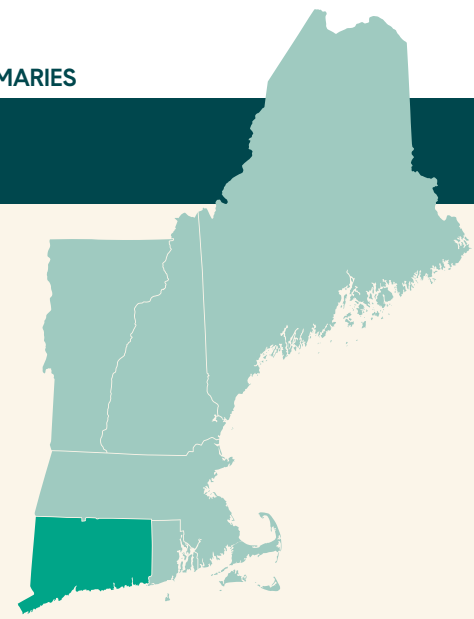




CONSERVING PLANT DIVERSITY IN NEW ENGLAND
STATE SUMMARIES



CONNECTICUT



Connecticut has 24 mapped habitats covering 2 million acres. On average, each habitat is 4% protected for nature (0-15%) and 23% secured against conversion to a different land use (5-55%), but open to multiple uses, including logging, mineral extraction, and recreation. The conserved lands are 47% resilient. Three habitats cover less than 100 acres and are excluded here.

The metrics below refer to Global Strategy for Plant Conservation (GSPC) targets calling for protecting 15% of each habitat for nature and New England targets (NET) to achieve 30% of each habitat secured against conversion on climate-resilient land, with 5-15% protected for nature. The Important Plant Area numbers are total in the state, followed by how many meet the GSPC thresholds of 75% protected for nature or secured on resilient land.

- **Important Plant Areas (IPAs):** 32, 3 Protected, 0 Secured
- **Acres to meet GSPC for all habitats:** 245,979
- **Acres to meet NET for all habitats:** 224,691
- **Habitats meeting targets:** 1 GSPC, 1 NET
 - Acidic Cliff & Talus (GSPC)
 - North-Central Interior & Appalachian Acidic Peatland (NET)
- **Habitats partially meeting NET:** 4
 - Laurentian-Acadian Northern Hardwood Forest
 - Circumneutral Cliff & Talus
 - Acidic Cliff & Talus
 - North Atlantic Coastal Plain Tidal Salt Marsh
- **Opportunity**
 - North Atlantic Coastal Plain Tidal Salt Marsh: Migration Space



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CONNECTICUT

CONTINUED

Unprotected Habitats Threatened by Conversion

Bold indicates a high responsibility to conserve, as > 33% of the regional habitat is in this state.

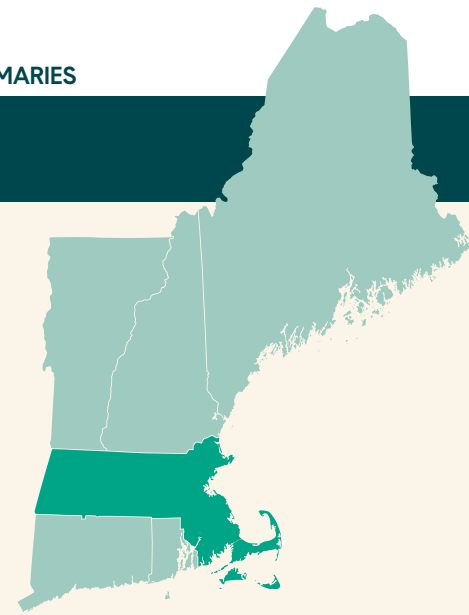
HABITAT	TOC	%PR	%S	GSPC	NET	R ac
North-Central Interior Wet Flatwoods	11%	1%	16%	1 K	1 K	1 K
Atlantic Coastal Plain Beach & Dune	6%	1%	27%	327	80	44
Northeastern Coastal and Interior Pine-Oak Forest	9%	1%	23%	5 K	3 K	6 K
North Atlantic Coastal Plain Heathland & Grassland	18%	1%	28%	186	29	158
Northeastern Interior Dry-Mesic Oak Forest	8%	2%	18%	126 K	121 K	197 K
North Atlantic Coastal Plain Hardwood Forest	18%	3%	14%	24 K	32 K	49 K
North-Central Appalachian Acidic Swamp	7%	3%	22%	14 K	9 K	29 K
Appalachian (Hemlock)-Northern Hardwood Forest	5%	3%	20%	68 K	56 K	160 K
North Atlantic Coastal Plain Maritime Forest	16%	7%	26%	461	220	628

