

# West Dover Connector (Saulsbury Road Extension)

## Working Group

Meeting No. 2

Modern Maturity Center

July 14, 2004



# Working Group Members

Robert “Dick” Bewick  
*Woodbrook Resident*

Brian Belcher  
*Crossgates/Mayfair Resident*

James Brown  
*Mayor, Wyoming*

Gerald Buckworth  
*34th Representative District*

Steven Cain  
*President, Crossgates/Mayfair  
Homeowner’s Association*

Zachery Carter  
*Director, Dover Parks and  
Recreation*

Gloria Chapel  
*Lincoln Park Resident*

Claudio Consuerga  
*Dover First Seventh-Day  
Adventist Church*

Jane Edwards  
*Kesselring Property  
(East of New Burton Road)*

Colin Faulkner  
*Director, Kent County  
Department of Public Safety*

James Galvin  
*Director, Dover Planning  
And Inspections*

Darren Harmon  
*Kraft Foods*

Connie Holland  
*Director, Office of State Planning  
Coordination*

James Hutchison  
*Executive Director, Central  
Delaware Chamber of Commerce*

Frank King  
*President, Wyoming Mills  
Homeowner’s Association*

Rob McCleary  
*DeIDOT Representative*

Milton Melendez  
*Department of Agriculture*

Robert Mooney  
*Mayor, Town of Camden*

Jack Papan  
*Farmer, Major Property Owner*

Michael Petit de Mange  
*Director of Planning Services, Kent County*

Ann Rider  
*Crossgates/Mayfair Resident*

Eugene Ruane  
*Dover City Councilman - 2<sup>nd</sup> District*

Robert Sadusky, Sr.  
*Dover City Councilman – 2<sup>nd</sup> District*

Reuben Salters.  
*Dover City Councilman – 4<sup>th</sup> District*

# Working Group Members

Deb Scheller  
*Eden Hill Farm*

Ali Stark  
*Sherwood Resident*

Nancy Wagner  
*31st Representative District*

Janice Sibbald  
*Crossgates/Mayfair Resident*

John Still  
*17th Senatorial District*

Craig Wearden  
*Principal,  
W. Reiley Brown Elementary School*

Sammy Smith  
*Rodney Village Resident*

Donna Stone  
*32nd Representative District*

John Whitby  
*Kent County Motor Sales Company*

Carl Solberg  
*Director, Kent County  
Parks and Recreation*

Donald Sylvester  
*President, Rodney Village  
Homeowner's Association*

Juanita Wieczorek  
*Executive Director,  
Dover/Kent County MPO*

Steve Speed  
*Mayor, City of Dover*

Doris Kesselring Taylor  
*Kesselring Property  
(West of New Burton Road)*

# Agenda

Dinner

Welcome and Opening Remarks

Working Group Guidelines

Draft Project Goals and Objectives

Environmental Consultation & Environmental  
Features

Engineering Features

Questions and Discussion

Breakout Teams – Work Session on  
Ideas for Alternatives

Breakout Team Reports

Next Steps

Next Meeting Date and Agenda

Adjourn

Carolann Wicks/Jay Kelley

Bob Kramer

Bob Kramer

Leslie Roche

Chris Fronheiser

Working Group

Breakout Teams

Breakout Team Facilitators

Jay Kelley

Bob Kramer

# Project Notebook

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- Tab 1 – PowerPoint Slides
- Tab 2 – Working Group Meeting No. 1 Summary
- Tab 3 – Proposed Capital Transportation Program Information for Kent County and Map

# Follow-Up From 1<sup>st</sup> Working Group Meeting

- Study Area Limits

The team is not considering expanding the study area at present. Any refinement of the study area will occur once alternatives are developed & analyzed, based on the probable impact areas of those alternatives. Thus, at that time we will consider the need to adjust the study area to encompass all potentially affected areas & intersections.

- Data Request

- Capital Transportation Program Information

# Working Group Guidelines

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- **How We Treat Each Other**
- **How We Make Recommendations**
- **How We Communicate with Those Outside The Working Group**

# Working Group Guidelines

- **How We Treat Each Other**

- Each member has an equal right to speak and ask questions. There are no “dumb questions.”
- Each member is encouraged to share individual viewpoints. Individual opinions are valid whether others agree with them or not.
- We will listen to, respect, and seek to understand the views of others, particularly those perspectives that differ from our own.
- Disagreements will be explored not suppressed. In some instances, however, disagreements may be discussed outside of meetings so that we are not distracted from achieving the purpose of the meetings.
- We will be courteous when addressing the other members, staff and consultants.
- We will refrain from interrupting each other, staff or consultants.
- We will keep our comments relevant to the topic under discussion.
- Draft materials, plans, and reports shared by and among members, staff and consultants shall be treated as working papers.

# Working Group Guidelines

- **How We Make Recommendations**

- The Working Group will operate by consensus whenever possible. Consensus does not necessarily mean agreement or active support by each member. Those not objecting are not necessarily indicating that they favor the proposal under consideration, but merely that they can “live with it.”
- In the absence of consensus, a super majority of three-quarters (75%) of the members present is required for approval of an action.
- The facilitator will seek the sense of the Working Group on an issue/action. If there is not unanimity and if a clear super majority does not exist, written ballots will be used.
- Members may designate an alternate to attend and participate in discussions in his or her absence. Alternates may vote in absence of the member, except on the vote to adopt final recommendations.
- The vote to adopt final recommendations will be by super majority. Only members can vote and written “absentee” ballots will be accepted.
- Non-members shall attend meetings as observers and may be invited to offer comments if time allows.

# Working Group Guidelines

- **How We Communicate with Those Outside the Working Group**
  - Ideas discussed within the Working Group should not be presented as representing the position of the group without the agreement of the group.
  - When speaking about the work of the Working Group outside of meetings, members are speaking for themselves only unless speaking from approved documents or positions of the Working Group.
  - Draft materials, plans, and reports shared by and among members, staff, and consultants shall be treated as working papers.

# Draft Goals and Objectives

- Goals and Objectives ? Guide for Developing and Evaluating Alternatives
- Draft Goals and Objectives Considered:
  - Results of Listening Tour and Public Workshop
  - Comprehensive Plans of:
    - City of Dover
    - Town of Wyoming
    - Town of Camden
    - Kent County
  - Long-Range Transportation Plans of:
    - Dover/Kent County MPO
    - State of Delaware Department of Transportation
  - Delaware's Strategies for State Policies and Spending
  - Livable Delaware Initiatives

# Draft Goals

- Improve the transportation system on the west side of the City of Dover to better accommodate north-south travel movements by developing and evaluating alternatives to connect Saulsbury Road with New Burton Road and possibly US Route 13.
- Balance the need to improve transportation with the need to protect environmental and community resources and accommodate planned growth.

