



JOHN ELIAS BALDACCI
GOVERNOR

STATE OF MAINE
DEPARTMENT OF
INLAND FISHERIES AND WILDLIFE
284 STATE STREET
41 STATE HOUSE STATION
AUGUSTA, MAINE
04333-0041

ROLAND D. MARTIN
COMMISSIONER

Wildlife Division
689 Farmington Road - Strong, ME 04983

September 15, 2005

Dana Valteau
E/PRO Engineering and Environmental Consulting, LLC
249 Western Avenue
Augusta, ME 04330

Dear Dana:

I received your request for Significant and Essential Wildlife Habitat information for the project in Kibby. Enclosed are the results of my review.

Essential Habitats:

Essential Habitats are defined as "areas currently or historically providing physical or biological features essential to the conservation of an endangered or threatened species in Maine and which may require special management considerations". Essential Habitat protection in Maine currently applies to bald eagle, roseate and least tern, and piping plover nest sites, but additional listed species may receive attention in the future.

According to MDIFW records, there are no Essential Habitats known to be associated with this property.

Significant Wildlife Habitats:

The Natural Resources Protection Act, administered by the Maine Department of Environmental Protection, provides protection to certain natural resources including Significant Wildlife Habitats. Significant Wildlife Habitats are defined by the NRPA as:

- Habitat for state and federally listed endangered and threatened species.
- High and moderate value deer wintering areas (DWAs) and travel corridors.
- High and moderate value waterfowl and wading bird habitats (WWHs), including nesting and feeding areas.
- Shorebird nesting feeding and staging areas.
- Seabird nesting islands.



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FISH AND WILDLIFE ON THE WEB: www.mefishwildlife.com

EMAIL ADDRESS - ifw.webmaster@maine.gov

TELEPHONE (207) 778-3324

FAX (207) 778-3323

E: MAIL robert.cordes@maine.gov

Waterfowl and Wading Bird Habitat (WWH)

According to MDIFW records this parcel identified, as "D Series" is associated with a WWH rated Moderate Value. Please see the enclosed map(s). The Maine DEP and Maine IFW recommend that towns place Moderate and High Value WWHs in Resource Protection. Therefore you should check with LURC for harvest regulations. If the town does not have this area in Resource Protection, it is still important to maintain a 250' undisturbed (permanent clearings, roads, etc.) buffer. Within this buffer, uneven-aged forest management should be used if the landowner is going to harvest any trees. Volume removal should not exceed 30% in a 15-year period and a well-distributed overstory should be maintained. No trees should be cut within 75 feet of the shore.

Threatened, Endangered or Special Concern Species

Finally, the department maintains a statewide database of Threatened and Endangered wildlife species and habitats, or Species of Special Concern. In general, these records are not the product of recent or intensive surveys for T/E species. Review of department records shows Rock Voles to be associated with "B Series" of your project area. The Rock Vole (a.k.a. yellow-nosed vole) is a species of special concern in Maine and occurs in small populations in scattered locations within the state. Not surprisingly, rock voles are normally found in rocky outcrops or talus slopes. Thus, minimizing disturbance to these areas is vital to the conservation of this species.

If you have any questions or would like further assistance please contact this office, we would be glad to help.

Yours truly,



Robert C. Cordes
Assistant Regional Wildlife Biologist

A Series



Maine Department of Inland Fisheries & Wildlife

689 Farmington Road, Strong, ME 04983-9419

Phone: (207) 778-3324, FAX: (207) 778-3323

Site-Specific Search of Wildlife Observations and Habitat

SEARCH PARAMETERS

County: Franklin
IF&W Region: D
Township(s): Kibby Twp
Search Center: 380197 east, 5027468 north (UTM NAD83 coordinates)
Search Area: 1.44 sq. miles
Date: Thursday, September 15, 2005

RESULTS

Essential Wildlife Habitats

BALD EAGLE NEST SITES

None Found

PIPING PLOVER / LEAST TERN NESTING, FEEDING, AND BROOD-REARING AREAS

None Found

ROSEATE TERN NESTING AREAS

None Found

Natural Resource Protection Act (NRPA) Habitats

SEABIRD NESTING ISLANDS

None Found

DEER WINTER AREAS

None Found

INLAND WATERFOWL/WADING BIRD HABITATS

None Found

SHOREBIRD AREAS

None Found

COASTAL/TIDAL WATERFOWL/WADING BIRD HABITAT

None Found

Land Use Regulator Commission (LURC) Deer Winter Areas

None Found

Biological Conservation Database (BCD)

POINTS OBSERVATIONS BUFFERED BY 0.25 MILES

None Found

MAPPED HABITAT POLYGONS

None Found

Natural Areas Program Rare Plants/Communities

Field-verified natural resources of statewide significance.

