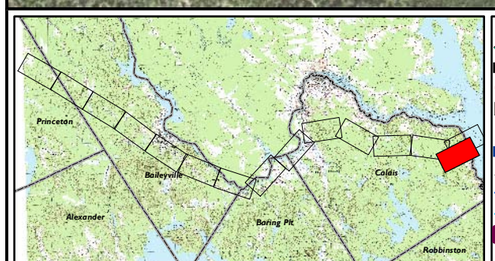
Appendix D
Wetland Mapping

MP 0.50
Stream-ATWS
Stream-ATWS
MP 0.40
Stream-ATWS
Stream-ATWS
MP 0.30
MP 0.20
MP 0.10
MP 0.0
Road-ATWS
Road-ATWS
Road-ATWS
Road-ATWS
River Road
1
Terminal Site ATWS
Terminal Site ATWS



Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN
41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

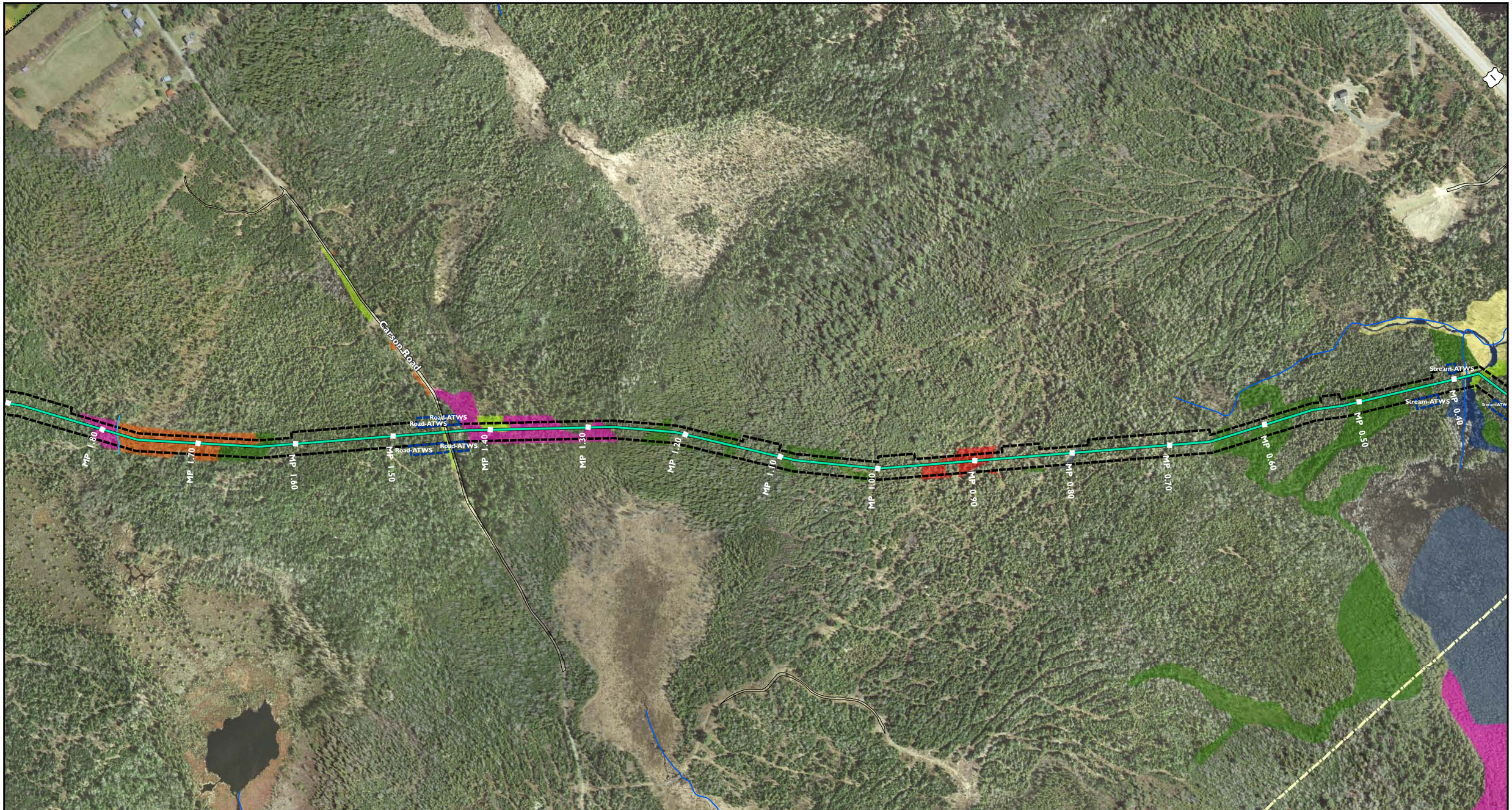
CALAIS LNG

Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 1 of 14

0 250 500 1,000 Feet



Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN
41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