# Draft Objectives

- **Mobility/Congestion/Access**

- Provide improved travel options on the west side of the City of Dover for north-south travel for residents and businesses in surrounding communities and neighborhoods
- Reduce existing and future north-south traffic congestion on the west side of Dover by providing additional capacity, where needed
- Improve travel options for motor vehicle, pedestrian, transit, and bicycle access across Norfolk Southern Railroad
- Enhance mobility to accommodate forecasted traffic growth due to current and future land development
- Improve connections between neighborhoods, parks and businesses
- Reduce the attractiveness of cutting through neighborhoods (through traffic)
- Discourage heavy vehicle through movements on local streets

- **Safety**

- Maintain safety for all travelers, including pedestrians, bicyclists, vehicle drivers and transit riders
- Improve accessibility of emergency services

# Draft Objectives

- **Land Use Planning, Economic Growth & Development**
  - Accommodate planned growth and the resulting traffic
  - Support economic growth and development
  - Maximize the compatibility of proposed transportation improvements with the comprehensive plans of Dover, Wyoming, Camden and Kent County
  - Ensure that proposed transportation improvements are consistent with the State Strategies for Policies and Spending and other *Livable Delaware* initiatives
- **Environment**
  - Avoid adverse affects to farmland, historic, archaeological, and natural resources
  - Develop minimization and mitigation measures where avoidance is not feasible
  - Minimize adverse impacts on existing neighborhoods and communities
  - Comply with federal and state agency environmental and historic resource regulations and requirements
  - Protect against flooding

# Draft Objectives

- **Aesthetics**

- Protect against adverse visual, light and noise impacts to neighborhoods, communities, parks, schools and businesses
- Develop transportation improvements that reflect the character of the study area and that employ a full range of aesthetic options

- **Public Outreach**

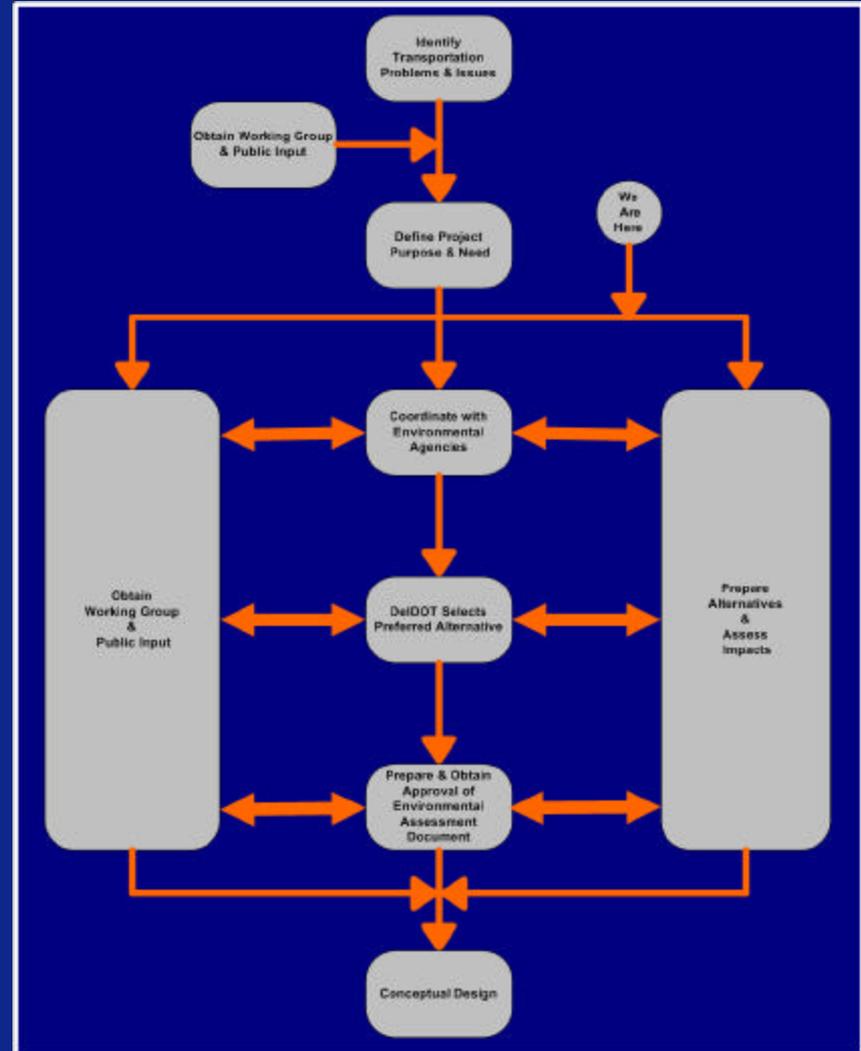
- Provide a variety of forums to solicit broad public participation from a wide variety of perspectives as input into DelDOT's decision-making process (stakeholder interviews, public workshops, meetings with communities, businesses, and interest groups, newspaper articles, a project website and other appropriate outreach techniques)
- Ensure that opportunities for public input are widely communicated
- Provide the opportunity for soliciting, recording, and reviewing public comments at all public workshops and throughout the process
- Secure stakeholder input regarding problems, concerns, community values and possible solutions before developing engineering alternatives to foster a context sensitive solutions approach to transportation improvements
- Establish consensus regarding the best way to extend Saulsbury Road to connect with New Burton Road and possibly US Route 13

# Environmental Consultation

## Where We Are Now

- Environmental screening
- Working Group input
- Public input
- Environmental agency input

➔ Alternative ideas



# Environmental Consultation

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## Screening Goals

- Identify existing environmental issues
- Develop and shape the alternatives
- Avoid or minimize adverse impacts to the natural and built environments

# Environmental Consultation

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## Screening Process

- Data collection
- Environmental inventory mapping
- Alternatives screening



**ENVIRONMENTAL  
SCREENING  
STUDY AREA MAP**



May, 2004

**LEGEND**

-  Environmental Study Area
-  Parklands & Open Spaces
-  Hydrology
-  Schools

**Sources:**

**Base Map**  
Delaware Department of Transportation, 2002  
Created from Digital Orthophoto Quarter Quads

**Map Layers**  
The Delaware Geographic Data Committee

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Map prepared by: **DMJM HARRIS**

# Environmental Consultation

## Data Collection

### Environmental Agencies Contacted:

- U.S. Environmental Protection Agency
- National Marine Fisheries Service
- U.S. Fish and Wildlife Service
- U.S. Army Corps of Engineers
- Kent County
- Kent County Conservation District
- City of Dover
- Town of Camden
- Town of Wyoming
- Delaware Geological Survey
- Delaware Natural Heritage Program
- Delaware Department of Agriculture
- Delaware Dept. of Natural Resources & Environmental Control
  - Air and Waste Management
  - Fish and Wildlife
  - Parks and Recreation
  - Soil and Water Conservation
  - Water Resources
- Delaware State Historic Preservation Office

# Environmental Features

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## Environmental Inventory Data

### *Natural Environment*

- Waterways
- Wetlands
- Floodplains
- Rare, threatened and endangered species
- Soils



## ENVIRONMENTAL SCREENING WATERWAYS, WETLANDS AND FLOODPLAINS



May, 2004

### LEGEND

-  Hydrology
-  Wetlands
-  Floodplains
-  Study Area
-  Waterways

#### Sources:

Base Map

Delaware Department of Transportation, 2002  
Created from Digital Orthophoto Quarter Quads

Map Layers

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Map prepared by: **DMJM HARRIS**

# Environmental Features

## Environmental Inventory Data

- **Waterways (St. Jones River)**
  - Puncheon Run
  - Isaac Branch
- **Wetlands**
  - Freshwater
  - Protected by the US Army Corps of Engineers under Section 404 of the Clean Water Act.
- **Floodplains**
  - 100-Year: a flood that has a 1% chance of being equaled or exceeded in any given year.
  - Protected by federal agencies and DNREC to provide flood management.

