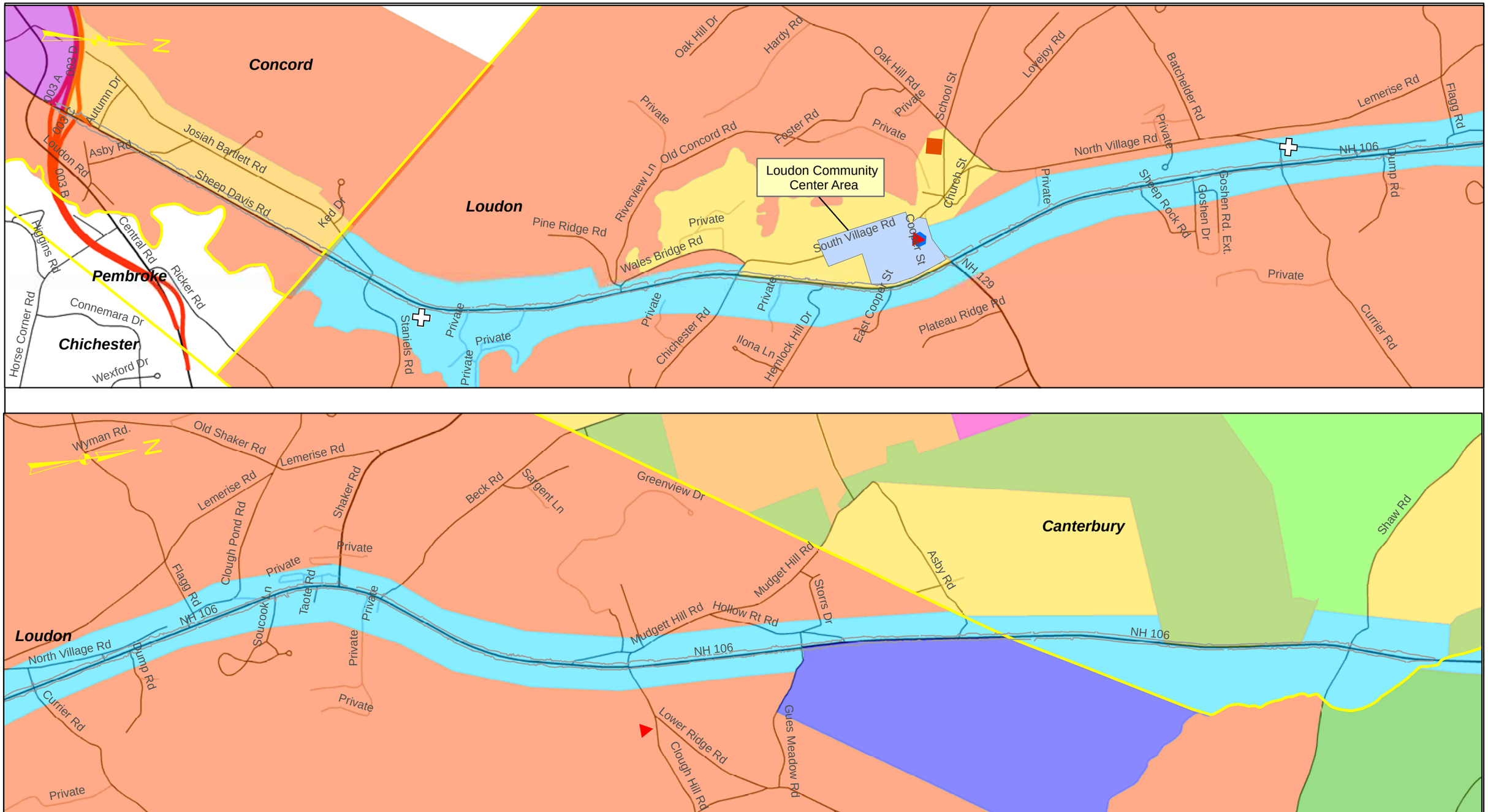


Concord Zoning

- Gateway Performance District
- Med Dens Residential
- Open Space Residential

Loudon Zoning

- Agricultural / Forestry Preservation
- Commercial / Industrial
- Commercial / Recreational
- Rural Residential
- Village

Canterbury Zoning

- Agricultural / Conservation
- Natural Resource
- Commercial
- Rural
- SV
- Shaker