RARE PLANT LOCATIONS

Rare Plant Locations designate specific points where populations of rare, threatened, and endangered plants have been documented and, for some species, habitat for the respective plants. The habitat in which these plants occur is important for their survival. Rare Plant Locations may occur either outside of or inside documented MNAP Rare and Exemplary Natural Communities. Rare plants often are components of documented natural communities and can be conserved in the context of these larger systems. Populations of rare plants outside of documented natural communities will require separate conservation actions.

Code	Common Name	Site	Rank
PDRUB0N150*005*ME	Boreal Bedstraw	WEST OF SPENCER STREAM	S2

CODE = unique identifier of Plant site

SITE = general/common name of site area

RANK = state rank:

S1 - critically imperiled in Maine because of extreme rarity (five or fewer occurrences or very few remaining individuals or acres) or because some aspect of its biology makes it especially vulnerable to extirpation from the State of Maine.

S2 - imperiled in Maine because of rarity (6-20 occurrences or few remaining individuals or acres) or because of other factors making it vulnerable to further decline.

S3 - rare in Maine (on the order of 20-100 occurrences).

S4 - apparently secure in Maine.

S5 - demonstrably secure in Maine.

SH - occurred historically in Maine, and could be rediscovered; not known to have been extirpated.

SU - possibly in peril in Maine, but status uncertain; need more information.

SX - apparently extirpated in Maine (historically occurring species for which habitat no longer exists in Maine).

RARE / EXEMPLARY NATURAL COMMUNITIES

Rare or Exemplary Natural Communities are two broad classes of natural communities recognized as important for conservation: those that are rare and those that are common but in exemplary condition. A natural community is a system of interacting plants and their common environment, recurring across the landscape, where the effects of human intervention are minimal. There are currently 115 natural community types and 35 ecosystem types known in Maine. Examples of rare natural communities in Maine include pitch pine/scrub oak barrens, Atlantic white cedar bog, and Spartina tidal marsh. Examples of common community types include oak/pine forest, red maple swamp, and cattail marsh. Most common natural communities have been impacted by land use practices and it is unusual to find relatively large undisturbed examples of them.

Rare and Exemplary Natural Communities represent the natural legacy of habitat types for our state. The long-term conservation of our natural heritage depends on protecting these areas.

Code	Common Name	Site	Rank
CFCU500000*023*ME	Subalpine Fir Forest	KIBBY MOUNTAIN	S3

CODE = unique identifier of community site

SITE = general/common name of site area

RANK = state rank:

S1 - critically imperiled in Maine because of extreme rarity (five or fewer occurrences or very few remaining individuals or acres) or because some aspect of its biology makes it especially vulnerable to extirpation from the State of Maine.

S2 - imperiled in Maine because of rarity (6-20 occurrences or few remaining individuals or acres) or because of other factors making it vulnerable to further decline.

S3 - rare in Maine (on the order of 20-100 occurrences).

S4 - apparently secure in Maine.