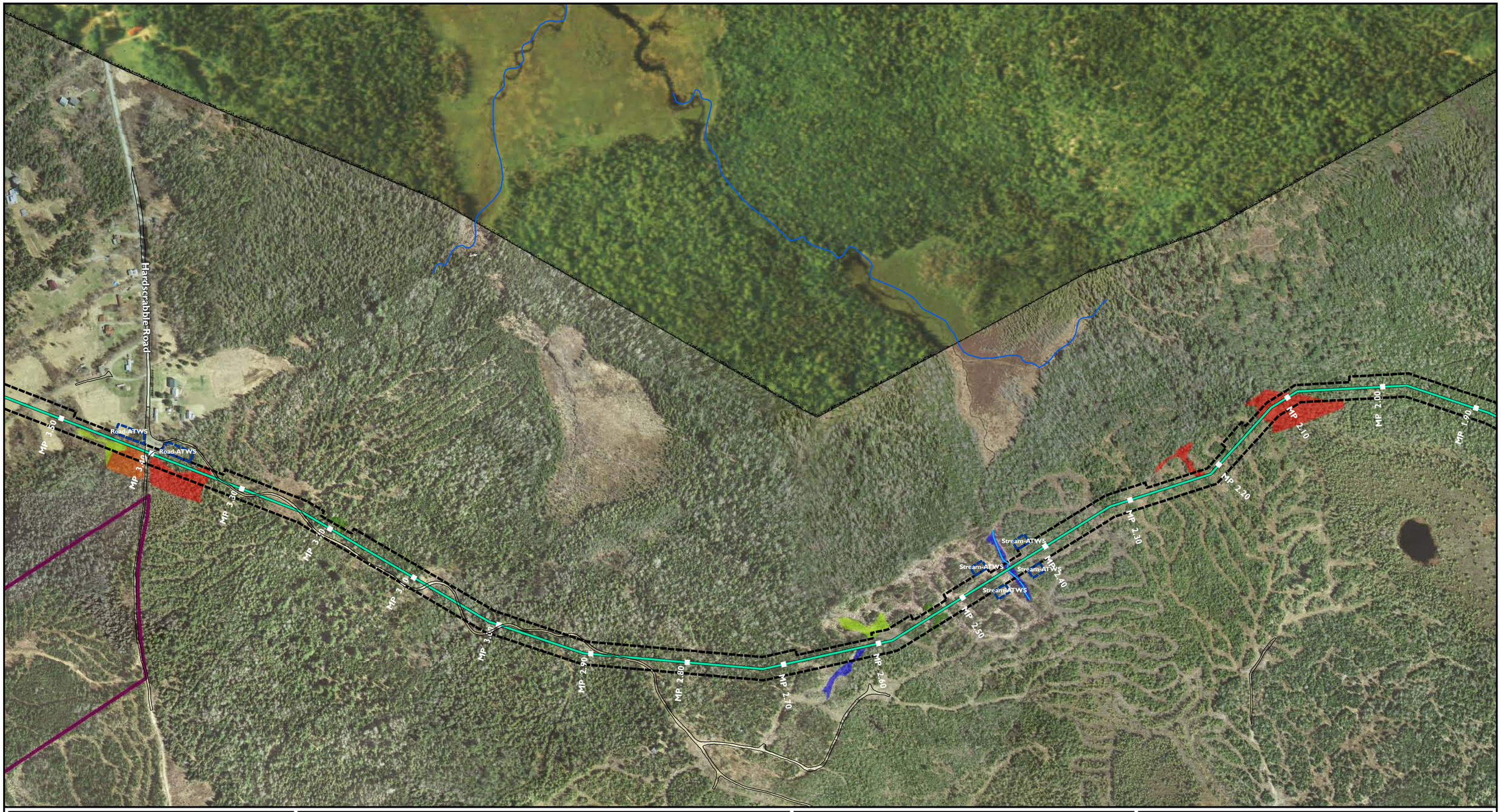
CALAIS LNG

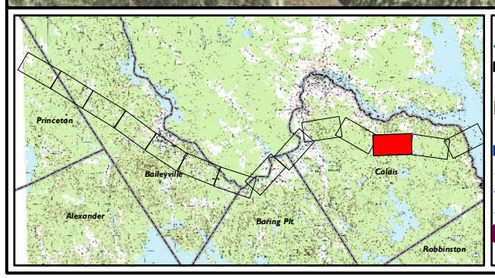
Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 2 of 14

