

**Exhibit 7E**  
**Access Review Report for Express Collector Line**



**SGC ENGINEERING, LLC**

- Civil Design & Survey Engineering
- Environmental & Regulatory Permitting
- Electrical Power Systems Engineering

Offices - Westbrook & Orono, Maine  
South Burlington, Vermont

**BOWERS CONSTRUCTION  
ACCESS REVIEW**

SGC Engineering has undertaken review and assessment of project access for construction of the Bowers Express Collector Line at the request of First Wind. Access for construction is considered to be adequate with a fairly good system of existing roads throughout the project area. The attached table and maps identify the location of each access road, the current road condition, the length of road, and the recommended road improvements.

Most of the proposed access that has been reviewed provides clear connectivity to the Right of Way (ROW) for the Express Collector Line. Some of the access utilizes winter-type roads and old woods roads which have not been used in some time. These roads will have to be improved and upgraded for direct access to the ROW for clearing and construction. Where these types of road conditions exist, resource delineation has been completed. The recommended improvements include road grading to establish adequate drainage of the road surface; brushing back existing vegetation to allow for construction access and visibility; building up the roadbed with additional gravel; installation and maintenance of culverts; and the reestablishment and maintenance of existing road ditches.

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[www.sgceng.com](http://www.sgceng.com) • E-mail: [sgc@sgceng.com](mailto:sgc@sgceng.com)

