01-251	1981-2	2708	14	F	C1905		House
181.0	Linden Av	DI01-252	1981-2	2708	13	M	1872-1912		House
182.0	Linden Av	DI01-253	1981-2	2804	5	F	1891-1912		House
191.0	Linden Av	DI01-254	1981-2	2708	12	M	1920		House
192.0	Linden Av	DI01-255	1981-2	2804	6	F	C1910		House
234.0	Linden Av	DI01-256	1981-2	3301	2	M	C1893		House
246.0	Linden Av	DI01-257	1981-2	3301	3	C	P1945		House
251.0	Linden Av	DI01-258	1981-2	3203	10	M	C1890s		House
276.0	Linden Av	DI01-261	1981-2	3301	5	F	1867-1876		House
281.0	Linden Av	DI01-262	1981-2	3203	8	M	C1909		House
300.0	Linden Av	DI01-264	1981-2	3301	7	M	C1910		House

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
400.0	Linden Av	DI01-265	1981-2	3601	3	M	C1910		House
40.0	Lydecker St	DI01-267	1981-2	1210	10	F	C1890s		House
44.0	Lydecker St	DI01-268	1981-2	1210	9	F	1936-1938		House
46.0	Lydecker St	DI01-269	1981-2	1210	8	F	C1900		House
59.0	Lydecker St	DI01-270	1981-2	1601	37	P	C1860		House
70.0	Lydecker St	DI01-271	1981-2	1210	7	F	C1920		House
84.0	Lydecker St	DI01-272	1981-2	1210	6	F	C1900		House
100.0	Lydecker St	DI01-273	1981-2	1205	7	F	C1900		House
110.0	Lydecker St	DI01-274	1981-2	1205	6	F	1891-1912		House
116.0	Lydecker St	DI01-275	1981-2	1205	5	F	C1930		House
132.0	Lydecker St	DI01-277	1981-2	1205	3	F	1891-1912		House
140.0	Lydecker St	DI01-278	1981-2	1205	2	P	1867-1876		House
159.0	Lydecker St	DI01-279	1981-2	1502	16	M	PRE1876		House
162.0	Lydecker St	DI01-280	1981-2	1107	3	F	C1910		House
170.0	Lydecker St	DI01-281	1981-2	1107	2	F	1819-1912		House
188.0	Lydecker St	DI01-282	1981-2	1107	1	F	1819-1912		House
221.0	Lydecker St	DI01-283	1981-2	1501	27.01	M	1891-1912		House
232.0	Lydecker St	DI01-284	1981-2	1102	10	M	1912-1936		House
240.0	Lydecker St	DI01-285	1981-2	1102	9	C	P1945		House
256.0	Lydecker St	DI01-287	1981-2	1102	8	M-P	C1915		House
276.0	Lydecker St	DI01-288	1981-2	1101	23	M	1891-1912		House
290.0	Lydecker St	DI01-289	1981-2	1101	22	M	1912-1936		House
300.0	Lydecker St	DI01-290	1981-2	1101	21	M	1912-1936		House
301.0	Lydecker St	DI01-291	1981-2	1404	10	F	1912-1936		House
306.0	Lydecker St	DI01-292	1981-2	1101	20	F	1912-1936		House
314.0	Lydecker St	DI01-293	1981-2	1101	19	F	1912-1936		House
317.0	Lydecker St	DI01-294	1981-2	1404	11	F	1912-1936		House
320.0	Lydecker St	DI01-295	1981-2	1101	18	F	C1930		House
351.0	Lydecker St	DI01-296	1981-2	1401	14.02	F	1936-1938		House
370.0	Lydecker St	DI01-298	1981-2	1303	9	F	1936-1938		House
142.0	Lyman Pl	DI01-300	1981-2	2704	1	C	P1938		House
150.0	Lyman Pl	DI01-301	1981-2	2704	2	F	C1925		House
157.0	Lyman Pl	DI01-302	1981-2	2702	13	F	C1925		House
160.0	Lyman Pl	DI01-303	1981-2	2704	3	C	P1938		House
165.0	Lyman Pl	DI01-304	1981-2	2702	12	F	C1905		House
175.0	Lyman Pl	DI01-306	1981-2	2702	11	C	P1938		House
180.0	Lyman Pl	DI01-307	1981-2	2704	5	F	C1926		House
183.0	Lyman Pl	DI01-308	1981-2	2702	10	C	P1938		House
189.0	Lyman Pl	DI01-309	1981-2	2702	9	C	C1925		House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
200.0	Lyman Pl	DI01-310	1981-2	2704	6	C	P1938		House
115.0	Madison Av	0215-D3b	2002-3	2906	25				House
125.0	Madison Av	0215-D3b	2002-3	2906	19				House
131.0	Madison Av	0215-D3b	2002-3	2906	18				House
135.0	Madison Av	0215-D3b	2002-3	2906	17				House