0 250 500 1,000 Feet





Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN
41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

CALAIS LNG

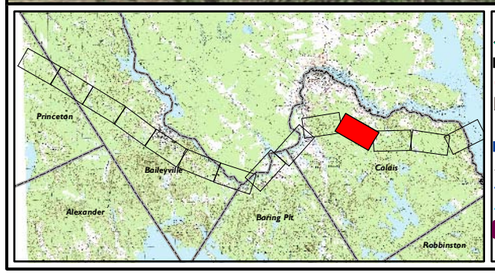
Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 3 of 14

N W E S

0 250 500 1,000 Feet



Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN
41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

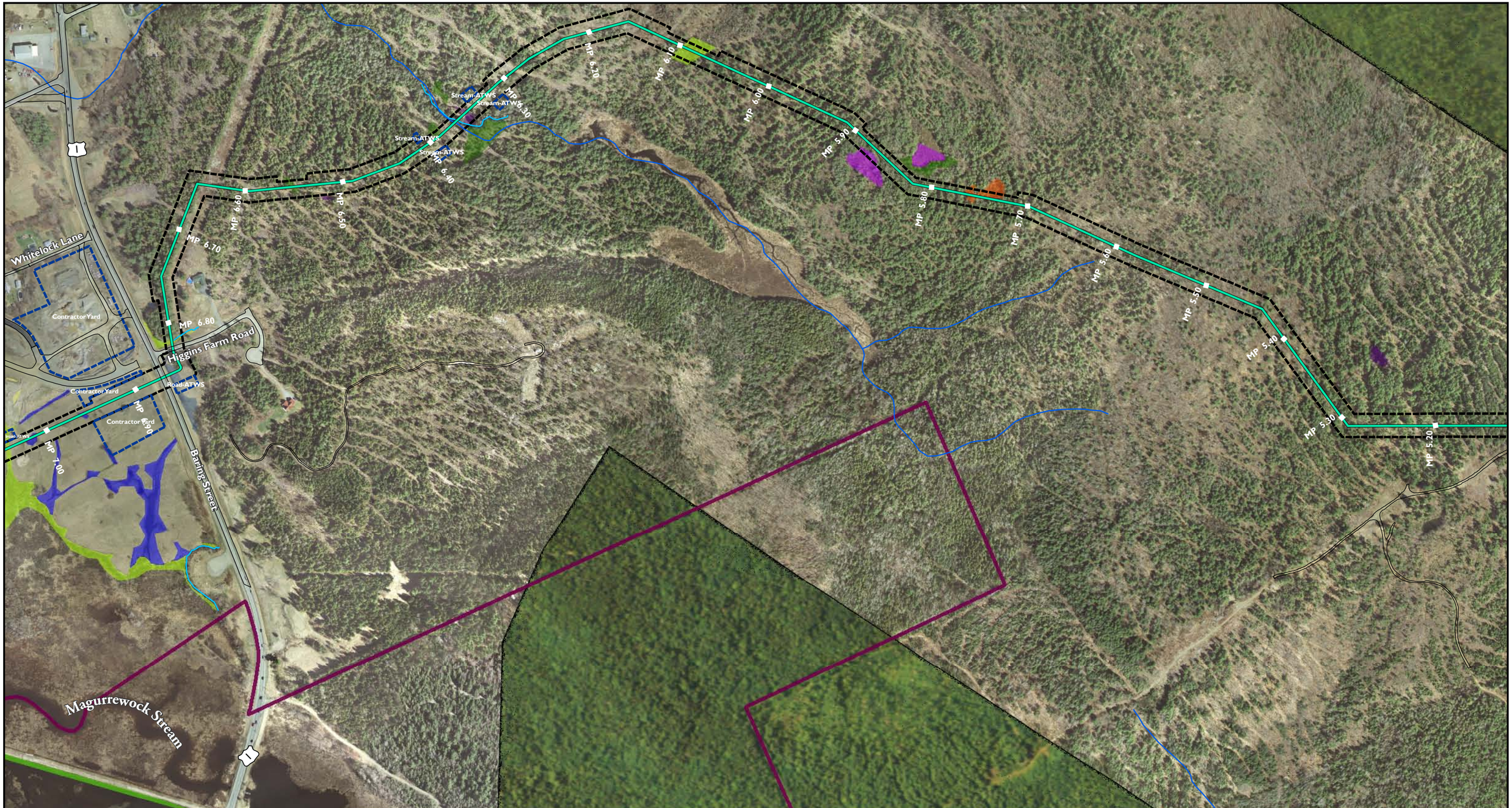
CALAIS LNG

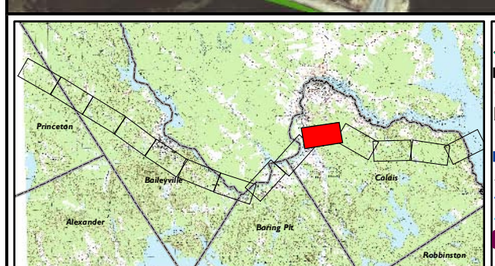
Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 4 of 14

0 250 500 1,000 Feet





Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN
41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