Miles: 0 0.25 0.5 1

- Schools
- Places of Worship
- Law Enforcement
- Fire Stations

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

NH ROUTE 106 INTERIM CORRIDOR STUDY

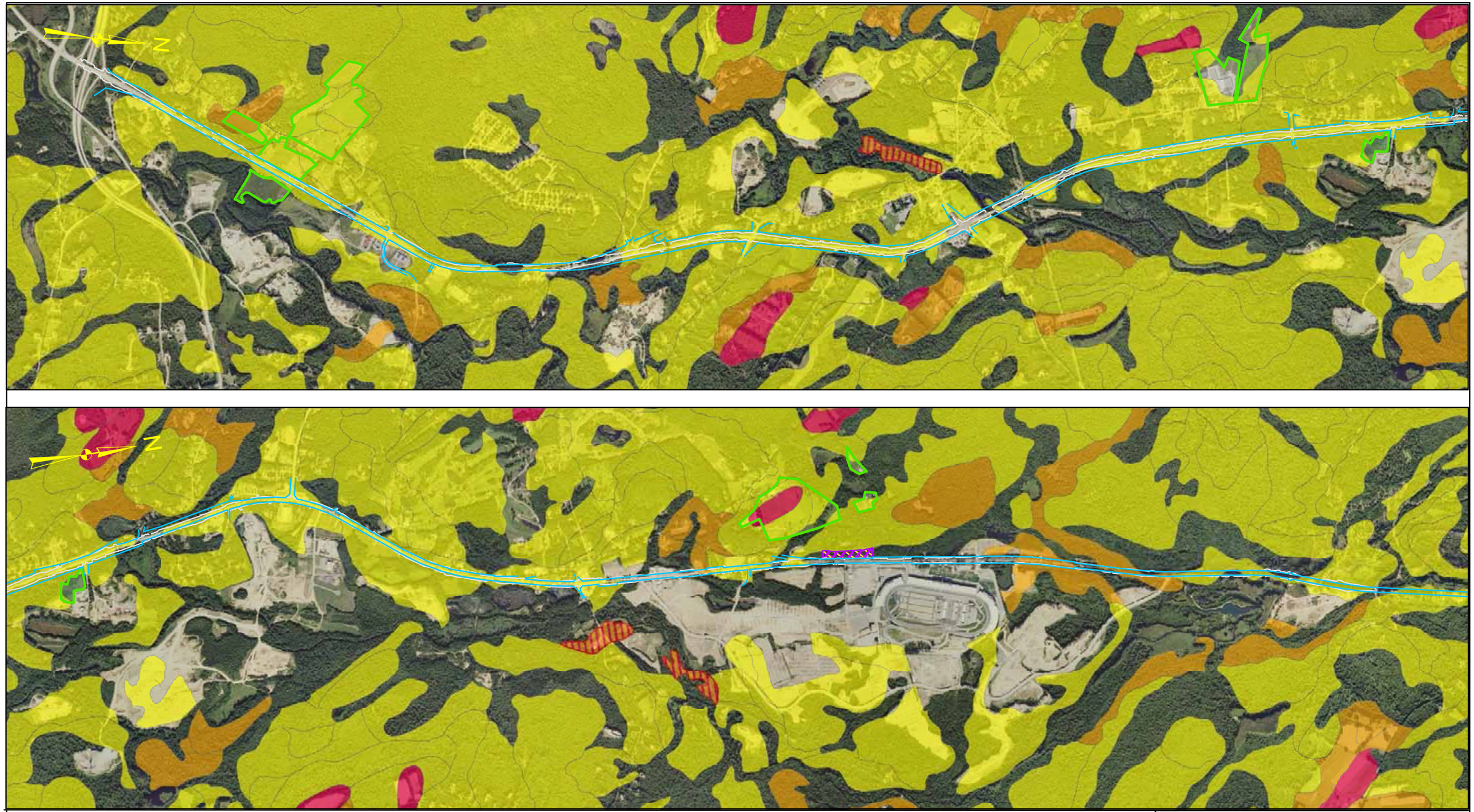
CONCORD - LOUDON - CANTERBURY, NH

ZONING AND LAND USE

APPROXIMATE SCALE :	DATE :	FIGURE :
1:24,000	JANUARY 2012	5.1-1

McFarland Johnson

Path



Farmland Soil Classification

- Prime Farmland
- Farmland of Statewide Importance
- Farmland of Local Importance
- Prime Farmland if protected from flooding or not frequently flooded during the growing season
- Active Agricultural Land
- Unique Farmland
- Toe of Slope
- Existing Right of Way

0 0.25 0.5 1 Miles

Data Sources: NRCS Soil Survey
Unique Farmland Soils:
Merrimack County Conservation District, personal communication

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

NH ROUTE 106 INTERIM CORRIDOR STUDY

CONCORD - LOUDON - CANTERBURY, NH

FARMLAND SOILS AND ACTIVE FARMLAND

APPROXIMATE SCALE :	DATE :	FIGURE :
1:24,000	JANUARY 2012	5.3-1

McFarland Johnson

Path

66 Decibel Contour Lines

- Base Year (2015)
- Design Year (2035)

Feet
0 95 190 380

Data Source: NH Route 106 Interim Corridor Study Noise Report
McFarland Johnson, 2012

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
NH ROUTE 106 INTERIM CORRIDOR STUDY
CONCORD - LOUDON - CANTERBURY, NH

NOISE CONTOUR LINES 1

APPROXIMATE SCALE :	DATE :	FIGURE :
1:2,400	JANUARY 2012	5.5-1

McFarland Johnson

66 Decibel Contour Lines

- Base Year (2015)
- Design Year (2035)

0 100 200 400 Feet

Data Source: NH Route 106 Interim Corridor Study Noise Report
McFarland Johnson, 2012

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

NH ROUTE 106 INTERIM CORRIDOR STUDY

CONCORD - LOUDON - CANTERBURY, NH

NOISE CONTOUR LINES 10

APPROXIMATE SCALE :	DATE :	FIGURE :
1:2,400	JANUARY 2012	5.5-10

McFarland Johnson

66 Decibel Contour Lines

- Base Year (2015)
- Design Year (2035)

0 100 200 400 Feet

Data Source: NH Route 106 Interim Corridor Study Noise Report
McFarland Johnson, 2012

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
NH ROUTE 106 INTERIM CORRIDOR STUDY
CONCORD - LOUDON - CANTERBURY, NH

NOISE CONTOUR LINES 2

APPROXIMATE SCALE :	DATE :	FIGURE :
1:2,400	JANUARY 2012	5.5-2

McFarland Johnson

66 Decibel Contour Lines

- Base Year (2015)
- Design Year (2035)

0 100 200 400 Feet

Data Source: NH Route 106 Interim Corridor Study Noise Report
McFarland Johnson, 2012