149.0	Madison Av	0215-D3b	2002-3	2907	11				House
153.0	Madison Av	0215-D3b	2002-3	2907	10				House
157.0	Madison Av	0215-D3b	2002-3	2907	9				House
161.0	Madison Av	0215-D3b	2002-3	2907	8				House
133.0	Maple St	DI01-311	1981-2	2706	19	C	P1938		House
139.0	Maple St	DI01-312	1981-2	2706	18	F	1936-1938		House
145.0	Maple St	DI01-313	1981-2	2706	17	F	1912-1936		House
146.0	Maple St	DI01-314	1981-2	2708	1	F	1876-1891		House
156.0	Maple St	DI01-315	1981-2	2708	2	M	1876-1912		House
159.0	Maple St	DI01-316	1981-2	2706	16	M	19001-1920		House
164.0	Maple St	DI01-317	1981-2	2708	3	F	1876-1891		House
167.0	Maple St	DI01-318	1981-2	2706	15	M	1867-1876		House
172.0	Maple St	DI01-319	1981-2	2708	4	F	1912-1936		House
175.0	Maple St	DI01-320	1981-2	2706	14	F	C1900		House
180.0	Maple St	DI01-321	1981-2	2708	5	F	1912-1936		House
185.0	Maple St	DI01-322	1981-2	2708	6	F	1891-1912		House
197.0	Maple St	DI01-323	1981-2	2706	12	F	1912-1936		House
209.0	Maple St	DI01-324	1981-2	2706	11	P	C1895		House
225.0	Maple St	0215-D1B	2002-3	3201	18	C	c1950		House
233.0	Maple St	0215-D1B	2002-3	3201	17	C	c1950		House
240.0	Maple St	0215-D1B	2002-3	3203	1	C	c1925		House
245.0	Maple St	0215-D1B	2002-3	3201	12	C	c1950		House
251.0	Maple St	0215-D1B	2002-3	3201	11.01	C	c1950		House
260.0	Maple St	0215-D1B	2002-3	3203	2	C	c1950		House
267.0	Maple St	DI01-325	1981-2	3201	10	M	1891-1912		House
269.0	Maple St	DI01-326	1981-2	3201	9	M	1891-1912		House
276.0	Maple St	DI01-327	1981-2	3203	3	M	C1920s		House
277.0	Maple St	DI01-328	1981-2	3201	8	M	1891-1912		House
285.0	Maple St	DI01-329	1981-2	3201	7	M	1819-1912		House
292.0	Maple St	DI01-330	1981-2	3203	4	M	C1920s		House
296.0	Marlboro Rd	0215-116a	2002-3	105	11		c1920		House
129.0	Meadowbrook Rd	0215-D3b	2002-3	2806	9				House
132.0	Meadowbrook Rd	0215-D3b	2002-3	2906	8				House
140.0	Meadowbrook Rd	0215-D3b	2002-3	2906	9				House

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
164.0	Meadowbrook Rd	0215-D3b	2002-3	2907	2				House
171.0	Meadowbrook Rd	0215-D3b	2002-3	2808	9				House
176.0	Meadowbrook Rd	0215-D3b	2002-3	2908	17				House
287.0	Morrow Rd	IN00-052	1981-2	1405	13	P/E	1936-1938		House
311.0	Morrow Rd	0215-D1A	2002-3	1405	15	C	c1925		House
401.0	Morrow Rd	0215-D1A	2002-3	1401	8	K	c1920		House
239.0	Mountain Rd	DI01-331	1981-2	3101	5.01	F	1912-1936		House
247.0	Mountain Rd	DI01-332	1981-2	3101	4	F	1912-1936		House
250.0	Mountain Rd	DI01-333	1981-2	3201	3	F	1912-1936		House
265.0	Mountain Rd	DI01-334	1981-2	3101	3	P	C1910		House
270.0	Mountain Rd	DI01-335	1981-2	3201	4	F	1891-1912		House
280.0	Mountain Rd	DI01-336	1981-2	3201	5	P	C1915		House
320.0	Mountain Rd	DI01-337	1981-2	3202	2.01	P	1917-1936		House
355.0	Mountain Rd	DI01-339	1981-2	3102	12	M	1891-1912		House
360.0	Mountain Rd	DI01-341	1981-2	3202	4	F	1912-1936		House
383.0	Mountain Rd	DI01-342	1981-2	3103	8	I	P1938		House
390.0	Mountain Rd	DI01-343	1981-2	3202	5	I	P1938		House
287.0	Murray Av	SS20-018	1995-6	110	14		1928-1935		House
291.0	Murray Av	SS20-019	1995-6	110	15		1928-1935		House
292.0	Murray Av	SS20-002	1995-6, 02-3	112	14		1928-1935		House
294.0	Murray Av	SS20-003	1995-6, 02-3	112	13		1928-1935		House