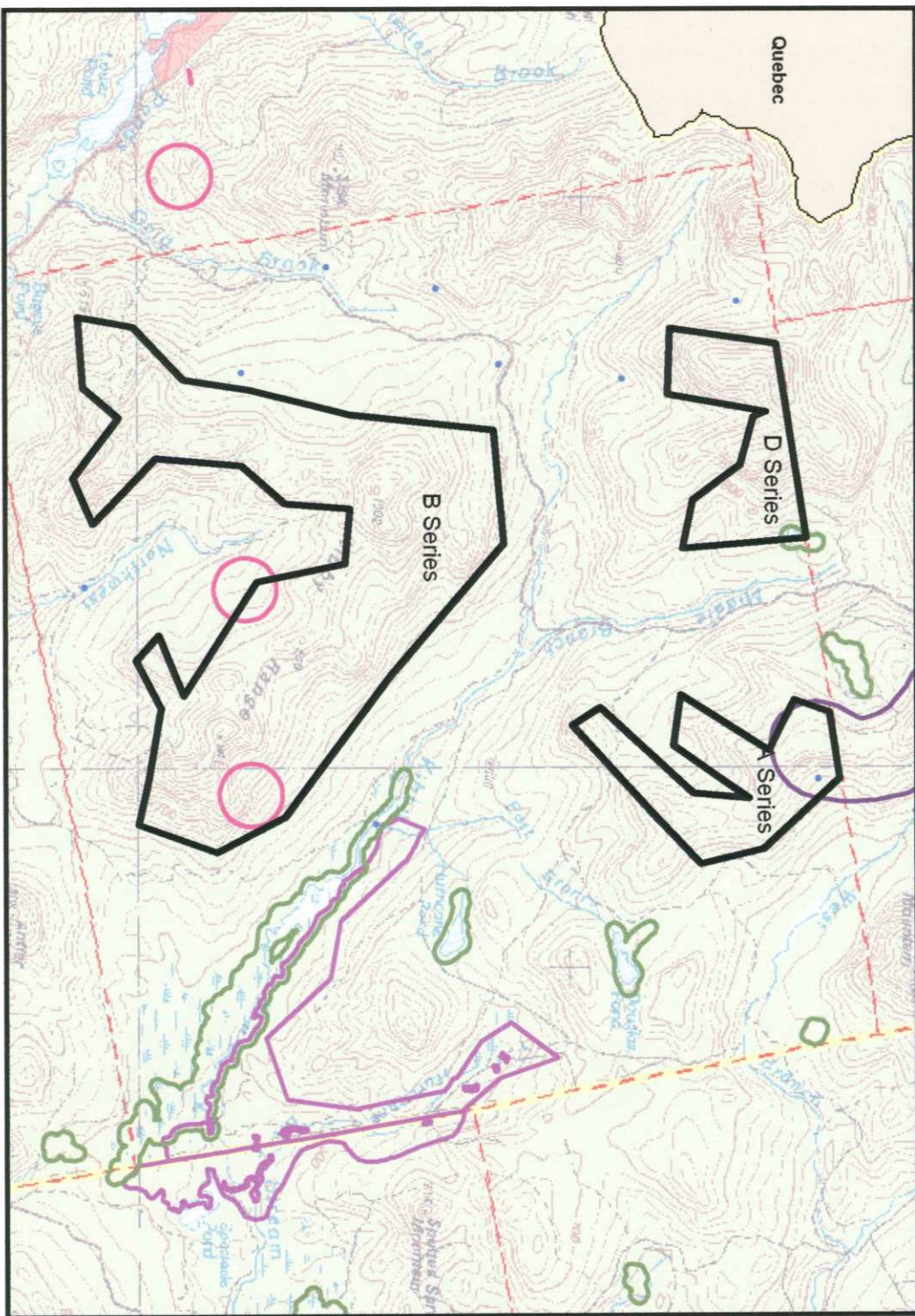
S5 - demonstrably secure in Maine.

SH - occurred historically in Maine, and could be rediscovered; not known to have been extirpated.

SU - possibly in peril in Maine, but status uncertain; need more information.

SX - apparently extirpated in Maine (historically occurring species for which habitat no longer exists in Maine).

Search for Wildlife Observations & Habitat



- Bald Eagle Nest Site
- Piping Plover / Least Tern Nesting, Feeding, & Brood-rearing Area
- Roseate Tern Nesting Area
- Deer Winter Area
- Inland Waterfowl / Wading Bird Habitat
- Coastal Waterfowl / Wading Bird Habitat
- Seabird Nesting Island
- Shorebird Area
- Biological Conservation Database Rare Species or Habitat Observation
- Rare Plant
- Rare / Exemplary Natural Community
- Township Boundary
- County



1:85,484

UTM Projection, Zone 19N, NAD83

689 Farmington Road
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 Voice: (207) 778-3324
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 September 15, 2005