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

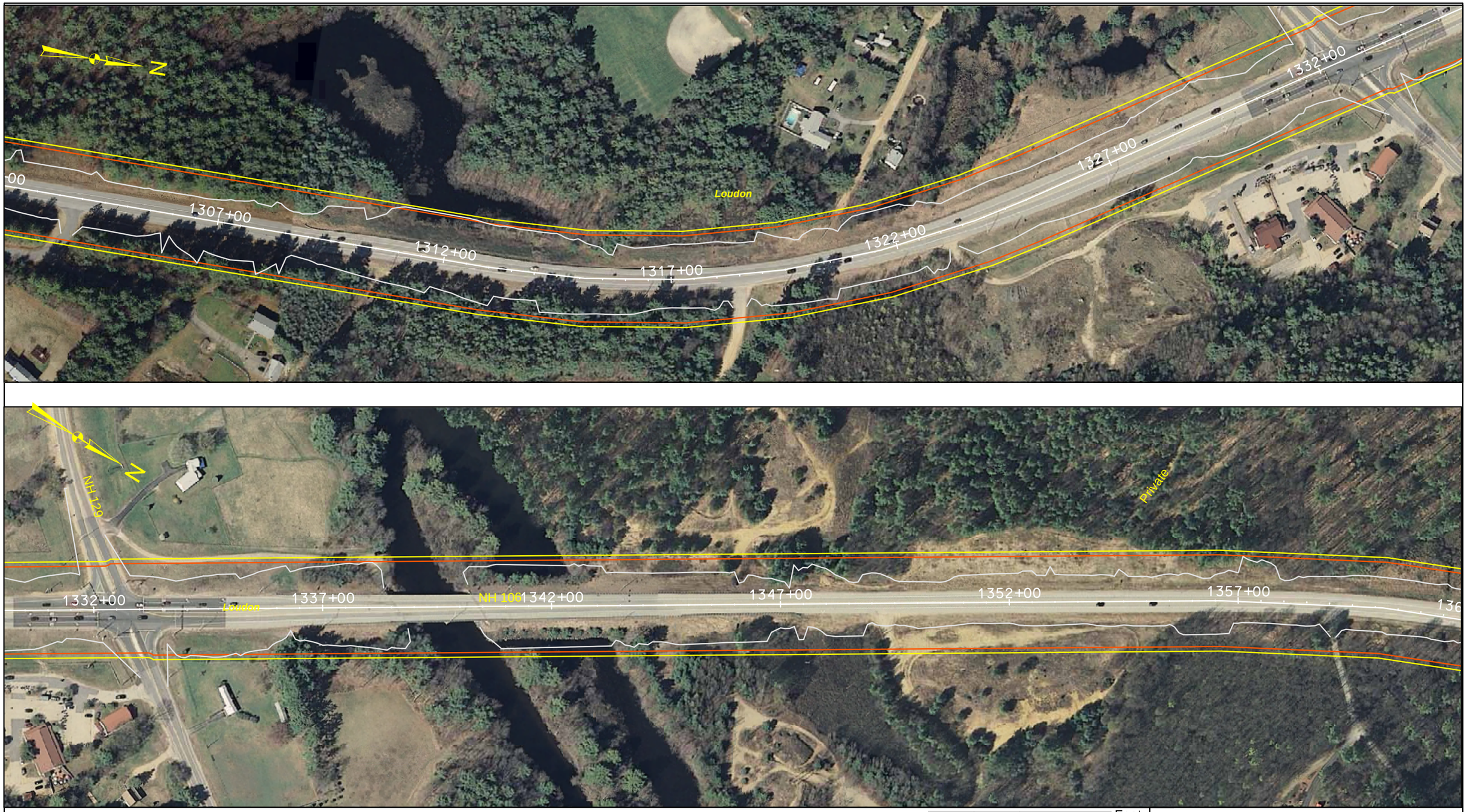
NH ROUTE 106 INTERIM CORRIDOR STUDY

CONCORD - LOUDON - CANTERBURY, NH

NOISE CONTOUR LINES 3

APPROXIMATE SCALE :	DATE :	FIGURE :
1:2,400	JANUARY 2012	5.5-3

McFarland Johnson



66 Decibel Contour Lines

- Base Year (2015)
- Design Year (2035)

0 100 200 400 Feet

Data Source: NH Route 106 Interim Corridor Study Noise Report
McFarland Johnson, 2012

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

NH ROUTE 106 INTERIM CORRIDOR STUDY

CONCORD - LOUDON - CANTERBURY, NH

NOISE CONTOUR LINES 4

APPROXIMATE SCALE :	DATE :	FIGURE :
1:2,400	JANUARY 2012	5.5-4

McFarland Johnson

66 Decibel Contour Lines

- Base Year (2015)
- Design Year (2035)

0 100 200 400 Feet

Data Source: NH Route 106 Interim Corridor Study Noise Report
McFarland Johnson, 2012

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

NH ROUTE 106 INTERIM CORRIDOR STUDY

CONCORD - LOUDON - CANTERBURY, NH

NOISE CONTOUR LINES 5

APPROXIMATE SCALE :	DATE :	FIGURE :
1:2,400	JANUARY 2012	5.5-5

McFarland Johnson

66 Decibel Contour Lines

- Base Year (2015)
- Design Year (2035)

0 100 200 400 Feet

Data Source: NH Route 106 Interim Corridor Study Noise Report
McFarland Johnson, 2012

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

NH ROUTE 106 INTERIM CORRIDOR STUDY

CONCORD - LOUDON - CANTERBURY, NH

NOISE CONTOUR LINES 6

APPROXIMATE SCALE :	DATE :	FIGURE :
1:2,400	JANUARY 2012	5.5-6

McFarland Johnson

66 Decibel Contour Lines

- Base Year (2015)
- Design Year (2035)

0 100 200 400 Feet

Data Source: NH Route 106 Interim Corridor Study Noise Report
McFarland Johnson, 2012