300.0	Murray Av	SS20-004	1995-6, 02-3	112	12		1928-1935		House
303.0	Murray Av	SS20-020	1995-6, 02-3	110	16.01		1928-1935		House
307.0	Murray Av	SS20-021	1995-6, 02-3	110	18		1928-1935		House
311.0	Murray Av	SS20-022	1995-6, 02-3	110	19		1928-1935		House
312.0	Murray Av	SS20-007	1995-6, 02-3	112	9.02		1928-1935		House
313.0	Murray Av	SS20-023	1995-6, 02-3	110	20		1928-1935		House
316.0	Murray Av	SS20-008	1995-6, 02-3	112	8		1928-1935		House
317.0	Murray Av	SS20-024	1995-6, 02-3	110	21		1928-1935		House
320.0	Murray Av	SS20-009	1995-6, 02-3	112	7		1928-1935		House
321.0	Murray Av	SS20-025	1995-6, 02-3	110	22		1928-1935		House
325.0	Murray Av	SS20-026	1995-6, 02-3	110	23		1928-1935		House
326.0	Murray Av	SS20-011	1995-6, 02-3	112	5		1928-1935		House
330.0	Murray Av	SS20-012	1995-6, 02-3	112	4		1928-1935		House
333.0	Murray Av	SS20-028	1995-6, 02-3	110	25		1928-1935		House
334.0	Murray Av	SS20-013	1995-6, 02-3	112	3		1928-1935		House
336.0	Murray Av	SS20-014	1995-6, 02-3	112	2		1928-1935		House
340.0	Murray Av	SS20-015	1995-6, 02-3	112	1		1928-1935		House
341.0	Murray Av	SS20-029	1995-6, 02-3	110	26		1928-1935		House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
345.0	Murray Av	SS20-030	1995-6, 02-3	110	27		1928-1935		House
255.0	Oakwood Rd	0215-D1A	2002-3	1403	13	K	c1920		House
266.0	Oakwood Rd	0215-D1A	2002-3	1406	2	C	c1920		House
268.0	Oakwood Rd	0215-D1A	2002-3	1406	3	K	c1920		House
270.0	Oakwood Rd	0215-D1A	2002-3	1406	4	C	c1920		House
287.0	Oakwood Rd	0215-D1A	2002-3	1403	12	K	c1920		House
300.0	Oakwood Rd	IN00-119	1981-2	1406	9	M	1936-1938		House
315.0	Oakwood Rd	IN00-120	1981-2	1403	8	F	1936-1938		House
494.0	Orchard St	IN00-122	1981-2	704	8	M	1869		House
97.0	Palisade Av E	DI01-344	1981-2	1210	17	M	C1872		House
101.0	Palisade Av E	DI01-345	1981-2	1210	16	M	C1872		House
105.0	Palisade Av E	DI01-346	1981-2	1210	15	M	C1872		House
109.0	Palisade Av E	DI01-347	1981-2	1210	14.01-.06	I			House
170.0	Palisade Av E	DI01-351	1981-2	2702	2	M	1861-1867		House
284.0	Palisade Av E	DI01-352	1981-2	3102	1	M	C1907		House
293.0	Palisade Av E	DI01-353	1981-2	1602	13	M	C1890s		House
300.0	Palisade Av E	DI01-354	1981-2	3102	2	M	1912-1936		House
350.0	Palisade Av E	DI01-356	1981-2	3103	2.02	F	1917-1936		House
376.0	Palisade Av E	DI01-357	1981-2	3103	3	P	1861-1867		House
394.0	Palisade Av E	DI01-358	1981-2	3501	11	P	C1890		House
431.0	Palisade Av E	DI01-360	1981-2	1902	8	P	C1905		House
440.0	Palisade Av E	DI01-361	1981-2	3501	12	P	C1896		House
506.0	Palisade Av E	IN00-126	1981-2	3501	24	F			House
34.0	Palisade Av W	IN00-123	1981-2	2305	5	M	1921-1936		House
55.0	Palisade Av W	IN00-124	1981-2	610	19	M	1920-1930		House
76.0	Palisade Av W	IN00-125	1981-2	2304	2	M	1867-1876		House
91.0	Palisade Av W	SS12-001	1981-2	614	12		1920s		House
93.0	Palisade Av W	SS12-002	1981-2	614	13		1920s		House
95.0	Palisade Av W	SS12-003	1981-2	614	14		1920s		House
99.0	Palisade Av W	SS12-004	1981-2	614	15		1920s		House
147.0	Palisade Av W	0215-D3A	2002-3	613	14				House
182.0	Palisade Av W	SS19-016	1995-6	2301	12				House
67.0	Park Av	SS13-001	1981-2, 02-3	2308	40		1881-1899		House
69.0	Park Av	SS13-002	81-2-95-6-02-3	2308	39		1881-1899		House
