

| | | | |
|----------------------|-------------------|------------------|------------------|
| Substation | MAHW Flag | Access Road Flag | MAHW Line |
| UG Transmission Line | Corp Plot | Man-made Feature | Wetland Line |
| OH Transmission Line | Threatened Animal | Natural Feature | Watercourse |
| Water Flag | Habitat | Generic Point | Access Road Line |
| Wetland Flag | Photo | ROW Access | Generic Line |
| GSRP ROW | | | |

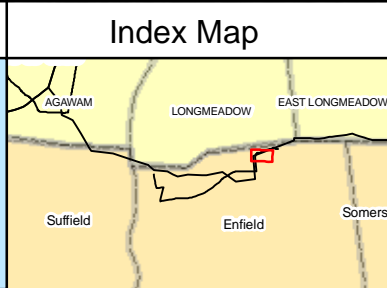
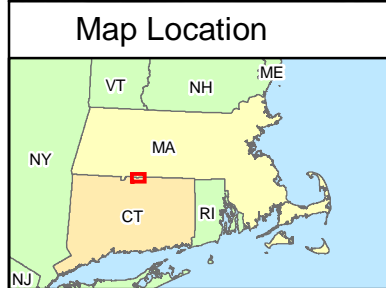
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1:2,000
1 inch equals 167 feet

Data Source: CT GIS 2004 Imagery
ENSR Survey: Summer, Fall 2007

Greater Springfield Reliability Project
Underground Alternatives - Enfield
Survey Aerial Maps

Mapsheet 09 of 11

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| Connecticut Light & Power <small>The Northeast Utilities System</small> |
| ENSR AECOM |
| Project Number: 01131-001 Date: September 2008 |



| | | | |
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| Substation | MAHW Flag | Access Road Flag | MAHW Line |
| UG Transmission Line | Corp Plot | Man-made Feature | Wetland Line |
| OH Transmission Line | Threatened Animal | Natural Feature | Watercourse |
| Water Flag | Habitat | Generic Point | Access Road Line |
| Wetland Flag | Photo | ROW Access | Generic Line |
| GSRP ROW | | | |

0 200 400 Feet
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1 inch equals 167 feet

Data Source: CT GIS 2004 Imagery
ENSR Survey: Summer, Fall 2007

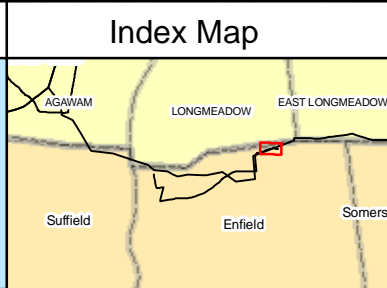
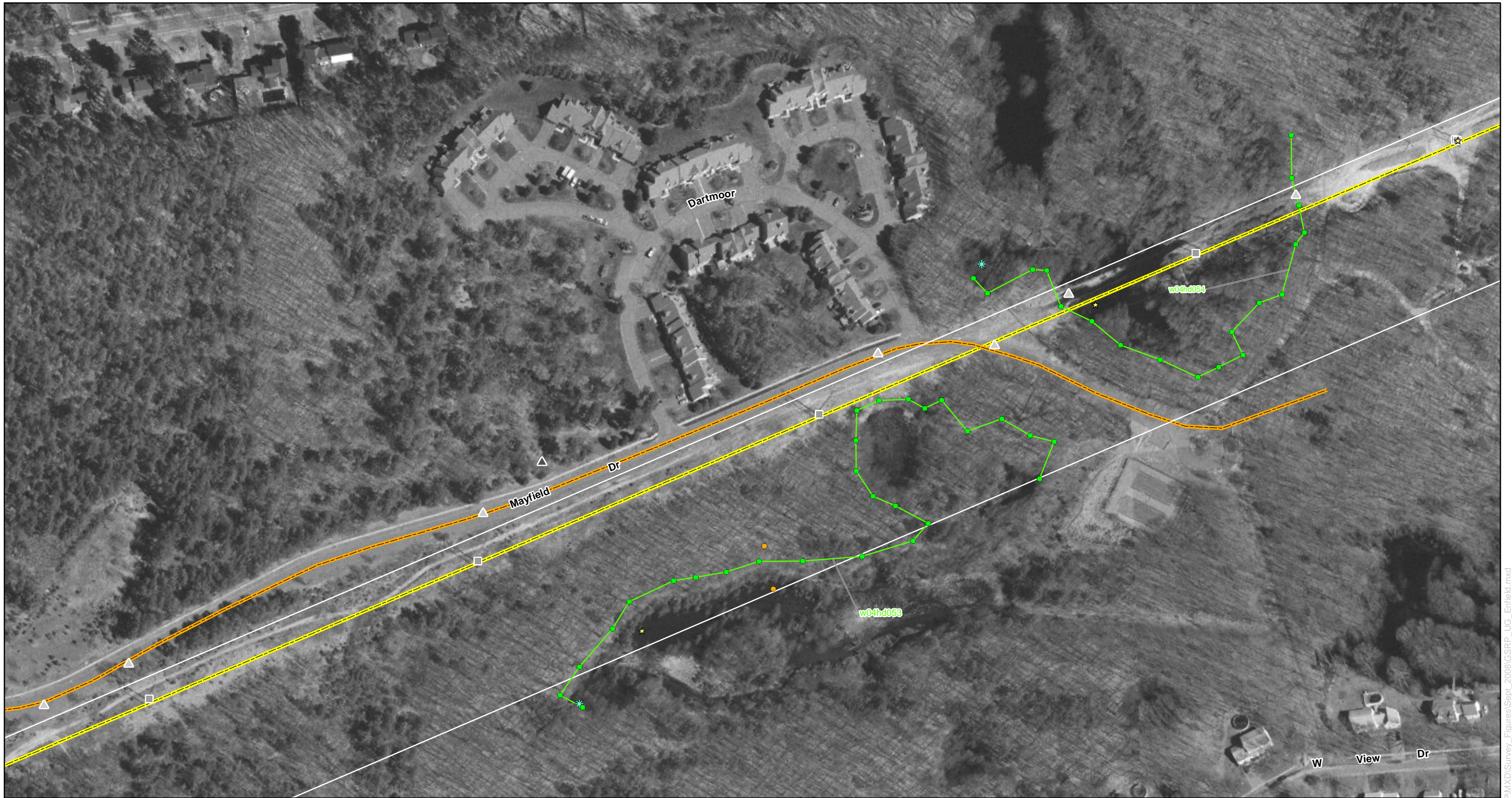
Greater Springfield Reliability Project
Underground Alternatives - Enfield
Survey Aerial Maps

Mapsheet 10 of 11

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The Northeast Utilities System

ENSR | AECOM

Project Number: 01131-001
Date: September 2008



| | | | |
|----------------------|-------------------|------------------|------------------|
| Substation | MAHW Flag | Access Road Flag | MAHW Line |
| UG Transmission Line | Corp Plot | Man-made Feature | Wetland Line |
| OH Transmission Line | Threatened Animal | Natural Feature | Watercourse |
| Water Flag | Habitat | Generic Point | Access Road Line |
| Wetland Flag | Photo | ROW Access | Generic Line |
| GSRP ROW | | | |

0 200 400 Feet
1:2,000
1 inch equals 167 feet

Data Source: CT GIS 2004 Imagery
ENSR Survey: Summer, Fall 2007

Greater Springfield Reliability Project
Underground Alternatives - Enfield
Survey Aerial Maps

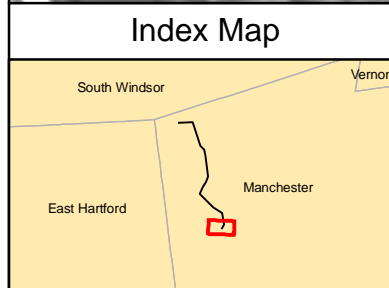
Mapsheet 11 of 11

Connecticut Light & Power
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ENSR | AECOM

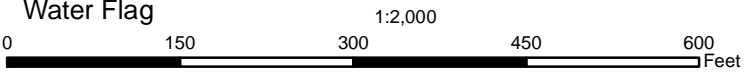
Project Number: 01131-001
Date: September 2008

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Data Source: ENSR Survey 2008; CT NAIP 2006 Imagery



Greater Springfield Reliability Project
Manchester Substation to Meekville Jct.
Survey Aerials
 Mapsheet 1 of 9

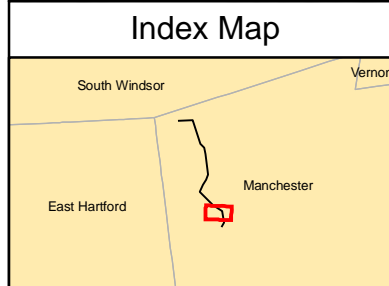


Connecticut Light & Power
The Northeast Utilities System



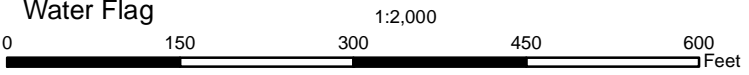
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Data Source: ENSR Survey 2008; CT NAIP 2006 Imagery



Greater Springfield Reliability Project
Manchester Substation to Meekville Jct.
Survey Aerials
 Mapsheet 2 of 9

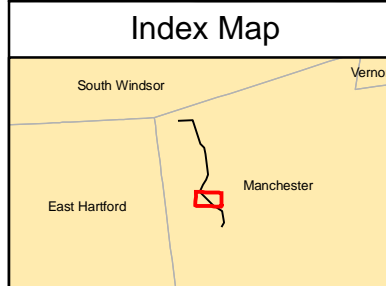
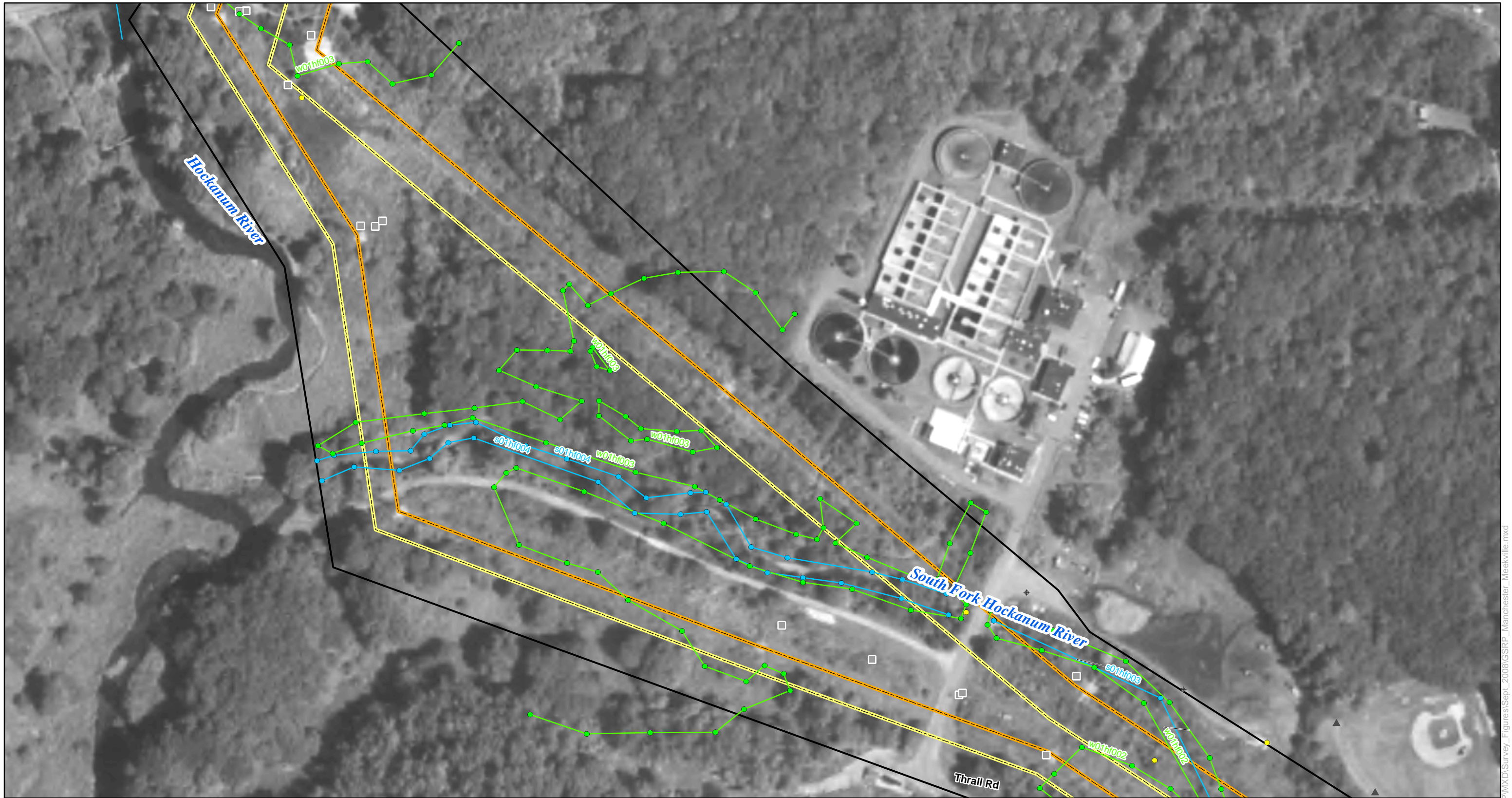


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The Northeast Utilities System



Date: September 2008

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Data Source: ENSR Survey 2008; CT NAIP 2006 Imagery

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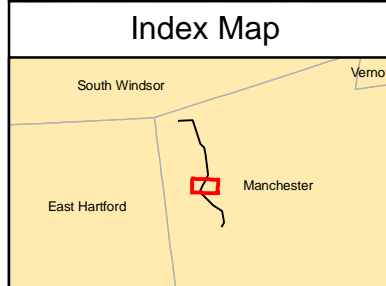
**Greater Springfield
Reliability Project**
Manchester Substation to Meekville Jct.
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Light & Power**
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Data Source: ENSR Survey 2008; CT NAIP 2006 Imagery

Greater Springfield Reliability Project
Manchester Substation to Meekville Jct.
Survey Aerials

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The Northeast Utilities System

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Data Source: ENSR Survey 2008; CT NAIP 2006 Imagery

Greater Springfield Reliability Project
Manchester Substation to Meekville Jct.
Survey Aerials

Mapsheet 5 of 9

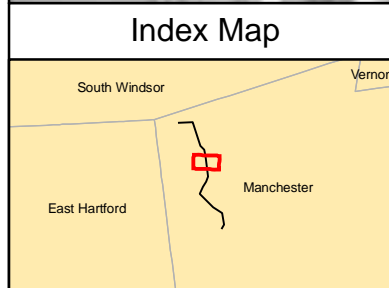


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|---|---|--|---|

Data Source: ENSR Survey 2008; CT NAIP 2006 Imagery

Greater Springfield Reliability Project
Manchester Substation to Meekville Jct.
Survey Aerials

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The Northeast Utilities System

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| <ul style="list-style-type: none"> ■ Substation ● Junction ⊙ Switching Station ⊕ Access Road Flag ■ Habitat | <ul style="list-style-type: none"> — Existing Transmission Line - - - Proposed Transmission Line — Existing ROW ▲ Man-Made Feature ● Generic Point | <ul style="list-style-type: none"> — Water Line — Wetland Line - - - Approximate Wetland Edge ● Wetland Flag ● Water Flag | <p style="text-align: center;">1:2,000</p> <p style="text-align: center;">0 150 300 450 600 Feet</p> | |
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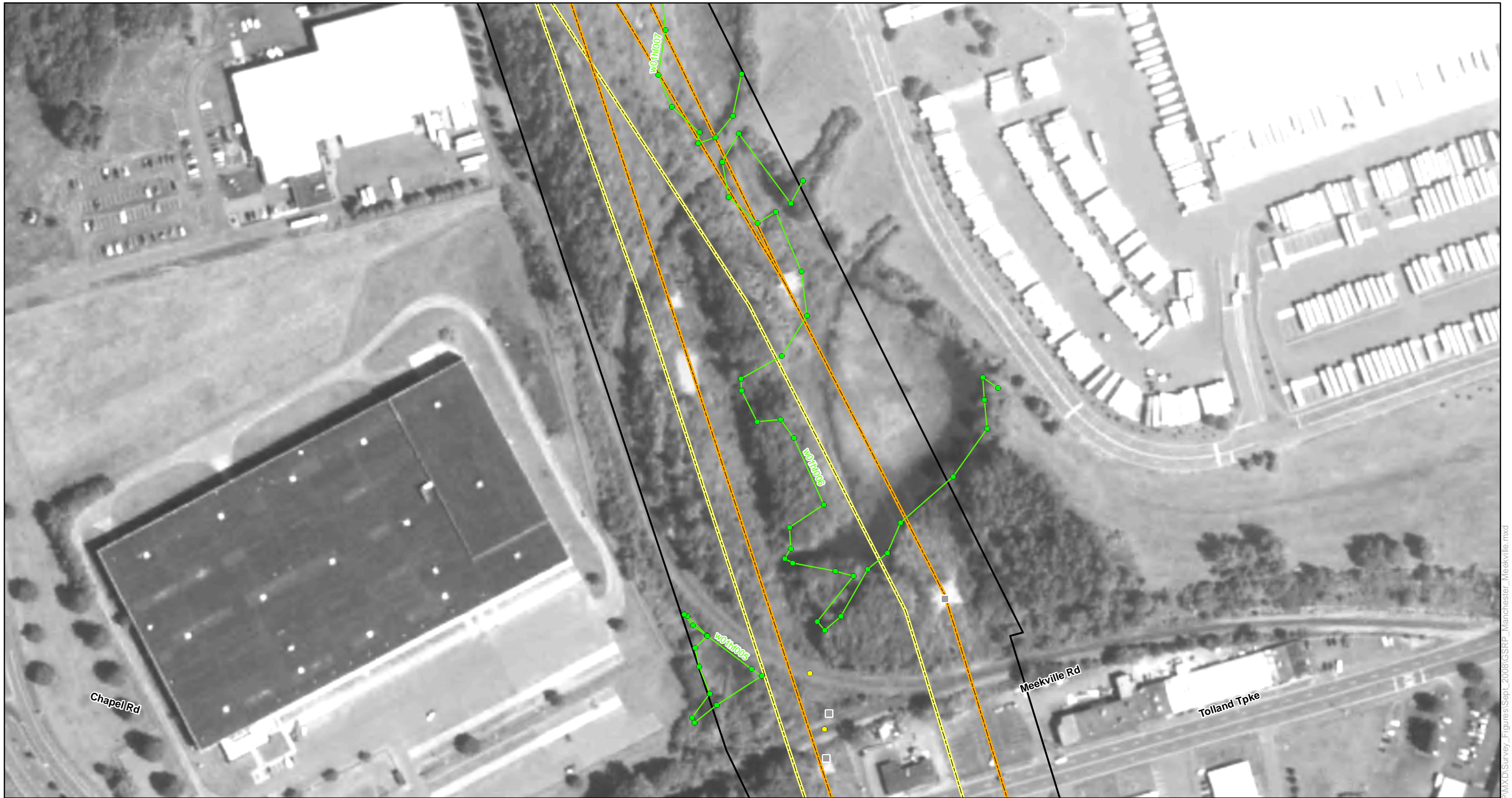
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Greater Springfield Reliability Project
Manchester Substation to Meekville Jct.
Survey Aerials
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The Northeast Utilities System