P = Protected, **S** = Secured, **R** = Resilient
Unprotected = less than 10% protected & resilient
TOC = threat of conversion by 2050
%PR = % protected & resilient
%S = % secured
GSPC = Global Strategy for Plant Conservation target
NET = New England Target
R ac = resilient acres available



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MASSACHUSETTS



Massachusetts has 35 mapped habitats covering 3.7 million acres. On average, each habitat is 9% protected for nature (0-59%) and 38% secured against conversion to a different land use (3-100%), but open to multiple uses, including logging, mineral extraction, and recreation. The conserved lands are 52% resilient. Two habitats cover less than 100 acres and are excluded here.

The metrics below refer to Global Strategy for Plant Conservation (GSPC) targets calling for protecting 15% of each habitat for nature and New England targets (NET) to achieve 30% of each habitat secured against conversion on climate-resilient land, with 5-15% protected for nature. The Important Plant Area numbers are total in the state, followed by how many meet the GSPC thresholds of 75% protected for nature or secured on resilient land.

- **Important Plant Areas (IPAs):** 88, 2 Protected, 17 Secured
- **Acres to meet GSPC for all habitats:** 382,153
- **Acres to meet NET for all habitats:** 75,577
- **Habitats meeting targets:** 7 GSPC, 4 NET
 - Acadian-Appalachian Montane Spruce-Fir-Hardwood Forest (GSPC, NET)
 - Laurentian-Acadian Red Oak-Northern Hardwood Forest (GSPC, NET)
 - Acidic Cliff & Talus (GSPC)
 - Calcareous Cliff & Talus (GSPC)
 - Atlantic Coastal Plain Beach & Dune (GSPC)
 - Acidic Rocky Outcrop (GSPC)
 - Laurentian-Acadian Alkaline Fen (GSPC, NET)
 - Laurentian-Acadian Northern Hardwood Forest (NET)
- **Habitats meeting NET for Protection & Securement but not Resilience**
 - North Atlantic Coastal Plain Maritime Forest
 - North Atlantic Coastal Plain Pitch Pine Barrens
 - Atlantic Coastal Plain Beach & Dune
 - North Atlantic Coastal Plain Heathland & Grassland
 - Atlantic Coastal Plain Northern Bog
 - North Atlantic Coastal Plain Basin Peat Swamp
 - Laurentian-Acadian Alkaline Conifer-Hardwood Swamp
 - North Atlantic Coastal Plain Tidal Salt Marsh



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MASSACHUSETTS

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Unprotected Habitats Threatened by Conversion

Bold indicates a high responsibility to conserve, as > 33% of the regional habitat is in this state.

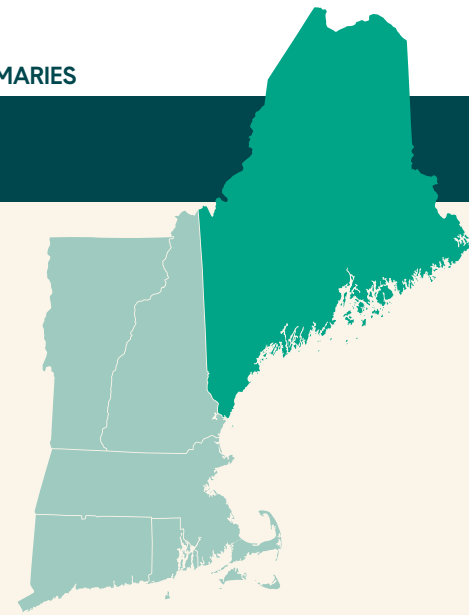
HABITAT	TOC	%PR	%S	GSPC	NET	R ac
Northeastern Coastal & Interior Pine-Oak Forest	9%	1%	24%	57 K	25 K	34 K
North-Central Interior Wet Flatwoods	11%	1%	20%	1 K	<1 K	1.3 K
North Atlantic Coastal Plain Hardwood Forest	18%	1%	26%	36 K	12 K	47 K
North-Central Appalachian Acidic Swamp	7%	2%	29%	35 K	2 K	58 K
Appalachian (Hemlock)-Northern Hardwood Forest	5%	2%	30%	145 K	2 K	367 K
Northeastern Interior Dry-Mesic Oak Forest	8%	3%	17%	30 K	31 K	44 K
North-Central Interior & Appalachian Rich Swamp	5%	3%	27%	12 K	3 K	25 K
North-Central Interior & Appalachian Acidic Peatland	5%	3%	39%	447	268	987
North Atlantic Coastal Plain Pitch Pine Barrens	15%	5%	46%	11 K	11 K	7K
North Atlantic Coastal Plain Heathland & Grassland	18%	6%	36%	2 K	2 K	3 K
North Atlantic Coastal Plain Maritime Forest	16%	9%	30%	2 K	–	6 K