CALAIS LNG

Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 5 of 14

0 250 500 1,000 Feet

St. Croix River

St. Croix River

St. Croix River

Contractor Yard

Contractor Yard

HDD-ATWS

Railroad-ATWS

MP 8.70

MP 8.60

HDD-ATWS

MP 8.50

MP 8.40

MP 8.30

MP 8.20

MP 8.10

MP 8.00

MP 7.90

MP 7.80

MP 7.70

MP 7.60

MP 7.50

MP 7.40

MP 7.30

MP 7.20

MP 7.10

MP 7.00

Baring Pit

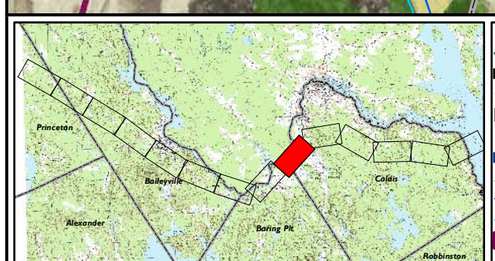
Calais

Baring Street

1

1

Magurrewock Stream



Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN

41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

CALAIS LNG

Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 6 of 14

0 250 500 1,000 Feet

St. Croix River

St. Croix River

Stream-ATWS

Railroad-ATWS

MP 10.30

MP 10.20

MP 10.10

MP 10.00

MP 9.90

MP 9.80

MP 9.70

MP 9.60

MP 9.50

MP 9.40

MP 9.30

MP 9.20

MP 9.10