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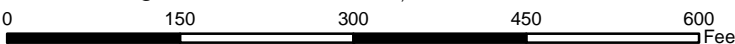


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|--|---|---|
| <ul style="list-style-type: none"> ■ Substation ● Junction ⊙ Switching Station ⊕ Access Road Flag ■ Habitat | <ul style="list-style-type: none"> — Existing Transmission Line - - - Proposed Transmission Line — Existing ROW ▲ Man-Made Feature ● Generic Point | <ul style="list-style-type: none"> — Water Line — Wetland Line - - - Approximate Wetland Edge ● Wetland Flag ■ ROW Feature ● Water Flag |
|--|---|---|

Data Source: ENSR Survey 2008; CT NAIP 2006 Imagery



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Manchester Substation to Meekville Jct.
Survey Aerials
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The Northeast Utilities System



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| <ul style="list-style-type: none"> ■ Substation ● Junction ⊙ Switching Station + Access Road Flag ■ Habitat | <ul style="list-style-type: none"> Existing Transmission Line Proposed Transmission Line Existing ROW ▲ Man-Made Feature ● Generic Point | <ul style="list-style-type: none"> — Water Line — Wetland Line Approximate Wetland Edge ■ ROW Feature ● Water Flag ● Wetland Flag |
|--|--|--|

Data Source: ENSR Survey 2008; CT NAIP 2006 Imagery

0 150 300 450 600 Feet

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Manchester Substation to Meekville Jct.
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Appendix C
Wetlands and Watercourses Field Data Forms

WETLAND SUMMARY FIELD DATA FORM

Project: 6SRP-CT N. Bloomfield - 13000m Wetland ID: W-04-WF-001
 Flag Series: RI-1A1 Town: Bloomfield, CT
 Observers: TS/TB Weather: -
 Date: 8/07/07 Time: -

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Fraxinus pennsylvanica D Shrubs: Cornus spp C
Acer rubrum C Ilex verticillata C
Ulmus americana C Alnus rugosa C
Rosa multiflora A
Lonicera spp A

Saplings/Lianas: Fraxinus pennsylvanica C Herbs/Forbes: Impatiens capensis A
Acer rubrum C Osmonda regalis C
Quackgrass spicabilis C
Phragmites australis S

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|---------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|------------|
| <u>Tanfield Rd</u> | Y | <u>(N)</u> | Y | <u>(N)</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: 6SRP-CT N. Wood Field to Highway Wetland ID: W-08-WF-002 + 004
 Flag Series: 299-364 290-335 Town: Bloomfield, CT
 Observers: TJS/TJB Weather: _____
 Date: 8/17/07 Time: _____

Dominant NWI Class: P10 Other NWI Classes: P55 PEM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum A Shrubs: Cornus spp C
Ulmus americana C Rosa multiflora C
Lindera benzoin C

Saplings/Lianas: Acer rubrum C Herbs/Forbes: Labella cardinalis S
Melymbium siliquosum C
Symplocos foetida S C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|-------------------------|------------------------|-----------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | <u>Silt Deposition</u> | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | <u>Surface Scouring</u> | | <u>Drift Lines</u> | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
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| | | | | |

Other Soil Observations: _____

River/Stream Data: Goffin Brook X Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| <u>TRISTAR RD</u> | <u>(Y)</u> N | <u>(Y)</u> N | <u>(Y)</u> N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP - N Bloomfield - Agwood
 Flag Series: 301-308
 Observers: JOS/JSB
 Date: 8/17/07

Wetland ID: W-08-HF-008
 Town: Bloomfield, CT
 Weather: -
 Time: -

Dominant NWI Class: Pem Other NWI Classes: PSS

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: NA

Shrubs: Salix sp C
Rosa multiflora C

Saplings/Lianas: NA

Herbs/Forbes: Lythrum salicaria A
Juncus effusus S C
Oxycorys sensibilis C
Impatiens capensis C
Cyperus sp S

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
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Other Soil Observations:

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|------------|
| <u>Toriffville Rd</u> | <u>Y</u> | <u>(N)</u> | <u>Y</u> | <u>(N)</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP CT N Bloomfield - Aqueduct
 Flag Series: 301-313
 Observers: DS/JS
 Date: 8/27/07

Wetland ID: N-08-WF-006
 Town: Bloomfield, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum A
Viburnum acerifolium C

Shrubs: Lythrum hyssagifolium A
Vaccinium corymbosum C

Saplings/Lianas: Acer rubrum E

Herbs/Forbes: Oxycoccus strictus C
Symphoricarpos reticulatus C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| Tariffville Rd | Y | N | Y | N |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP-CT N Bloom Field - Aquatic Wetland ID: W08-11F-008
 Flag Series: 301-310 Town: Bloomfield, CT
 Observers: TJS/SB Weather: -
 Date: 9/27/07 Time: -

Dominant NWI Class: PEM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: NA Shrubs: Salix nigra S

Saplings/Lianas: NA Herbs/Forbes: Bochnaria cylindrica A
Polygonum hydropiper C
Bidens Frondosa C
Oenothera sensibilis C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|------------|
| <u>RT 189</u> | <u>Y</u> | <u>(N)</u> | <u>Y</u> | <u>(N)</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: ESRP CT - NBloomfield - Aquatic Wetland ID: W-08-AF-009
 Flag Series: 100-107 Town: Bloomfield, CT
 Observers: TDS/SB Weather: -
 Date: 8/27/07 Time: -

Dominant NWI Class: Pem Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: NA Shrubs: NA

Saplings/Lianas: NA Herbs/Forbes: Juncus capensis A
Polygonum frondosum C
Microstegium vimineum C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|------------|
| <u>Rt 189</u> | <u>Y</u> | <u>(N)</u> | <u>Y</u> | <u>(N)</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: CSRP-CT N. Bloomfield - Agnom
 Flag Series: 301-305
 Observers: TDS/TB
 Date: 8/29/07

Wetland ID: U-08-HF-01
 Town: East Granby
 Weather: -
 Time: -

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum D

Shrubs: Lindera benzoin C

Saplings/Lianas: Acer rubrum S

Herbs/Forbes: Boehmeria cylindrica C
Osmunda cinnamomea C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|-----------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial X Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width: | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|------------|
| <u>Tuxis Ave.</u> | Y | <u>(N)</u> | Y | <u>(N)</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: ESRP-CT N. Bloomfield - Aquatic
 Flag Series: 301-319
 Observers: TOG/JPB
 Date: 8/28/07

Wetland ID: W-09-WF-001
 Town: East Granby
 Weather: -
 Time: -

Dominant NWI Class: _____ Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum A
Quercus bicolor A

Shrubs: Lindera benzoin C
Asperula phytolagyi C
Viburnum acerifolium C
Cornus amomum C
Ilex verticillata C

Saplings/Lianas: Acer rubrum C
Quercus bicolor C

Herbs/Forbes: Osmunda cinnamomea C
Onoclea sensibilis C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|----------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------|---------|-----------|--------------|----------------------|
| 0-10" | Ap | Silt Loam | 10YR 4/3 | |
| 10-16" | Bg | Silt Loam | 2.5Y 6/2 | 2.5Y 5/6 |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| <u>Travis Ave.</u> | <u>(Y)</u> | <u>(Y)</u> | <u>(N)</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSAP CT N. Ham Falls - Anguian Wetland ID: W-09-11F-002
 Flag Series: PO and JOO Series Town: East Granby
 Observers: JCS/TB Weather: -
 Date: 8/28/07 Time: -

Dominant NWI Class: P10 Other NWI Classes: P6m P5S

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum D Shrubs: Lindera benzoin C
Quercus bicolor A Berberis thunbergii C
Viburnum lentago C
Elaeagnus angustifolia C
Cornus amomum C

Saplings/Lianas: Acer rubrum C Herbs/Forbes: Osmunda cinnamomea C
Onoclea sensibilis C
Polygonum sagittatum C
Juncus spp C
Sagittaria arifolia C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|-------------------------|------------------------|-----------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | <u>Surface Scouring</u> | | Drift Lines | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | ↔ Matrix Color | Redox Features/Notes |
|-----------------|----------------------|-----------------|------------------|----------------------|
| <u>0-10"</u> | <u>A₀</u> | <u>10YR 4/3</u> | <u>Silt 100m</u> | |
| <u>10-16" +</u> | <u>B₀</u> | <u>2.5Y 6/2</u> | <u>Silt 100m</u> | <u>2.5Y 5/6</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-------------------|-------------------|------------|
| <u>TRANS AC.</u> | <u>⓪</u> N | <u>Y</u> <u>⓪</u> | <u>⓪</u> N | <u>AWP</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: CSPP-CT N. Noon Falls Agonam
 Flag Series: 300-345
 Observers: DS/JP
 Date: 8/28/07 + 8/30/07

Wetland ID: W-04-WF-003
 Town: East Granby
 Weather: -
 Time: -

Dominant NWI Class: PFO

Other NWI Classes: PEM, PSS

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum A
Fraxinus americana C
Quercus bicolor C

Shrubs: Berberis thunbergii A
Lindera benzoin C
Viburnum lentiginos C
Ilex verticillata C

Saplings/Lianas: Acer rubrum C
Fraxinus americana C

Herbs/Forbes: Carex spp C
Juncus spp C
Polygonum spp C
Symplocos foetida C
Eupatorium maculatum C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|----------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------------|----------------------|------------------|-----------------|----------------------|
| <u>0-9"</u> | <u>A</u> | <u>Silt loam</u> | <u>10YR3/4</u> | <u>2.5Y 5/6</u> |
| <u>9-11"</u> | <u>B_g</u> | <u>Silt loam</u> | <u>2.5Y 6/2</u> | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|----------|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width: | | Notes: | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|------------------------|------------------|-----------------|-------------------|------------|
| <u>Matchet Mill Rd</u> | <u>(Y)</u> | <u>N</u> | <u>Y</u> | <u>(N)</u> |
| | | | | <u>PUP</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: 65RPT N. Wain Fair & Agulom Wetland ID: N-04-#FO04
 Flag Series: 100-III 200-336 400-405 Town: East Granby
 Observers: TOS/JB Weather: -
 Date: 9/30/07 Time: -

Dominant NWI Class: _____ Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum D Shrubs: Berberis thunbergii C
Quercus bicolor C Lindera benzoin C
Ulmus americana C Alnus rugosa C
Platanus occidentalis S Viburnum lentago C
Betula lenta C Ilex verticillata C

Saplings/Lianas: Acer rubrum C Herbs/Forbes: Oxyclea sensibilis C
Betula lenta C Osmunda cinnamomea C
Sagittaria arifolia C
Eleocharis acicularis C
Polygonum sagittatum C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|----------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------------|----------------------|------------------|-----------------|----------------------|
| <u>0-8"</u> | <u>Ap</u> | <u>Silt loam</u> | <u>10YR 1/4</u> | <u>-</u> |
| <u>8-16"</u> | <u>B₁</u> | <u>Silt loam</u> | <u>2.5Y 6/2</u> | <u>-</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width: | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-------------------------|------------------|-----------------|-------------------|----------|
| <u>Matchet H. 11 Rd</u> | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>N</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: USRP CT NRI on Field & Aquatic Wetland ID: W-04-HF-005
 Flag Series: _____ Town: East Granby
 Observers: _____ Weather: _____
 Date: 7/30/07 Time: _____

Dominant NWI Class: _____ Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum D Shrubs: Berberis thunbergii C
Quercus bicolor C Lindera benzoin C
Ulmus americana C Alnus incana C
Platanus occidentalis S Viburnum acerifolium C
Betula lenta C Ilex verticillata C

Saplings/Lianas: _____ Herbs/Forbes: Oxyclea sensibilis C
Acer rubrum C Osmunda cinnamomea C
Betula lenta C Sagittaria arifolia C
 _____ Eleocharis acicularis C
 _____ Polygonum sagittatum C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|----------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|----------------|-----------|--------------|----------------------|
| 0-8" | A _p | Silt loam | 10YR 1/9 | - |
| 8-16" | B _g | Silt loam | 2.5Y 6/4 | - |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | |
|--------------------------------------|--------------------|---------------|---------------------|
| Depth @ Center | Bank Height | Channel Width | Notes |
| Flow Rate: Slow Moderate Fast | Bank Configuration | Undercut | Vertical Gradual |
| Substrate %: Peat Muck Silt-Mud Sand | Gravel | Cobbles | Boulders Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|----------|
| <u>Highway 171 Rd</u> | <u>(C)</u> | <u>(N)</u> | <u>(P)</u> | <u>N</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP - CR (N Bloom Field - Agawam) Wetland ID: W-07-HF-019
 Flag Series: 300-326 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/30/2007 Time: 1200

Dominant NWI Class: PEM Other NWI Classes: PSS

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (C) Shrubs: Alnus rugosa (D)
_____ Cornus amomum (D)
_____ Viburnum dentatum (D)

Saplings/Lianas: _____ Herbs/Forbes: Typha latifolia (D)
 _____ Impatiens capensis (D)
 _____ Carex stricta (D)
 _____ Polygonum sagittatum (C)
 _____ Eupatorium purpureum (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|---|------------------------|--|--|---|--------------|---------------------|
| Non-Tidal: | Perm. Flooded <input checked="" type="checkbox"/> | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves <input checked="" type="checkbox"/> | | Water Marks <input checked="" type="checkbox"/> | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns <input checked="" type="checkbox"/> | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: _____ Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| 0-20 | Oa | Organic | 10yr 2/1 | Histosol |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|---------------------------------------|---------------------------------------|---|-------|
| Hatchet Hill Road | Y <input checked="" type="checkbox"/> | Y <input checked="" type="checkbox"/> | Y <input checked="" type="checkbox"/> N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP - CT (W. Bloomfield to Agawam) Wetland ID: W-07-HF-018
 Flag Series: 301-358 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/30/2007 Time: 1000

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D) Shrubs: Alnus rugosa (D)
 _____ Cornus amomum (D)
 _____ Viburnum dentatum (D)
 _____ Salix sp. (C)

Saplings/Lianas: _____ Herbs/Forbes: Onoclea sensibilis (D)
 _____ Impatiens capensis (D)
 _____ Carex stricta (D)
 _____ Osmunda cinnamomea (C)
 _____ Eupatorium purpureum (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
|------------------------|---------------|------------------------|----------------------|-------------------------------|----------------------------|--------------|---------------------|
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | | Silt Deposition | | Water-Stained Leaves X | Water Marks X | | |
| | | Surface Scouring | | Drift Lines | Drainage Patterns X | | |
| | | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|-----------------|--------------|----------------------|
| 0-10 | A | Fine Sandy Loam | 10yr 2/2 | |
| 10-16 | B | Fine Sandy Loam | 10yr6/2 | Bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| Depth @ Center: | Bank Height: | Channel Width | Notes: |
|------------------------|---------------|---------------------|-----------------------------|
| Flow Rate: Slow | Moderate Fast | Bank Configuration: | Undercut Vertical Gradual |
| Substrate %: Peat-Muck | Silt-Mud | Gravel | Cobbles Boulders Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| Hatchet Hill Road | Y X | N | Y X | N |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP-CT-(N.Bloomfield to Agawam) Wetland ID: W-07-HF-017
 Flag Series: 301-316 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/28/2007 Time: 1400

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D) Shrubs: Ilex verticillata (D)
 _____ Rosa multiflora (C)
 _____ Viburnum dentatum (D)
 _____ Sambucus canadensis (C)

Saplings/Lianas: _____ Herbs/Forbes: Symplocarpus foetidus (C)
 _____ Impatiens capensis (D)
 _____ Carex stricta (D)
 _____ Typha latifolia (C)
 _____ Eupatorium purpureum (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------------|-----------------------------|-------------------------------|--|----------------------------|--------------|---------------------|
| Non-Tidal: | <u>Perm. Flooded X</u> | <u>Semi Perm. Flooded X</u> | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves X</u> | | <u>Water Marks X</u> | | |
| | Surface Scouring | | Drift Lines | | <u>Drainage Patterns X</u> | | |
| | Buttressed Trees | | Depth of Inundation: 6" | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: _____ Mineral X Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| 0-20 | Oa | Organic | 10yr 2/1 | Histosol |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|--------------|
| Holcomb Road | <u>Y X</u> | N | Y <u>N X</u> | <u>Y X</u> N |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP - *cr (w. Bloomfield to Agawam)* Wetland ID: W-07-HF-016
 Flag Series: 401-418 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/28/2007 Time: 1330

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D) Shrubs: Cornus amomum (D)
Fraxinus pennsylvanica (C) Viburnum dentatum (D)

Saplings/Lianas: _____ Herbs/Forbes: Polygonum sagittatum (c)
 _____ Impatiens capensis (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|----------------------------|-------------------------------|--|----------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | <u>Semi Perm Flooded X</u> | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves X</u> | | <u>Water Marks X</u> | | |
| | Surface Scouring | | Drift Lines | | <u>Drainage Patterns X</u> | | |
| | Buttressed Trees | | Depth of Inundation: 6" | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|-----------------|--------------|----------------------|
| 0-10 | A | Fine sandy loam | 10yr 2/2 | Root channels |
| 10-20 | B | Fine sandy loam | 10yr 6/2 | Bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders |
| | | | | | | Gradual | Artificial |