# Environmental Features

## Environmental Inventory Data

- Rare, threatened and endangered species
  - Red-headed woodpecker (State-listed Endangered bird)
  - Black vulture (rare bird)
  - Ironcolor shiner (rare fish)
  - Mud sunfish (rare fish)
  - No federally listed species
- Soils (USDA special designations for food production)
  - Prime Farmlands (90%)
  - Statewide Importance (5%)

# Environmental Features

## *Built Environment*

- Community facilities (schools, libraries, parks, fire/EMS stations, police stations, hospitals)
- Planning information
- Land use
- Community Characterization
- Parklands
- Agricultural Preservation Districts
- Public Wells and Recharge Areas
- Cultural resources
- Sites of contamination concern
- Air Quality



## EXISTING COMMUNITY FACILITIES



May, 2004

### LEGEND

-  Environmental Study Area
-  Parklands & Open Spaces
-  Hydrology
-  Schools
-  Fire Station
-  Police
-  Hospital
-  Library

#### Sources:

##### Base Map

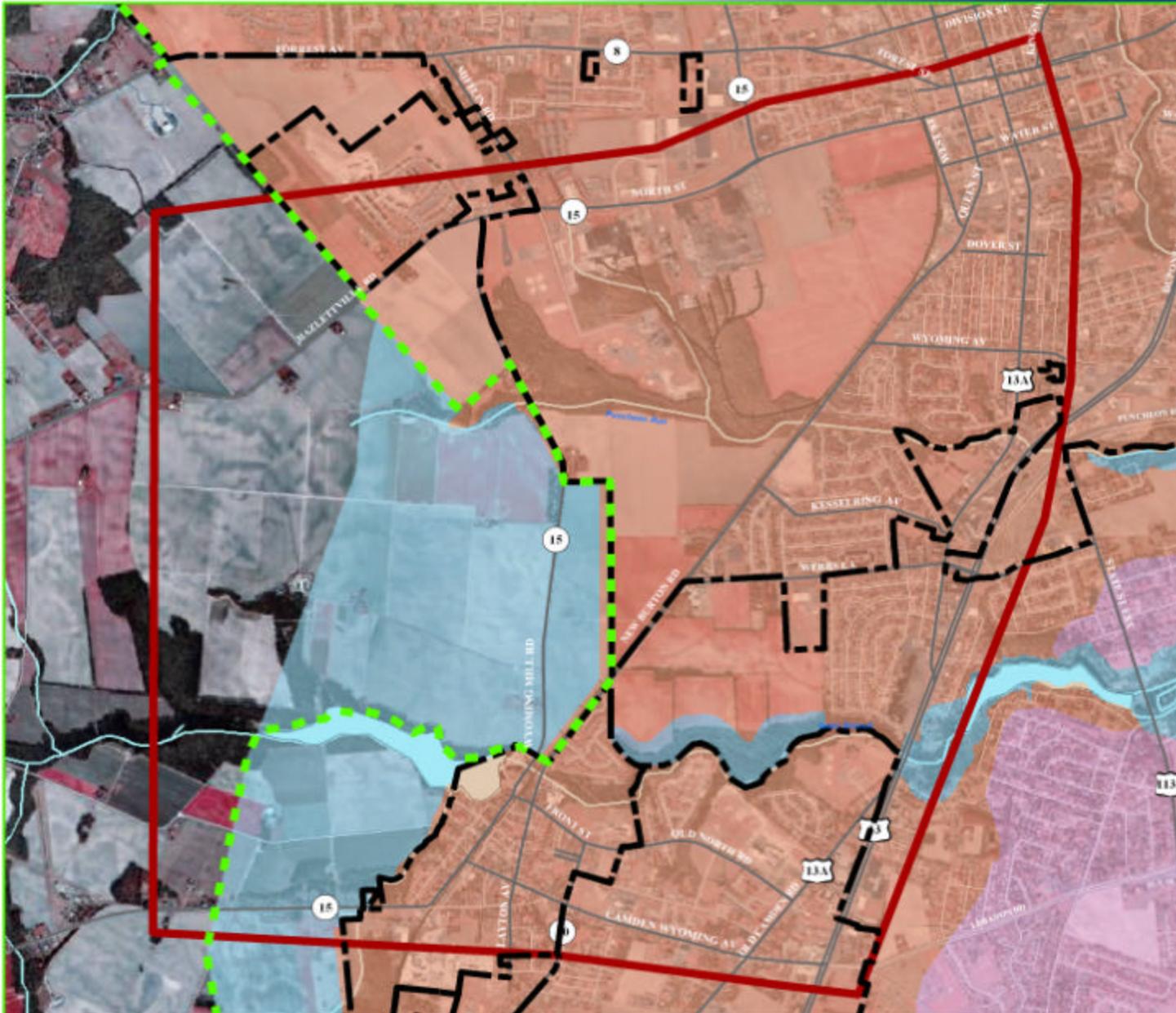
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##### Map Layers

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Map prepared by: **DMJMEHARRIS**



**ENVIRONMENTAL  
SCREENING  
PLANNING  
INFORMATION  
MAP**



June, 2004

**LEGEND**

**Delaware's Strategies for  
Policy and Spending**

-  Community
-  Developing Area
-  Rural
-  Secondary
-  Environmental Study Area
-  Municipal Boundaries
-  Kent County Growth Area
-  Hydrology