MP 9.00

MP 8.90

MP 8.80

MP 8.70

Route 1

Old Route 1

Route 191

Conic Stream

Baring Road

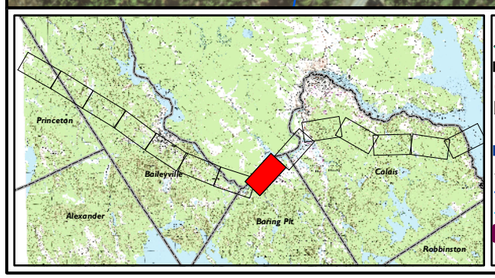
Day-Land Road

Trot Street

School Street

Front Street

Center Street



Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN

41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

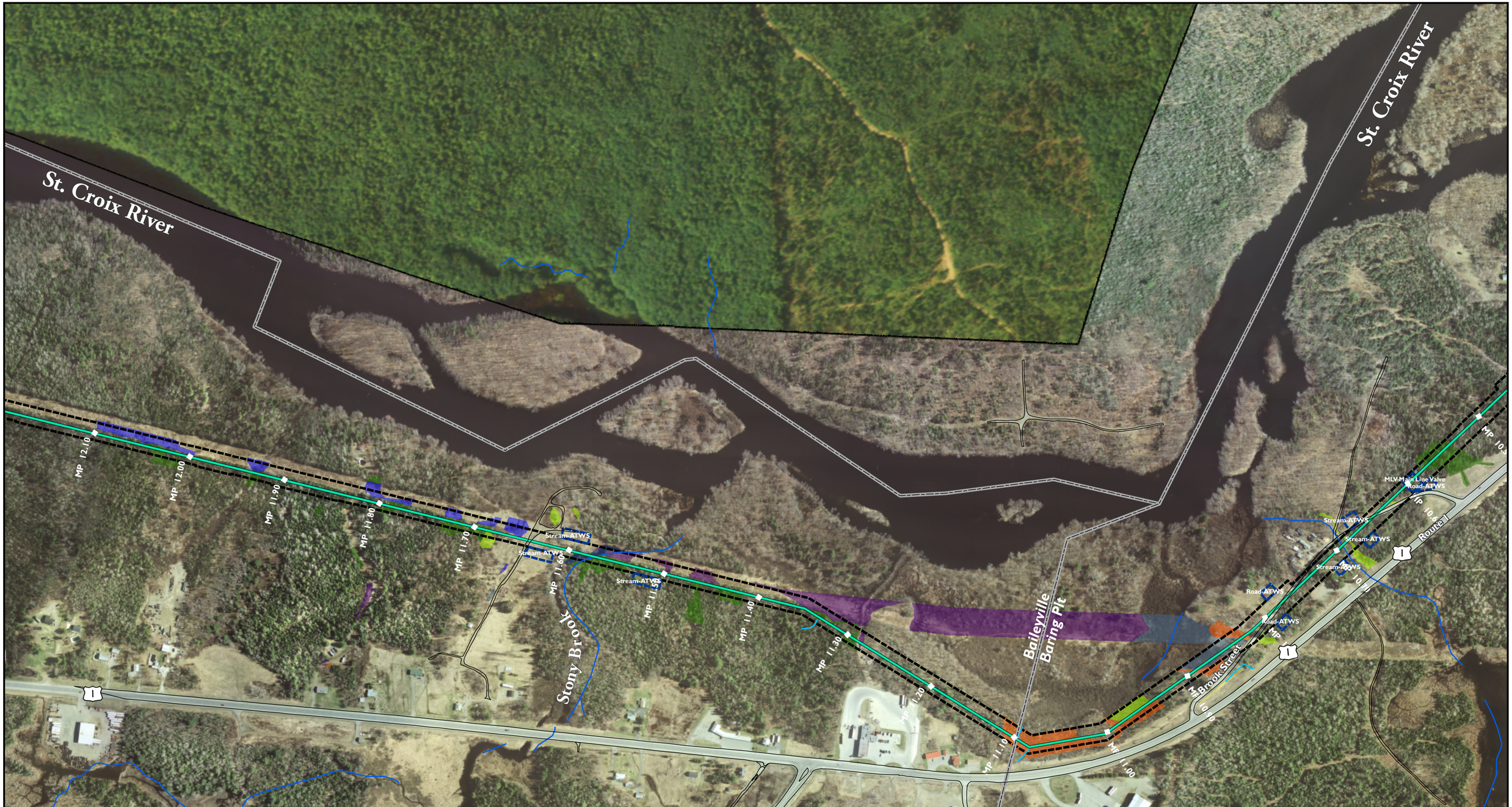
CALAIS LNG

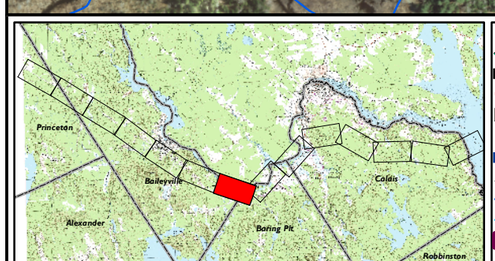
Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 7 of 14

0 250 500 1,000 Feet





Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN

41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

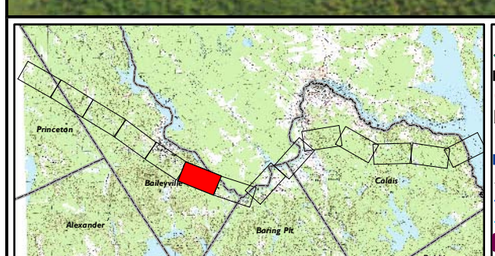
CALAIS LNG

Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 8 of 14

0 250 500 1,000 Feet



Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN
41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