Access Routes

| | | | | | | | |
|-----------------------|------------------|------------|-----------------|------------|-------------------|------------|-------|
| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
| Holcomb Road | Y | <u>N X</u> | Y | <u>N X</u> | Y | <u>N X</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP-OT(N. Bloomfield to Agwam) Wetland ID: W-07-HF-015
 Flag Series: 401-430 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/28/2007 Time: 1130

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____ Shrubs: Alnus rugosa (C)
 _____ Viburnum dentatum (D)
 _____ Cornus amomum (D)

Saplings/Lianas: _____ Herbs/Forbes: Polygonum sagittatum (D)
 _____ Scirpus cyperinus (C)
 _____ Impatiens capensis (C)
 _____ Typha angustifolia (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|-----------------------------|-------------------------------|--|----------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded X | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves X | | Water Marks X | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns X | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|-----------------|--------------|----------------------|
| 0-10 | A | Fine sandy loam | 10yr 2/2 | |
| 10-20 | B | Fine sandy loam | 7.5 yr 5/2 | Bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|--|------------|----------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders |
| | | | | | | Artificial | |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| Holcomb Road | Y N X | Y N X | Y N X | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP CT - (N. Bloomfield to Asgwan) Wetland ID: W-07-HF-014
 Flag Series: 301-313 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/28/2007 Time: 1000

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D) Shrubs: Alnus rugosa (C)
 _____ Viburnum dentatum (D)
 _____ Cornus amomum (D)

Saplings/Lianas: _____ Herbs/Forbes: Polygonum sagittatum (D)
 _____ Scirpus cyperinus (C)
 _____ Impatiens capensis (C)
 _____ Onoclea sensibilis (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|-----------------------------|-------------------------------|--|----------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded X | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves X | | Water Marks X | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns X | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|-----------------|--------------|----------------------|
| 0-10 | A | Fine sandy loam | 10yr 2/2 | |
| 10-20 | B | Fine sandy loam | 7.5 yr 5/2 | Bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|----------|------------|
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| Holcomb Road | Y N X | Y N X | Y N X | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP CT (W. Bloomfield to Aggwan) Wetland ID: W-07-HF-013
 Flag Series: 299-313 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/27/2007 Time: 1400

Dominant NWI Class: PFO1 Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D) Shrubs: Viburnum dentatum (D)

Saplings/Lianas: _____ Herbs/Forbes: Polygonum sagittatum (D)
 _____ Symplocarpus foetidus (D)
 _____ Impatiens capensis (C)
 _____ Onoclea sensibilis (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|---------------|-----------------------------|----------------------|-------------------------------|--------|----------------------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded X | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | | Silt Deposition | | Water-Stained Leaves X | | Water Marks X | |
| | | Surface Scouring | | Drift Lines | | Drainage Patterns X | |
| | | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|-----------------|--------------|---------------------------|
| 0-16 | A | Organic | 10yr 2/1 | Sulfur odor |
| 16-20 | B | Fine sandy loam | 10 yr 4/2 | |
| 20-24 | B2 | Fine sandy loam | 7.5 yr 4/2 | 7.5 yr 4/4 Bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|----------|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| Holcomb Road | Y NX | Y NX | Y NX | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-GSRP (N. Bloomfield to Agguron)
 Flag Series: 301-331
 Observers: Julia Stearns
 Date: 8/27/2007

Wetland ID: W-07-HF-012
 Town: East Granby
 Weather: Sunny
 Time: 1200

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D)

Shrubs: Viburnum dentatum (D)
Cornus amomum (D)
Sambucus canadensis (D)
Spiraea tomentosa (D)

Saplings/Lianas:

Herbs/Forbes:
Scirpus cyperinus (C)
Osmunda cinnamomea (D)
Impatiens capensis (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|-----------------------------|-------------------------------|--|----------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded X | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves X | | Water Marks X | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns X | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|-----------------|--------------|----------------------|
| 0-16 | A | Organic | 10yr 2/1 | |
| 16-20 | B | Fine sandy loam | 10 yr 4/2 | Bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders |
| | | | | | | Gradual | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| Holcomb Road | Y NX | Y NX | Y NX | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-GSRP (N. Bloomfield to Agawam)
 Flag Series: 401-408
 Observers: Julia Stearns
 Date: 8/27/2007

Wetland ID: W-07-HF-011
 Town: East Granby
 Weather: Sunny
 Time: 1000

Dominant NWI Class: OW Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (C)

Shrubs: Cornus amomum (C)
Alnus rugosa (C)

Saplings/Lianas:
Salix sp. (C)

Herbs/Forbes:
Lemna minor (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|-----------------------------|-------------------------------|--|----------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded X | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves X | | Water Marks X | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns X | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: _____ Mineral X Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| 0-20 | Oa | Organic | 10yr 2/1 | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders |
| | | | | | | Gradual | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| Holcomb Road | Y N X | Y N X | Y N X | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT GSRP (N. Bloomfield to Agawam) Wetland ID: W-07-HF-010
 Flag Series: 401-426 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/27/2007 Time: 0800

Dominant NWI Class: PFO1 Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D) Shrubs: Cornus amomum (D)
 _____ Viburnum dentatum (D)
 _____ Sambucus canadensis (D)
 _____ Spiraea tomentosa (D)
 _____ Spiraea alba (D)

Saplings/Lianas: _____ Herbs/Forbes: Symplocarpus foetidus (S)
 _____ Onoclea sensibilis (D)
 _____ Osmunda cinnamomea (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|-----------------------------|-------------------------------|--|----------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded X | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves X | | Water Marks X | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns X | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|-----------------|--------------|----------------------|
| 0-10 | A | Fine sandy loam | 10yr 2/2 | |
| 10-16 | B | Fine sandy loam | 10yr 5/3 | Faint mottles |
| 16-20 | B2 | Fine sandy loam | 10yr 6/2 | Many bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|----------|------------|
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| Holcomb Road | Y NX | Y NX | Y NX | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT- GSRP (N. Bloomfield to Agawam) Wetland ID: W-07-HF-009
 Flag Series: 301-315 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/22/2007 Time: 1500

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D) Shrubs: Lindera benzoin (D)
Quercus rubra (C) Viburnum dentatum (D)
Sambucus canadensis (D)
 Saplings/Lianas: _____ Herbs/Forbes: Osmunda cinnamomea (C)
Polygonum sagittatum (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|-----------------------------|-------------------------------|--|----------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | <u>Semi Perm. Flooded X</u> | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves X</u> | | <u>Water Marks X</u> | | |
| | Surface Scouring | | Drift Lines | | <u>Drainage Patterns X</u> | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|-----------------|--------------|----------------------|
| 0-10 | A | Fine sandy loam | 7.5 yr 2/2 | |
| 10-18 | B | Fine sandy loam | 7.5 yr 5/2 | Many bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial X Intermittent

| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|----------|------------|
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | Notes |
|-----------------------|------------------|------------|-----------------|------------|-------------------|-------|
| Holcomb Road | Y | <u>N X</u> | Y | <u>N X</u> | Y <u>N X</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: ET-GSRP (N. Bloomfield to Agawam) Wetland ID: W-07-HF-008
 Flag Series: 301-313 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/22/2007 Time: 1300

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D) Shrubs: Lindera benzoin (D)
 _____ Viburnum dentatum (D)
 _____ Cornus amomum (D)
 _____ Sambucus canadensis (D)
 _____ Spiraea tomentosa (D)

Saplings/Lianas: _____ Herbs/Forbes: Osmunda sensibilis (D)
 _____ Osmunda cinnamomea (D)
 _____ Polygonum sagittatum (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|----------------------------|-------------------------------|--|----------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | <u>Semi Perm Flooded X</u> | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves X</u> | | <u>Water Marks X</u> | | |
| | Surface Scouring | | Drift Lines | | <u>Drainage Patterns X</u> | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth-to-Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|-----------------|--------------|----------------------|
| 0-10 | A | Fine sandy loam | 7.5 yr 2/2 | |
| 10-18 | B | Fine sandy loam | 7.5 yr 5/2 | Many bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|----------|------------|
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|-----------|-----------------|-----------|-------------------|-----------|-------|
| Holcomb Road | Y | <u>NX</u> | Y | <u>NX</u> | Y | <u>NX</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT- GSRP (N. Bloomfield to Agawam) Wetland ID: W-07-HF-007
 Flag Series: 400-409 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/22/2007 Time: 1100

Dominant NWI Class: PFO1 Other NWI Classes: PSS

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D) Shrubs: Lindera benzoin (D)
Viburnum dentatum (D)
Cornus amomum (D)
Sambucus canadensis (D)
Spiraea tomentosa (D)

Saplings/Lianas: _____ Herbs/Forbes: Osmunda sensibilis (D)
Osmunda cinnamomea (D)
Polygonum sagittatum (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|-----------------------------|-------------------------------|--|----------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded X | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves X | | Water Marks X | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns X | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|-----------------|--------------|----------------------|
| 0-10 | A | Fine sandy loam | 7.5 yr 2/2 | |
| 10-18 | B | Fine sandy loam | 7.5 yr 5/2 | Many bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial X Intermittent

| | | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| Holcomb Road | Y NX | Y NX | Y NX | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT GSRP (N. Bloomfield to Agawam) Wetland ID: W-07-HF-006
 Flag Series: 298-341 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/22/2007 Time: 1030

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____ Shrubs: Lindera benzoin (D)
 _____ Viburnum dentatum (D)
 _____ Cornus amomum (D)
 _____ Alnus rugosa (C)
 _____ Ilex verticillata (C)

Saplings/Lianas: _____ Herbs/Forbes: _____
 _____ Impatiens capensis (D)
 _____ Osmunda cinnamomea (D)
 _____ Polygonum sagittatum (D)
 _____ Solidago sp. (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|-----------------------------|-------------------------------|--|----------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded X | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves X | | Water Marks X | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns X | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|-----------------|--------------|------------------------------|
| 0-10 | A | Fine sandy loam | 7.5 yr 2/2 | |
| 10-21 | B | Fine sandy loam | 7.5 yr 5/3 | Many distinct bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| Depth @ Center: | | Bank Height: | | Channel Width | Notes: | | |
|-----------------|-----------|--------------|------|---------------------|----------|----------|------------|
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| Holcomb Road | Y (NX) | Y (NX) | Y (NX) | |

WETLAND SUMMARY FIELD DATA FORM

Project: OT- QSRP, (N. Bloomfield to Agway) Wetland ID: W-07-4F-005
 Flag Series: 101-120, 201-218 Town: East Grandy
 Observers: Julia Stearns Weather: Sunny
 Date: 8/22/07 Time: 1200

Dominant NWI Class: PEM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D off-trace) Shrubs: Alnus rugosa (C)
Pinus strobus (C) Viburnum dentatum (C)
 _____ Cornus amomum (C)
 _____ Lyonia ligustrina (C)

Saplings/Lianas: _____ Herbs/Forbes: Polygonum sagittatum (D)
 _____ Carex stricta (D)
 _____ Phalaris arundinacea (D)
 _____ Scirpus cyperinus (C)
 _____ Osmunda cinnamomea (D)
 _____ Symplocarpus foetidus (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|---|--|--|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | <input checked="" type="checkbox"/> Perm. Flooded | <input checked="" type="checkbox"/> Semi Perm. Flooded | <input checked="" type="checkbox"/> Seasonally Flooded | | Tidal: | | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: <u>1-3'</u> | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: _____ Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|----------------|--------------|----------------------|
| <u>0-20</u> | <u>Oa</u> | <u>organic</u> | | <u>Sulfur odor</u> |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|---|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: <u>Holcomb Brook / Muddy Br.</u> | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|---------------------------------------|----------------------------|---------------------------------------|-------|
| <u>Holcomb Rd</u> | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input checked="" type="checkbox"/> Y | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT- GSR P(N, Bloomfield to Agougan) Wetland ID: W-07-HF-004
 Flag Series: 101-107, 201-205 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/22/07 Time: 1000

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Salix nigra (D) Shrubs: _____

Saplings/Lianas: Salix nigra (C) Herbs/Forbes: Eupatorium maculatum (D)
Impatiens capensis (D)
Typha latifolia (C)
Osmunda cinnamomea (B)
Eupatorium perfoliatum (C)
Anoclea sensibilis (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|---------------|-------------------------|----------------------|-----------------------------|--------|---------------------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | | <u>Silt Deposition</u> | | <u>Water-Stained Leaves</u> | | <u>Water Marks</u> | |
| | | <u>Surface Scouring</u> | | Drift Lines | | <u>Drainage Patterns</u> | |
| | | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------------|----------|-------------------|-----------------|-----------------------------------|
| <u>0-10</u> | <u>A</u> | <u>Sandy loam</u> | <u>10y 2/2</u> | |
| <u>10-18</u> | <u>B</u> | <u>Sand</u> | <u>7.5y 4/4</u> | |
| <u>18-28</u> | <u>A</u> | <u>Organic</u> | <u>10y 2/1</u> | <u>Organic - buried A horizon</u> |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: 07- GSRP, (N. Bloomfield to Agawam) Wetland ID: W-07-HF-004A
 Flag Series: 301-307 Town: East Granby
 Observers: Julia Stegias Weather: Sunny
 Date: 8/22/07 Time: 0900

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (Dad Fring) Shrubs: Alnus rugosa (D)
Viburnum dentatum (D)

Saplings/Lianas: _____ Herbs/Forbes: Polygonum sagittatum (C)
Carex stricta (C)
Phalaris grandiflora (C)
Scirpus cyperinus (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|---------------------------|-----------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | <u>Semi Perm. Flooded</u> | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: _____ Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|----------------|--------------|----------------------|
| <u>0-20</u> | <u>Oa</u> | <u>organic</u> | | <u>subur odor</u> |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| <u>Turkey Hill Rd</u> | Y <u>(N)</u> | Y <u>(N)</u> | Y <u>(N)</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-GSR P. (N. Farmfield to Agg. worm) Wetland ID: W-07-HF-003
 Flag Series: 401-408 Town: East Granby
 Observers: Julia Stearns Weather: Sunny
 Date: 8/22/07 Time: 0800

Dominant NWI Class: PEM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Salix sp. (C) fringe Shrubs: _____

Saplings/Lianas: _____ Herbs/Forbes: Scirpus cypericus (D)
Carex stricta (C)
Lemna minor (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|---------------------------|-----------------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | <u>Semi Perm. Flooded</u> | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: _____ Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: Disturbed soil within an agricultural field

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| <u>Turkey Hill Rd</u> | Y <u>(N)</u> | Y <u>(N)</u> | Y <u>(N)</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: OT GSRP (Narbonne field to Aggucum) Wetland ID: W-07-HF-002
 Flag Series: 401-408 Town: East Grenby
 Observers: Julie Stearns Weather: Sunny
 Date: 8/21/07 Time: 1300

Dominant NWI Class: OW Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Salix nigra (C) Shrubs: Elaeagnus angustifolia (C) at fringe
Prunus serotina (S)

Saplings/Lianas: Salix nigra (C) Herbs/Forbes: Typha latifolia (S)
 _____ Phragmites australis (C)
 _____ Salidosa sp. (C)
 _____ Lemna minor (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: _____ Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: Disturbed soil within an agriculture field

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-GSRP(N. Bloomfield to Agawam)
 Flag Series: 101-107, 1000-218
 Observers: Julie Stearns
 Date: 8/21/07

Wetland ID: W-07-HF-001
 Town: East Granby
 Weather: Sunny
 Time: 0800

Dominant NWI Class: PSS

Other NWI Classes: PFO

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D)
Quercus rubra (C)

Shrubs: Viburnum dentatum (D)
Spiraea tomentosa (D)
Lynnia illustrata (D)
Cornus amomum (D)
Sambucus canadensis (C)

Saplings/Lianas:

Herbs/Forbes:
Osmunda cinnamomea (D)
Oxalis sensibilis (D)
Eupatorium maculatum (C)
Eupatorium perfoliatum (C)
Carex vulpinoidea (C)
Carex stricta (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|-------------------------|---------------------------|------------------------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | <u>Semi Perm. Flooded</u> | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | | |
| | <u>Buttressed Trees</u> | | Depth of Inundation: <u>6"-12"</u> | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: _____ Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|----------------|----------------|----------------------|
| <u>0-20</u> | <u>OA</u> | <u>organic</u> | <u>10p 2/1</u> | <u>Distisol</u> |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|----------|
| <u>Turkey Hill Rd</u> | <u>(Y)</u> | <u>N</u> | <u>(Y)</u> | <u>N</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: OT GSR A(N. Bloomfield to Agowom) Wetland ID: W-01-HF-022
 Flag Series: 101-144, 201-213 Town: Suffield
 Observers: T. Stegins Weather: Sunny
 Date: 8/8/07 Time: 0800

Dominant NWI Class: PFM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum (D) Shrubs: Sambucus canadensis (D)
Betula populifolia (D) Viburnum dentatum (D)
Fragaria virginiana (D) Cornus amomum (D)
Ulmus americana (C) Lindera benzoin (C)
Carya sp. (C)

Saplings/Lianas: _____ Herbs/Forbes: Osmunda cinnamomea (D)
 _____ Oenoclea sensibilis (D)
 _____ Carex stricta (D)
 _____ Osmunda regalis (C)
 _____ Sphagnum moss (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|-------------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: 6" | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|-----------------|--------------|--------------------------|
| 0-12 | A | Fine Sandy loam | 10m 2/1 | |
| 12-18 | B | " " " | 2.5m 4/2 | with many bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| Colson Rd + (Y) | N | (Y) | N | |
| N Stone Rd | | | | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT- GSRP (N. Bloomfield to Agassiz) Wetland ID: W-07-HF-023
 Flag Series: 301-310 Town: Suffield
 Observers: Julie Stearns Weather: Sunny
 Date: 8/8/07 Time: 1100

Dominant NWI Class: Pern Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____ Shrubs: _____

Saplings/Lianas: _____ Herbs/Forbes: Polygonum hydrogiper (D)
 _____ Cyperus spp. (D)
 _____ Carex vulpinoidea (D)
 _____ Scirpus cyperinus (D)
 _____ Phalaris grandinacea (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|----------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|----------------|----------------|--------------|----------------------|
| 0-10 | A _p | Fine sand loam | 10yr 2/1 | |
| 10-20 | B | Loamy sand | 10yr 5/2 | Many bright mottles |
| | | | | |
| | | | | |