P = Protected, **S** = Secured, **R** = Resilient
Unprotected = less than 10% protected & resilient
TOC = threat of conversion by 2050
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%S = % secured
GSPC = Global Strategy for Plant Conservation target
NET = New England Target
R ac = resilient acres available



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MAINE



Maine has 37 mapped habitats covering 18.8 million acres. On average, each habitat is 9% protected for nature (1-69%) and 27% secured against conversion (1-99%) to a different land use, but open to multiple uses, including logging, mineral extraction, and recreation. The conserved lands are and 78% resilient. Two habitats cover less than 100 acres and are excluded here.

The metrics below refer to Global Strategy for Plant Conservation (GSPC) targets calling for protecting 15% of each habitat for nature and New England targets (NET) to achieve 30% of each habitat secured against conversion on climate-resilient land, with 5-15% protected for nature. The Important Plant Area numbers are total in the state, followed by how many meet the GSPC thresholds of 75% protected for nature or secured on resilient land.

- **Important Plant Areas (IPAs):** 52, 4 Protected, 6 Secured
- **Acres to meet GSPC for all habitats:** 1,948,619
- **Acres to meet NET for all habitats:** 1,169,825
- **Habitats meeting GSPC target:** 8
- **Habitats meeting NE target:** 6
 - Acadian-Appalachian Montane Spruce-Fir-Hardwood Forest (GSPC, NET)
 - Acidic Cliff & Talus (GSPC, NET)
 - Calcareous Cliff & Talus (GSPC, NET)
 - Circumneutral Cliff & Talus (GSPC, NET)
 - Acadian-Appalachian Alpine Tundra (GSPC, NET)
 - Acidic Rocky Outcrop (GSPC, NET)
 - Acadian Maritime Bog (GSPC)
 - Boreal-Laurentian Bog (GSPC)
- **Habitats meeting NET for Protection & Securement but not Resilience**
 - Northeastern Interior Pine Barrens
 - Boreal-Laurentian Bog
 - Acadian Coastal Salt & Estuary Marsh
 - North Atlantic Coastal Plain Tidal Salt Marsh



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MAINE

CONTINUED

Unprotected Habitats Threatened by Conversion

Bold indicates a high responsibility to conserve, as > 33% of the regional habitat is in this state.

HABITAT	TOC	%PR	%S	GSPC	NET	R ac
Northeastern Coastal & Interior Pine-Oak Forest	9%	1%	9%	53 K	81 K	146 K
North-Central Interior & Appalachian Rich Swamp	5%	2%	11%	6 K	10 K	27 K
North-Central Interior & Appalachian Acidic Peatland	5%	3%	25%	534	225	2 K
North Atlantic Coastal Plain Maritime Forest	16%	4%	15%	4 K	5 K	12 K

Unprotected Habitats with Low Threat, High Responsibility

Bold indicates a high responsibility to conserve, as > 33% of the regional habitat is in this state.

HABITAT	TOC	%PR	%S	GSPC	NET	R ac
Laurentian-Acadian Pine-Hemlock-Hardwood Forest	2%	1%	12%	366 K	492 K	1,013 K
Laurentian-Acadian Alkaline Conifer-Hardwood Swamp	1%	2%	16%	66 K	73 K	232 K
Laurentian-Acadian Red Oak-Northern Hardwood Forest	1%	3%	12%	72 K	109 K	354 K
Acadian Sub-boreal Spruce Flat	0%	4%	28%	143 K	22 K	597 K
Laurentian-Acadian Northern Hardwood Forest	1%	4%	25%	499 K	255 K	2,598 K
NA-Acadian Conifer-Hardwood Acidic Swamp	0%	4%	23%	68 K	43 K	327 K
Laurentian-Acadian Wet Meadow-Shrub Swamp	2%	4%	20%	31 K	30 K	150 K
Acadian Low Elevation Spruce-Fir-Hardwood Forest	1%	5%	26%	492 K	180 K	2,086 K
Laurentian-Acadian Large River Floodplain	1%	6%	24%	24 K	15 K	133 K
Laurentian-Acadian Freshwater Marsh	4%	6%	20%	19 K	22 K	109 K
Boreal-Laurentian-Acadian Acidic Basin Fen	0%	8%	28%	23 K	5 K	170 K