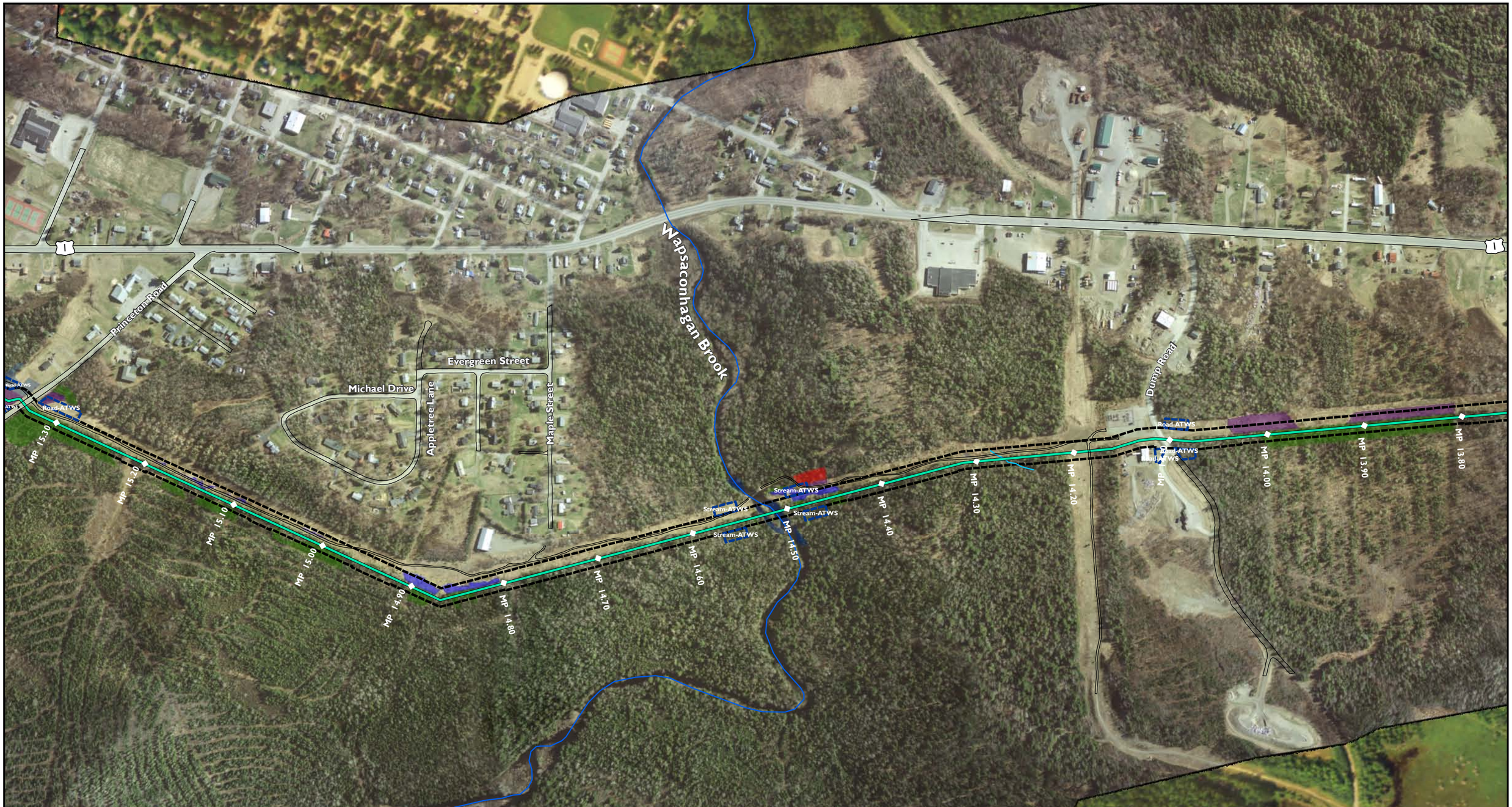
DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

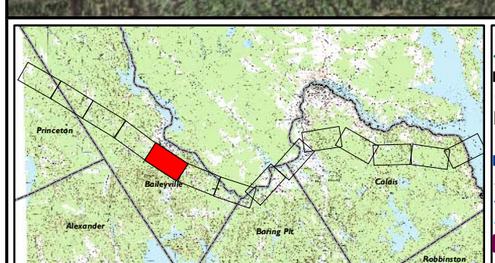
Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