Other Soil Observations: Disturbed Agricultural field

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|------------|
| <u>Nelson Rd</u> | <u>(Y)</u> | <u>(N)</u> | <u>(Y)</u> | <u>(N)</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-NW-GSRP(N.Bloomfield to Agawam) Wetland ID: W-01-HF-004
 Flag Series: 401 to 409 Town: EAST GRANBY
 Observers: JM, JS Weather: SUNNY
 Date: 7/25/07 Time: 9:00

Dominant NWI Class: PFO-1/4 Other NWI Classes: PSS

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Eastern Hemlock (D)
Red maple (A)
Yellow Birch (C)

Shrubs: Speckled Alder (C)
Northern Arrowwood (A)
Common Elderberry (S)

Saplings/Lianas:

Herbs/Forbes:

JDE-PYE-WEED (D)
Golden ROSE (A)
Sensitive Fern (A)
SPHAGNUM MOSS (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|-----------------------------|------------------------|----------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated Seasonally</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics:

Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|---------------------------------|
| 0-5 | Ap | SIL | 7.5YR 3/1 | |
| 5-20 | Bw | SIL | 7.5YR 5/3 | W/M F/D High/Low Redox features |
| | | | | |
| | | | | |

Other Soil Observations:

River/Stream Data:

Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| | Y N | Y N | Y N | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-NH-GSRP (N. Rhomboid to Agawam) Wetland ID: W-01-17F-005
 Flag Series: 301 to 310 Town: East Granby
 Observers: JW, JS Weather: Sunny
 Date: 7/25/07 Time: 10:50

Dominant NWI Class: PEM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____ Shrubs: Common elderberry (D)

Saplings/Lianas: _____ Herbs/Forbes: Jay-weed (D)
 _____ Sensitive Fern (D)
 _____ Fox grape (C)
 _____ Juncus (D)
 _____ Sedges (e)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|-------------------------------|------------------------|----------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>(Saturated Seasonally)</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|------------|------------------|---|
| <u>0-7</u> | <u>Ap</u> | <u>sil</u> | <u>2.5YR 3/1</u> | |
| <u>7-20</u> | <u>Bw</u> | <u>sil</u> | <u>7.5YR 5/3</u> | <u>uMUD High/Low Chrom Redox Features</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|--|------------|----------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders |
| | | | | | | Artificial | |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-NH GSRP (N. Bloomfield to Agawam) Wetland ID: W-01-HF-006
 Flag Series: 301-312 Town: East Granby
 Observers: JM, JS Weather: Sunny
 Date: 7/25/07 Time: 11:00

Dominant NWI Class: PSS Other NWI Classes: PFO-1

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red maple (D) Shrubs: Bj Hibiscus (D)
Wineberry (D)
Spicebush (D)
 Saplings/Lianas: _____ Herbs/Forbes: Cinnamon fern (D)
Sphagnum moss (C)
Skull cabbage (A)
Royal fern (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|-----------------------------|---------------------------|---------------------------|--|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | <u>Semi Perm. Flooded</u> | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated Seasonally</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: <u>Surface in the majority of wetland</u> | | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|----------------------|-----------------------|-------------------|----------------------|
| <u>0-4</u> | <u>Ap</u> | <u>S₂L</u> | <u>2.5Y 2.5/1</u> | |
| <u>4-20</u> | <u>B_g</u> | <u>S₂L</u> | <u>5Y 6/1</u> | |
| | | | | |
| | | | | |

Other Soil Observations: Very poorly drained organic soils in center of buttonbush swamp.

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|----------|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-NW-65RP(N. Bloomfield to Aggwan) Wetland ID: W-01-HF-007
 Flag Series: 101 to 113 Town: EAST GRANBY
 Observers: 201 to 209 Weather: SOUWY
 Date: 7/25/07 Time: 2:07

Dominant NWI Class: PFO-1 Other NWI Classes: PSS (E ROW)

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red maple (D) Shrubs: Ironwood (D)
Yellow Birch (C) Spiraea (D)
Ash Elm (S) Witch Hazel (C)
Speckled Alder (A)
Northern Arrowwood (D)

Saplings/Lianas: _____ Herbs/Forbes: Cinnamon Fern (D)
 _____ Skunk Cabbage (D)
 _____ Jewelweed (D)
 _____ Sensitive Fern (D)
 _____ Boneset (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|-----------------------------|------------------------|---------------------------|---|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated Seasonally</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns: <u>Perennial watercourse</u> | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: <u>Surface in Areas</u> | | | |

Representative Soil Characteristics: _____ Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|------------------------------------|---------------|-------------------|----------------------|
| <u>0-15</u> | <u>O_a O_e</u> | <u>ORAGIL</u> | <u>—</u> | <u>—</u> |
| <u>15</u> | | <u>SIL</u> | <u>2.5Y 2.5/1</u> | |
| | | | | |
| | | | | |

Other Soil Observations: Note: PVP habitat

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|------------------------|-----------------------------|----------------------------|----------------------------|-----------------|-----------------|-----------------|-------------------|
| Depth @ Center: | Bank Height: <u>< 1'</u> | Channel Width <u>5-10'</u> | Notes: <u>west flowing</u> | | | | |
| Flow Rate: <u>Slow</u> | <u>Moderate</u> | <u>Fast</u> | Bank Configuration: | <u>Undercut</u> | <u>Vertical</u> | <u>Gradual</u> | |
| Substrate %: | <u>Peat-Muck</u> | <u>Silt-Mud</u> | <u>Sand</u> | <u>Gravel</u> | <u>Cobbles</u> | <u>Boulders</u> | <u>Artificial</u> |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|----------|-----------------|----------|-------------------|----------|-------|
| | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>N</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-NW GSRP (N. Bloomfield to Aggwan) Wetland ID: W-01-HF-008
 Flag Series: 301-318 Town: East Granby
 Observers: JM JS Weather: Sunny
 Date: 7/25/07 Time: 2:30

Dominant NWI Class: PFO-1 Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red maple (D) Shrubs: Spicebush (D)
Winterberry (A)
 Saplings/Lianas: _____ Herbs/Forbes: Cinnamon fern (D)
Skunk Cabbage (D)
Tussack Sedge (A)
Sensitive Fern (A)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns: <u>Perennial WC</u> | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: <u>Surface in some areas</u> | | |

Representative Soil Characteristics: ✓ Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|------------|----------------------|------------|------------------|---|
| <u>0-5</u> | <u>A_p</u> | <u>SIL</u> | <u>7.5YR 3/1</u> | <u>MWD High/Low Chroma Redox Features</u> |
| | <u>B</u> | <u>SIL</u> | <u>7.5YR 5/2</u> | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: ✓ Perennial _____ Intermittent

| | | | | | | | |
|-----------------------------|------------------------|----------------------------|---------------------|-------------------------------|-----------------|-----------------|-------------------|
| Depth @ Center: <u>1-2"</u> | Bank Height: <u>2'</u> | Channel Width: <u>5-6'</u> | | Notes: <u>Flow's westerly</u> | | | |
| Flow Rate: <u>Slow</u> | <u>Moderate</u> | <u>Fast</u> | Bank Configuration: | <u>Undercut</u> | <u>Vertical</u> | <u>Gradual</u> | |
| Substrate %: | <u>Peat-Muck</u> | <u>Silt-Mud</u> | <u>Sand</u> | <u>Gravel</u> | <u>Cobbles</u> | <u>Boulders</u> | <u>Artificial</u> |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|----------|-----------------|----------|-------------------|----------|-------|
| | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>N</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-NU-6SRP(N, Bloomfield to Agawan) Wetland ID: W-01-~~10~~-009
 Flag Series: 301-309 Town: EAST GRANBY
 Observers: JM Weather: SUNNY
 Date: 7/27/07 Time: 8:00

Dominant NWI Class: PEM (Wet Meadow) Other NWI Classes: PFO-1

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____ Shrubs: Meadowweet (C)
 _____ Arrowwood (C)
 _____ Wintersbany (S)

Saplings/Lianas: _____ Herbs/Forbes: Arrow-leaved Toadflax (D)
 _____ Jewellweed - (A)
 _____ Sensitive Fern (D)
 _____ Wood grass - (C)
 _____ Poison Ivy - (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|-----------------------------|------------------------|----------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated Seasonally</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|------------------|------------------|---|
| <u>0-9</u> | <u>Ap</u> | <u>SIL</u> | <u>10YR 2/2</u> | |
| <u>9-20</u> | <u>B</u> | <u>loam / FS</u> | <u>7.5YR 5/3</u> | <u>WWD High/Low Chroma Redox features</u> |
| | | | | |
| | | | | |

Other Soil Observations: Note: signs of disturbed soils noted 4 fine roots

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|------------------|-----------------|-------------|---------------------|----------------|-----------------|-------------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
| Flow Rate: | <u>Slow</u> | <u>Moderate</u> | <u>Fast</u> | Bank Configuration: | | <u>Undercut</u> | <u>Vertical</u> |
| Substrate %: | <u>Peat-Muck</u> | <u>Silt-Mud</u> | <u>Sand</u> | <u>Gravel</u> | <u>Cobbles</u> | <u>Boulders</u> | <u>Artificial</u> |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|----------|-----------------|----------|-------------------|----------|-------|
| | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>N</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-NH-GSRP (N. Bloomfield to Agawam) Wetland ID: W-01-HF-010
 Flag Series: 301 to 312 Town: EAST GRANBY
 Observers: JW Weather: Partly Sunny
 Date: 7/27/07 Time: 9:00

Dominant NWI Class: PEM (Sedge Meadow) Other NWI Classes: PEO-1

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____ Shrubs: Steeplebush (S)
 _____ Silky doanwood (S)
 _____ Arrowwood (S)

Saplings/Lianas: _____ Herbs/Forbes: tussuck sedge (D)
 _____ Glyceria sp (A)
 _____ Soft Rush (D)
 _____ Golden Rods (C)
 _____ Arrow-leaved Kurtubus (A)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|-----------------------------|------------------------|---------------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated Seasonally</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|-----------------|----------|--------------|---------------------------|
| 0-5 | Ap | Sil | 7.5YR 2.5/1 | |
| 5-10 | Bw ₁ | loam/Vfs | 7.5YR 5/4 | MMD High/Low Chroma Redox |
| 10-20 | Bw ₂ | loam/Vfs | 7.5YR 5/3 | MMD High/Low Chroma Redox |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders |
| | | | | | | | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: OT-NW-GBRP(N. Bloomfield to Agawam) Wetland ID: W-01-HF-012
 Flag Series: 301 to 310 Town: East Granby
 Observers: Jm Weather: Sunny - Warm
 Date: 7/27/07 Time: 11:15

Dominant NWI Class: PSS Other NWI Classes: PEM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____ Shrubs: Alderwood (C)
 _____ Speckled Alder (C)
 _____ Multiflora Rose (C/A)

 Saplings/Lianas: Red Maple (C) Herbs/Forbes: Tussock Sedge (S)
 _____ Sensitive Fern (S)
 _____ Soft Rush (S)
 _____ Woolgrass (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|-----------------------------|------------------------|---------------------------|----------------------|--------|--|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated Seasonally</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | | Silt Deposition | | Water-Stained Leaves | | Water Marks | |
| | | Surface Scouring | | Drift Lines | | Drainage Patterns | |
| | | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>0-5' in the wetter locations</u> | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|------------|------------------|----------------------------------|
| <u>0-7</u> | <u>AP</u> | <u>S.L</u> | <u>7.5YR 3/1</u> | <u>MMP High Chroma Redox</u> |
| <u>7-20</u> | <u>Bg</u> | <u>S.L</u> | <u>7.5YR 5/2</u> | <u>MMD High/Low Chroma Redox</u> |
| | | | | |
| | | | | |

Other Soil Observations: Very Poorly Drained soils observed in the wetter locations

River/Stream Data: Perennial Intermittent

| | | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-NW-GSRP (N. Bloomfield to Aggucam) Wetland ID: W-01-HF-013
 Flag Series: 301 to 305 Town: East Granby
 Observers: JM, EB Weather: Sunny - Warm
 Date: 7/31/07 Time: 8:20

Dominant NWI Class: PEM Other NWI Classes: OW

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____

Shrubs: Willow (C)
Alder (C)

* man-made pond w/ concrete dam/wall in the western portion.

Saplings/Lianas: _____

Herbs/Forbes: Cattail (D)
Arrowweed (D)
Rice cut-grass (D)
Emerald sedge (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|--|--|--|-----------------------|---|------------------------------------|---|
| Non-Tidal: | <input checked="" type="radio"/> Perm. Flooded | <input type="radio"/> Semi Perm. Flooded | <input type="radio"/> Seasonally Flooded | <input type="radio"/> | Tidal: | <input type="radio"/> Subtidal | <input type="radio"/> Irregularly Exposed |
| | <input type="radio"/> Saturated | <input type="radio"/> Intermittently Flooded | <input type="radio"/> Artificially Flooded | <input type="radio"/> | | <input type="radio"/> Reg. Flooded | <input type="radio"/> Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns <u>pond</u> | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>Surface.</u> | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|--|--------------|----------------------|
| | | <u>Aqueous-disturbed soils along the edge of pond.</u> | | |
| | | <u>No description</u> | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | | |
|-----------------|---------------------------------|--------------------------------|----------------------------|---------------------|--|--------------------------------|--------------------------------|----------------------------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | <input type="radio"/> Slow | <input type="radio"/> Moderate | <input type="radio"/> Fast | Bank Configuration: | | <input type="radio"/> Undercut | <input type="radio"/> Vertical | <input type="radio"/> Gradual |
| Substrate %: | <input type="radio"/> Peat-Muck | <input type="radio"/> Silt-Mud | <input type="radio"/> Sand | Gravel | | <input type="radio"/> Cobbles | <input type="radio"/> Boulders | <input type="radio"/> Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------|
| | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-NW-GSRPA (Acorn Field to Agawam) Wetland ID: W-01-HF-021
 Flag Series: 100 to 107; 200 to 211 Town: Suffield
 Observers: JM Weather: SUNNY
 Date: 8/3/07 Time: 10:15

Dominant NWI Class: PFO-1 Other NWI Classes: PEM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red maple (D) Shrubs: Winterberry (C)
AM Elm (C) Spiricebush (D)

Saplings/Lianas: Poison Ivy (C) Herbs/Forbes: Skunk Cabbage (D)
Goldenrod (D)
Purple loosestrife (D) (Rare)
Sensitive Fern (A)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|---------------------------|---------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | <u>Semi Perm. Flooded</u> | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|------------|------------|--------------------|----------------------|
| <u>0-16</u> | <u>02a</u> | <u>—</u> | <u>—</u> | <u>—</u> |
| <u>16+</u> | | <u>SIL</u> | <u>7.5YR 2.5/1</u> | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: CT-NW-6SPF(N.Bloomfield to Agawam) Wetland ID: W-01-HF-024
 Flag Series: 101 to 124; 201 to 217 Town: SUFFIELD
 Observers: JM Weather: SUNNY
 Date: 8/9/07 Time: 8:30

Dominant NWI Class: PE1-1 Other NWI Classes: DEM (ROW)

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red Maple (D) Shrubs: SPICEBUSH (D)
Am Elm (C) ARROWWOOD (D)
Hemlock (C) Silky dogwood (A)
Green Ash (C)

Saplings/Lianas: _____ Herbs/Forbes: Wood-Road grass (D)
 _____ Sensitive Fern (D)
 _____ Ice-Pye-weed (D)
 _____ Arrow-leafed Plantain (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|-----------------------------|---------------------------|--------|---------------------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | <u>Surface seasonally</u> | |

Representative Soil Characteristics: _____ Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|----------------|--------------------|-----------------------------|
| <u>0-7</u> | <u>Ap</u> | <u>sil</u> | <u>7.5YR 2.5/2</u> | |
| <u>7-20</u> | <u>B</u> | <u>sil/vsl</u> | <u>7.5YR 5/3</u> | <u>unind High/Low Redox</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | |
|------------------------|------------------|-----------------|---------------------|-------------------|
| Depth @ Center: | Bank Height: | | Channel Width | Notes: |
| Flow Rate: <u>Slow</u> | <u>Moderate</u> | <u>Fast</u> | Bank Configuration: | <u>Undercut</u> |
| Substrate %: | <u>Peat-Muck</u> | <u>Silt-Mud</u> | <u>Gravel</u> | <u>Cobbles</u> |
| | | | | <u>Vertical</u> |
| | | | | <u>Gradual</u> |
| | | | | <u>Artificial</u> |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|----------|-----------------|----------|-------------------|----------|-------|
| | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>N</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: ESRP-CT - SOUTH RT
 Flag Series: 100-117, 200-213, 300-305
 Observers: TOS/TB
 Date: 6/20/07

Wetland ID: W-04-HA-026
 Town: Agawam/Suffield, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO Other NWI Classes: PSS, PEM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum D
Quercus bicolor C
Betula alleghaniensis C
 Shrubs: Lindera brazoria D
Viburnum dentatum C

Saplings/Lianas: Acer rubrum C
Betula alleghaniensis C
 Herbs/Forbes: Osmunda regalis C
Oxycora sp. C
Juncus effusus C
Carex sp. C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|----------------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: <u>1.2'</u> | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|---------------|-----------|-------------------|----------------|----------------------|
| <u>4-0"</u> | <u>Op</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| <u>0-8"</u> | <u>Ap</u> | <u>mucky VFSL</u> | <u>WYR2/1</u> | |
| <u>8-14"+</u> | <u>Bg</u> | <u>VFSL</u> | <u>2.5Y6/2</u> | <u>2.5Y6/6</u> |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|---------------------|
| <u>Appleton Ave.</u> | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>N</u> |
| | | | | <u>Confirmed VP</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: CSRP - CT South AT
 Flag Series: 100-114, 200-211
 Observers: TS/JB
 Date: 6/20/07

Wetland ID: W-04-HD-027
 Town: Suffield, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO

Other NWI Classes: PBS PEM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum P
Quercus bicolor A
Betula alleghaniensis L