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

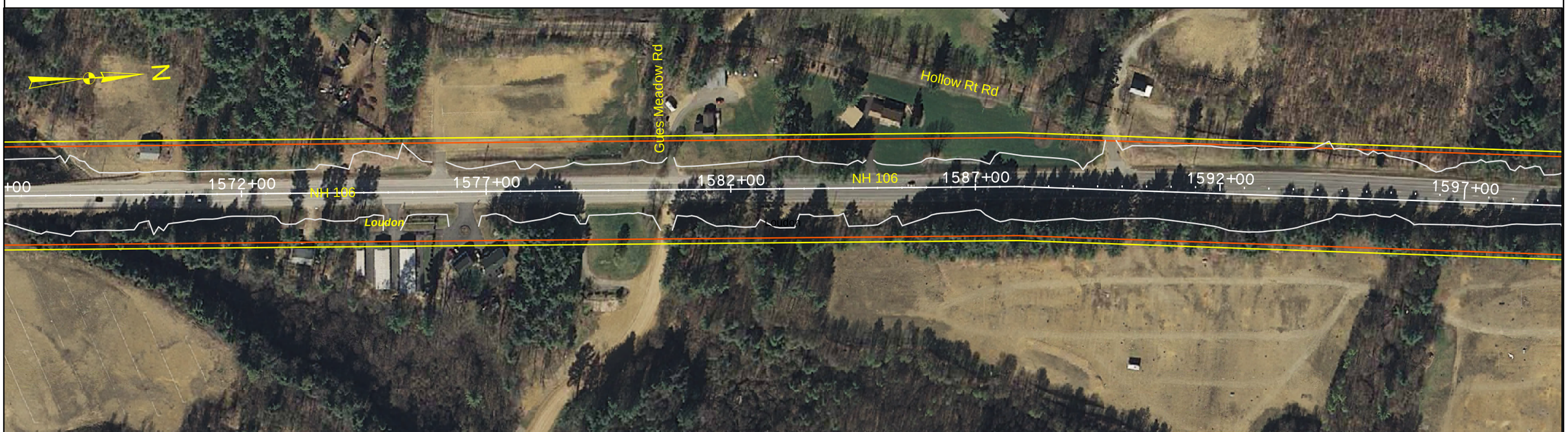
NH ROUTE 106 INTERIM CORRIDOR STUDY

CONCORD - LOUDON - CANTERBURY, NH

NOISE CONTOUR LINES 7

APPROXIMATE SCALE :	DATE :	FIGURE :
1:2,400	JANUARY 2012	5.5-7

McFarland Johnson



66 Decibel Contour Lines

- Base Year (2015)
- Design Year (2035)

0 100 200 400 Feet

Data Source: NH Route 106 Interim Corridor Study Noise Report
McFarland Johnson, 2012

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

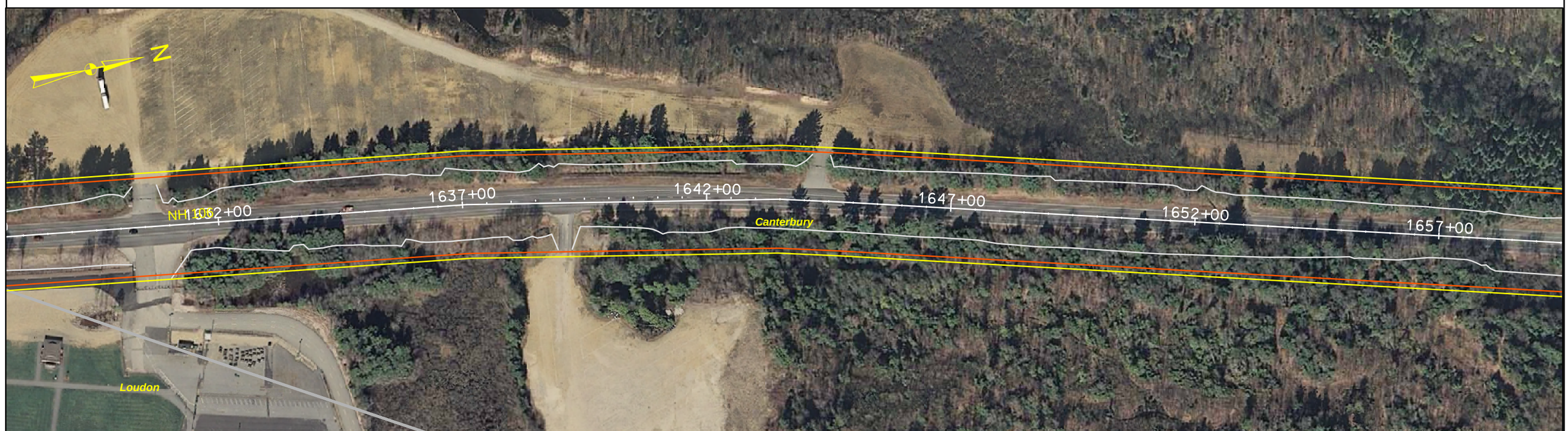
NH ROUTE 106 INTERIM CORRIDOR STUDY

CONCORD - LOUDON - CANTERBURY, NH

NOISE CONTOUR LINES 8

APPROXIMATE SCALE :	DATE :	FIGURE :
1:2,400	JANUARY 2012	5.5-8

McFarland Johnson



66 Decibel Contour Lines

- Base Year (2015)
- Design Year (2035)