73.0	Park Av	SS13-003	1981-2, 02-3	2308	38		1881-1899		House
76.0	Park Av	SS13-007	1995-6, 02-3	2019	11		1881-1899		House
77.0	Park Av	SS13-004	1981-2, 02-3	2308	37		1881-1899		House
78.0	Park Av	SS13-008	1995-6, 02-3	2019	12		1881-1899		House
82.0	Park Av	SS13-009	1995-6, 02-3	2019	13		1881-1899		House

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
83.0	Park Av	SS13-005	1981-2, 02-3	2308	36		1881-1899		House
87.0	Park Av	SS13-006	1981-2, 02-3	2308	35		1881-1899		House
89.0	Park Av	0215-S13a	2002-3	2308	34				House
90.0	Park Av	SS13-010	1995-6, 02-3	2019	14.01		1881-1899		House
93.0	Park Av	0215-S13a	2002-3	2308	33				House
94.0	Park Av	0215-S13a	2002-3	2019	15.01				House
98.0	Park Av	0215-S13a	2002-3	2019	16				House
99.0	Park Av	0215-S13a	2002-3	2308	32				House
101.0	Park Av	SS13-011	1995-6, 02-3	2308	31		1881-1899		House
108.0	Park Av	0215-S13a	2002-3	2104	23				House
109.0	Park Av	SS13-013	1995-6, 02-3	2308	29		1881-1899		House
112.0	Park Av	0215-S13a	2002-3	2104	24				House
115.0	Park Av	SS13-014	1995-6, 02-3	2308	28		1881-1899		House
118.0	Park Av	0215-S13a	2002-3	2104	25				House
120.0	Park Av	0215-S13a	2002-3	2104	26				House
121.0	Park Av	0215-S13a	2002-3	2308	27				House
126.0	Park Av	0215-S13a	2002-3	2104	27				House
127.0	Park Av	0215-S13a	2002-3	2308	26				House
128.0	Park Av	0215-S13a	2002-3	2104	28				House
129-31	Park Av	0215-S13a	2002-3	2308	25				House
130.0	Park Av	0215-S13a	2002-3	2104	29				House
133.0	Park Av	0215-S13a	2002-3	2308	24				House
136.0	Park Av	0215-S13a	2002-3	2104	30				House
137.0	Park Av	0215-S13a	2002-3	2308	22.01				House
138.0	Park Av	0215-S13a	2002-3	2104	31				House
145.0	Park Av	0215-S13a	2002-3	2308	21				House
21.0	Park Pl	IN00-017	1981-2	1203	8	P/E	C1907		House
159.0	Prospect St	IN00-128	1981-2	908	7	F	1867-1876		House
223.0	Prospect St	IN00-129	1981-2	902	7	M	18667-1876		House
112.0	Reade St	IN00-129A	1981-2	2017	7	M	C1920's		House
317.0	Robin Rd	0215-D3b	2002-3	2908	16				House
320.0	Robin Rd	0215-D3b	2002-3	2907	3				House
321.0	Robin Rd	0215-D3b	2002-3	2908	15				House
322.0	Robin Rd	0215-D3b	2002-3	2907	4				House
334.0	Robin Rd	0215-D3b	2002-3	2907	5.01				House
335.0	Robin Rd	0215-D3b	2002-3	2908	14				House
339.0	Robin Rd	0215-D3b	2002-3	2908	13				House
340.0	Robin Rd	0215-D3b	2002-3	2907	6				House
343.0	Robin Rd	0215-D3b	2002-3	2908	12				House

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
346.0	Robin Rd	0215-D3b	2002-3	2907	7				House
347.0	Robin Rd	0215-D3b	2002-3	2908	11				House
357.0	Robin Rd	0215-D3b	2002-3	2908	10				House
105.0	S Dean St	IN00-080	1981-2	2408	26	M	C1925		House
151.0	Sherwood Pl	DI01-362	1981-2	2704	16	M	1867-1876		House
156.0	Sherwood Pl	DI01-363	1981-2	2706	1	P	1877		House
165.0	Sherwood Pl	DI01-364	1981-2	2704	15	F	1891-1912		House
170.0	Sherwood Pl	DI01-365	1981-2	2706	2	M	C1890s		House
171.0	Sherwood Pl	DI01-366	1981-2	2704	14	F	1891-1912		House
177.0	Sherwood Pl	DI01-367	1981-2	2704	13	F	1891-1912		House
178.0	Sherwood Pl	DI01-368	1981-2	2706	3	F	1891-1912		House
184.0	Sherwood Pl	DI01-369	1981-2	2706	4	F	1891-1912		House
188.0	Sherwood Pl	DI01-371	1981-2	2706	5	P	1891-1912		House
194.0	Sherwood Pl	DI01-372	1981-2	2706	6	M	1891-1912		House