Shrubs: Lindera benzoin A
Viburnum dentatum A

Saplings/Lianas: Acer rubrum C
Quercus bicolor C

Herbs/Forbes: Osmunda regalis C
Anacharis sp. C
Juncus effusus C
Carex spp. C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|--------------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: <u>4'</u> | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-----------|---------------|-------------------|----------------|----------------------|
| <u>Oa</u> | <u>3-0"</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| <u>Ap</u> | <u>0-10"</u> | <u>Mucky VFSL</u> | <u>10YR2/1</u> | |
| <u>Bg</u> | <u>10-16"</u> | <u>VFSL</u> | <u>2.5Y6/2</u> | <u>2.5Y6/6</u> |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| <u>Mapleton Ave</u> | <u>Y</u> | <u>N</u> | <u>Y</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: 65AP-CT South Rt
 Flag Series: 99-105 200-206
 Observers: TO'S / JB
 Date: 6/20/07

Wetland ID: W-04-HD-028
 Town: SUFFERD, CT
 Weather: -
 Time: -

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: NA

Shrubs: Rosa multiFlora A
Sambucus canadensis C

Saplings/Lianas: Salix spp. C

Herbs/Forbes: Phalaris arund; miscq. D
Scirpus cyperinus C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|---------------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: <u>26"</u> | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: disturbed hydric profile

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| | | | | |
|-----------------------|------------------|-----------------|-------------------|----------------------|
| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
| <u>Mapleton Ave</u> | <u>(Y)</u> N | Y <u>(N)</u> | <u>(Y)</u> N | <u>wetland/ditch</u> |

WETLAND SUMMARY FIELD DATA FORM

(Fairville Brook)

Project: GSAP-CT South PT
 Flag Series: 100-107, 200-207
 Observers: TJS/SB
 Date: 6/20/07

Wetland ID: W-04-HD-029 + S-04-HD-029
 Town: SUFFIELD, CT
 Weather: -
 Time: -

Dominant NWI Class: PSS Other NWI Classes: PFO, PEM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Salix spp S
Acer rubrum S

Shrubs: Sambucus canadensis C
Rosa multiflora A

Saplings/Lianas: Salix spp C
Acer rubrum C

Herbs/Forbes: Symplocarpus foetidus C
Epipactium atrorubens C
Scirpus cyperinus C
Impatiens capensis C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|-------------------------|------------------------|----------------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | <u>Silt Deposition</u> | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | <u>Surface Scouring</u> | | <u>Drift Lines</u> | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: <u>1-2'</u> | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|---------------|----------|-------------------|-----------------|----------------------|
| <u>0-14"</u> | <u>A</u> | <u>Sandy loam</u> | <u>10YR 2/1</u> | <u>-</u> |
| <u>14-20"</u> | <u>B</u> | <u>Sandy loam</u> | <u>10YR 5/2</u> | <u>10YR 5/6</u> |
| | | | | |
| | | | | |

Other Soil Observations:

River/Stream Data: S-04-HD-029 X Perennial Intermittent

| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Flow Rate | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes OFF ROW access roads available to avoid impacts to stream

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|------------------|
| <u>Mapleton Ave</u> | <u>(Y)</u> N | <u>(Y)</u> N | <u>(Y)</u> N | <u>See above</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: ESRP CT South Mt
 Flag Series: 400-408
 Observers: TD/S/JB
 Date: 6/21/07

Wetland ID: W-04-HH-030
 Town: SUFFIELD CT
 Weather: -
 Time: -

Dominant NWI Class: PEM Other NWI Classes: -

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: NA Shrubs: NA

Saplings/Lianas: NA Herbs/Forbes: Phalaris arundinacea D
Polygonum sagittatum A
Carex spp C
Juncus spp C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral - Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|----------------|-----------|------------------|----------------|----------------------|
| <u>0-10"</u> | <u>A</u> | <u>Silt/loam</u> | <u>10YR2/1</u> | <u>-</u> |
| <u>10-16"+</u> | <u>Bg</u> | <u>VFSL</u> | <u>2.5Y6/2</u> | <u>2.5Y5/6</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders |
| | | | | | | | Gradual |
| | | | | | | | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| <u>Myrtle Ave.</u> | Y <u>(N)</u> | Y <u>(N)</u> | Y <u>(N)</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: WSPR CT South RT
 Flag Series: 100-108, 200-207
 Observers: TD/S/TB
 Date: 6/2/07

Wetland ID: W-04-111 031 + 504111-008
 Town: Seaside, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum D Shrubs: Vaccinium corymbosum S

Saplings/Lianas: NA Herbs/Forbes: Pilea pumila C
Tympalifera latifolia C
Syntherisma fortidus C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|-------------------------|---------------------------|--------------------------------|---------------------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | | <u>Silt Deposition</u> | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | |
| | | <u>Surface Scouring</u> | | <u>Drift Lines</u> | <u>Drainage Patterns</u> | |
| | | Buttressed Trees | | Depth of Inundation: <u>2'</u> | Depth to Soil Saturation: | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------------|-----------|-------------------|-----------------|----------------------|
| <u>0-9</u> | <u>A</u> | <u>Mucky FSL</u> | <u>10YR 5/1</u> | |
| <u>9-16"</u> | <u>Bg</u> | <u>Sandy loam</u> | <u>2.5Y 6/4</u> | <u>2.5Y 6/4</u> |

Other Soil Observations: _____

River/Stream Data: X Perennial _____ Intermittent

| | | | | |
|-----------------|--------------|----------|---------------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | Notes: |
| Flow Rate: | Slow | Moderate | Fast | Undercut |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel |
| | | | | Cobbles |
| | | | | Boulders |
| | | | | Artificial |

Access to south of ROW with ability to avoid wetland + stream crossings

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|------------------|
| <u>Maple Ave.</u> | <u>(Y)</u> N | <u>(Y)</u> N | <u>(Y)</u> N | <u>See above</u> |

WETLAND SUMMARY FIELD DATA FORM

CT River

Project: 6 SRP CT South Pt
 Flag Series: 100-107 200-207
 Observers: TCB/JB
 Date: 6/11/07

Wetland ID: W04-HD034 + S-04-HD-009 (same line) MAHW
 Town: SUFFIELD/ENFIELD, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Populus deltoides D Shrubs: Salix nigra
Acer saccharinum C

Saplings/Lianas: Acer saccharinum C Herbs/Forbes: _____
Populus deltoides C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|---------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: CT River X Perennial _____ Intermittent

| | | | |
|--------------------------------------|---------------------|-----------------------------|--------|
| Depth @ Center: | Bank Height: | Channel Width: | Notes: |
| Flow Rate: Slow Moderate Fast | Bank Configuration: | Undercut Vertical Gradual | |
| Substrate %: Peat-Muck Silt-Mud Sand | Gravel | Cobbles Boulders Artificial | |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-----------------|
| <u>Mapleton Ave.</u> | Y N | Y N | Y N | <u>CT River</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: GSAP CT South RT
 Flag Series: 100-109, 200-209, 300-310
 Observers: TCS, JB
 Date: 6/26/07

Wetland ID: W-04-HD-033
 Town: Eastford, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO Other NWI Classes: PBS PEM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum D
Quercus polustris C
 Shrubs: Alnus fragnula C
Vaccinium corymbosum C
Linnaea borealis C
Ilex verticillata C

Saplings/Lianas: Acer rubrum C
Quercus polustris C
 Herbs/Forbes: Juncus effusus C
Utricularia sparganii A
Carex spp. C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|--------------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: <u>1'</u> | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|---------------|----------------------|-------------------|----------------|----------------------|
| <u>0-11"</u> | <u>A₁</u> | <u>Sandy loam</u> | <u>10YR2/1</u> | <u>-</u> |
| <u>11-16"</u> | <u>B_g</u> | <u>Sandy loam</u> | <u>2.5Y6/2</u> | <u>2.5Y6/4</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | |
|-----------------|--------------|----------|---------------|---------------------|
| Depth @ Center: | Bank Height: | | Channel Width | Notes: |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel |
| | | | | Cobbles |
| | | | | Boulders |
| | | | | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|------------|
| <u>RT 91</u> | <u>(Y)</u> | <u>N</u> | <u>(Y)</u> | <u>N</u> |
| | | <u>(N)</u> | | <u>PUP</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP-CT South RI
 Flag Series: 100-108, 300-305, 399-319, 199-219
 Observers: ZS/JB
 Date: 6/26/07

Wetland ID: W-04-110-035 + S-04-110-010
 Town: Enfield, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO

Other NWI Classes: PSS, PEM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum D
Quercus palustris C

Shrubs: Rhamnus Frangula C
Viburnum dentatum C
Vaccinium corymbosum C
Lindera benzoin C
Ilex verticillata C

Saplings/Lianas: Acer rubrum C
Quercus palustris C

Herbs/Forbes: Oxycoccus sensibilis C
Juncus effusus C
Carex spp C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|---------------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: <u>12'</u> | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral X Organic many areas mineral

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|----------------|-----------|----------|--------------|----------------------|
| <u>0-13" +</u> | <u>Oa</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: Many areas of mineral soil present.

River/Stream Data: X Perennial Intermittent

| | | | | |
|-----------------|--------------|----------|---------------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | Notes: |
| Flow Rate: | Slow | Moderate | Fast | Undercut |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Vertical |
| | | | Gravel | Gradual |
| | | | | Cobbles |
| | | | | Boulders |
| | | | | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| <u>RT 91</u> | <u>(Y)</u> N | <u>(Y)</u> N | <u>(Y)</u> N | |

WETLAND SUMMARY FIELD DATA FORM

Project: LSRP-CT South RI
 Flag Series: 300-309
 Observers: TO'S / JB
 Date: 6/18/07

Wetland ID: W-04-HD-036
 Town: Enfield
 Weather: -
 Time: -

Dominant NWI Class: PEM Other NWI Classes: PSS

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum S

Shrubs: Rosa multiflora A
Sambucus canadensis S

Saplings/Lianas: Acer rubrum S

Herbs/Forbes: Syntherisma affinis C
Empetrum nigrum C
Carex flacca C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|-------------------------|---------------------------|-----------------------------|---------------------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | | <u>Silt Deposition</u> | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | |
| | | <u>Surface Scouring</u> | | <u>Drift Lines</u> | <u>Drainage Patterns</u> | |
| | | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: Asterisk & hydric profile

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| <u>RT 91</u> | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP-CT South Pt Wetland ID: W-04-HD-037
 Flag Series: 100-115, 197-211, 400-401, 1400-1405 Town: Enfield
 Observers: TGS/JB Weather: -
 Date: 6/29/07 Time: -

Dominant NWI Class: PEM Other NWI Classes: PSS, PFO

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum S Shrubs: Lindera benzoin C
Viburnum lentatum C
Alnus rugosa C

Saplings/Lianas: Acer rubrum S Herbs/Forbes: Carex lasiocarpa C
Phalaris arundinacea A
Lythrum salicaria C
Juncus effusus C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|-------------------------|------------------------|----------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | <u>Surface Scouring</u> | | Drift Lines | | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|----------------|-----------|-------------|----------------|----------------------|
| <u>0-13"</u> | <u>Ap</u> | <u>FSL</u> | <u>10YR2/1</u> | <u>-</u> |
| <u>13-18"+</u> | <u>Bg</u> | <u>rFSL</u> | <u>2.5Y6/1</u> | <u>2.5Y5/3</u> |
| | | | | |
| | | | | |

Other Soil Observations:

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|--------------------------------|------------------|-----------------|-------------------|----------|
| <u>Bright Meadow Blvd. (Y)</u> | <u>N</u> | <u>Y</u> | <u>(Y)</u> | <u>N</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP-CT South Pt Wetland ID: W-04-HD-038 + S-04-HD-012
 Flag Series: 100-108, 300-313, 1-300-B08 197-212 Town: Enfield, CT
 Observers: TC/S/BB Weather: -
 Date: 4/19/07 Time: -

Dominant NWI Class: PFO Other NWI Classes: PEM P55

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum A Shrubs: Liana brazei C
Quercus bicolor C Viburnum lentago C
Quercus palustris C

Saplings/Lianas: Acer rubrum C Herbs/Forbes: Eupatorium maculatum C
Quercus bicolor C L. purum subvaria C
Quercus palustris C Typha latifolia C
Phlox arvensis C
Polygonum sagittatum C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|-------------------------|---------------------------|-----------------------------|---------------------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | | <u>Silt Deposition</u> | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | |
| | | <u>Surface Scouring</u> | | <u>Drift Lines</u> | <u>Drainage Patterns</u> | |
| | | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|---------------|-----------|-------------|-----------------|----------------------|
| <u>0-10</u> | <u>Ap</u> | <u>FSL</u> | <u>10YR 3/2</u> | |
| <u>10-18"</u> | <u>Bg</u> | <u>vFSL</u> | <u>10YR 5/4</u> | <u>2.5Y 5/6</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: X Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|----------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width: | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|---------------------------|------------------|-----------------|-------------------|-------|
| <u>Bright Meadow Blvd</u> | <u>(Y)</u> N | <u>(Y)</u> N | <u>(Y)</u> N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSAP - CT South Pt
 Flag Series: 400-412
 Observers: TO'S/JB
 Date: 6/29/07

Wetland ID: W-04-MD-040
 Town: ENFIELD, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO Other NWI Classes: PSS

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum A Shrubs: Viburnum dentatum C

Saplings/Lianas: Acer rubrum C Herbs/Forbes: Eupatorium maculatum C
Vitis labrusca C Solidago rugosa C
 _____ Onoclea sensibilis C
 _____ Juncus effusus C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|-------------------------|------------------------|----------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | <u>Surface Scouring</u> | | Drift Lines | <u>Drainage Patterns</u> | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|----------|----------------|---------|--------------|----------------------|
| 0-12" | A _p | FSL | 10YR 3/3 | - |
| 12-18" + | B _g | FSL | 10YR 6/2 | 10YR 5/6 |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | Notes: | | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|--------------------------------|------------------|-----------------|-------------------|-------|
| Bright Meadow Blvd. <u>(Y)</u> | N | Y <u>(N)</u> | <u>(Y)</u> N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP-CT South Pt
 Flag Series: 400-426
 Observers: TO'S / JB
 Date: 6/24/07

Wetland ID: W-04-111-041
 Town: Enfield, CT
 Weather: _____
 Time: _____

Dominant NWI Class: PFO Other NWI Classes: PS S

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum A Shrubs: Viburnum dentatum C

Saplings/Lianas: Acer rubrum C Vitic labrusca C
 Herbs/Forbes: Solidago rugosa C Quercus sensibilib C Juncus effusus C Eupatorium maculatum C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|-------------------------|------------------------|----------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | <u>Surface Scouring</u> | | Drift Lines | <u>Drainage Patterns</u> | | | |
| | Butressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------|----------------|---------|--------------|----------------------|
| 0-10" | A ₂ | FSL | 10YR 3/3 | |
| 10-16" | B ₅ | VFSL | 10YR 6/2 | 10YR 5/6 |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | Notes: | | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|---------------------------|------------------|-----------------|-------------------|-------|
| <u>Bright Meadow Blvd</u> | <u>0</u> | <u>Y</u> | <u>Y</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSAP-CT South Pt
 Flag Series: 300-325
 Observers: TD/S/JB
 Date: 7/9/07

Wetland ID: W-04-HH-043
 Town: Enfield, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO Other NWI Classes: PSS PEM OW

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum C
Ulmus americana A
 Shrubs: Ilex verticillata C
Cornus amomum C

Saplings/Lianas: Acer rubrum C
 Herbs/Forbes: Typha latifolia C
Scirpus cyperinus S
Scirpus validus C
Empetrum virginicum C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|--|---|---|---------------------------|--------|------------------------------------|---|
| Non-Tidal: | <input checked="" type="radio"/> Perm. Flooded | <input checked="" type="radio"/> Semi Perm. Flooded | <input checked="" type="radio"/> Seasonally Flooded | | Tidal: | <input type="radio"/> Subtidal | <input type="radio"/> Irregularly Exposed |
| | <input checked="" type="radio"/> Saturated | <input checked="" type="radio"/> Intermittently Flooded | <input type="radio"/> Artificially Flooded | | | <input type="radio"/> Reg. Flooded | <input type="radio"/> Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-----------|--------------|-------------------|----------------|----------------------|
| <u>0a</u> | <u>3-0"</u> | | | |
| <u>A</u> | <u>0-8"</u> | <u>mucky VFSL</u> | <u>10YR2/1</u> | |
| <u>Bg</u> | <u>8-18"</u> | <u>VFSL</u> | <u>2.5Y6/2</u> | <u>2.5Y6/6</u> |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
|-----------------|--|---------------------|--|-----------------------------------|-----------------------------------|-------------------------------------|--|
| Flow Rate: | <input type="checkbox"/> Slow <input type="checkbox"/> Moderate <input type="checkbox"/> Fast | Bank Configuration: | | <input type="checkbox"/> Undercut | <input type="checkbox"/> Vertical | <input type="checkbox"/> Gradual | |
| Substrate %: | <input type="checkbox"/> Peat-Muck <input type="checkbox"/> Silt-Mud <input type="checkbox"/> Sand | Gravel | | <input type="checkbox"/> Cobbles | <input type="checkbox"/> Boulders | <input type="checkbox"/> Artificial | |

Access Routes wetland can be avoided

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------------|---------------------------------------|---------------------------------------|---------------------------------------|------------------|
| <u>George Washington Rd</u> | <input checked="" type="checkbox"/> N | <input checked="" type="checkbox"/> Y | <input checked="" type="checkbox"/> Y | <u>See above</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP CT South Mt
 Flag Series: 400-406
 Observers: TOS/SB
 Date: 7/3/07

Wetland ID: W-04-HD-044
 Town: Enfield, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum D

Shrubs: Viburnum lentatum A
Vaccinium corymbosum A

Saplings/Lianas: Acer rubrum C

Herbs/Forbes: NA

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|-----------------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|---------------|----------------------|-------------------|----------------|----------------------|
| <u>4-0</u> | <u>O_a</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| <u>0-8'</u> | <u>A</u> | <u>mucky VFSL</u> | <u>10YR2/1</u> | <u>-</u> |
| <u>8-14"+</u> | <u>B_g</u> | <u>VFSL</u> | <u>2.5Y0/2</u> | <u>2.5Y0/6</u> |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------------|------------------|-----------------|-------------------|------------|
| <u>George Washington Rd</u> | Y <u>(N)</u> | Y <u>(N)</u> | Y <u>(N)</u> | <u>PVP</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: ESRP CT SATHAT
 Flag Series: 93-109 200-273
 Observers: TOPS/JSB
 Date: 7/3/07