B series



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689 Farmington Road, Strong, ME 04983-9419
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Site-Specific Search of Wildlife Observations and Habitat

SEARCH PARAMETERS

County: Franklin
IF&W Region: D
Township(s): Kibby Twp
Search Center: 377706 east, 5022149 north (UTM NAD83 coordinates)
Search Area: 6.61 sq. miles
Date: Thursday, September 15, 2005

RESULTS

Essential Wildlife Habitats

BALD EAGLE NEST SITES

None Found

PIPING PLOVER / LEAST TERN NESTING, FEEDING, AND BROOD-REARING AREAS

None Found

ROSEATE TERN NESTING AREAS

None Found

Natural Resource Protection Act (NRPA) Habitats

SEABIRD NESTING ISLANDS

None Found

DEER WINTER AREAS

None Found

INLAND WATERFOWL/WADING BIRD HABITATS

None Found

SHOREBIRD AREAS

None Found

COASTAL/TIDAL WATERFOWL/WADING BIRD HABITAT

None Found

Land Use Regulator Commission (LURC) Deer Winter Areas

None Found

Biological Conservation Database (BCD)

The Biological Conservation Database is an information management component of the Natural Heritage Program Network created by the Nature Conservancy. It is designed to track information on the status, life history, conservation needs, and occurrences for rare species and natural communities. MDIFW is responsible for maintaining the zoological portion of the database, which contains information on approximately 1050 animal species native to the State.

POINTS OBSERVATIONS BUFFERED BY 0.25 MILES

In the map, BCD points are surrounded by a 0.25-mile radius circle to represent the general area around the observation that should be considered for management. Ideally, the mapped polygon should show the extent of the important habitat(s) associated with the observation, but until a new landcover map of Maine becomes available, we are using simple circular buffers to approximate that area. This circular buffer is less appropriate for aquatic species for which the limit of the water body or a buffered stream segment may be more realistic. In all cases, an MDIFW biologist should investigate the habitat around a BCD observation to determine the most appropriate area for management consideration.

Classification of BCD observations as CONCERN = 'Y' or CONCERN = 'N' indicates whether the area around the observation should receive special management consideration based on the species involved (endangered, threatened, or rare), importance or rarity of the habitat, or whether the observation is recent or historical. Observations in BCD that are duplicated in other MDIFW datasets (e.g., Eagle Essential Wildlife Habitats) are classified here as CONCERN = 'N', not because they are unimportant but because they should already be flagged elsewhere in this report. Any questions regarding BCD observations should be directed to MDIFW's Endangered & Threatened Species Group.

Code	Common Name	Survey Area
AMAFF11090*017*ME	ROCK VOLE	KIBBY RANGE SOUTH
AMAFF11090*018*ME	ROCK VOLE	KIBBY RANGE NORTH

CODE = unique identifier of observation

MAPPED HABITAT POLYGONS

None Found

Natural Areas Program Rare Plants/Communities

RARE PLANT LOCATIONS

None Found

RARE / EXEMPLARY NATURAL COMMUNITIES

None Found

D Series



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Site-Specific Search of Wildlife Observations and Habitat

SEARCH PARAMETERS

County: Franklin
IF&W Region: D
Township(s): Kibby Twp
Search Center: 375858 east, 5027870 north (UTM NAD83 coordinates)
Search Area: 1.15 sq. miles
Date: Thursday, September 15, 2005

RESULTS

Essential Wildlife Habitats

BALD EAGLE NEST SITES

None Found

PIPING PLOVER / LEAST TERN NESTING, FEEDING, AND BROOD-REARING AREAS

None Found

ROSEATE TERN NESTING AREAS

None Found

Natural Resource Protection Act (NRPA) Habitats

Title 38, Chapter 3, Article 5-A, Section 480 of M.R.S.A. identifies habitats protected under the Natural Resources Protection Act (NRPA). Included in the definitions section (480-B) is "Significant Wildlife Habitat", which means areas that have been mapped by MDIFW or are within any other protected natural resource including habitat for listed endangered/threatened animal species; high/moderate value deer wintering areas; high/moderate value waterfowl/wading bird habitat; shorebird nesting, feeding, and staging areas; and seabird nesting islands. Although all of these habitats are mapped by MDIFW, to date only Seabird Nesting Islands have gone through the formal NRPA process. Specific deer wintering areas, inland and coastal

waterfowl/wading bird habitat, and shorebird areas have been designated "Candidate NRPA," indicating they meet the NRPA requirements but have not been formally zoned.