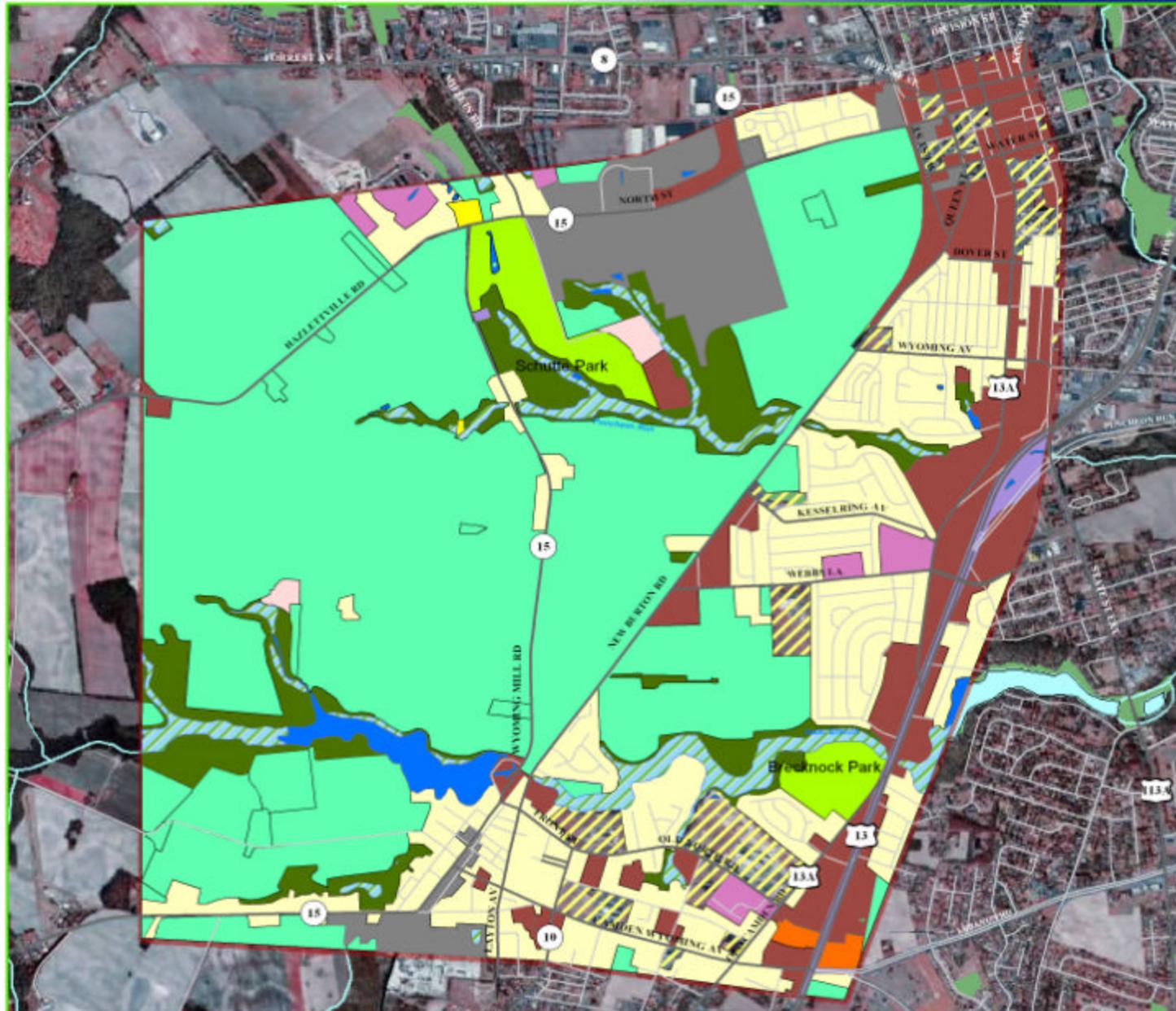
**Sources:**

Base Map  
Delaware Department of Transportation, 2002  
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Map Layers  
The Delaware Geographic Data Committee  
Delaware Office of State Planning Coordination  
DNREC, Division of Parks and Recreation

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Map prepared by: **DMJMEHARRIS**



**ENVIRONMENTAL  
SCREENING  
2002 LAND USE  
LAND COVER MAP**



June, 2004

**LEGEND**

**Land Use**

- Water
- Forest
- Agricultural
- Wetlands
- Mobile Home Parks
- Multi-Family Dwellings
- Single Family Dwellings
- Industrial
- Institutional/Governmental
- Other Commercial
- Built-Up Land
- Transportation/ Communication
- Utilities
- Recreational
- Env. Study Area

**Sources:**

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**Map Layers**

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Map prepared by: **DMJMEHARRIS**

# Environmental Features

## *Built Environment*

- Land use
  - Residential and developed east of New Burton Road
  - Rural and industrial west of New Burton Road
  - Parklands (Schutte, Brecknock, and pocket parks)
  - Natural areas along streams (forests)

# Environmental Features

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## *Built Environment*

- Community Characterization
  - Who makes up our community?
  - How does our community function?
  - How are all of our interests taken into consideration?

Geographic Unit	Percent Minority
Delaware	28%
Kent County	28%
City of Dover	47%
Town of Camden	25%
Town of Wyoming	22%