0 100 200 400 Feet

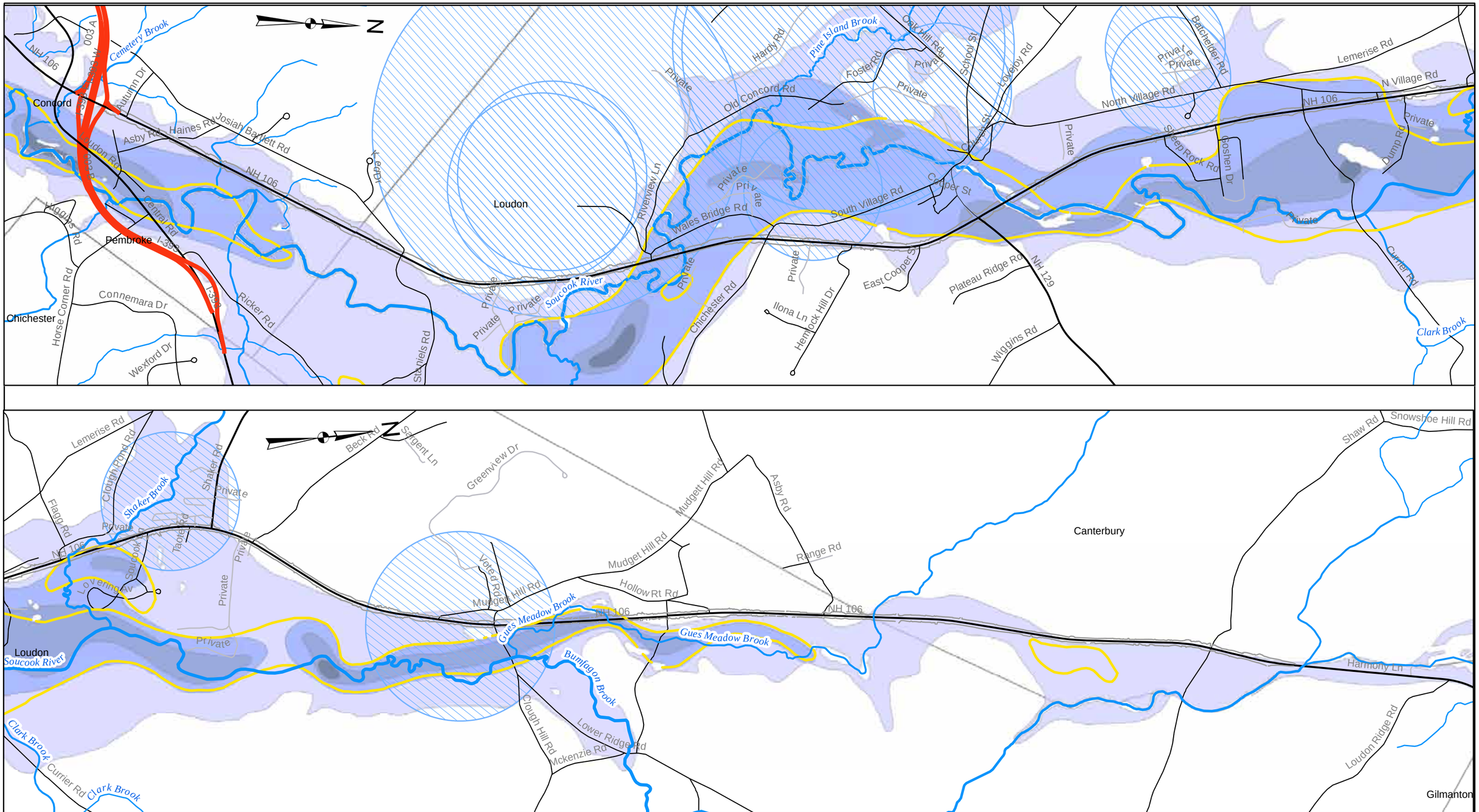
Data Source: NH Route 106 Interim Corridor Study Noise Report
McFarland Johnson, 2012

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
NH ROUTE 106 INTERIM CORRIDOR STUDY
CONCORD - LOUDON - CANTERBURY, NH

NOISE CONTOUR LINES 9

APPROXIMATE SCALE :	DATE :	FIGURE :
1:2,400	JANUARY 2012	5.5-9

McFarland Johnson



Transmissivity Zone (Feet Squared per Day)

- 0 to 1000
- 1000 to 2000
- 2000 to 3000
- 3000 to 4000

Groundwater Classification

(Regulated under RSA 485-C)

GAA ELIGIBLE - Delineated Wellhead Protection Areas
These areas have not been reclassified and are not regulated under RSA 485-C.

GA2 Eligible - Potentially Valuable Stratified Drift Aquifers
These areas are not regulated under RSA 485-C and are identified for planning purposes.