SEABIRD NESTING ISLANDS

None Found

DEER WINTER AREAS

None Found

INLAND WATERFOWL/WADING BIRD HABITATS

Areas rated as high, moderate or indeterminate (see MDIFW: Significant Wildlife Habitat Protection Document, Waterfowl and Wading Bird Habitat - General, MDIFW, 12/22/93) qualify as Candidate NRPA habitats. The mapped boundary includes a 250-ft buffer adjacent to the wetland habitat used by waterfowl and wading birds. This data set was developed in accordance with NRPA and the Comprehensive Planning and Land Use Regulation Act (Growth Management).

Code	Type	Rating
	shrub swamp	moderate

CODE = Unique identifier assigned by MDIFW to the polygon. Note: polygons without a code were identified by the University of Maine analysis of wetland habitats in 2002.

These polygons do not have corresponding records in MDIFW's databases.

TYPE = Primary type of habitat

RATING = Inland waterfowl/wading bird habitats with a "high," "moderate," or "indeterminate" rating are considered as Candidate NRPA.

SHOREBIRD AREAS

None Found

COASTAL/TIDAL WATERFOWL/WADING BIRD HABITAT

None Found

Land Use Regulator Commission (LURC) Deer Winter Areas

None Found

Biological Conservation Database (BCD)

POINTS OBSERVATIONS BUFFERED BY 0.25 MILES

None Found

MAPPED HABITAT POLYGONS

None Found

Natural Areas Program Rare Plants/Communities

RARE PLANT LOCATIONS

None Found

RARE / EXEMPLARY NATURAL COMMUNITIES

None Found

Kane, Douglas

To: Valleau, Dana
Subject: RE: Kibby Wind Information Request

Dana,

I can't believe I never got back to you regarding state E&T species or species of special concern for Skinner Township. I did review our database early on in the process and found no Significant or Essential wildlife habitats or any record of rare critters in the town. I'm sure that's why it got lost in the shuffle.

I will put in the mail today a hard copy of a map of Skinner Township containing our records. Please note the occurrence of "candidate" Inland Waterfowl and Wading Bird Habitats. Since these are all located in lower areas I don't think there should be any conflict. Also note, however, the rare natural community outlined on Kibby Mountain, and the point locations of rare plants. To get more information on these please contact Molly Docherty or one of her staff at The Maine Natural Areas Program, if you haven't already.

Again, I apologize for not getting something to you sooner. If you have any additional questions, please feel free to contact me again. Have a good Thanksgiving!

Douglas M. Kane
Wildlife Biologist
Inland Fisheries & Wildlife
P.O. Box 551
Greenville, ME 04441
(207) 695 - 3756
douglas.kane@maine.gov

-----Original Message-----

From: Valleau, Dana [mailto:DValleau@eproconsulting.com]
Sent: Thursday, September 15, 2005 1:18 PM
To: douglas.kane@maine.gov
Subject: Kibby Wind Information Request