CALAIS LNG

Appendix D
Maine Natural Areas Program
Wetland Communities
Sheet 9 of 14

0 250 500 1,000 Feet





Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN
41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

CALAIS LNG

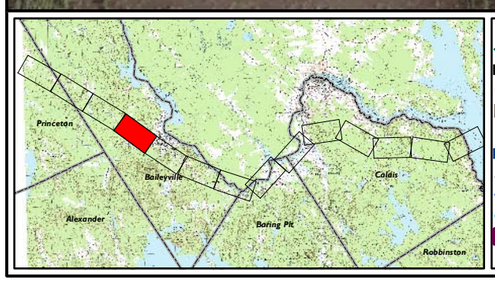
Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 10 of 14

0 250 500 1,000 Feet

Houlton Road
Houlton Road
Houlton Road
Princeton Road
Wapsaconhagan Brook
Stream-ATWS
Stream-ATWS
Stream-ATWS
Stream-ATWS
Road-ATWS
Road-ATWS
MP 16.80
MP 16.70
MP 16.60
MP 16.50
MP 16.40
MP 16.30
MP 16.20
MP 16.10
MP 16.00
MP 15.90
MP 15.80
MP 15.70
MP 15.60
MP 15.50
MP 15.40



Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN
41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

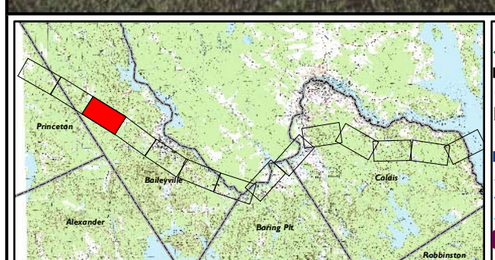
CALAIS LNG

Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 11 of 14

0 250 500 1,000 Feet



Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN
41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

CALAIS LNG

Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 12 of 14

0 250 500 1,000 Feet

Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN

41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

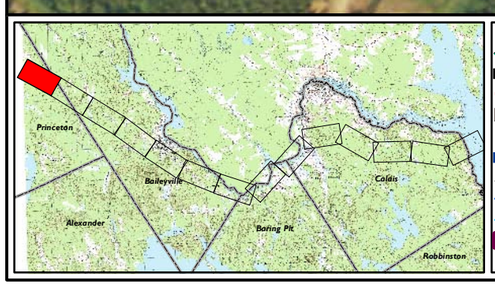
CALAIS LNG

Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 13 of 14

0 250 500 1,000 Feet



Legend

- Preferred Pipeline Route
- Preferred Construction Corridor
- Horizontal Directional Drill Route
- Horizontal Directional Drill ROW
- Terminal & Mitigation Site Boundaries
- Work Area/Aboveground Facility
- Road ROW
- River/Stream (ME GIS)
- Delineated Stream (VHB)
- Moosehorn NWR Boundary
- Town Boundary

Maine Natural Areas Program Wetland Classification

- Bluejoint Meadow, Shallow Marsh
- Bluejoint Meadow, Wet Meadow
- Mixed Graminoid-Shrub Marsh, Scrub-Shrub Wetland
- Mixed Graminoid-Shrub Marsh, Shallow Marsh
- Alder Shrub Thicket
- Cedar-Spruce Seepage Forest
- Leatherleaf Boggy Fen
- Northern White Cedar Swamp
- Pickerelweed-Macrophyte Aquatic Bed
- Pickerelweed-Mcrophyt Aq. Bed/Sweetgale Mixed Shrub Fen
- Red Maple-Sensitive Fern Swamp
- Silver Maple Floodplain Forest
- Spruce-Cinnamon Fern Forest
- Spruce-Fir-Cinnamon Fern Forest
- Sweetgale-Mixed Shrub Fen
- Water (Ponds, Riverine, Ditches)

WOODARD & CURRAN
41 Hutchins Drive
Portland, Maine 04102
800.426.4262 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

VHB Vanasse Hangen Brustlin, Inc.

DRAWN BY: DEA	SCALE: 1" = 500'
DATE: December 2009	NAME: MNAPCoverTypes.mxd

Data Sources: Delineated vegetation cover types and streams mapped by VHB scientists Spring/Summer 2008 & 2009. Pipeline data, imagery and base data provided by Woodard & Curran.

CALAIS LNG

Appendix D

Maine Natural Areas Program
Wetland Communities

Sheet 14 of 14

0 250 500 1,000 Feet