## Environmental Justice Minority Population



May, 2004

### LEGEND

**Percentage Minority**

- Less than 28%
- 28% - 50%
- 50% - 75%
- 75% - 100%

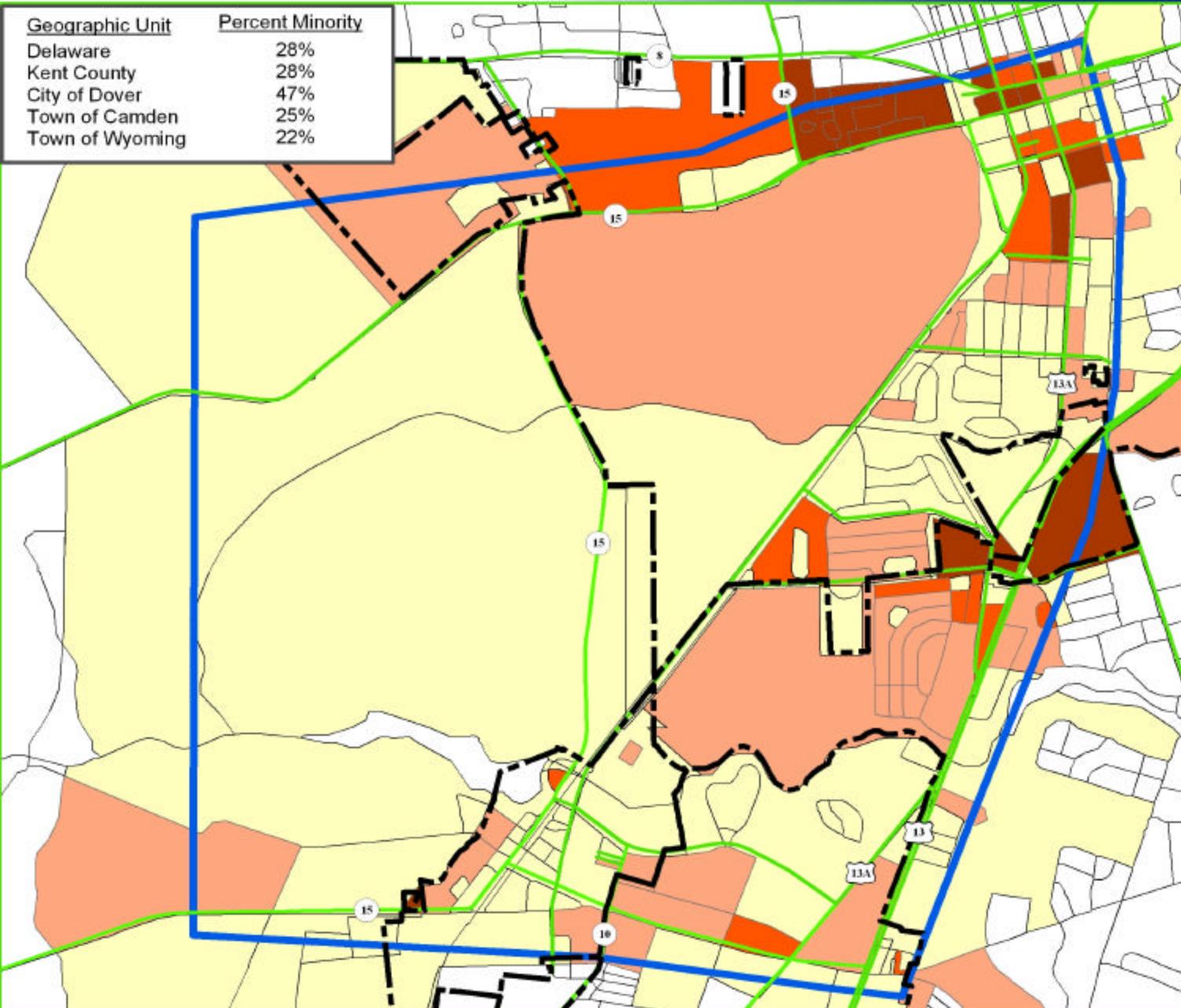
Env. Study Area

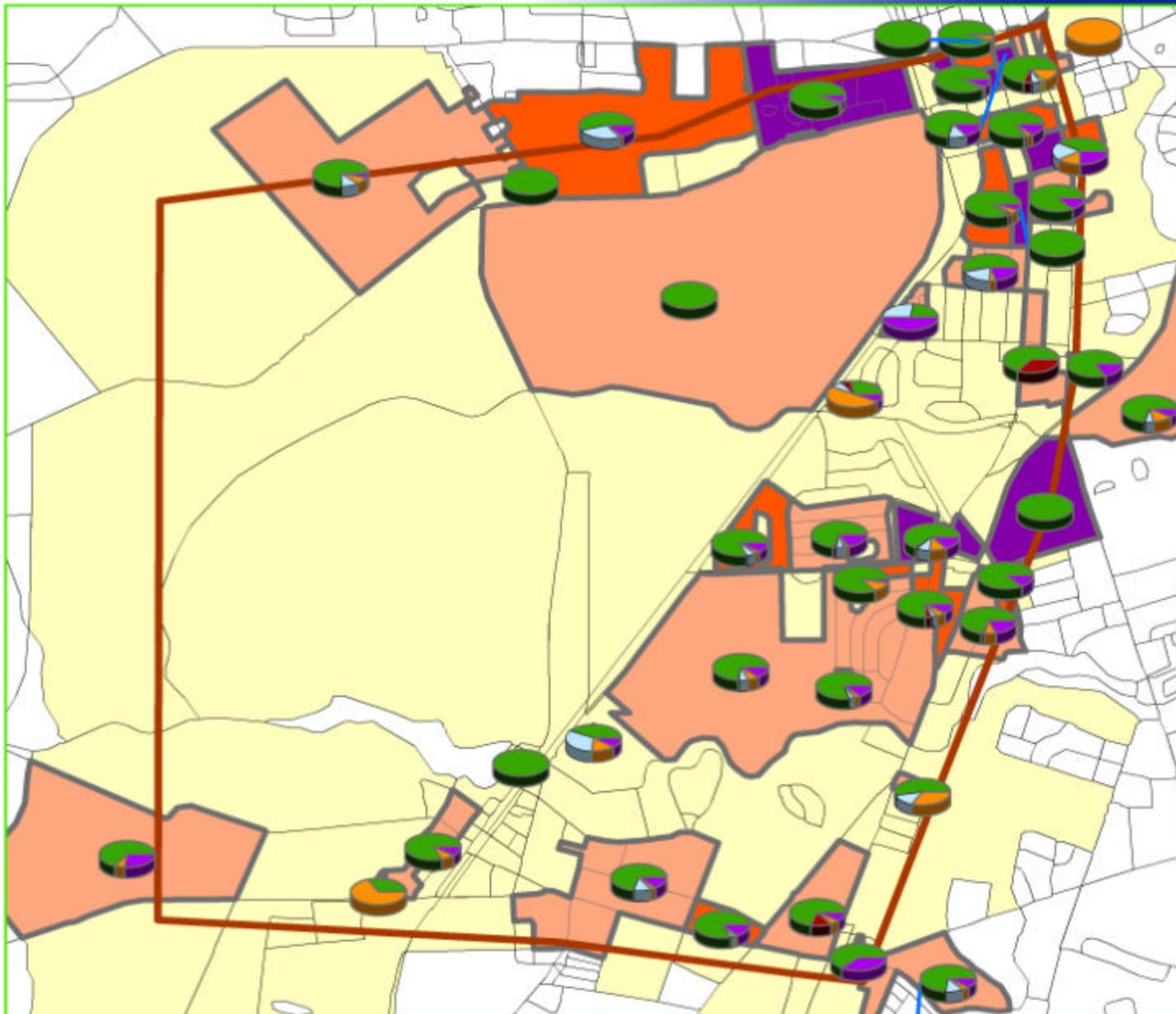
Municipal Boundaries

**Sources:**  
 Map Layers  
 The 2000 Census

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Map prepared by: **DMJM HARRIS**