Hi Doug,

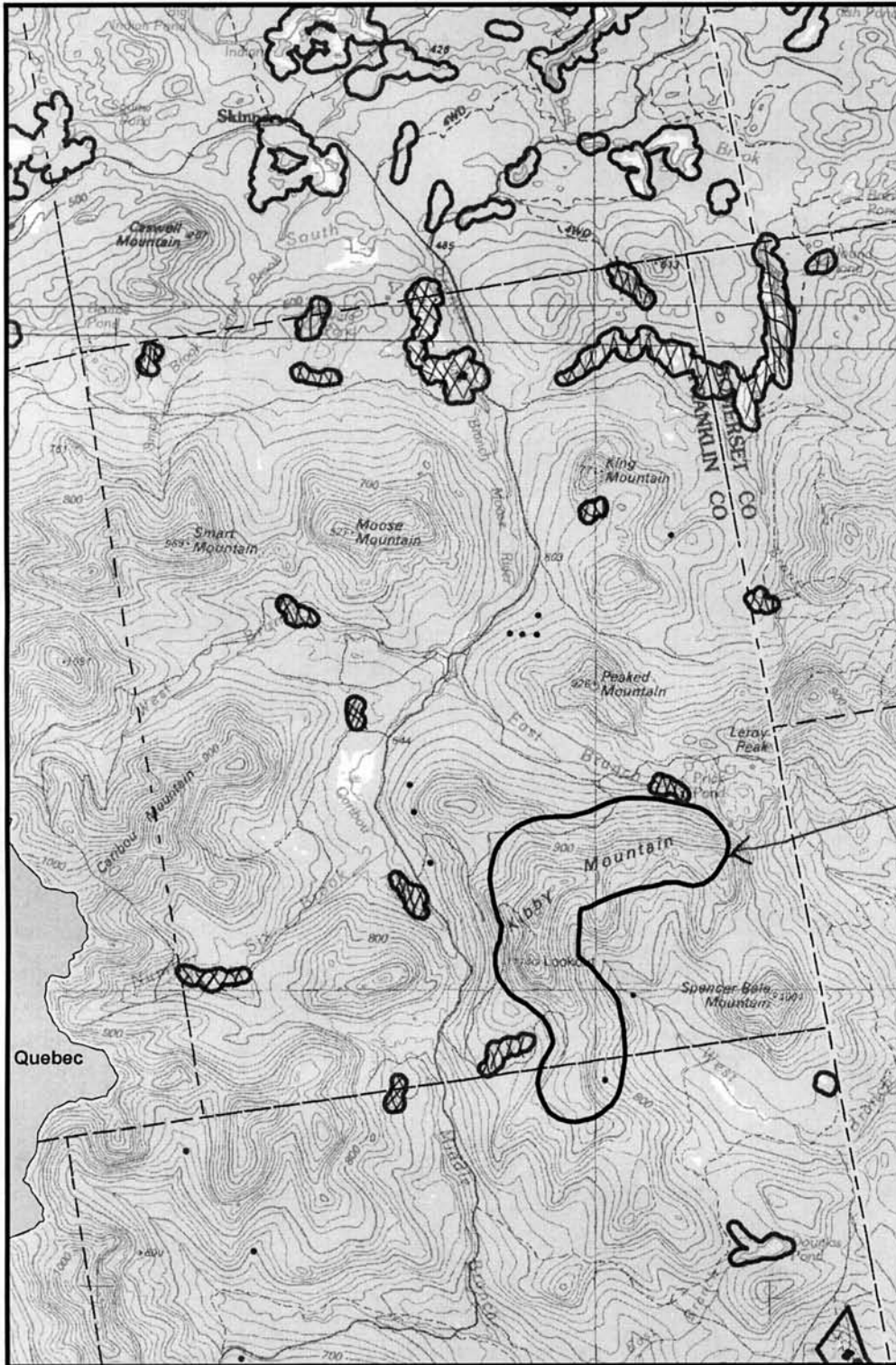
I'm writing to check on the status of an Information Request for State Listed T&E Species in your region in the vicinity of the proposed Kibby Mountain Wind Power Project that we sent you, dated July 27, 2005. We have received information from MNAP and USFWS so far, and just want to confirm that the request we sent you is in process.

Thank you for looking into it and please give me a call if you want to get out on one of the day time bird surveys or night time radar surveys.

Dana Valleau
TRC-E/PRO Engineering and Environmental Consulting, LLC
249 Western Avenue
Augusta, Maine 04330

(207) 621-7093

Search for Wildlife Observations & Habitat



- Bald Eagle Nest Site
- Piping Plover / Least Tern Nesting, Feeding, & Brood-rearing Area
- Roseate Tern Nesting Area
- Deer Winter Area
- ⊗ Inland Waterfowl / Wading Bird Habitat
- Coastal Waterfowl / Wading Bird Habitat
- Seabird Nesting Island
- Shorebird Area
- Biological Conservation Database Rare Species or Habitat Observation
- Rare Plant
- Rare / Exemplary Natural Community
- Township Boundary
- County

0 0.8 1.6 2.4 3.2 Miles

1:99,728

UTM Projection, Zone 19N, NAD83



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 November 22, 2005