P = Protected, **S** = Secured, **R** = Resilient

Unprotected = less than 10% protected & resilient

TOC = threat of conversion by 2050

%PR = % protected & resilient

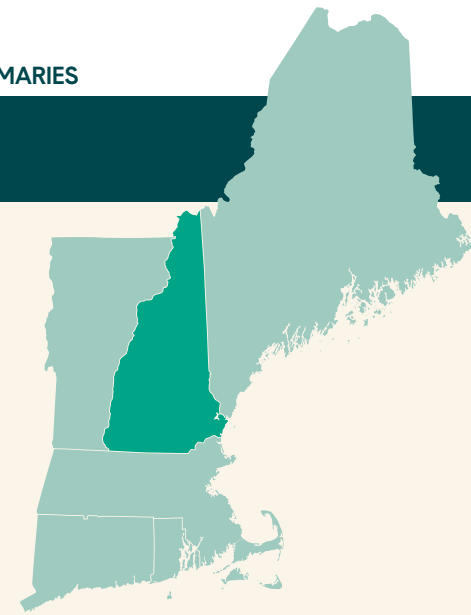
%S = % secured

GSPC = Global Strategy for Plant Conservation target

NET = New England Target

R ac = resilient acres available

NEW HAMPSHIRE



New Hampshire has 36 mapped habitats covering 5.2 million acres. On average, each habitat is 17% protected for nature (1-99%) and 38% secured against conversion to a different land use (10-99%), but open to multiple uses, including logging, mineral extraction, and recreation. The conserved lands are 84% resilient. Three habitats cover less than 100 acres and are excluded here.

The metrics below refer to Global Strategy for Plant Conservation (GSPC) targets calling for protecting 15% of each habitat for nature and New England targets (NET) to achieve 30% of each habitat secured against conversion on climate-resilient land, with 5-15% protected for nature. The Important Plant Area numbers are total in the state, followed by how many meet the GSPC thresholds of 75% protected for nature or secured on resilient land.

- **Important Plant Areas (IPAs):** 11, 0 Protected, 4 Secured
- **Acres to meet GSPC for all habitats:** 409,357
- **Acres to meet NET for all habitats:** 342,172
- **Habitats meeting targets:** 10 GSPC, 8 NET
 - Laurentian-Acadian Northern Hardwood Forest (GSPC, NET)
 - Laurentian-Acadian Red Oak-Northern Hardwood Forest (GSPC, NET)
 - Calcareous Cliff & Talus (GSPC, NET)
 - Laurentian-Acadian Alkaline Conifer-Hardwood Swamp (GSPC)
 - Boreal-Laurentian-Acadian Acidic Basin Fen (GSPC)
 - Calcareous Rocky Outcrop (GSPC, NET)
 - Acidic Cliff & Talus (GSPC, NET)
 - Acidic Rocky Outcrop (GSPC, NET)
 - **Acadian-Appalachian Montane Spruce-Fir-Hardwood Forest** (GSPC, NET)
 - **Acadian-Appalachian Alpine Tundra** (GSPC, NET)
- **Habitats meeting NET for Protection & Securement but not Resilience**
 - North Atlantic Coastal Plain Basin Peat Swamp
 - Northern Appalachian-Acadian Conifer-Hardwood Acidic Swamp
 - Acadian Sub-boreal Spruce Flat
 - Acadian Low Elevation Spruce-Fir-Hardwood Forest
 - Laurentian-Acadian Alkaline Conifer-Hardwood Swamp
 - Boreal-Laurentian-Acadian Acidic Basin Fen



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NEW HAMPSHIRE

CONTINUED

Unprotected Habitats Threatened by Conversion

Bold indicates a high responsibility to conserve, as > 33% of the regional habitat is in this state.

