Resilient Right-of-Ways
Calais Rural Road Vegetation Assessment Results - DRAFT
February 2, 2018
Right-of-Way Community Types

Wet Area, Balentine Road

Seasonally mowed, Pekin Brook Road

Street Trees, Balentine

Historic Tree, Gould Hill

Trees and Forest, Foster Hill Road
Calais: Right-of-Way Community Types

Legend
Resilient ROW TYPE
- Forest
- Wet Area
- Lakeside
- Street Trees
- Bare
- 2017 Vegetation Assessment Routes
- Town of Calais
VT Roads
Surface Type
- Hard surface (pavement)
- Gravel
- Soil or graded and drained earth
- Unimproved/Privately
- Improvable or unimproved
- Unknown surface type

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Overhead Utilities affecting ROW

Utility, North Haggett Road

Utility, Balentine Road

Utility, George Road

Historic Tree, Gould Hill

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Overhead Utility affecting ROW
Tree Damage, Lightening Ridge Road

Root damage, George Road

Root damage, Jack Hill Road

Tree Damage, Balentine Road

Historic Tree, Gould Hill

Mechanical Damage
Mechanical Damage
Overstory Health

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Overstory Health and Mechanical Damage

Legend

Overstory Health & Damage:
- Poor health, low damage
- Poor health, high damage
- Fair health, high damage
- Vegetation Assessment Routes

VTTrans Roads

Surface Type:
- Hard surface (paved)
- Gravel
- Soil or graded and crushed earth
- Unimproved/Primitive
- Impassable or not surveyed
- Unknown surface type
Hedgerows

Hedgerow, Lightening Ridge Road

Hedgerow, Foster Hill Road

Hedgerow, Ballantine Road

Hedgerow of edge species, North Calais Road

Historic Tree, Gould Hill
Historic Trees

Historic Trees, Poor Health, Foster Hill

Historic Trees, Poor Health, Foster Hill

Historic Tree, Gould Hill

Historic Tree and Road Markers, Sand Hill Road

Historic Trees, Fair Health, Jack Hill Road

Historic Trees, Poor Health, Foster Hill
Big Trees
Historic Tree Presence and Health

Legend

Historic Trees, Health
- Historic Tree, Good Health
- Historic Tree, Fair
- Historic Tree, Poor

Vegetation Assessment Routes

VT Trans Roads
Surface Types
- Hard surface (pavement)
- Gravel
- Soil or graded and drained earth
- Unimproved/Primitive
- Impassable or unimproved
- Unknown surface type

Calais: Historic Tree Presence and Health

Vermont Department of Forests, Parks & Recreation

Map created by: Jessica Gimnet
Date: 2/20/2018

Note: The map is a representation of the data collected during the assessment. The locations marked as Historic Trees are based on the criteria established by the Vermont Department of Forests, Parks & Recreation.
Invasive Plant Species

- Japanese Knotweed, Pekin Brook Road near George Road
- Buckthorn, Jack Hill Road
- Wild Chervil (Cow Parsley), Lightening Ridge Road
- Honeysuckle, Pekin Brook Road
Opportunities for Thinning to Improve Canopy Health

Dense roadside trees, Jack Hill

History Tree, Gould Hill

Treescaping opportunity, Balentine Road

Treescaping opportunity, George Road

Dense roadside trees, Lightening Ridge
Ash Tree Canopy Cover affecting ROW

Legend
Roadside ash impact
Percent canopy
- High (>50%)
- Medium (10-50%)
- Vegetation Assessment Routes
- Town of Calais

VTtrans Roads
Surface Type
- Hard surface (pavement)
- Gravel
- Soil or graded and drained earth
- Unimproved/Primitive
- Improvable or unsoiled
- Unknown surface type
Opportunities for Thinning to Improve Canopy Health
Opportunities to Plant or Promote Regeneration

Planting Opportunity, No. 10 Pond Road

Regeneration opportunity, North Calais Road

Regeneration opportunity, Pekin Brook

Planting or Regeneration Opportunity, Balentine Road

Historic Tree, Gould Hill
Preserve vegetation to preserve roadside slope

Preserve vegetation, Sand Hill
Preserve vegetation, Number 10 Pond Road
Preserve Trees, Foster Hill
Preserve vegetation, Upper Road

Historic Tree, Gould Hill

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Consider road widths and priority roads
Proposed Pilot Project – West end of Lightening Ridge Road

- ~1/2 mile portion along highly trafficked and wide
- Mature short-lived species in the ROW and on private land
- Opportunity for planting or regeneration to demarcate the road
- No cut zones to preserve roadside slope
- Mechanical damage to trees
- Wild chervil (and other invasives?)