Wetland ID: W-04-110-045
 Town: Eastfield, CT
 Weather: _____
 Time: _____

Dominant NWI Class: PFO Other NWI Classes: PSS - PEM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum D
Quercus bicolor A

Shrubs: Spiraea latifolia S
Viburnum dentatum C
Ilex verticillata C
Sambucus canadensis S

Saplings/Lianas: Acer rubrum C
Quercus bicolor C

Herbs/Forbes: Osmunda regalis S
Osmunda cinnamomea C
Oxycorys sensibilis C
Symplocarpus foetidus C
Carex crinita S

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|-----------------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-----------------|-----------|-------------------|----------------|----------------------|
| <u>7-0" top</u> | <u>Da</u> | | | |
| <u>0-10"</u> | <u>A</u> | <u>Mucky VFSL</u> | <u>10YR3/1</u> | |
| <u>10-16"+</u> | <u>Bg</u> | <u>VFSL</u> | <u>2.5Y4/1</u> | <u>2.5Y 4/6</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| | | | | |
|-----------------------------|------------------|-----------------|-------------------|------------|
| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
| <u>George Washington Rd</u> | <u>(Y)</u> | <u>N</u> | <u>Y</u> | <u>N</u> |
| | | <u>(N)</u> | <u>(Y)</u> | <u>PUP</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: GSAP-CT South Pt
 Flag Series: 400-914, 1-911-21-911, 400-405
 Observers: TDS/TB
 Date: 3/6/07

Wetland ID: W-04-ND-096
 Town: Enfield, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO Other NWI Classes: PEMPS S

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum C
Quercus bicolor C

Shrubs: Viburnum lentatum C
Sambucus canadensis C
Spiraea tomentosa C

Saplings/Lianas: Acer rubrum C
Quercus bicolor C

Herbs/Forbes: Sphagnum moss (sp) C
Eleocharis sp. C
Carex crinita C
Carex hystrix C
Carex flacca C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|-----------------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: Distributed/compacted soils

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------------|------------------|-----------------|-------------------|------------|
| <u>George Washington Rd</u> | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>PVP</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP-CT South A1
 Flag Series: 400-406
 Observers: D/S/TB
 Date: 7/4/07

Wetland ID: W-04-HD-047
 Town: Enfield, CT
 Weather: -
 Time: -

Dominant NWI Class: PEM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: NA

Shrubs: Spiraea tomentosa C

Saplings/Lianas: NA

Herbs/Forbes: Oxycoccus latifolius C
Carex trichoides C
Scirpus cyperinus C
Juncus effusus C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| <u>Barnard Rd</u> | Y <u>(N)</u> | Y <u>(N)</u> | Y <u>(N)</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: ESRP-CT SOUTH RT
 Flag Series: 400-414
 Observers: TDG/SB
 Date: 7/6/07

Wetland ID: W-09-111-099
 Town: Enfield, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO

Other NWI Classes: PBM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Quercus palustris C
Acer rubrum C
Quercus bicolor C

Shrubs: Vaccinium corymbosum C
Ilex verticillata C
Viburnum dentatum C
Viburnum cassinoides S

Saplings/Lianas:

Herbs/Forbes:
Osmunda regalis C
Osmunda cinnamomea A

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|-----------------------------|---------------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: | <u>Depth to Soil Saturation</u> | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|---------------|-----------|-------------|----------------|----------------------|
| <u>0-10"</u> | <u>Ap</u> | <u>P3L</u> | <u>10YR2/1</u> | |
| <u>10-18"</u> | <u>B5</u> | <u>VF3L</u> | <u>2.5Y5/2</u> | <u>2.5Y6/6</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| | | | | |
|-----------------------|------------------|-----------------|-------------------|------------|
| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
| <u>Armand Rd.</u> | Y <u>(N)</u> | Y <u>(N)</u> | Y <u>(N)</u> | <u>PVF</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP-CT SOUTH RT
 Flag Series: 400-416
 Observers: TDS/JS
 Date: 9/6/07

Wetland ID: W-04-HD-049
 Town: Enfield, CT
 Weather: -
 Time: -

Dominant NWI Class: PSS Other NWI Classes: PEM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: NA

Shrubs: Spiraea latifolia C
Spiraea tomentosa C
Rosa multiflora C

Saplings/Lianas: NA

Herbs/Forbes: Elychalis sp. C
Scirpus cyperinus C
Scirpus validus C
Alisma subcordatum C
Typha latifolia C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------------|----------------------|-------------|----------------|----------------------|
| <u>0-8</u> | <u>A₁</u> | <u>FSL</u> | <u>10YR2/1</u> | <u>-</u> |
| <u>8-16"</u> | <u>B₃</u> | <u>VFSL</u> | <u>2.5Y5/2</u> | <u>2.5Y6/6</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | | |
|-----------------|--------------|----------|------|---------------------|--|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|---------------------|---------------------|---------------------|------------|
| <u>Brainard Rd</u> | <u>Y</u> <u>(N)</u> | <u>Y</u> <u>(N)</u> | <u>Y</u> <u>(N)</u> | <u>PVP</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: GSPP CT South RI
 Flag Series: 400-406
 Observers: TS/JSB
 Date: 7/6/07

Wetland ID: W-04AD-050
 Town: ENFIELD CT
 Weather: -
 Time: -

Dominant NWI Class: PEM Other NWI Classes: -

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: NA Shrubs: NA

Saplings/Lianas: NA Herbs/Forbes: Scirpus cyperinus A
Typha latifolia A
Phalaris arundinacea A

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|-----------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| <u>Pranoid Rd</u> | Y <u>(N)</u> | Y <u>(N)</u> | Y <u>(N)</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP - CT South
 Flag Series: 300-336
 Observers: TOS-JB
 Date: 7/9/07

Wetland ID: W-04-HD-053
 Town: Enfield, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO

Other NWI Classes: PEM, PSS

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Quercus palustris C
Nyssa sylvatica C
Acer rubrum A

Shrubs: Cephalanthus occidentalis C
Spiraea latifolia C
Spiraea tomentosa C

Saplings/Lianas: Acer rubrum C
Nyssa sylvatica C
Quercus palustris C

Herbs/Forbes: Typha latifolia C
Scirpus cyperinus C
Phragmites australis S

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|-----------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics:

X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|----------------|-----------------------|------------|----------------|----------------------|
| <u>0-9"</u> | <u>A</u> | <u>FSL</u> | <u>2.5/N</u> | <u>-</u> |
| <u>9-14"</u> | <u>Bw₁</u> | <u>SL</u> | <u>10YR3/2</u> | <u>-</u> |
| <u>14-20"+</u> | <u>Bw₂</u> | <u>SL</u> | <u>2.5Y4/4</u> | <u>-</u> |

Other Soil Observations: water table @ 6"

River/Stream Data:

_____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|------------------------|------------------|-----------------|-------------------|------------|
| <u>May Field Drive</u> | Y <u>(N)</u> | Y <u>(N)</u> | Y <u>(N)</u> | <u>PUP</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: 6-SRP-CT South Pt
 Flag Series: 300-318
 Observers: TDS/SB
 Date: 7/9/07

Wetland ID: W-09-HD 059
 Town: Enfield, CT
 Weather: -
 Time: -

Dominant NWI Class: PFO Other NWI Classes: PSS

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum D
Quercus polystris C
Nyssa sylvatica C

Shrubs: Cephalanthus occidentalis C
Spiraea latifolia C
Spiraea tomentosa S

Saplings/Lianas: Acer rubrum C
Quercus polystris C
Nyssa sylvatica C

Herbs/Forbes: Nyssa latifolia S

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|----------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|---------|----------------|---------|--------------|----------------------|
| 0-12" | A | FSL | 2.5/11 | - |
| 12-16"+ | B ₅ | FSL | 2.5/6/1 | - |
| | | | | |
| | | | | |

Other Soil Observations:

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes Wetland can be avoided off ROW on ROW crossing requires swamp mats.

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|---------------|
| May Field Drive | Y (N) | Y (N) | Y (N) | see above PDP |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP - CT SOUTH RT
 Flag Series: 899-312
 Observers: TS/TB
 Date: 7/19/07

Wetland ID: W-04-HD-055
 Town: Enfield, CT
 Weather: -
 Time: -

Dominant NWI Class: _____ Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Acer rubrum D
Quercus polystrica C
Nyssa sylvatica C

Shrubs: Cephalanthus occidentalis C
Spiraea latifolia C
Elaeagnus verticillata C
Vaccinium corymbosum C
Rubus odoratus viscosum C

Saplings/Lianas: Acer rubrum C
Quercus polystrica C
Nyssa sylvatica S

Herbs/Forbes: Syntherisma sp C

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|-----------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|---------------|-----------|----------------|------------------|----------------------|
| <u>6-0"</u> | <u>Oa</u> | | | |
| <u>0-10"</u> | <u>A</u> | <u>2.5/1</u> | <u>mucky FSC</u> | |
| <u>10-16"</u> | <u>B3</u> | <u>2.5/5/1</u> | <u>FSL</u> | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|------------|
| <u>Mayfield Drive</u> | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>PLP</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP CT South Pt Wetland ID: W-04-WD-056
 Flag Series: 100-111, 111-118, 119-120, 1300-1306 Town: Enfield, CT
 Observers: TJS/TJB Weather: -
 Date: 7/10/07 Time: -

Dominant NWI Class: PFO Other NWI Classes: PBS PEM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Quercus palustris C Shrubs: Rhabdovium S
Myrica sylvatica C Vibiscum S
Acer rubrum D Vaccinium corymbosum C
Viburnum dentatum C
Ilex verticillata C
Spartanocarpus occidentalis S

Saplings/Lianas: Acer rubrum A Herbs/Forbes: Carex spp. S
Quercus palustris C Juncus spp. S
Myrica sylvatica C Cyperus maculatum S
Typha latifolia S
Sagittaria arifolia S

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|-----------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | <u>Water-Stained Leaves</u> | <u>Water Marks</u> | | |
| | Surface Scouring | | Drift Lines | <u>Drainage Patterns</u> | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: X Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|----------------|----------------------|------------|--------------|----------------------|
| <u>X 0-10"</u> | <u>A₁</u> | <u>FSL</u> | <u>2.5/W</u> | |
| <u>10-17"</u> | <u>B₁</u> | <u>FSL</u> | <u>2.5/W</u> | <u>2.5 Y6/6</u> |
| | | | | |
| | | | | |

Other Soil Observations:

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| | | | | |
|-----------------------|------------------|-----------------|-------------------|--------------|
| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
| <u>Mayfield Drive</u> | <u>(Y)</u> | <u>N</u> | <u>(Y)</u> | <u>N PVP</u> |

WETLAND SUMMARY FIELD DATA FORM

Project: Manchester Substation to Meekville Jct. Wetland ID: _____
 Flag Series: 200 to 245 Town: Manchester
 Observers: JM Weather: Sunny - 40's
 Date: 3/25/08 Time: 9:30

Dominant NWI Class: PSS Other NWI Classes: PFO-1

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Baldpate (D) Shrubs: Silky dogwood (D)
Adirondack (A)
Willow (A)
Hemlock (C)

Saplings/Lianas: _____ Herbs/Forbes: Skunk cabbage (D)
Golden Mustard (A)
Sensitive Fern (A)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|-------------------------|---------------------------|-----------------------------|--|---|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | <u>Semi Perm. Flooded</u> | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | <u>Silt Deposition</u> | | <u>Water-Stained Leaves</u> | | Water Marks | | |
| | <u>Surface Scouring</u> | | <u>Drift Lines</u> | | Drainage Patterns <u>Watercourse</u> | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>>12" in most areas</u> | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|------------------------|--------------|----------------------|
| | | <u>Disturbed soils</u> | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|-----------------|---------------|---------------------|-----------------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | <u>Moderate</u> | Fast | Bank Configuration: | <u>Undercut</u> | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | <u>Sand</u> | <u>Gravel</u> | <u>Cobbles</u> | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: Manchester Substation to Meekville Rd. Wetland ID: W-01-HF-004
 Flag Series: 401 to 422 Town: Manchester
 Observers: JM Weather: Cloudy - 50's
 Date: 3/27/08 Time: 10:45

Dominant NWI Class: _____ Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____ Shrubs: Alder (D)
 _____ Silky sedge
 _____ Meadowweet
 _____ Willow

Saplings/Lianas: _____ Herbs/Forbes: Common Ragwort (D)
 _____ Swamp Milkweed (S)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|--|---|--|---|--------------------------|---|---------------------------------------|--|
| Non-Tidal: | <input checked="" type="checkbox"/> Perm. Flooded | <input checked="" type="checkbox"/> Semi Perm. Flooded | <input type="checkbox"/> Seasonally Flooded | <input type="checkbox"/> | Tidal: | <input type="checkbox"/> Subtidal | <input type="checkbox"/> Irregularly Exposed |
| <u>Det. Pond</u> <u>Southwest</u> <u>A Wetland</u> | <input checked="" type="checkbox"/> Saturated | <input type="checkbox"/> Intermittently Flooded | <input type="checkbox"/> Artificially Flooded | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Reg. Flooded | <input type="checkbox"/> Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>Surface in most areas</u> | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|----------------------|-----------|-----------------------|-----------------------------------|
| <u>6-20</u> | <u>C¹</u> | <u>SL</u> | <u>7.5YR 4/3, 4/4</u> | <u>MUD HC Redox</u> |
| | | | | <u>Disturbed soils throughout</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial Intermittent

| | | | | | | | | |
|-----------------|--------------|----------|------|---------------------|--|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: Manchester Substation, Beckville Jct
 Flag Series: 301 to 333
 Observers: JW
 Date: 3/27/08

Wetland ID: W-01-HF-006
 Town: Manchester, CT
 Weather: Mostly cloudy - 40's
 Time: 2:00

Dominant NWI Class: PEM Other NWI Classes: PSS/PFO-1

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red Maple (D) Wooded Areas

Shrubs: Silky dogwood (A)
Multiflora Rose (A)
Honeysuckle (C)
Common elderberry (A)

Saplings/Lianas: Grape (C)
Bittersweet (A)

Herbs/Forbes: Common Reed (C)
Soft Rush (S)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|---------------------------|---|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: >12" | Depth to Soil Saturation: Surface in many areas | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| 0-20 | Oae | Muck | Black | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: Mineral soils observed along the western portion

River/Stream Data: Perennial Intermittent

| | | | | | | | | | |
|-----------------|--------------|----------|------|---------------------|--|--|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: Manchester Substation to Meriden Jct. Wetland ID: W-01-HF-007
 Flag Series: 301 to 312 Town: Manchester, CT
 Observers: JM Weather: Mostly Cloudy - 40's
 Date: 3/27/08 Time: 3:15

Dominant NWI Class: PEM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____ Shrubs: Common elderberry (A) edge
 _____ Silky dogwood (A) edge
 _____ Northern Spicebush (C) edge
 _____ Spicelike Alder (A) edge

Saplings/Lianas: _____ Herbs/Forbes: Skunk cabbage (A)
 _____ Common reed (S)
 _____ Cattail (D)
 _____ Wool grass (C)
 _____ Sedge - (C/D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|---------------------------|---------------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | <u>Semi Perm. Flooded</u> | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics: _____ Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|-----------|-------------|--------------|----------------------|
| 0-20 | <u>Os</u> | <u>muck</u> | <u>Black</u> | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: Manchester Substation to Meekville Jct. Wetland ID: W-01-HF-009
 Flag Series: 101 to 119, 201 to 212, 401 to 404 Town: Manchester, CT
 Observers: Jm Weather: Mostly Cloudy 40's
 Date: 3/27/08 Time: 5:00

Dominant NWI Class: PEM Other NWI Classes: PSS/PFO-1

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red maple (D) Wooded Areas
 Shrubs: Northern Arrowwood (A)
Silly Dogwood (A)
Sheepbush (C)
W. Honeysuckle (C)
 Saplings/Lianas: _____
 Herbs/Forbes: Woolgrass (A)
Swamp Milkweed (C)
Sedges (D)
Sensitive Fern (A)
Common Reed (A)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|---------------------------|--------|----------------------------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | | Silt Deposition | Water-Stained Leaves | Water Marks | | | |
| | | Surface Scouring | Drift Lines | Drainage Patterns | | | |
| | | Buttressed Trees | Depth of Inundation: | Depth to Soil Saturation: | | <u>surface in many locations</u> | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|-----------------------------------|
| 0-10 | AP | sil | 7.5YR 2.5/2 | |
| 10-20 | B | sil | 7.5YR 5/3 | <u>High/Low chromin Redox mud</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | |
|------------------------|--------------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | Channel Width | | Notes: | | |
| Flow Rate: Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

* Note: W-04406 coincides with previously delineated wetland W-04-HD-035.