## Environmental Justice Minority Population



May, 2004

### LEGEND

Env. Study Area

**Percentage Minority**

Less than 28%

28% - 50%

50% - 75%

75% - 100%



African American

American Indian

Asian

Pacific Islander

Other Race

Two or More Races

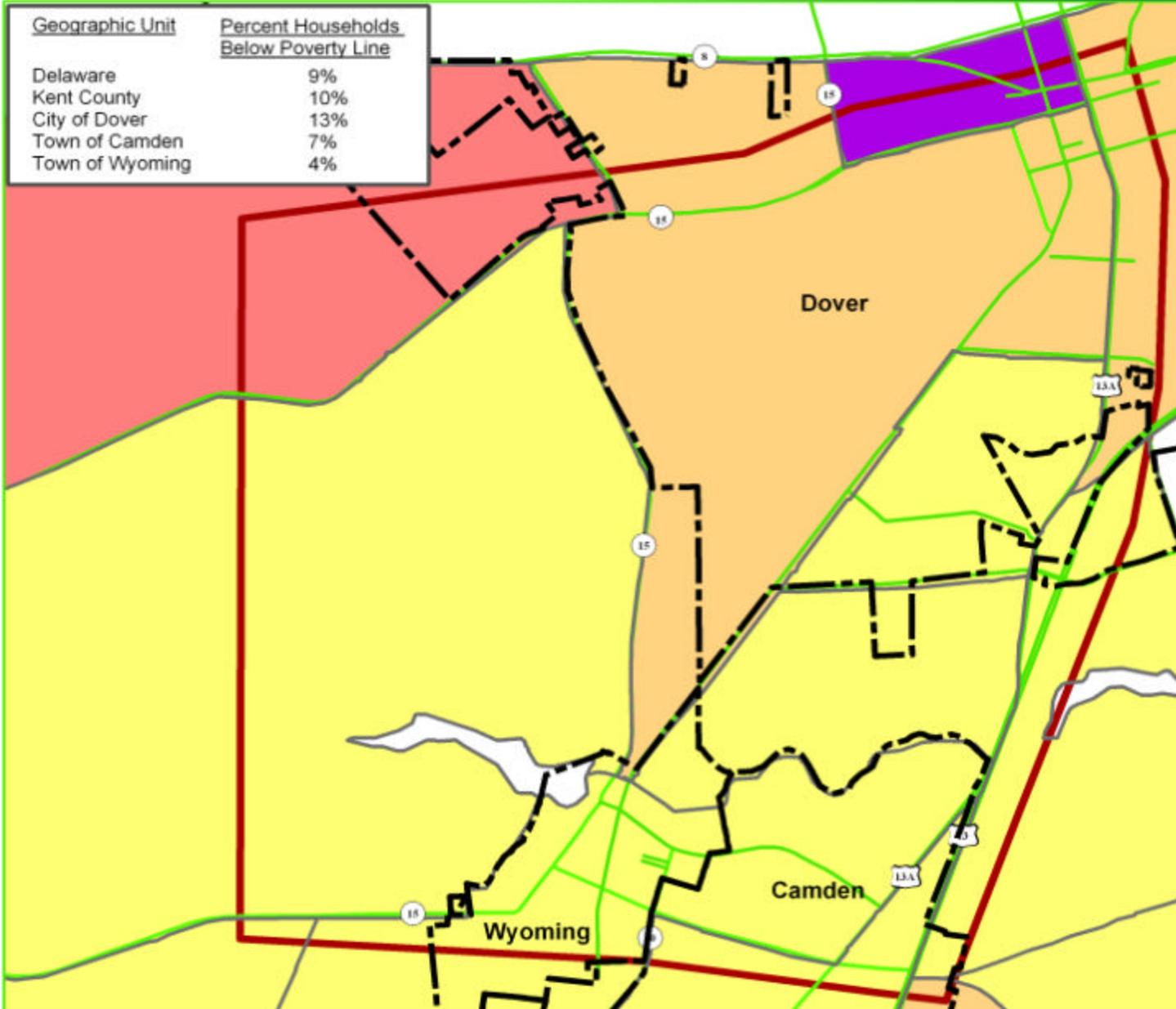
Hispanic or Latino

### Sources:

Map Layers  
2000 Census

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Geographic Unit	Percent Households Below Poverty Line
Delaware	9%
Kent County	10%
City of Dover	13%
Town of Camden	7%
Town of Wyoming	4%

## Environmental Justice Low Income Households



### LEGEND

-  Env. Study Area
- % Households Below Poverty Level**
-  less than 10%
-  10% - 20%
-  20% - 30%
-  30% - 35%
-  Municipal Boundaries

**Sources:**  
Map Layers  
2000 Census

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Map prepared by: **DMJM HARRIS**

# Environmental Features

## *Built Environment*

- Community Characterization

-  A diverse community

- The minority population percentage in the study area is greater than that of Kent County but less than that of the City of Dover (28 to 47%).
- The minority population is primarily African American, with growing percentages of Hispanic and Asian populations.
- The low income household percentage in the study area is approximately equal to that of the City of Dover and Kent County (10 to 13%).

# Environmental Justice

Taking our interests into consideration means:

- **Fair treatment** - No group of people, including a racial, ethnic, or a socioeconomic minority group, should bear a disproportionate share of negative environmental consequences.
- **Meaningful involvement (project approach):**
  - an appropriate opportunity to participate in decision making
  - the concerns of all participants will be considered in the decision making process
  - seeking out and facilitating the involvement
- **Meeting applicable laws and regulations for fairness** including Executive Order 12898 regarding Environmental Justice and 1964 Civil Rights Act.
  - **Environmental Justice** is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income.



**ENVIRONMENTAL  
SCREENING  
AGRICULTURAL  
DISTRICTS  
AND  
EASEMENTS**

  
May, 2004

**LEGEND**

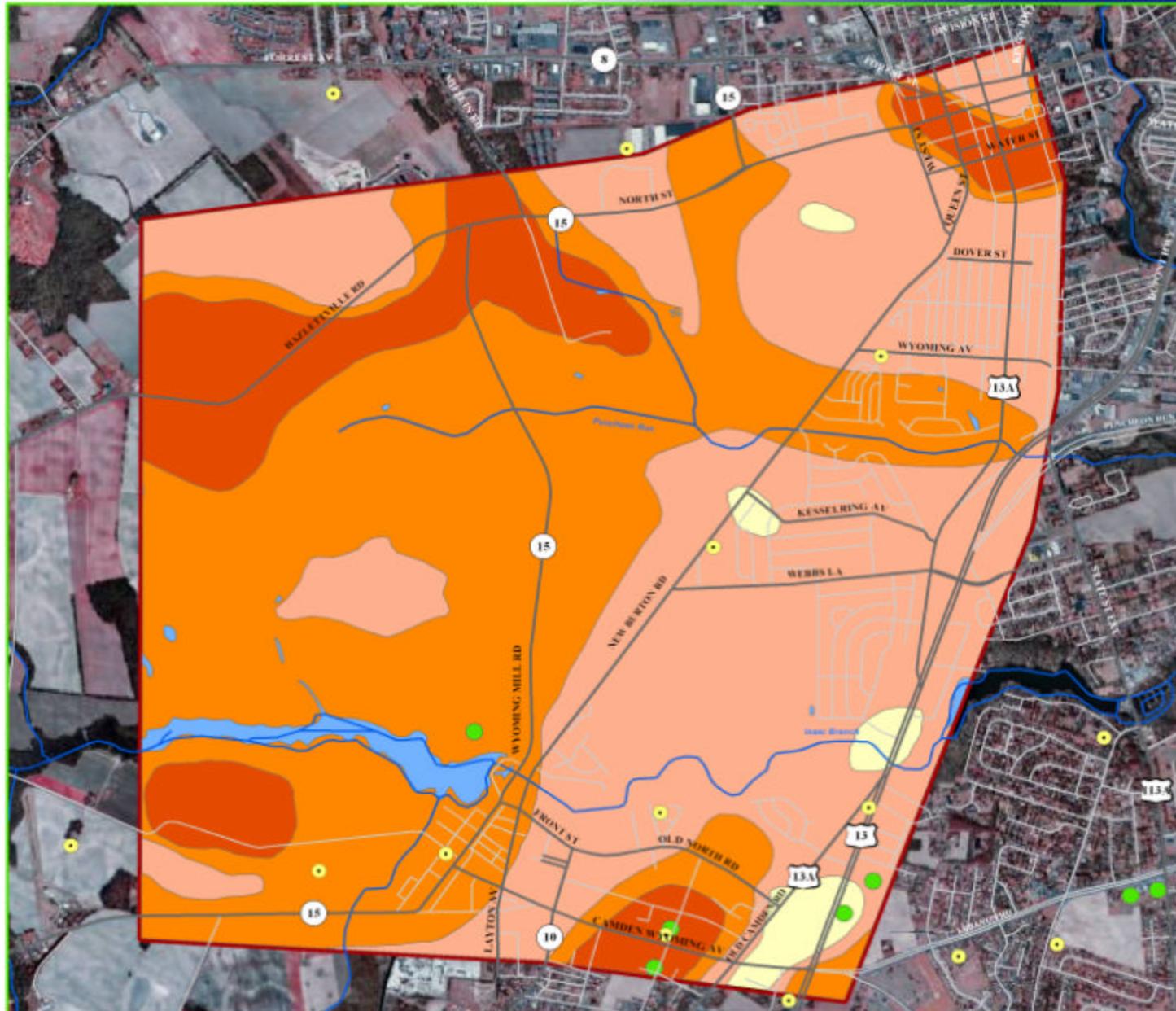
-  State Agricultural Districts
-  State Agricultural Easements
-  Environmental Study Area
-  Hydrology