197.0	Sherwood Pl	DI01-373	1981-2	2704	11	P	1912-1936		House
202.0	Sherwood Pl	DI01-374	1981-2	2706	7	C	P1938		House
203.0	Sherwood Pl	DI01-375	1981-2	2704	10	I	P1938		House
220.0	Speer Av	0215-D1A	2002-3	1401	1	C	c1955		House
246.0	Speer Av	0215-D1A	2002-3	1401	2	N/C	c2000		House
256.0	Speer Av	0215-D1A	2002-3	1401	3	K	c1925		House
260.0	Speer Av	0215-D1A	2002-3	1401	4	C	c1925		House
308.0	Speer Av	IN00-130	1981-2	1402	1	M	1936-1938		House
63.0	Spring La	DI01-376	1981-2	1204	7	F	1898-1912		House
66.0	Spring La	DI01-377	1981-2	1209	2	F	1912-1936		House
67.0	Spring La	DI01-378	1981-2	1204	7	F	1898-1912		House
71.0	Spring La	DI01-379	1981-2	1204	8	M	C1903		House
76.0	Spring La	DI01-381	1981-2	1209	4	F	1898-1912		House
79.0	Spring La	DI01-382	1981-2	1204	9	F	C1910		House
82.0	Spring La	DI01-383	1981-2	1209	5	F	C1912		House
86.0	Spring La	DI01-384	1981-2	1209	6	F	1891-1912		House
350.0	Starling Rd	0215-D3b	2002-3	2906	23				House
358.0	Starling Rd	0215-D3b	2002-3	2906	24.02				House
15.0	Tenafly Rd	0215-D3A	2002-3	614	18				House
31.0	Tenafly Rd	0215-D3A	2002-3	609	17				House
35.0	Tenafly Rd	0215-D3A	2002-3	609	18				House
39.0	Tenafly Rd	0215-D3A	2002-3	609	19				House
40.0	Tenafly Rd	SS15-001	1981-2, 02-3	607	12		modern		House
43.0	Tenafly Rd	IN00-078	1981-2, 02-3	609	20				House
44.0	Tenafly Rd	SS15-002	1981-2, 02-3	607	11		1891-1912		House

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
47.0	Tenafly Rd	0215-D3A	2002-3	609	21				House
48.0	Tenafly Rd	SS15-003	1981-2, 02-3	607	10		1891-1912		House
51.0	Tenafly Rd	0215-D3A	2002-3	609	22				House
52.0	Tenafly Rd	SS15-004	1981-2, 02-3	607	9		1891-1912		House
56.0	Tenafly Rd	SS15-005	1981-2, 02-3	607	8		1891-1912		House
58.0	Tenafly Rd	0215-D3A	2002-3	607	7				House
61.0	Tenafly Rd	0215-D3A	2002-3	608	18				House
63.0	Tenafly Rd	0215-D3A	2002-3	608	19				House
68.0	Tenafly Rd	0215-D3A	2002-3	603	11				House
72.0	Tenafly Rd	SS15-006	1981-2, 02-3	603	10		1891-1912		House
76.0	Tenafly Rd	SS15-007	1981-2, 02-3	603	9		1891-1912		House
77.0	Tenafly Rd	0215-D3A	2002-3	608	20				House
80.0	Tenafly Rd	SS15-008	1981-2, 02-3	603	8		1891-1912		House
81.0	Tenafly Rd	0215-D3A	2002-3	608	21				House
89.0	Tenafly Rd	IN00-057	1981-2, 02-3	604	17	P/E	1861-1867		House
95.0	Tenafly Rd	IN00-131	1981-2, 02-3	604	18	M	1867-1876		House
116.0	Tenafly Rd	0215-D3A	2002-3	602	16				House
120.0	Tenafly Rd	0215-D3A	2002-3	602	15				House
124.0	Tenafly Rd	0215-D3A	2002-3	602	14				House
128.0	Tenafly Rd	0215-D3A	2002-3	602	13				House
132.0	Tenafly Rd	IN00-132	1981-2, 02-3	602	12	M	1913		House
136.0	Tenafly Rd	0215-D3A	2002-3	602	11				House
144.0	Tenafly Rd	0215-D3A	2002-3	601	22				House
146.0	Tenafly Rd	0215-D3A	2002-3	601	21				House
152.0	Tenafly Rd	0215-D3A	2002-3	601	20				House
156.0	Tenafly Rd	0215-D3A	2002-3	601	19				House
160.0	Tenafly Rd	0215-D3A	2002-3	601	18				House
188.0	Tenafly Rd	IN00-132A	1981-2	509	17	F	C1915		House
223.0	Tenafly Rd	IN00-059	1981-2	901	17	P/E	C1800-1815		House
234.0	Tenafly Rd	IN00-133	1981-2	508	16	M	C1905-1910		House
303.0	Tenafly Rd	IN00-060A	1981-2	803	21	P/E			House
486.0	Tenafly Rd	IN00-061	1981-2	406	11	P/E	1818		House
469.0	Valley Pl	DI04-001	1981-2	708	16	F	1895-1900		House