Data Sources: NHDES, USGS GIS data, City of Concord Zoning

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

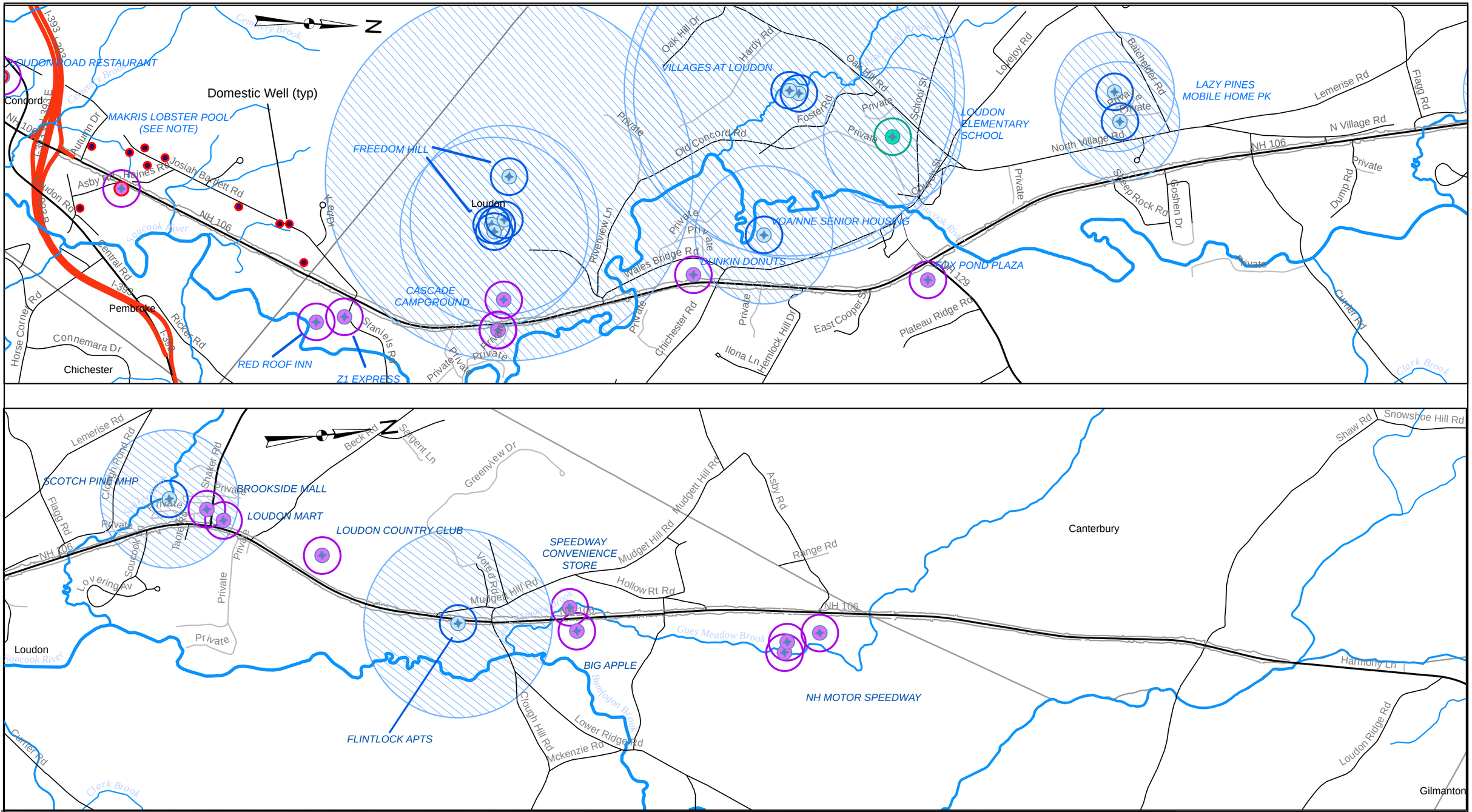
NH ROUTE 106 INTERIM CORRIDOR STUDY

CONCORD - LOUDON - CANTERBURY, NH

AQUIFERS AND GROUNDWATER CLASSIFICATIONS

APPROXIMATE SCALE :	DATE :	FIGURE :
1:24,000	JANUARY 2012	5.6-1

McFarland Johnson



Public Water Supply Wells

- Community
- Transient
- Non-Community

Location of well at Makris Lobster Pool to be determined

Municipal Groundwater Protection Zoning (Concord)

- Transient Well "Aquifer Protection District" - 125'
- Domestic Well "Aquifer Protection District" - 75'

Sanitary Protective Radii

- Community Well 400' Maximum Sanitary Protection Radius
- Transient Well 400' Construction Protection Radius
- Non-Transient Non-Community Well 400' Construction Protection Radius