**Sources:**  
Base Map  
Delaware Department of Transportation, 2002  
Created from Digital Orthophoto Quarter Quads

**Map Layers**  
The Delaware Geographic Data Committee

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**ENVIRONMENTAL  
SCREENING  
PUBLIC WELLS  
AND  
RECHARGE AREAS**



May, 2004

**LEGEND**

- Public Water Supply Wells
- Waterways
- Recharge Areas**
  - excellent
  - good
  - fair
  - poor
  - water area
  - Well-Head Protection Area
  - Env. Study Area

**Sources:**

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**Map Layers**  
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DNREC, Division of Water Resources

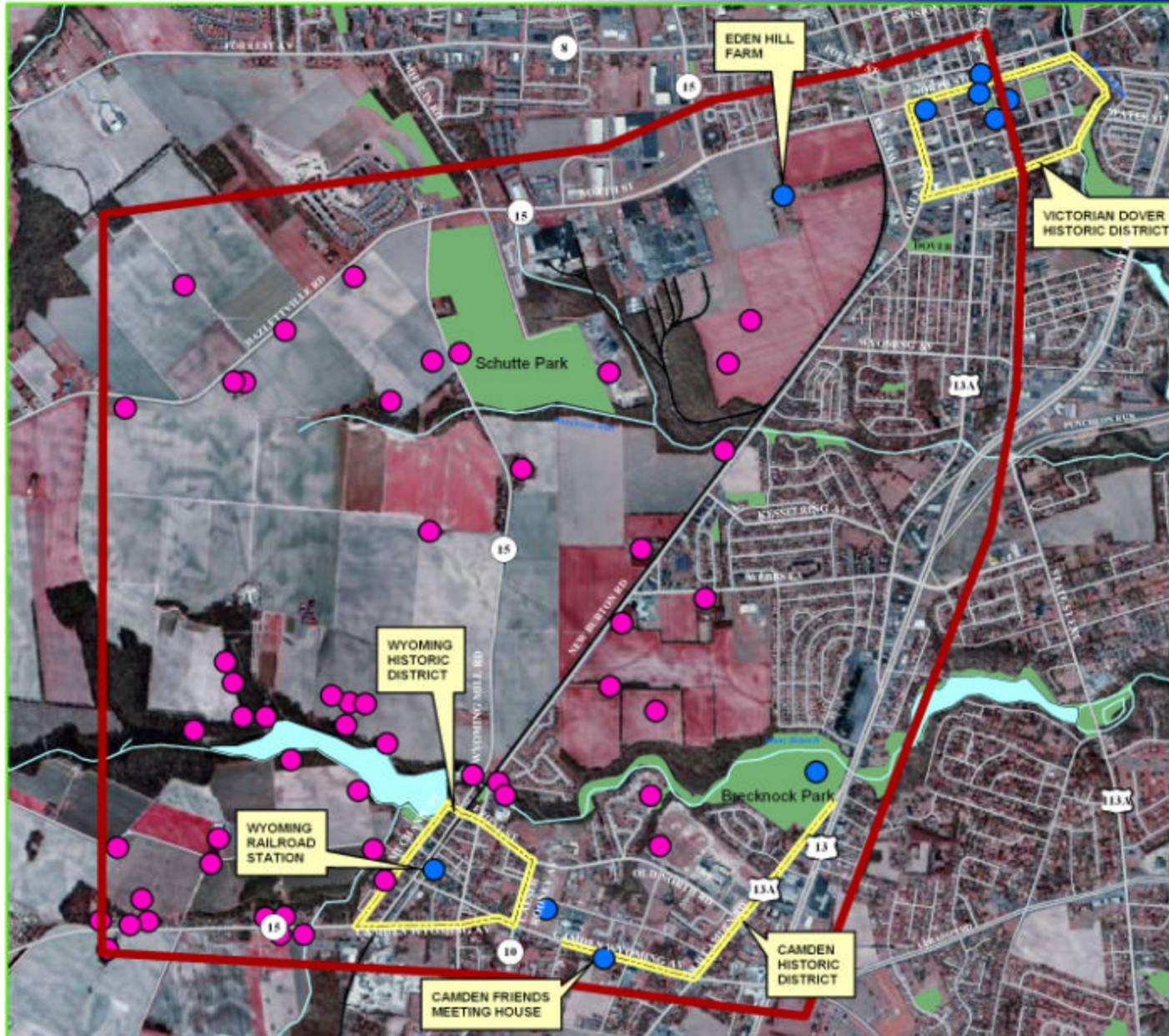
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Map prepared by: **DMJMEHARRIS**

# Environmental Features

## *Built Environment*

- **Agricultural Preservation Districts** – Delaware Agricultural Lands Preservation Program provides for voluntary preservation of land for agricultural purposes for a specified period of time
  - Farmlands L.P. District
  - Raughley District
- **Public Wells and Recharge Areas**
  - **Recharge Areas** – Land areas that allow for the infiltration of precipitation (rain or snow) and runoff into the soil and ultimately to the groundwater.
  - **Well Head Protection Areas** – Designated areas surrounding public wells for the purpose of protecting the public water supply from contamination; protection area size depends on well size and aquifer type (Safe Drinking Water Act)



# HISTORICAL AND ARCHAEOLOGICAL SITE MAP



June, 2004

## LEGEND

- Environmental Study Area
  - Historic District
  - Parklands & Open Spaces
  - Water
- Site Type**
- Inventoried Properties 50 Years or Older
  - National Register Listed Historic Sites

## Sources:

**Base Map**  
Delaware Department of Transportation, 2002  
Created from Digital Orthophoto Quarter Quads

**Map Layers**  
The Delaware Geographic Data Committee  
DNREC, Division of Parks and Recreation  
Delaware State Historic Preservation Office