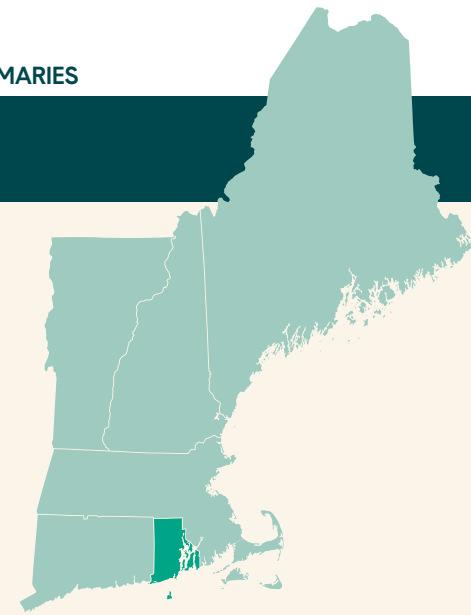
HABITAT	TOC	%PR	%S	GSPC	NET	R ac
Northeastern Coastal & Interior Pine-Oak Forest	9%	1%	16%	93 K	89 K	173 K
North-Central Appalachian Acidic Swamp	7%	2%	23%	12 K	6 K	29 K
Appalachian (Hemlock)-Northern Hardwood Forest	5%	2%	16%	158 K	167 K	608 K
N-Central Interior & Appalachian Acidic Peatland	5%	2%	39%	338	–	1 K

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TOC = threat of conversion by 2050
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%S = % secured
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NET = New England Target
R ac = resilient acres available



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RHODE ISLAND



Rhode Island has 21 mapped habitats covering 462,000 acres. On average, each habitat is 6% protected for nature (0-18%) and 28% secured against conversion to a different land use (0-73%), but open to multiple uses, including logging, mineral extraction, and recreation. The conserved lands are 37% resilient. Three habitats cover less than 100 acres and are excluded here.

The metrics below refer to Global Strategy for Plant Conservation (GSPC) targets calling for protecting 15% of each habitat for nature and New England targets (NET) to achieve 30% of each habitat secured against conversion on climate-resilient land, with 5-15% protected for nature. The Important Plant Area numbers are total in the state, followed by how many meet the GSPC thresholds of 75% protected for nature or secured on resilient land.

- **Important Plant Areas (IPAs):** 8, 0 Protected, 1 Secured
- **Acres to meet GSPC for all habitats:** 50,509
- **Acres to meet NET for all habitats:** 25,329
- **Habitats meeting targets:** 2 GSPC, 0 NET
 - North Atlantic Coastal Plain Tidal Salt Marsh (GSPC)
 - North Atlantic Coastal Plain Pitch Pine Barrens (GSPC)
- **Habitats meeting NET for Protection & Securement but not Resilience**
 - North Atlantic Coastal Plain Tidal Salt Marsh



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RHODE ISLAND

CONTINUED

Unprotected Habitats Threatened by Conversion

Bold indicates a high responsibility to conserve, as > 33% of the regional habitat is in this state.

HABITAT	TOC	%PR	%S	GSPC	NET	R ac
NA Coastal Plain Heathland & Grassland	18%	1%	24%	0.4 K	0.2 K	0.2 K
Northeastern Interior Dry-Mesic Oak Forest	8%	1%	21%	24.5 K	15.6 K	18.1 K
Atlantic Coastal Plain Beach & Dune	6%	3%	17%	0.4 K	0.4 K	0.4 K
North Atlantic Coastal Plain Maritime Forest	16%	3%	26%	1.0 K	0.3 K	0.9 K
North Atlantic Coastal Plain Hardwood Forest	18%	4%	18%	7.1 K	7.8 K	14.4 K
North-Central Appalachian Acidic Swamp	7%	6%	30%	6.1 K	0.1 K	18.4 K

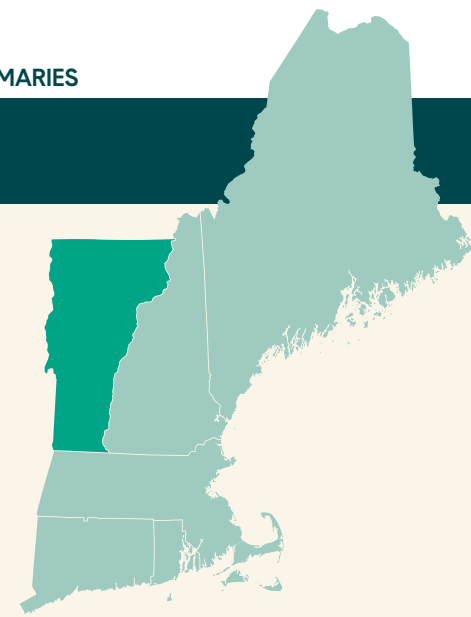
Unprotected Habitats with Low Threat, High Responsibility

Bold indicates a high responsibility to conserve, as > 33% of the regional habitat is in this state.