472.0	Valley Pl	DI04-002	1981-2	707	7	F	1895-1900		House
474.0	Valley Pl	DI04-003	1981-2	707	6	F	19001-1910		House
475.0	Valley Pl	DI04-004	1981-2	708	17.01	M	1885-1895		House
479.0	Valley Pl	DI04-005	1981-2	708	18	M	1890-1900		House
480.0	Valley Pl	DI04-006	1981-2	707	5	F	1890-1900		House
484.0	Valley Pl	DI04-007	1981-2	707	4	M	1890-1900		House

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
30.0	Van Brunt St N	SS16-003	1981-2	610	4.01				House
155.0	Waldo Pl	IN00-135	1981-2	909	38	M	1876-1912		House
218.0	Waldo Pl	IN00-136	1981-2, 02-3	902	6	M	1867-1876		House
222.0	Waldo Pl	0215-S16a	2002-3	902	5				House
226.0	Waldo Pl	0215-S16a	2002-3	902	4				House
229.0	Waldo Pl	0215-S16a	2002-3	903	17.02				House
231.0	Waldo Pl	0215-S16a	2002-3	903	18				House
232.0	Waldo Pl	0215-S16a	2002-3	902	3				House
234.0	Waldo Pl	IN00-137	1981-2, 02-3	902	2	F	1867-1876		House
243.0	Waldo Pl	0215-S16a	2002-3	806	20				House
247.0	Waldo Pl	0215-S16a	2002-3	806	19				House
252.0	Waldo Pl	0215-S16a	2002-3	807	13				House
253.0	Waldo Pl	0215-S16a	2002-3	806	18				House
257.0	Waldo Pl	0215-S16a	2002-3	806	17				House
261.0	Waldo Pl	0215-S16a	2002-3	806	16				House
59.0	Walnut Ct	DI01-386	1981-2	1601	10	P	C1860		House
116.0	Walnut St	DI01-387	1981-2	1210	1	F	1912-1936		House
127.0	Walnut St	DI01-388	1981-2	1205	12	M	1912-1936		House
130.0	Walnut St	DI01-389	1981-2	1210	2	C	P1938		House
135.0	Walnut St	DI01-390	1981-2	1205	11	F	1912-1936		House
140.0	Walnut St	DI01-391	1981-2	1210	3	C	P1938		House
144.0	Walnut St	DI01-392	1981-2	1210	4	F	PRE1912		House
145.0	Walnut St	DI01-393	1981-2	1205	10	C	P1938		House
154.0	Walnut St	DI01-394	1981-2	1210	5	C	1936-1938		House
155.0	Walnut St	DI01-395	1981-2	1205	9	F	1912-1936		House
161.0	Walnut St	DI01-396	1981-2	1205	8	F	1891-1912		House
203.0	Walnut St	DI01-397	1981-2	1503	13	C	P1938		House
206.0	Walnut St	DI01-398	1981-2	1601	2	C	P1938		House
214.0	Walnut St	DI01-399	1981-2	1601	3	C	P1938		House
219.0	Walnut St	DI01-400	1981-2	1503	12	M	1891-1912		House
227.0	Walnut St	DI01-401	1981-2	1503	11	U	1819-1912		House
230.0	Walnut St	DI01-402	1981-2	1601	14	C	P1945		House
235.0	Walnut St	DI01-403	1981-2	1503	10	F	1912-1936		House
245.0	Walnut St	DI01-404	1981-2	1503	9	F	1012-1936		House
250.0	Walnut St	DI01-405	1981-2	1601	15	F	1900-1909		House
255.0	Walnut St	DI01-406	1981-2	1503	8	M	1891-1912		House
277.0	Walnut St	DI01-407	1981-2	1504	10	P	C1915		House
300.0	Walnut St	DI01-408	1981-2	1602	1	M	1891-1912		House
310.0	Walnut St	DI01-409	1981-2	1602	2	F	1936-1938		House

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
311.0	Walnut St	DI01-410	1981-2	1504	9	M	C1907		House
320.0	Walnut St	DI01-411	1981-2	1602	3	M	C1908		House
325.0	Walnut St	DI01-412	1981-2	1504	8	P	C1890's		House
345.0	Walnut St	DI01-413	1981-2	1808	22	P	C1909		House
373.0	Walnut St	DI01-414	1981-2	1808	21	F	1891-1912		House
377.0	Walnut St	DI01-415	1981-2	1808	20	P	C1910		House
378.0	Walnut St	DI01-416	1981-2	1901	1	F	1912-1936		House
386.0	Walnut St	DI01-417	1981-2	1901	2	M	C1920's		House
396.0	Walnut St	DI01-418	1981-2	1901	3	F	C1920's		House
401.0	Walnut St	DI01-419	1981-2	1602	1	M	C1920		House