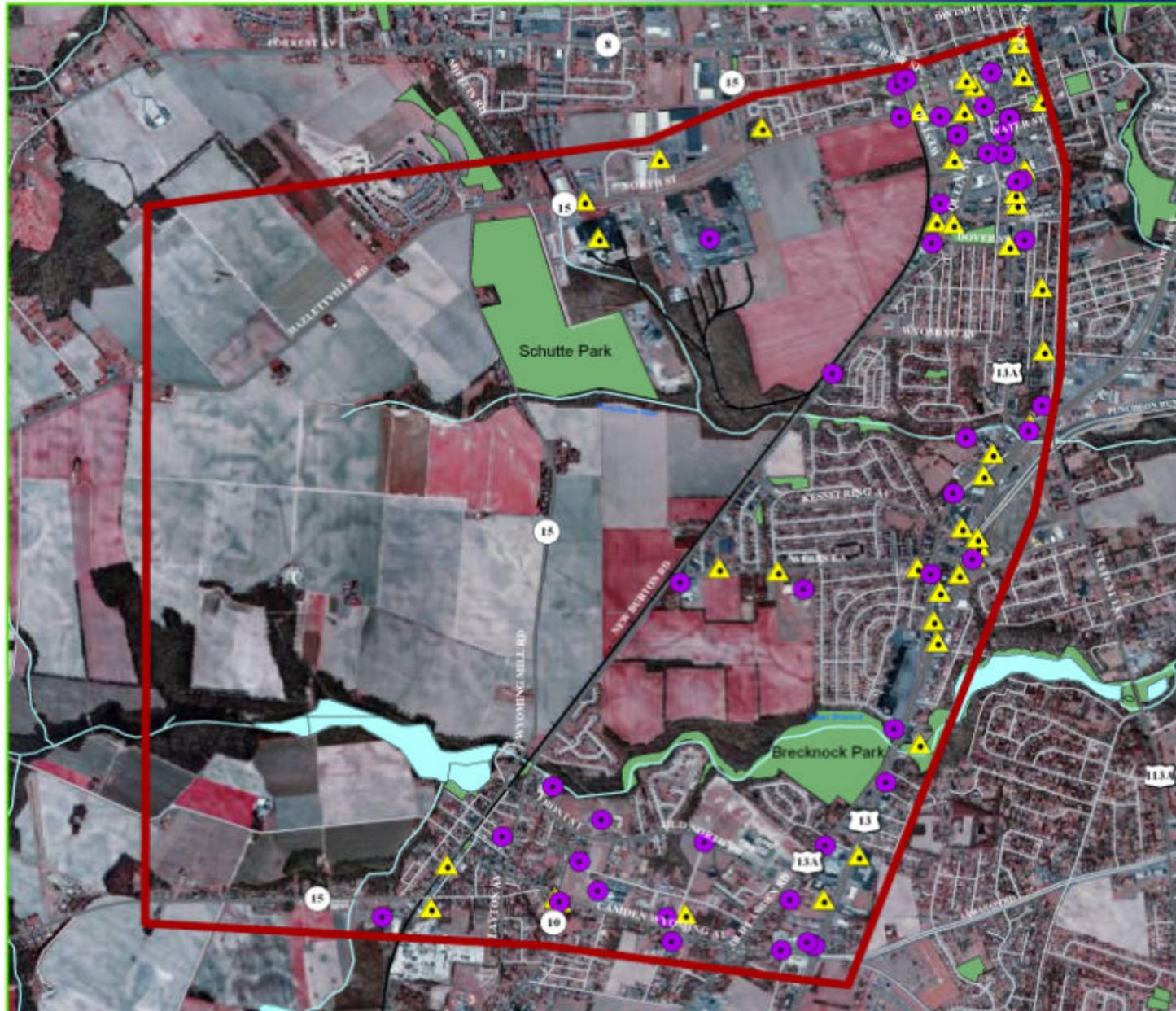
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Map prepared by: **DMJM HARRIS**

# Environmental Features

## *Built Environment*

- **Historic and archaeological resources**  
(National Historic Preservation Act)
  - Eden Hill Farm House (National Register)
  - Victorian Dover Historic District (National Register)
  - Camden Historic District (National Register)
  - Wyoming Historic District (National Register)
  - Wyoming Railroad Station (National Register)
  - Camden Friends Meeting House (National Register)
  - Farmsteads and other structures
  - Archaeological sites



**ENVIRONMENTAL  
SCREENING  
CONTAMINATION  
CONCERNS**



June, 2004

**LEGEND**

- Potentially Contaminated Sites**
- Underground Storage Tank
  - Additional Sites of Concern
  - Environmental Study Area
  - Parklands & Open Spaces
  - Water

**Sources:**

**Base Map**  
Delaware Department of Transportation, 2002  
Created from Digital Orthophoto Quarter Quads

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DNREC, Division of Air and Waste Management  
DNREC, Division of Parks and Recreation

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Map prepared by: **DMJMEHARRIS**

# Environmental Features

## *Built Environment*

- Sites of potential contamination concern
  - Underground Storage Tanks
  - Facilities that use, store, handle, or dispose of contaminated or hazardous materials
- Air Quality
  - Kent County is classified by USEPA as nonattainment for ozone (the county does not meet the National Ambient Air Quality Standards for ozone)
  - Transportation projects are examined in aggregate on a regional basis to ensure that the region will meet state air quality goals. This process is undertaken by the Dover/Kent Metropolitan Planning Organization (MPO), culminating in their Transportation Improvement Program (TIP). The currently adopted TIP includes the West Dover Connector concept planning project.

# Environmental Consultation

## Environmental Screening

- Develop and shape alternatives
- Identify fatal flaws
- Assess permitability
- Avoid or minimize natural and built environmental impacts

 Environmental issues are components of the overall study

# Environmental/Civil Constraints



# Roadway Characteristics

- Document typical sections, to identify facilities and amenities provided
  - Number of lanes
  - Presence of a shoulder
  - Curb and gutter or open section
  - Sidewalks
  - Landscape buffer



# Roadway Characteristics

- Inventory existing structures
  - Bridges
  - Underpasses
  - Culverts



# Railroad Facilities

- Identify significant features along Norfolk Southern Railroad
  - Number of mainline tracks
  - Location of sidings, spurs
  - Proximity to New Burton Road
  - Active at-grade crossings



# Utility Investigation

- **Overhead utilities:**
  - Transmission line along NSRR/New Burton Road and North Street
  - Distribution/local service along various roads
- **Underground utilities:**
  - Natural gas mains
  - Fiber Optic lines
  - County services: water, sewer



# Break-Out: Existing Traffic Problems

## *Cut Through Traffic:*

- Significant cut-through traffic on roads between New Burton and US 13.
- Significant use of east-west routes in Towns of Wyoming and Camden.
- Significant use of New Burton Road and Wyoming Mill Road as north-south routes by traffic coming from south of the study area.
- Significant use of New Burton Road and Wyoming Mill Road as north-south routes by traffic coming from Southern Boulevard.

# Break-Out: Existing Traffic Problems

## *Intersection Performance:*

- Failing movements at some  controlled intersections (LOS F)
- Long queues (or back-ups) form in peak hours especially at  intersections serving north-south travel
  - Wyoming Mill Road @ Hazletville Road
  - West Street @ North Street
- Other intersections with approach movements with failing or near failing LOS



# Working Group

- **Questions and Discussion**
- **Breakout Teams – Work Session**
  - **Ideas for Alternatives**
    - **What are the Pros/Benefits?**
    - **What are the Cons/Disadvantages?**
    - **What Questions need to be answered/  
Information needed?**

# Ideas for Alternatives

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- **Breakout Team Reports**
- **Common Themes Across Breakout Teams**

# Next Steps

- **Team Will Use Ideas for Alternatives From Working Group Meeting Tonight**
- **Team Will Refine into Possible Alternatives**
- **Meet in September for Field Trip, Discussion of Possible Alternatives**
- **Hold Public Workshop in Fall on Alternatives**

# Next Meeting

## Third Working Group Meeting

### Time and Date

Wednesday, September 22, 2004

- 4:00PM – Field Tour for Working Group
- 5:30PM – Working Group Meeting

### Location

Modern Maturity Center, DuPont Ballroom

1121 Forrest Avenue

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