NHDES Delineated Wellhead Protection Areas

Data Sources: NHDES GIS data
City of Concord Zoning

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

NH ROUTE 106 INTERIM CORRIDOR STUDY

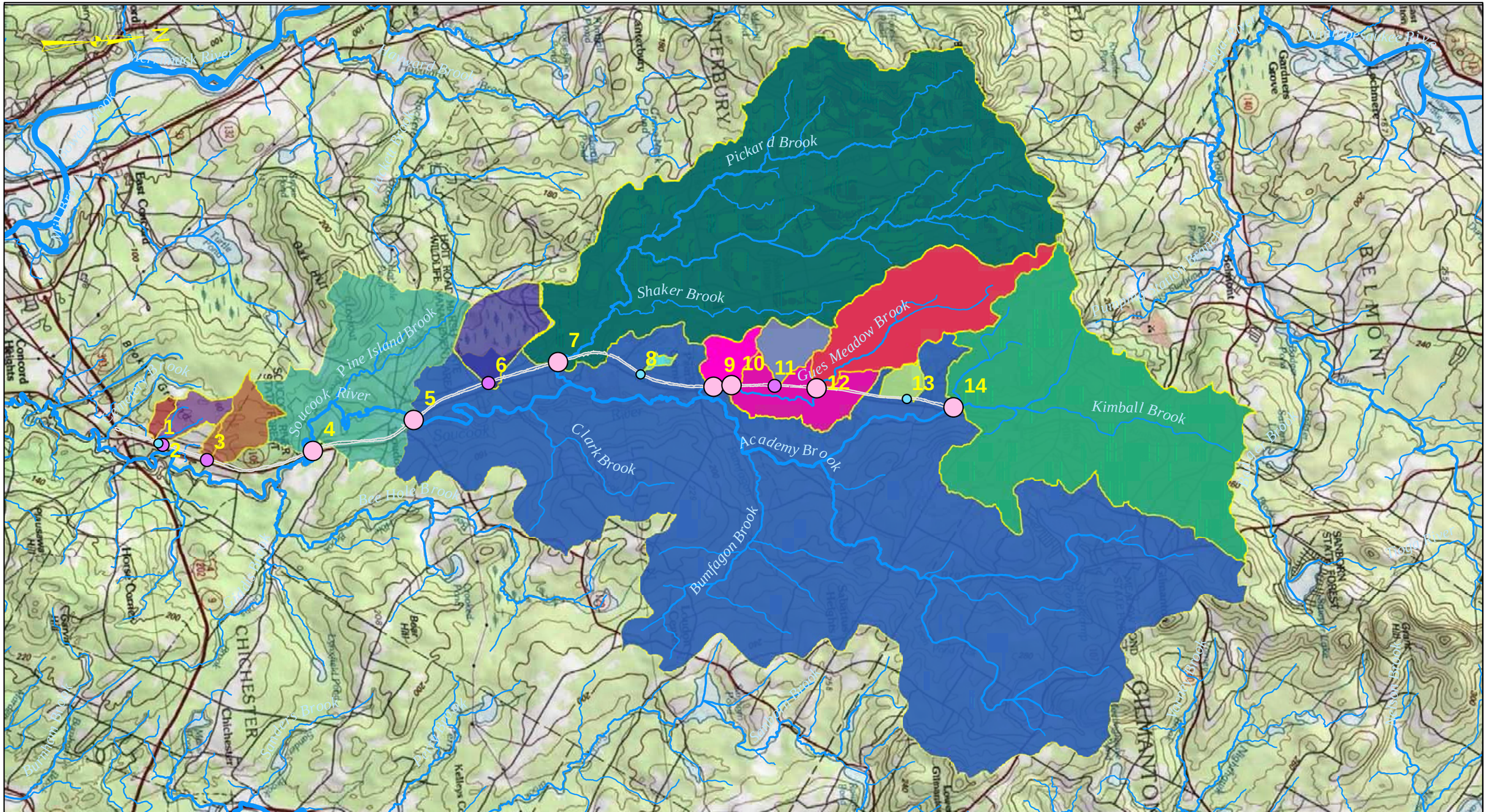
CONCORD - LOUDON - CANTERBURY, NH

WELLS AND WELLHEAD PROTECTION AREAS

APPROXIMATE SCALE :	DATE :	FIGURE :
1:24,000	JANUARY 2012	5.6-2

McFarland Johnson

Path



Stream Crossing Tier

- 1
- 2
- 3

Miles
0 1 2 4

Data Source: USGS StreamStats Modified with Field Observations

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
NH ROUTE 106 INTERIM CORRIDOR STUDY
CONCORD - LOUDON - CANTERBURY, NH

STREAM CROSSING WATERSHEDS

APPROXIMATE SCALE :	DATE :	FIGURE :
1:75,000	JANUARY 2012	5.7-1

McFarland Johnson

Path

Stream Crossing Tier

- 1
- 2
- 3

Proposed Toe of Slope

Miles
0 0.25 0.5 1

Data Sources:
Granit Hydrography GIS Layer
Field Observations

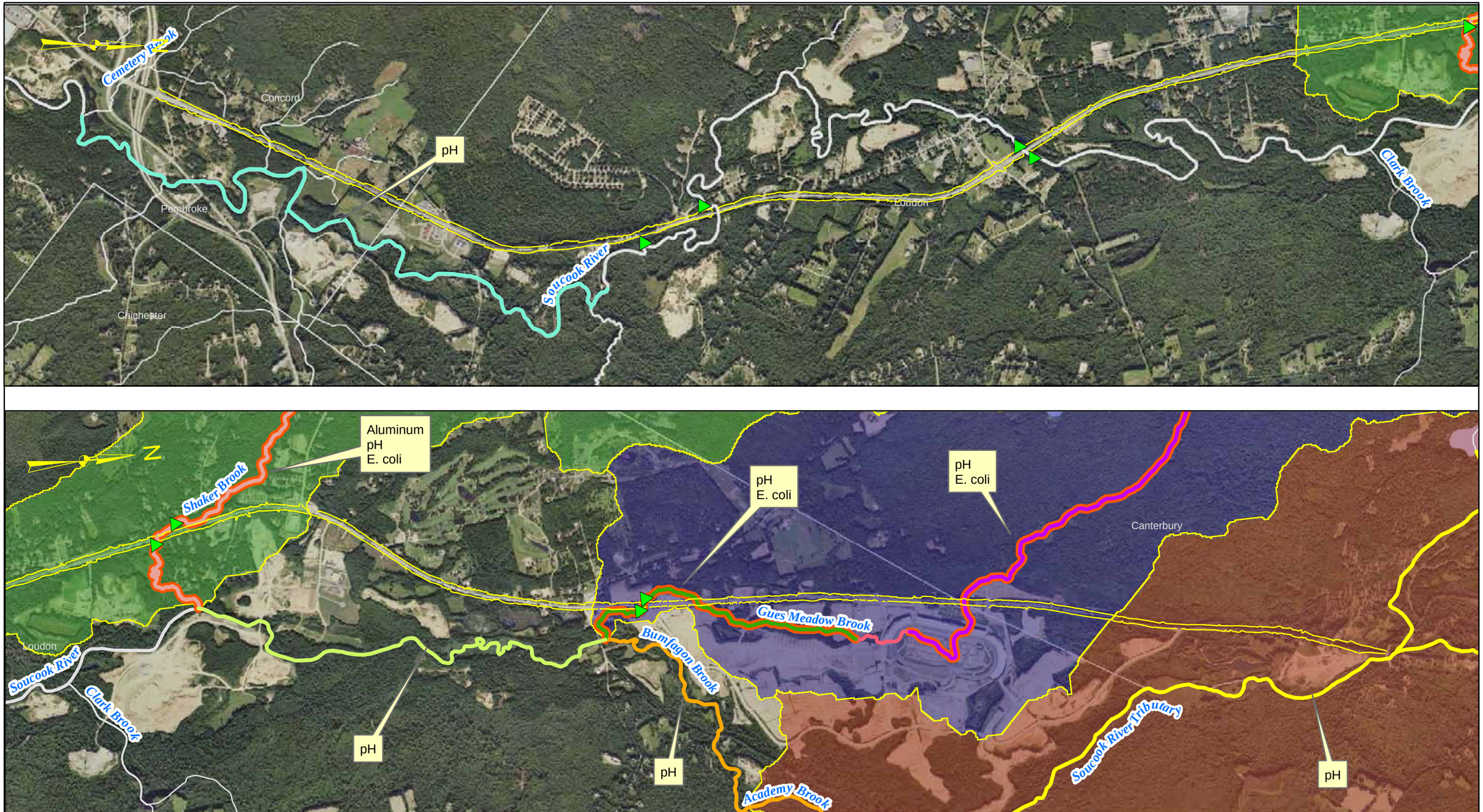
NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
NH ROUTE 106 INTERIM CORRIDOR STUDY
CONCORD - LOUDON - CANTERBURY, NH