WETLAND SUMMARY FIELD DATA FORM

Project: OSRP R+US Understream Variation
 Flag Series: 100-103, 300-325, 299-317, 199-219
 Observers: Jm, EB
 Date: 10-22-07

Wetland ID: W-01-HF-04406
 Town: Exfield
 Weather: SUNNY
 Time: 12:00

Dominant NWI Class: PSS Other NWI Classes: PFO

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red Maple (D)
Pin Oak (C)

Shrubs: Glossy Buckthorn (D)
Spicebush (C)
Winterberry (C)

Saplings/Lianas:

Herbs/Forbes: Sensitive Fern (C)
Soft Rush (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|----------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics:

| Depth | Horizon | Texture | Matrix Color | | Redox Features/Notes |
|-------|---------|---------|--------------|---------|----------------------|
| | | | Mineral | Organic | |
| 0-8 | Ap | S/L | 7.5YR 2.5/2 | | |
| 8-20 | B | S/L | 7.5YR 5/2 | | MINOR Redox Features |
| | | | | | |
| | | | | | |

Other Soil Observations:

River/Stream Data:

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|----------|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP Rt16 & Underground Variation Wetland ID: 10-01-HF-04606
 Flag Series: 301 to 304 Town: Enfield
 Observers: JM, EB Weather: SUNNY
 Date: 10-22-07 Time: 12:40

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red Maple (D) Shrubs: _____
Elm (C) _____

 Saplings/Lianas: _____ Herbs/Forbes: C. Waterweed (S)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | |
|------------------------|------------------|------------------------|---------------------------|---|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: <u>>20"</u> | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------------------|-----------|--------------|--|
| <u>0-6</u> | <u>^C₁</u> | <u>fs</u> | <u>—</u> | <u>Sandy Recliments from Rt.5</u> |
| <u>6-25</u> | <u>^C₂</u> | <u>ls</u> | <u>—</u> | <u>Mix of organic material & sandy sediments</u> |
| | | | | |
| | | | | |

Other Soil Observations: Disturbed soils adjacent to Rt.5 / floodplain soils (Waterworks Brook)

River/Stream Data: Perennial Waterworks Brook Intermittent

| | | | |
|-------------------------------|----------------------------|------------------------------|-------------------------------------|
| Depth @ Center: <u>6"-12"</u> | Bank Height: <u>1.5-2'</u> | Channel Width: <u>20-25'</u> | Notes: <u>flow - west/sw</u> |
| Flow Rate: <u>Slow</u> | <u>Moderate</u> | <u>Fast</u> | Bank Configuration: <u>Undercut</u> |
| Substrate %: | <u>Peat-Muck</u> | <u>Silt-Mud</u> | <u>Sand</u> |
| | | <u>Gravel</u> | <u>Cobbles</u> |
| | | | <u>Boulders</u> |
| | | | <u>Artificial</u> |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP Rt 168 underground Variation
 Flag Series: 301 to 304
 Observers: JM, EB
 Date: 10-22-07

Wetland ID: W-01-HF-048 UG
 Town: Enfield
 Weather: Sunny
 Time: 2:00

Dominant NWI Class: PFO Other NWI Classes: PEM

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red Maple (D) Shrubs: Multiflora Rose (C)

 Saplings/Lianas: _____ Herbs/Forbes: Sensitive Fern (D)
 _____ Cattail (S)
 _____ Royal Fern (S)
 _____ Smartweed (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: _____ Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: Not Able to Review soils due to fence

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | | |
|-----------------|--------------|----------|------|---------------------|--|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP R1168 Underground Vegetation
 Flag Series: 100 to 117
 Observers: JW, EB
 Date: 10-16-07

Wetland ID: W-01-HF-001 UG
 Town: EAST GRANBY
 Weather: SUNNY
 Time: 8:00

Dominant NWI Class: PFO-1 Other NWI Classes: PSS w/in 6' of ROW

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red maple (D)
American Elm (C)
White Pine (S)

Shrubs: Spicebush (D)
Common Erlenbush (C)
Speckled Alder (C)
Northern Arrowwood (D)
Silky dogwood (A)

Saplings/Lianas:

Herbs/Forbes: Jewelweed (D)
Cinnamon Fern (D)
Skunk Cabbage (D)
Possum Ivy (D)
Sensitive Fern (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|-------------------------------|
| 0-5 | Ap | sil | 7.5YR 2.5/2 | |
| 5-15+ | Bg | SIL | 7.5YR 5/2 | MUD H/L Chroma Redox Features |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP-RH168 Undergrndns Variation
 Flag Series: 101 to 107
 Observers: JM, EB
 Date: 10-16-07

Wetland ID: W-01-HF-002UG
 Town: East Goshody
 Weather: Sunny
 Time: 8:30

Dominant NWI Class: PSS Other NWI Classes: PFO

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red Maple (D)

Shrubs: Northern greenwood (D)
Sleepy bush (C)
Mulleberry (C)
Silky dogwood (A)

Saplings/Lianas:

Herbs/Forbes:
Chickadee Fern (D)
Sensitive Fern (D)
Joe-Pye-weed (C)
Boneset (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|---------------------------|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|---------------|--------------|---|
| <u>0-15</u> | <u>1C</u> | <u>SL/SSL</u> | | <u>disturbed soils adjacent to the toe of slope of Turkey Hill RD</u> |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | Notes: | | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP R+168 Undergrowth Variation
 Flag Series: 30140 305
 Observers: JW, EB
 Date: 10-16-07

Wetland ID: W-01-14F-006UG
 Town: East Granby
 Weather: SUNNY
 Time: 10:45

Dominant NWI Class: PEM Other NWI Classes: PFO

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____

Shrubs: Silky dogwood (C)
Red maple (C)
Multiflora Rose (C)

Saplings/Lianas: Red maple (C)

Herbs/Forbes: Red/Canary grass (D)
Goldenrods (D)
Sensitive Fern (A)
Jewelweed (C)
Usual sedge (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|--|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns <u>Watercourse</u> | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>Surface in many areas</u> | | |

Representative Soil Characteristics:

Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------------|----------|-------------|-----------------------|--|
| <u>0-2</u> | <u>A</u> | <u>fsl</u> | <u>7.5YR 3/2</u> | <u>High Chroma Redox Features</u> <u>within Redox</u> |
| <u>2-15+</u> | <u>B</u> | <u>Loam</u> | <u>7.5YR 4/2, 4/3</u> | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data:

Perennial muddy BR. Intermittent

| | | | | | |
|-----------------------------|-------------------------|----------------------------|---------------------------|----------|------------|
| Depth @ Center: <u>3-5"</u> | Bank Height: <u>12"</u> | Channel Width: <u>5-7'</u> | Notes: <u>NON EROSIVE</u> | | |
| Flow Rate: <u>(Slow)</u> | Moderate | Fast | Bank Configuration: | Undercut | Vertical |
| Substrate %: | Peat-Muck | <u>Silt-Mud</u> | Gravel | Cobbles | Boulders |
| | | <u>Sand</u> | | | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| | Y N | Y N | Y N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP R1188 Undergrains Variation
 Flag Series: 301 to 305
 Observers: JW, EB
 Date: 10-16-07

Wetland ID: W-01-HF-007 U6
 Town: East Granby
 Weather: SUNNY
 Time: 11:15

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red maple (D)
Am Elm (C)
Hickory (S)

Shrubs: Silky dogwood (S)
Arrowwood (D)
Common elderberry (C)

Saplings/Lianas: Poison ivy (D)

Herbs/Forbes: Skunk Cabbage (C)
FoldenPod (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|------------|-----------------|------------------------------------|
| <u>0-8</u> | <u>AP</u> | <u>s:l</u> | <u>10YR 2/2</u> | |
| <u>8-20</u> | <u>Bw</u> | <u>s:l</u> | <u>10YR 5/2</u> | <u>MMD High/Low Redox Features</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: No flow on 10/16/07 Perennial Intermittent

| | | | | | | |
|------------------------|----------------------------|-----------------|--------------------------|---------------------------|----------|------------|
| Depth @ Center: | Bank Height: <u>1-1.5'</u> | | Channel Width: <u>3'</u> | Notes: <u>Quartz flow</u> | | |
| Flow Rate: <u>Slow</u> | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | <u>Silt-Mud</u> | Sand | Gravel | Cobbles | Boulders |
| | | | | | | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP Rt 168 Underground Variation
 Flag Series: 301 to 306 ; 301a to 306a
 Observers: JM, ETB
 Date: 10-16-07

Wetland ID: W-01-11F-008 W0
 Town: East Granby
 Weather: Sunny
 Time: 11:45

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red Maple (D)

Shrubs: Winterberry (D)
Arrowweed (D)

Saplings/Lianas: Poison Ivy (D)

Herbs/Forbes: Royal Fern (S)
Cinnamon Fern (S)
Wood Fern (S)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|---------------|------------------------|----------------------|----------------------|--------|---|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | | Silt Deposition | | Water-Stained Leaves | | Water Marks | |
| | | Surface Scouring | | Drift Lines | | Drainage Patterns | |
| | | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>to surface in Areas</u> | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|------------|--------------------|---------------------------|
| <u>0-5</u> | <u>Ap</u> | <u>Sil</u> | <u>7.5YR 2.5/2</u> | |
| <u>5-20</u> | <u>B</u> | <u>Sil</u> | <u>7.5Y 5/2</u> | <u>MMD Redox Features</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|---------|----------|--------------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Gradual Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP R+168 Undergrowth Variation
 Flag Series: 300 to 303
 Observers: _____
 Date: _____

Wetland ID: W-01-14E-010 UG
 Town: East Granby
 Weather: Sunny
 Time: 12:15

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red Maple (D)
Am Elm (D)

Shrubs: Winterberry (D)

Saplings/Lianas: _____

Herbs/Forbes: Skunk cabbage (D)
Cinnamon Fern (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|--|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>to surface to ~ 8"</u> | | |

Representative Soil Characteristics: _____ Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|----------------|---------|----------------|-------------------------------------|
| 0-8 | Ap | Sil | 7.5YR 2.5/1 | |
| 8-20 | B _g | Sil | 7.5YR 5/2, 5/1 | <u>MUD High/Low Redox features.</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP R+166 Underground Variation
 Flag Series: 301 to 307
 Observers: JW, EB
 Date: 10-17-07

Wetland ID: W-01-HF-01166
 Town: EAST Granby
 Weather: Sunny
 Time: 9:00

Dominant NWI Class: PEM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____

Shrubs: Elm (S)

Saplings/Lianas: _____

Herbs/Forbes: Reed common grass (D)
Tussuck Sedge (D)
Arrow-leaved Plantain (C)
Sensitive Fern (C)
Purple Loosestrife (S)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|------------------------------|
| 0-15 | Ap | S/L | 7.5YR 2.5/1 | MMP High/Low Redox Features. |
| 15-20 | Bg | S/L | 7.5YR 5/2 | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | |
|-----------------|--------------|----------|---------------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | Notes: |
| Flow Rate: | Slow | Moderate | Fast | Undercut |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Vertical |
| | | | Gravel | Boulders |
| | | | | Gradual |
| | | | | Cobbles |
| | | | | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP RTHOK Undergramp Variation
 Flag Series: 301 to 306
 Observers: JM, EB
 Date: 10-16-07

Wetland ID: W-01-HF-04UG
 Town: East Crosby
 Weather: Sunny
 Time: 3:15

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Swamp white oak (D)
Am Elm (S)

Shrubs: Multiflora Rose (C)
Winterberry (C)
Spiraea bush (C)
Silky dogwood (C)
Borberry (C)

Saplings/Lianas: Possum Ivy (C)

Herbs/Forbes: Tussack sedge (C)
Sensitive Fern (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| 0-12 | Ap | SL | 7.5YR 3/2 | |
| 12-20 | Bw | SL | 7.5YR 5/3 | mmid High/Low Redox |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial Intermittent

| | | | | | | | |
|-----------------|-----------|--------------|------|---------------------|--|----------|------------|
| Depth @ Center: | | Bank Height: | | Channel Width | | Notes: | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders |
| | | | | | | | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP RT 116 Underpass Variation
 Flag Series: 301 to 305
 Observers: JM, EB
 Date: 10-17-07

Wetland ID: W-01-HF-015 W6
 Town: East Granby
 Weather: Sunny
 Time: 10:45

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red maple (D)
Elm (D)

Shrubs: Multiflora Rose (C)
Silky dogwood (D)
Arbutus (D)

Saplings/Lianas: Bittersweet (D)
Poison Ivy (D)

Herbs/Forbes: Araucaria (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|-----------------------------|---|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | <u>Artificially Flooded</u> | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: <u>>12"</u> | | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------------|-----------|------------|------------------|---------------------------|
| <u>0-12</u> | <u>Ap</u> | <u>Sil</u> | <u>7.5YR 3/2</u> | |
| <u>12-15</u> | <u>Bw</u> | <u>Sil</u> | <u>7.5YR 5/3</u> | <u>MWD Redox features</u> |
| | | | | |
| | | | | |

Other Soil Observations: Wetland adjacent/within active construction zone for the widening of RT 20.

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP RHLX (Wetlands/Vegetation)
 Flag Series: 301 to 306
 Observers: JM EM
 Date: 10-17-07

Wetland ID: W-01-HF-017 UO
 Town: East Granby
 Weather: Sunny
 Time: 1:00

Dominant NWI Class: PEM Other NWI Classes: PSS

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____

Shrubs: Silky dogwood (D) PSS path

Saplings/Lianas: _____

Herbs/Forbes: New York Ironweed (S)
Soft Rush (C)
Smartweeds (D)
Purple Loosestrife (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|---|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>>12"</u> | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|------------|--------------|----------------------|
| <u>0-15</u> | <u>AC</u> | <u>SIL</u> | <u>-</u> | <u>-</u> |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: PD/VPD fill soils adjacent to R+20/Excavated Ditch

River/Stream Data: Perennial Intermittent

| | | | | | | | | |
|-----------------|--------------|----------|------|---------------------|--|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP R7168 Underground Variation
 Flag Series: 307 to 311
 Observers: JM EB
 Date: 10-17-07

Wetland ID: W-01-HF-018-UG
 Town: East Granby
 Weather: Sunny
 Time: 9:40

Dominant NWI Class: PEM

Other NWI Classes: PSS/PFO East side

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red maple (D) wooded swamp
Elm (S)

Shrubs: Silky dogwood (D)
ARB wood (D)
Winterberry (C)

Saplings/Lianas:

Herbs/Forbes:

Cinnamon fern (D)
Royal Fern (S)
Sensitive Fern (S)
Skunk cabbage
CA Hoop (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|---------------------------|---------------------------|---|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | <u>Semi Perm. Flooded</u> | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: <u>Surface in many locations</u> | | | |

Representative Soil Characteristics:

_____ Mineral

Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|---------------------------|-----------------------|------------|------------------|----------------------|
| <u>0-15</u> <u>15+</u> | <u>O_{ae}</u> | <u>SIL</u> | <u>7.5YR 4/1</u> | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data:

_____ Perennial

_____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSPP R+I& Undergrnd Variation
 Flag Series: 301 to 309
 Observers: JM, EB
 Date: 10-17-07

Wetland ID: W-01-HE-01966
 Town: EAST GRANBY
 Weather: Sunny
 Time: 1:45

Dominant NWI Class: PEM Other NWI Classes: PSS/PFO

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____

Shrubs: Silky dogwood (C)
Alder (D)

Saplings/Lianas: _____

Herbs/Forbes: soft Rush (D)
Cattail (S)
Red Canary grass (D)
Aster (C)
purple loosestrife (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|---|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: <u>> 12" to surface</u> | | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------------|-----------|------------|--------------------|--------------------------|
| <u>0-12</u> | <u>Ap</u> | <u>SIL</u> | <u>7.5UR 2.5/2</u> | |
| <u>12-20</u> | <u>Bg</u> | <u>SIL</u> | <u>7.5UR 5/2</u> | <u>MMP Redox Feature</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------------------|--------------------------|---------------------------|-------------------------------|----------|---------|----------|------------|
| Depth @ Center: <u>2-4"</u> | Bank Height: <u>1-2'</u> | Channel Width: <u>10'</u> | Notes: <u>flow - North/NE</u> | | | | |
| Flow Rate: <u>Slow</u> | <u>Moderate</u> | Fast | Bank Configuration: | Undercut | Gradual | | |
| Substrate %: | Peat-Muck | <u>Silt-Mud</u> | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP Rt 116 Undergrains Variation
 Flag Series: 301 to 304
 Observers: JMEB
 Date: 10-17-07

Wetland ID: W-01-HF-022 U6
 Town: East Granby
 Weather: Sunny
 Time: 17:45

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: ELM (D)
Red maple (A)

Shrubs: Spiral bush (C)
Winterberry (C)
Multiflora Dog (C)

Saplings/Lianas: Poison Ivy (D)

Herbs/Forbes: Sedges (C)
CA Plant (S)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|--|---|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>>12"</u> | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|----------------------|------------|--------------------|---------------------------|
| <u>0-5</u> | <u>HP</u> | <u>SIL</u> | <u>7.5YR 2.5/2</u> | |
| <u>5-20</u> | <u>B_g</u> | <u>SIL</u> | <u>7.5YR 5/2</u> | <u>MMD Redox Features</u> |
| | | | | |
| | | | | |

Other Soil Observations: Adjacent to the active Road Construction - Rt 20

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP R4168 Undergrowth Variation
 Flag Series: 301 to 305
 Observers: JW, EB
 Date: 10-17-07

Wetland ID: W-01-HF-024 UB
 Town: East Granby
 Weather: Sunny
 Time: 2:15

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: RED maple (D)

Shrubs: Alder (D)
PRUNELLA (D)
SILKY dogwood (C)

Saplings/Lianas:

Herbs/Forbes:
SENSITIVE Fern (D)
Jewelweed (D)
Royal Fern (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|-------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | <u>> 12"</u> | | |

Representative Soil Characteristics:

Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------------|-----------|------------|--------------------|--|
| <u>0-12</u> | <u>Ap</u> | <u>SIL</u> | <u>7.5YR 2.5/2</u> | <u>Redox features throughout</u> <u>Mm P/D High/Low Redox</u> |
| <u>12-20</u> | <u>Bg</u> | <u>SIL</u> | <u>7.5YR 4/1</u> | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data:

Perennial Intermittent

| | | | | | |
|-------------------------------|--------------------------|-----------------------------------|----------------------------|----------|------------|
| Depth @ Center: <u>2-4"</u> | Bank Height: <u>1-2'</u> | Channel Width: <u>10-15'</u> | Notes: <u>Flow - North</u> | | |
| Flow Rate: <u>Moderate</u> | Fast | Bank Configuration: <u>Gravel</u> | Undercut | Vertical | Gradual |
| Substrate %: <u>Peat-Muck</u> | <u>Silt-Mud</u> | Sand | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP Rt 116 & Underpass Variation
 Flag Series: 301 to 308
 Observers: Jm, EB
 Date: 10-18-07

Wetland ID: W-01-HF-089UG
 Town: Suffield
 Weather: Cloudy
 Time: 1:20

Dominant NWI Class: PEM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____

Shrubs: _____

Saplings/Lianas: _____

Herbs/Forbes: Reed Canary grass (D)
Soft Rush (C)
Golden Rods (D)
Sensitive Fern (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|--|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>> 15"</u> | | |

Representative Soil Characteristics:

Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------------|-----------|-------------|------------------|----------------------|
| <u>0-12</u> | <u>AP</u> | <u>SIL</u> | <u>7.5YR 3/2</u> | |
| <u>12-20</u> | <u>B</u> | <u>Vfsl</u> | <u>7.5YR 5/2</u> | <u>MMP Redox</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data:

Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP R+168 Underground Variation
 Flag Series: 301 to 305
 Observers: JW, EB
 Date: 10-18-07

Wetland ID: U-01-HF-030 UB
 Town: East Granby
 Weather: Cloudy
 Time: 11:00

Dominant NWI Class: PEM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____

Shrubs: Mult. flower Rose (S)

Saplings/Lianas: _____

Herbs/Forbes: Reed (CANARY GRASS) (D)
CAHML (S)
GRASS (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|----------------------|---|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | | Depth of Inundation: | Depth to Soil Saturation: <u>> 72"</u> | | |

Representative Soil Characteristics:

Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|----------|--------------|-------------------------------|
| 0-10 | Ap | SIL | 7.5YR 3/2 | |
| 10-20 | Bg | SIL/VECL | 7.5YR 5/2 | MMD Redox features throughout |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data:

Perennial Intermittent

| | | | |
|--------------------------------|------------------------|------------------------------|-------------------------|
| Depth @ Center: <u>24" +/-</u> | Bank Height: <u>1'</u> | Channel Width: <u>20-25'</u> | Notes: <u>Flow east</u> |
| Flow Rate: <u>Slow</u> | Moderate | Fast | |
| Substrate %: | Peat-Muck | <u>Silt-Mud</u> | Sand |
| | | Gravel | Bank Configuration: |
| | | | Undercut |
| | | | Cobbles |
| | | | Vertical |
| | | | Boulders |
| | | | Gradual |
| | | | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | Stream Crossing | Swamp Mats Needed | Notes |
|-----------------------|------------------|-----------------|-------------------|-------|
| | Y N | Y N | Y N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP R1164 Underground Variation
 Flag Series: 301 to 309
 Observers: JM, BB
 Date: 10-18-07

Wetland ID: W-01-HF-03106
 Town: Suffield
 Weather: Cloudy
 Time: 2:00

Dominant NWI Class: PEM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Elm located along
Red Maple the toe of slope
4 R + 16 X
 Shrubs: _____

Saplings/Lianas: _____
 Herbs/Forbes: Sedge (D)
GRASSES (D)
OOHAIL (S)
Red CHAMPAIGN GRASS (A)
Sensitive Fern (S)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|--|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: | | |

Representative Soil Characteristics: _____ Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--|---------|---------|--------------|----------------------|
| ** NOT Able to view soils due to extensive fencing around study corridor | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: Active pasture w/ farm ponds on the eastern side

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP Rt 168 Underground Variation
 Flag Series: 401 to 404
 Observers: EB, JIM
 Date: 10-18-07

Wetland ID: W-01-11F-032UG
 Town: East Granby
 Weather: Cloudy
 Time: 11:15

Dominant NWI Class: PEM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____

Shrubs: _____

Saplings/Lianas: _____

Herbs/Forbes: Cattail (D)
Pond weed (D)
Soft Stem Bulrush (S)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|----------------------|----------------------|---------------------------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | Seasonally Flooded | | Tidal: | Subtidal | Irregularly Exposed |
| | Saturated | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | | Water-Stained Leaves | Water Marks | | |
| | Surface Scouring | | | Drift Lines | Drainage Patterns | | |
| | Buttressed Trees | | | Depth of Inundation: | Depth to Soil Saturation: | | |

Representative Soil Characteristics:

Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------|---------|---------|--------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: MIA-MADE POND w/ abrupt BOUNDARY - Soils - Disturbed.

River/Stream Data:

Perennial Intermittent

| | | | | | | | |
|------------------------|--------------|------|---------------------|----------|----------|------------|--|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual | |
| Substrate %: Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial | |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP - Rt 168 Undergrnd Variation
 Flag Series: 301 to 308
 Observers: JM, EB
 Date: 10-22-07

Wetland ID: W-01-HF-035 U6
 Town: Suffield
 Weather: Sunny
 Time: 9:30

Dominant NWI Class: PFD Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red maple (D)
Elm (C)
yellow Birch (S)

Shrubs: Winterberry (D)
Spicebush (D)

Saplings/Lianas: Poison Ivy (D)

Herbs/Forbes: Jewelweed (C)
Burnweed (C)
Tussile sedge (C/D)
Skunk cabbage (A)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|--|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>12 1/2 "</u> | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------------|-----------|------------|------------------|---------------------------|
| <u>0-10</u> | <u>Ap</u> | <u>SIL</u> | <u>7.5YR 3/2</u> | |
| <u>10-20</u> | <u>B</u> | <u>SIL</u> | <u>7.5YR 5/2</u> | <u>MMD Redox Features</u> |
| | | | | |
| | | | | |

Other Soil Observations: NOTE VPD soils NOTED in the wetter locations (North)

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|------------------------|------------------|-----------------|---------------------|---------------|-----------------|-----------------|-------------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: <u>Slow</u> | <u>Moderate</u> | <u>Fast</u> | Bank Configuration: | | <u>Undercut</u> | <u>Vertical</u> | <u>Gradual</u> |
| Substrate %: | <u>Peat-Muck</u> | <u>Silt-Mud</u> | <u>Sand</u> | <u>Gravel</u> | <u>Cobbles</u> | <u>Boulders</u> | <u>Artificial</u> |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|----------|-----------------|----------|-------------------|----------|-------|
| | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>N</u> | <u>Y</u> | <u>N</u> | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP R1168 Underground Variation
 Flag Series: 301 to 304
 Observers: JM, ER
 Date: 10-17-07

Wetland ID: W-01-HF-036 UG
 Town: Suffield
 Weather: Cloudy
 Time: 1:45

Dominant NWI Class: PFW Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____

Shrubs: _____

Saplings/Lianas: _____

Herbs/Forbes: grasses (D)
Reed canary grass (S)
Clver (S)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|--|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>> 12"</u> | | |

Representative Soil Characteristics:

Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|--------------|-----------|-------------|-----------------------|----------------------|
| <u>0-12</u> | <u>Ap</u> | <u>sil</u> | <u>7.5YR 3/2</u> | |
| <u>12-20</u> | <u>B</u> | <u>ufsl</u> | <u>7.5YR 5/3, 5/2</u> | <u>mm d/p Redox</u> |
| | | | | |
| | | | | |

Other Soil Observations: mountain wet meadow

River/Stream Data:

Perennial Intermittent

| | | | | | | | | |
|-----------------|--------------|----------|------|---------------------|--|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP-R1168 Undergrowth Variation
 Flag Series: 301 to 315
 Observers: JM, EB
 Date: 10-22-07

Wetland ID: W-01-HF-03746
 Town: Suffield
 Weather: Sunny
 Time: 10:00

Dominant NWI Class: PFO Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: Red maple (D)
Elm (C)

Shrubs: Spicebush (D)

Saplings/Lianas: Poison ivy (D)

Herbs/Forbes: Skunk cabbage (D)
Jack-in-the-pulpit (C)
Clearweed (S)
Tussuck sedge (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|--------|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: <u>Surface northern portion</u> | | | |

Representative Soil Characteristics: _____ Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-------------|------------|-----------------|----------------------|
| <u>0-22</u> | <u>Oa,e</u> | | | |
| <u>22</u> | | <u>vfs</u> | <u>10YR 5/1</u> | |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | |
|-----------------|--------------|----------|------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: LSRP R+16x Underwood Variation
 Flag Series: 301 to 304
 Observers: JM, EB
 Date: 10-18-07

Wetland ID: W-01-HF-038UG
 Town: Suffield
 Weather: Cloudy
 Time: 2:30

Dominant NWI Class: PEM Other NWI Classes: PSS

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____

Shrubs: Winterberry (S)
Amurweed (S)

Saplings/Lianas: _____

Herbs/Forbes: Cat tail (D)
Grasses (C)
Reed Canary grass (S)
Clusia (C)
Goldenrod (C)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|--|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>Near surface in areas.</u> | | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|----------------|--------------------|--|
| <u>0-8</u> | <u>Ap</u> | <u>SIL</u> | <u>7.5YR 2.5/1</u> | |
| <u>8-20</u> | <u>Bg</u> | <u>SIL/Vfs</u> | <u>7.5YR 4/1</u> | <u>MUF/D Redox features - Irish chroma</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: GSRP Rt 168 Undergrnd Variation
 Flag Series: 201 to 305
 Observers: JW, EB
 Date: 10-22-07

Wetland ID: W-01-HF-039UG
 Town: Suffield
 Weather: SUNNY
 Time: 10:35

Dominant NWI Class: PEM Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____

Shrubs: Spicebush (C)

Saplings/Lianas: _____

Herbs/Forbes: Sedges (D)
Sensitive Corn (D)
Juncus (D)
RAHAIL (C)
ROED CANARY GRASS (D)

D = Dominant (>50%), A = Abundant (26-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|---------------------------|--------|----------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | Water Marks | | | |
| | Surface Scouring | | Drift Lines | Drainage Patterns | | | |
| | Buttressed Trees | | Depth of Inundation: | Depth to Soil Saturation: | | <u>>12"</u> | |

Representative Soil Characteristics: Mineral Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|----------|------------|----------------------|----------------------|
| <u>0-15</u> | <u>C</u> | <u>SLL</u> | <u>10YR 4/3, 4/2</u> | |
| | | | | |
| | | | | |
| | | | | |

Other Soil Observations: Disturbed soils adjacent to Mountain RD (Rt. 168)

River/Stream Data: Perennial Intermittent

| | | | | | | | |
|-----------------|--------------|----------|---------------|---------------------|----------|----------|------------|
| Depth @ Center: | Bank Height: | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

WETLAND SUMMARY FIELD DATA FORM

Project: USRP R116 & Undergrains Variation Wetland ID: W-01-HF-04106
 Flag Series: 301 to 307 Town: 50 Field
 Observers: JM, EB Weather: SUNNY
 Date: 10-22-07 Time: 10:50

Dominant NWI Class: PSS Other NWI Classes: _____

Representative Vegetation (Record Species and Occurrence Percentage):

Trees: _____

Shrubs: Willow (C)
Arrowweed (D)
Glossy Buckthorn (S)

Saplings/Lianas: _____

Herbs/Forbes: Jewelweed (C)
Sensitive Fern (D)

D = Dominant (>50%), A = Abundant (25-50%), C = Common (6-25%), S = Sparse (<5%)

Representative Hydrologic Characteristics (Circle where appropriate)

| | | | | | | | |
|------------------------|------------------|------------------------|---------------------------|--|---|--------------|---------------------|
| Non-Tidal: | Perm. Flooded | Semi Perm. Flooded | <u>Seasonally Flooded</u> | | Tidal: | Subtidal | Irregularly Exposed |
| | <u>Saturated</u> | Intermittently Flooded | Artificially Flooded | | | Reg. Flooded | Irregularly Flooded |
| Hydrologic Indicators: | Silt Deposition | | Water-Stained Leaves | | Water Marks | | |
| | Surface Scouring | | Drift Lines | | Drainage Patterns | | |
| | Buttressed Trees | | Depth of Inundation: | | Depth to Soil Saturation: <u>> 1/2"</u> | | |

Representative Soil Characteristics: _____ Mineral _____ Organic

| Depth | Horizon | Texture | Matrix Color | Redox Features/Notes |
|-------------|-----------|----------------|-----------------------|----------------------|
| <u>0-9</u> | <u>AP</u> | <u>SIL</u> | <u>7.5YR 2.5/2</u> | |
| <u>9-20</u> | <u>Bw</u> | <u>SIL/UGS</u> | <u>7.5YR 5/3, 5/2</u> | <u>MWD Redox</u> |
| | | | | |
| | | | | |

Other Soil Observations: _____

River/Stream Data: _____ Perennial _____ Intermittent

| | | | | | | | | |
|-----------------|--------------|----------|------|---------------------|--|----------|----------|------------|
| Depth @ Center: | Bank Height: | | | Channel Width | | Notes: | | |
| Flow Rate: | Slow | Moderate | Fast | Bank Configuration: | | Undercut | Vertical | Gradual |
| Substrate %: | Peat-Muck | Silt-Mud | Sand | Gravel | | Cobbles | Boulders | Artificial |

Access Routes

| Nearest Road Crossing | Wetland Crossing | | Stream Crossing | | Swamp Mats Needed | | Notes |
|-----------------------|------------------|---|-----------------|---|-------------------|---|-------|
| | Y | N | Y | N | Y | N | |

Appendix D
Representative Site Photographs



W04HF001, photograph looking northwest



W04HF012, photograph looking northeast



W08HF002, photograph looking southwest



W08HF004, photograph looking northeast



W08HF008, photograph looking northwest



W08HF009 and S08HF002



W09HF001



W09HF002, photograph looking west



W04HF003, photograph looking southwest



W04HF004, photograph looking south



W04HF005, photograph looking northeast



Wetland W07HF019, photograph looking northwest



Wetland W07HF018, photograph looking north



Wetland W07HF017, photograph looking south



Wetland W07HF016, photograph looking west



Wetland W07HF015



Wetland W07HF014, photograph looking northeast



Wetland W07HF013, photograph looking northwest



Wetland W07HF012, photograph looking east



Wetland W07HF011



Wetland W07HF010, photograph looking west



Wetland W07HF009



Wetland W07HF008



Wetland W07HF007, photograph looking east



Wetland W07HF006, photograph looking south



Wetland W07HF005



Wetland W07HF004, photograph looking west



Wetland W07HF003



Wetland W07HF002



Wetland W07HF001



Wetland W01HF001, photograph looking northeast



Wetland W01HF002, photograph looking east



Wetland W01HF003, photograph looking northwest



Wetland W01HF004, photograph looking southwest



Wetland W01HF007, photograph looking south



Wetland W01HF008, photograph looking west



Wetland W01HF009, photograph looking south



Wetland W01HF010, photograph looking north



Wetland W01HF011, photograph looking south



Wetland W01HF013, photograph looking northwest



Wetland W01HF014, photograph looking northwest



Wetland W01HF015, photograph looking southeast



Wetland W01HF016, photograph looking south



Wetland W01HF017, photograph looking northwest



Wetland W01HF018, photograph looking west



Wetland W01HF019, photograph looking west



Wetland W01HF021, photograph looking north



Wetland W01HF022, photograph looking northeast



Wetland W01HF023, photograph looking southeast



Wetland W01HF024, photograph looking northwest



Wetland W01HF025, photograph looking northwest



Wetland W04HA026, photograph looking east



Wetland W04HA027, photograph looking east



Wetland W04HA028, photograph looking west



Wetland W04HA029, photograph looking east



Wetland W04HA030, photograph looking southwest



Wetland W04HA031



Wetland W04HA032, photograph looking southwest



Wetland W04HD033, photograph looking southwest



Wetland W04HA034, Connecticut River, photograph looking north (Suffield, CT)



Wetland W04HA034, Connecticut River, photograph looking south (Longmeadow, MA)



Wetland W04HD035, photograph looking southeast



Wetland W04HD036, photograph looking southeast



Wetland W04HD037, photograph looking east



Wetland W04HD038, photograph looking northwest



Wetland W04HD039, photograph looking southwest



Wetland W04HD040, photograph looking north



Wetland W04HD041, photograph looking north



Wetland W04HD043, photograph looking west



Wetland W04HD045, photograph looking southeast



Wetland W04HD046, photograph looking west



Wetland W04HD047, photograph looking west



Wetland W04HD048, photograph looking south



Wetland W04HD049, photograph looking west



Wetland W04HD053, photograph looking east



Wetland W04HD054, photograph looking east



Wetland W04HD055, photograph looking east



Wetland W04HD056, photograph looking east



W88HA021, photograph looking northwest



W88HA013, photograph looking north



W88HA011, photograph looking southwest



W88HA005, photograph looking south



W01HF001, photograph looking north



W01HF003, photograph looking north



W01HF004, photograph looking north



W01HF005, photograph looking northeast



W01HF006, photograph looking northwest



W01HF007, photograph looking northeast



W01HF008, photograph looking east



Wetland W01HF009, photograph looking west



Wetland W01HF010, photograph looking southeast



Wetland W01HF001 UG, photograph looking south



Wetland W01HF002 UG, photograph looking south



Wetland W01HF003 UG, photograph looking northwest



Wetland W01HF004 UG, photograph looking south



Wetland W01HF005 UG, photograph looking northwest



Wetland W01HF006 UG, photograph looking south



Wetland W01HF007 UG, photograph looking west



Wetland W01HF008 UG, photograph looking northwest



Wetland W01HF009 UG, photograph looking south



Wetland W01HF010 UG, photograph looking south



Wetland W01HF011 UG, photograph looking west



Wetland W01HF012 UG, photograph looking south



Wetland W01HF013 UG, photograph looking northwest



Wetland W01HF014 UG, photograph looking northwest



Wetland W01HF015 UG, photograph looking northeast



Wetland W01HF016 UG, photograph looking southeast



Wetland W01HF017 UG, photograph looking west



Wetland W01HF018 UG, photograph looking south



Wetland W01HF019 UG, photograph looking northeast



Wetland W01HF020 UG, photograph looking southeast



Wetland W01HF021 UG, photograph looking west



Wetland W01HF022 UG, photograph looking southeast



Wetland W01HF023 UG, photograph looking northwest



Wetland W01HF024 UG, photograph looking south



Wetland W01HF025 UG, photograph looking northeast



Wetland W01HF026 UG, photograph looking west



Wetland W01HF027 UG, photograph looking south



Wetland W01HF028 UG, photograph looking southeast



Wetland W01HF029 UG, photograph looking northeast



Wetland W01HF030 UG, photograph looking southeast



Wetland W01HF031 UG, photograph looking northeast



Wetland W01HF032 UG, photograph looking east



Wetland W01HF033 UG, photograph looking southwest



Wetland W01HF034 UG, photograph looking north



Wetland W01HF035 UG, photograph looking southwest



Wetland W01HF036 UG, photograph looking southwest



Wetland W01HF037 UG, photograph looking southwest



Wetland W01HF038 UG, photograph looking south



Wetland W01HF039 UG, photograph looking southwest



Wetland W01HF040 UG, photograph looking northeast



Wetland W01HF041 UG, photograph looking northwest



Wetland W01HF042 UG, photograph looking southeast



Wetland W01HF043UG, photograph looking west



Wetland W01HF044UG, photograph looking southwest



Wetland W01HF046UG, photograph looking west



Wetland W01HG048UG, photograph looking southeast