HABITAT	TOC	%PR	%S	GSPC	NET	R ac
Northeastern Interior Pine Barrens	3%	0%	69%	334	273	80
Laurentian-Acadian Freshwater Marsh	4%	4%	30%	492	20	823
Laurentian-Acadian Wet Meadow-Shrub Swamp	2%	5%	37%	519	378	1.1 K
North Atlantic Coastal Plain Basin Peat Swamp	2%	6%	34%	149	131	464

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%S = % secured
GSPC = Global Strategy for Plant Conservation target
NET = New England Target
R ac = resilient acres available

VERMONT



Vermont has 30 mapped habitats covering 5.5 million acres. On average, each habitat is 5% protected for nature (0-100%) and 28% secured against conversion to a different use (1-100%), but open to multiple uses, including logging, mineral extraction, and recreation. The conserved lands are 90% resilient. One habitat covers less than 100 acres and is excluded here.

The metrics below refer to Global Strategy for Plant Conservation (GSPC) targets calling for protecting 15% of each habitat for nature and New England targets (NET) to achieve 30% of each habitat secured against conversion on climate-resilient land, with 5-15% protected for nature. The Important Plant Area numbers are total in the state, followed by how many meet the GSPC thresholds of 75% protected for nature or secured on resilient land.

- **Important Plant Areas (IPAs):** 39, 1 Protected, 4 Secured
- **Acres to meet GSPC for all habitats:** 466,707
- **Acres to meet NET for all habitats:** 484,365
- **Habitats meeting targets:** 7 GSPC, 5 NET
 - Acadian-Appalachian Montane Spruce-Fir-Hardwood Forest (GSPC, NET)
 - Acidic Cliff & Talus (GSPC, NET)
 - Acadian-Appalachian Alpine Tundra (GSPC, NET)
 - Acidic Rocky Outcrop (GSPC, NET)
 - Northern Appalachian-Acadian Conifer-Hardwood Acidic Swamp (GSPC, NET)
 - Boreal-Laurentian-Acadian Acidic Basin Fen (GSPC)
 - North-Central Interior & Appalachian Acidic Peatland (GSPC)
- **Habitats meeting NET for Protection & Securement but not Resilience**
 - Boreal-Laurentian-Acadian Acidic Basin Fen
 - North-Central Interior & Appalachian Acidic Peatland



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VERMONT

CONTINUED

Unprotected Habitats Threatened by Conversion

Bold indicates a high responsibility to conserve, as > 33% of the regional habitat is in this state.

HABITAT	TOC	%PR	%S	GSPC	NET	R ac
North-Central Appalachian Acidic Swamp	7%	1%	7%	1.4 K	2.4 K	4.9 K
North-Central Interior & Appalachian Rich Swamp	5%	1%	9%	1.2 K	1.9 K	3.8 K
Appalachian (Hemlock)-Northern Hardwood Forest	5%	2%	8%	81.8 K	137.4K	358.9K
North-Central Interior Wet Flatwoods	11%	2%	6%	0.2 K	0.4 K	0.7 K
Circumneutral Cliff & Talus	7%	4%	15%	0.7 K	1.0 K	5.1 K

Unprotected Habitats with Low Threat, High Responsibility

Bold indicates a high responsibility to conserve, as > 33% of the regional habitat is in this state.

HABITAT	TOC	%PR	%S	GSPC	NET	R ac
Laurentian-Acadian Alkaline Fen	0%	0%	1%	14	27	25
L-A Red Oak-Northern Hardwood Forest	1%	2%	15%	46.6K	52.1K	235.3K
Glacial Marine & Lake Mesic Clayplain Forest	4%	2%	7%	4.1K	7.5K	11.9K
Glacial Marine & Lake Wet Clayplain Forest	3%	2%	12%	1.8K	2.5K	3.7K
Calcareous Rocky Outcrop	0%	7%	23%	1.4K	1.1K	11.4K
Calcareous Cliff & Talus	1%	8%	31%	1.1K	–	10.3K

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