STREAM CROSSING LOCATIONS

APPROXIMATE SCALE :	DATE :	FIGURE :
1:24,000	JANUARY 2012	5.7-2

McFarland Johnson

Path



TMDL REQUIRED - LOW PRIORITY

- Soucook River
- Soucook River
- Rocky Pond Outlet
- Bumfagon Brook (Watershed outside corridor)

TMDL REQUIRED HIGH PRIORITY

- Shaker Brook
- Gues Meadow Brook
- Gues Meadow Brook
- pH Impairment (typical)

Sub-Watersheds

- Shaker Brook
- Gues Meadow Brook
- Rocky Pond Outlet

0 0.25 0.5 1 Miles

Water Quality Monitoring Location

Data Source:

2010 LIST OF ALL IMPAIRED OR THREATENED WATERS NHDES

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

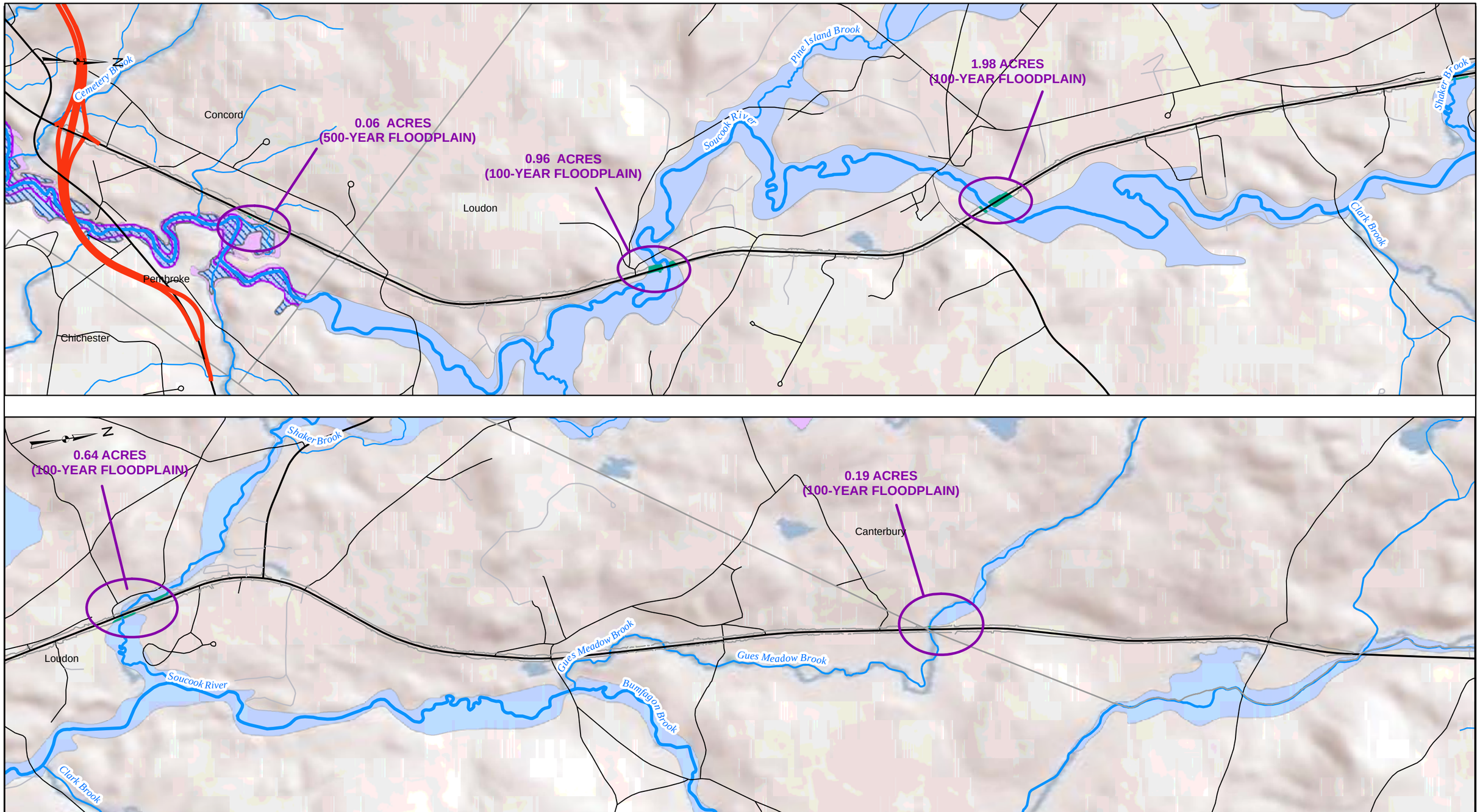
NH ROUTE 106 INTERIM CORRIDOR STUDY

CONCORD - LOUDON - CANTERBURY, NH

SURFACE WATER QUALITY

APPROXIMATE SCALE :	DATE :	FIGURE :
1:24,000	JANUARY 2012	5.7-3

McFarland Johnson



FLOOD ZONE

- 500 YEAR FLOODPLAIN
- 500 YEAR FLOOPLAIN CONTAINED IN CHANNEL
- 100 YEAR FLOODPLAIN - NO BASE FLOOD ELEVATION
- 100 YEAR FLOODPLAIN - BASE FLOOD ELEVATION PROVIDED

- FLOODWAY
- FLOODPLAIN IMPACTS

Miles
0 0.25 0.5 1

Proposed Toe of Slope

Data Source: FEMA National Flood Hazard Layer GIS data.

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION
NH ROUTE 106 INTERIM CORRIDOR STUDY
CONCORD - LOUDON - CANTERBURY, NH

FLOODPLAINS

APPROXIMATE SCALE :	DATE :	FIGURE :
1:24,000	JANUARY 2012	5.8-1

McFarland Johnson

Path