121.0	Walton St	IN00-139	1981-2	2914	35	M	C1850-1870		House
179.0	Walton St	IN00-140	1981-2	2914	21	M	1867-1876		House
125.0	West End Av	0215-D3A	2002-3	603	12				House
135.0	Winthrop Pl	DI01-421	1981-2	1106	10	P	C1861		House
136.0	Winthrop Pl	DI01-422	1981-2	1105	10	F	1891-1912		House
140.0	Winthrop Pl	DI01-423	1981-2	1105	9	C	1836-1938		House
150.0	Winthrop Pl	DI01-424	1981-2	1105	8	M	1867-1876		House
157.0	Winthrop Pl	DI01-425	1981-2	1106	12	F	1891-1912		House
164.0	Winthrop Pl	DI01-426	1981-2	1105	7	M	1891-1912		House
165.0	Winthrop Pl	DI01-427	1981-2	1106	13	F	1891-1912		House
166.0	Winthrop Pl	DI01-426A	1981-2	1105	6	U			House
50.0	Woodland N	DI01-430	1981-2	1901	7	M	PRE1867		House
62.0	Woodland N	DI01-431	1981-2	1901	6	F	1891-1912		House
71.0	Woodland N	DI01-432	1981-2	1902	3	F			House
76.0	Woodland N	DI01-433	1981-2	1901	5	M	C1880		House
80.0	Woodland N	DI01-434	1981-2	1901	4	M	C1924-1925		House
101.0	Woodland N	DI01-436	1981-2	1902	1	M	C1920		House
104.0	Woodland N	DI01-437	1981-2	1808	18	M	C1907		House
140.0	Woodland N	DI01-438	1981-2	1808	17	C	P1945		House
245.0	Woodland N	0215-D1A	2002-3	1804	1	C	c1975		House
257.0	Woodland N	0215-D1A	2002-3	1803	4	C	c1915		House
280.0	Woodland N	0215-D1A	2002-3	1801	6.03	C	c1925		House
40.0	Woodland S	DI01-441	1981-2	3501	10	F	C1910		House
48.0	Woodland S	DI01-442	1981-2	3103	5	C	P1938		House
62.0	Woodland S	DI01-444	1981-2	3103	6	F	C1900		House
80.0	Woodland S	DI01-445	1981-2	3103	7	I	P1945		House
90.0	Woodland S	DI01-447	1981-2	3202	6	C	P1945		House
95.0	Woodland S	DI01-448	1981-2	3501	7	F	1896-1912		House
100.0	Woodland S	DI01-449	1981-2	3202	7	C	P1938		House

Table 2
Municipal Cultural Resources
City of Englewood
Englewood Environmental Commission

Street No.	Street Name	Site #	Yr Survey	Block	Lot	Rating	Yr Built	Notes	Category
107.0	Woodland S	DI01-450	1981-2	3501	6	M	PRE1876		House
117.0	Woodland S	DI01-451	1981-2	3501	5.01	F	1880-1899		House
131.0	Woodland S	DI01-453	1981-2	3501	4	P	C1927		House
140.0	Woodland S	DI01-454	1981-2	3202	9.03	P	C1915		House
161.0	Woodland S	DI01-455	1981-2	3501	3	M	1912-1936		House
180.0	Woodland S	DI01-456	1981-2	3205	2.02	M	1912-1936		House
181.0	Woodland S	DI01-457	1981-2	3501	2	P	1912-1936		House
191.0	Woodland S	DI01-458	1981-2	3501	1	M	1912-1936		House

Table 3
Known Contaminated Site List
City of Englewood
Englewood Environmental Commission

Site ID	Site Name	ADDRESS	MUNIC	Lead	Status
12238	BP SERVICE STATION 1573	57 RT 4 W	Englewood City	BUST	Active
12207	EXXON R/S 35165	484 RT 4 E	Englewood City	BUST	Active
12199	GULF 121299	475 RTE 4 W	Englewood City	BUST	Active
83333	549 CUMBERLAND STREET	549 CUMBERLAND ST	Englewood City	CEHA	Active
85259	488 CUMBERLAND ST	488 CUMBERLAND ST	Englewood City	CEHA	Active
12249	LUKOIL #57295	501 GRAND AVE	Englewood City	BUST	Active
12248	J&L TOWING COMPANY INC	489 GRAND AVE	Englewood City	BUST	Active
121245	RUSHTON INDUSTRIES	165 CEDAR LN	Englewood City	BFO-N	NFA-E (Restricted Use)
12247	476 GRAND LLC	476 GRAND AVE & ROCKWOOD	Englewood City	BUST	Active
44533	GRAPHIC SCANNING CORP	99 SHEFIELD AVE	Englewood City	BUST	Pending
14384	ROYAL GLASS CORP	500 NORDHOFF PL	Englewood City	BUST	Active
54511	DELRO IND	128 W SHEFFIELD AVE	Englewood City	BUST	Active
12229	GOODRICH CORP	30 VAN NOSTRAND AVE	Englewood City	BISR	Active
12212	BP SERVICE STATION ENGLEWOOD	70 E STATE RT 4	Englewood City	BUST	Active
63936	DENALI SER CTR	80 RT 4 E	Englewood City	BUST	Active
12216	LUKOIL #57308	101 RTE 4	Englewood City	BUST	Active
46940	TEXACO SERVICE STATION	RTE 4 W	Englewood City	BUST	Active
12198	SUNOCO 0006-6514	100 RT 4 SB	Englewood City	BUST	Active
12208	EXXON STORE 3-2025	120 E RT 4	Englewood City	BUST	Active
12209	GETTY 56852	134 RTE 4 E	Englewood City	BUST	Active
12205	SUNOCO 0006-6522	137 RTE 4 N	Englewood City	BUST	Active
14942	WESTBURY PRESS INC	1 W FOREST AVE	Englewood City	BISR	Active
56968	HOME FUEL OIL CO	27 FOREST AVE	Englewood City	BFO-N	Active
24972	MEYER LABEL CO INC	150 COLLIDGE AVE	Englewood City	BISR	Active
27485	ARROW METAL STAMPING INC	151 COOLIDGE AVE	Englewood City	UNK SO	Pending
27521	PHILMONT MANUFACTURING CO	250 S VAN BRUNT ST	Englewood City	BFO-N	Active
12231	TARANTO BUS CORP	170 S DEAN ST	Englewood City	BUST	Active
12210	KAR KRAFT	188 FOREST AVE	Englewood City	BFO-N	Active
63818	DEPARTMENT OF PUBLIC WORKS	175 S VAN BRUNT ST	Englewood City	BUST	Active

Table 3
Known Contaminated Site List
City of Englewood
Englewood Environmental Commission

Site ID	Site Name	ADDRESS	MUNIC	Lead	Status
85237	APPLE AIR COMPRESSOR CORPORATION	162 TO 168 VAN BRUNT ST S	Englewood City	BISR	Active
12203	ADMIRATION FOODS	80 DEAN ST S	Englewood City	BUST	Pending
52916	DWIGHT MANOR ENGLEWOOD CONDO ASC	100 PALISADE AVE E	Englewood City	BUST	Active
44785	ENGLEWOOD POLICE DEPARTMENT	73 S VAN BRUNT ST	Englewood City	BUST	Active
85274	86 SPRING LN	86 SPRING LN	Englewood City	CEHA	Active
187512	26 WEST PALISADE AVENUE	26 W PALISADE AVE	Englewood City	BFO-N	MOA Terminated
178050	28 30 PALISADES AVENUE	28 30 W PALISADES AVE	Englewood City	BFO-N	MOA Terminated
46956	ENGLEWOOD FIRE DEPARTMENT	13 WILLIAM ST	Englewood City	BUST	Active
65565	POINT OF PURCHASE ADVERTISING INSTITUTE	66 VAN BRUNT ST	Englewood City	BUST	Active
65438	18 ARMORY STREET	18 ARMORY ST	Englewood City	BFO-N	Active
83367	JAMES ST PARKING LOT	JAMES ST	Englewood City	BUST	Active
64330	TREECO PALISADES PROPERTY	38 WEST ST	Englewood City	BFO-N	Pending
12265	LUKOIL #57262	9 BENNETT RD	Englewood City	BOMM	Active
12243	SHELL SERVICE STATION	105 N DEAN ST & DEMAREST AVE	Englewood City	BUST	Active
64550	PALISADES COURTS	2 NATHANIEL PL	Englewood City	BFO-N	Active
219179	271 WEST ENGLEWOOD AVENUE	271 W ENGLEWOOD AVE	Englewood City	BFO-N	Active
12237	EXXON R/S 32245	11 DEMAREST AVE E	Englewood City	BUST	Active
12200	ENGLEWOOD SERVICE STATION	9 DEMAREST AVE E	Englewood City	BUST	Active
85018	ENGLEWOOD GAS WORKS	186 ENGLE ST & NORTH DEAN ST	Englewood City	BCM	Active
356148	165 WEST STREET	165 WEST ST	Englewood City	BFO-N	Active
53651	PRESTIGE INFINITY	227 N DEAN ST	Englewood City	BOMM	NFA-A (Restricted Use)
53314	KNICKERBOCKER HILLS CONDO	KNICKERBOCKER RD & CENTRAL AVE	Englewood City	BFO-N	Active
47773	ENGLEWOOD MIDDLE SCHOOL -JEDMS	LIBERTY RD & TRYON AV	Englewood City	BFO-N	Active
64230	MILLERS POND	KNICKERBOCKER RD	Englewood City	BFO-N	Pending
46557	HIGHWOOD AUTO 5114	26 W HUDSON AVE	Englewood City	RPIU	Pending

GIS MAPS