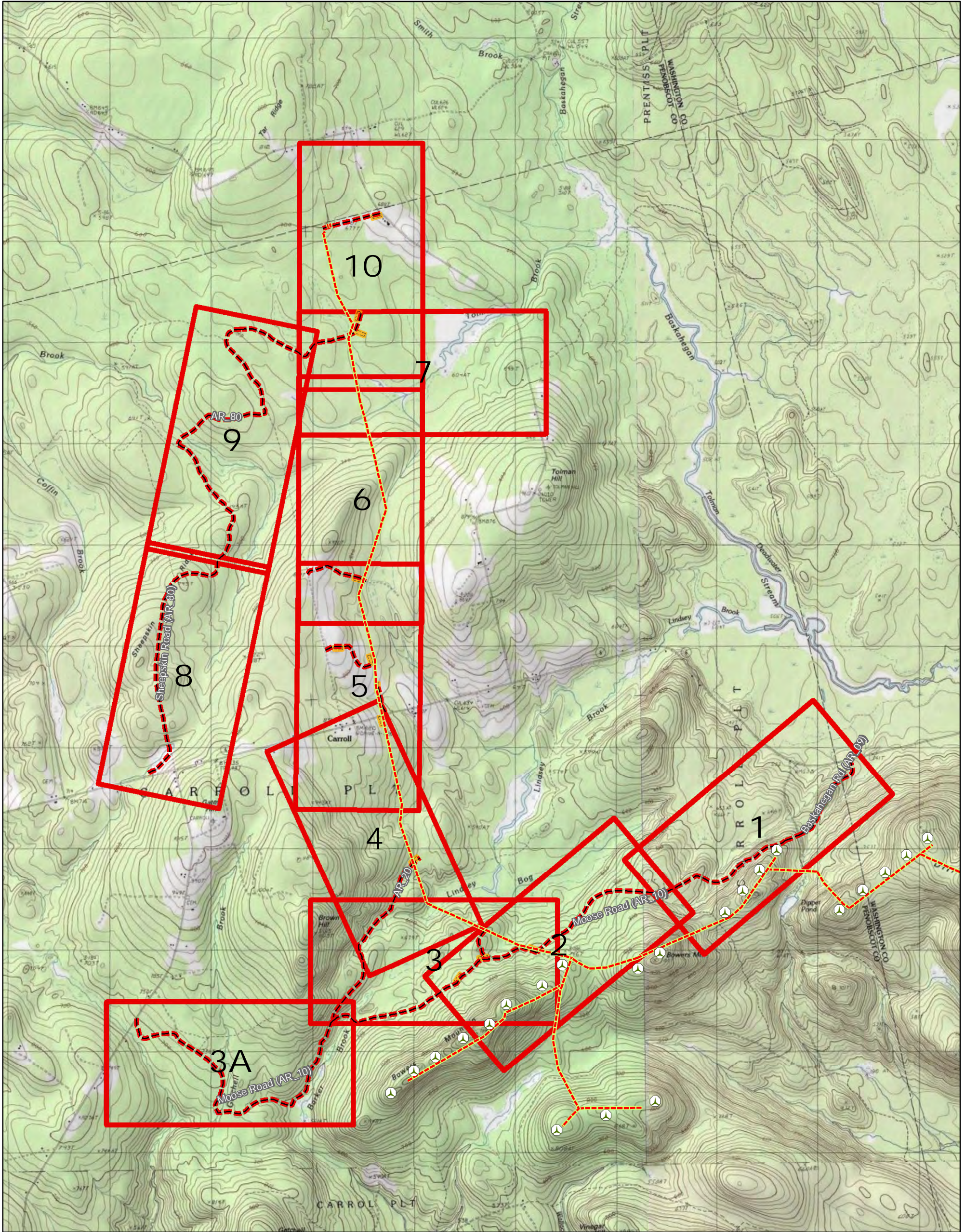


ACCESS ROAD DESIGNATION	ACCESS ROAD SEGMENT DESIGNATION	APPROXIMATE LENGTH (F = FEET, M = Miles)	ROAD TYPE	ESTIMATED LINEAR FEET OF ADDITIONAL GRAVEL REQUIRED	ESTIMATED NUMBER OF NEW CULVERT INSTALLATIONS	NUMBER OF SUGGESTED CULVERT REPLACEMENTS	NUMBER OF CULVERT LOCATIONS REQUIRING MAINTENANCE	ESTIMATED REQUIRED LINEAR FEET OF ROAD DITCHING	ESTIMATED REQUIRED LINEAR FEET OF ROAD BRUSHING	ROAD IMPROVEMENTS REQUIRED	POTENTIAL YARD LOCATIONS
AR_10	A	2.3 M	2	200	0	3	1	1500	2.3 M	Brush back the existing vegetation along the length of the road to improve visibility and reduce impact on drainage. Maintain and reestablish roadside ditches as required. Replace culverts and perform required culvert maintenance as identified. Grade existing road to establish positive drainage of the road surface.	
	B	1.4 M	3	3500	0	4	5	5000	1.4 M	Brush back the existing vegetation along the length of the road to improve visibility and reduce impact on drainage. Install new culverts as needed, maintain existing culverts and reestablish positive drainage along road. Build up road with additional gravel where identified. Maintain and reestablish roadside ditches as required. Grade the existing road to establish positive drainage of the road surface into the ditches.	There is an existing yard area on the north side of the road just beyond the turn off to Tower Road.
AR_10-1		1000	5	0	0	0	0	0	1000	Brush out the existing skidder road as required to accommodate clearing and construction type vehicles.	There is an existing yard on the north side of AR_10, 2000 feet beyond the turn off to Tower Road.
AR_20		1.2 M	3	1.2 M	1	1	7	5000	0	Install new culvert and replace existing culvert where indicated. Maintain existing culverts and reestablish positive drainage along road. Maintain and reestablish roadside ditches as required. Build up road with additional gravel over the entire length. Grade the road to establish positive drainage of the road surface into the ditches.	There is a large existing yard area adjacent to the road on the north side.
AR_40		850 F	3	850	0	1	0	850	850	Brush back the existing vegetation along the length of the road to improve visibility and reduce impact on drainage. Install new culvert as needed at brook crossing and maintain positive drainage along road. Maintain and reestablish roadside ditches as required to maintain positive drainage. Build up road with additional gravel over the entire length. Grade the road to establish positive drainage of the road surface into the ditches.	A yard area is proposed to be established in the field area where the access road enters into the field..
AR_50		2000 F	6	0	0	1	0	0	0	Replace existing culvert at road entrance.	A yard area is proposed to be established in the field area either at the gravel pad or at the ROW.
AR_60		2100 F	3	2100	4	0	0	2100	2100	Brush back the existing vegetation along the length of the road to accommodate clearing and construction type equipment, improve visibility and allow for positive drainage. Install new culverts as needed and reestablish positive drainage along road. Maintain and reestablish roadside ditches as required to maintain positive drainage. Build up road with additional gravel over the entire length. Grade the existing road to establish positive drainage of the road surface into the ditches.	A yard area is proposed to be established on the south side and adjacent to the road just before the ROW.
	A	3.8 M	2	0	0	0	0	0	0	Grade the road to establish positive drainage of the road surface into the ditches.	



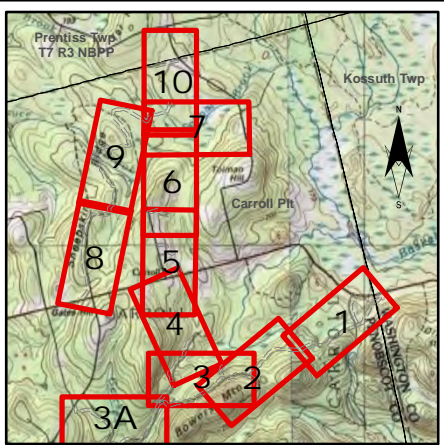
**FIRST WIND - BOWERS PROJECT  
EXPRESS COLLECTOR LINE  
PROJECT ACCESS MATRIX - Rev 3  
13 Jan 2011**

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AR_80	B	4850 F	3	950	2	0	0	3000	0	Install new culverts where indicated to establish positive drainage along road. Extend culvert outfalls well beyond road shoulder to ensure drainage away from road. Maintain and reestablish roadside ditches as required. Build up road with additional gravel where indicated. Grade the road to establish positive drainage of the road surface into the ditches.	There is an existing yard area located just beyond the ROW.
AR_90		1950 F	6	0	0	0	0	0	0	Suggested route for clearing and line construction follows an existing skidder trail approximately 200 feet south of the Line 56 ROW. No improvements are suggested as this access is expected to be used as a temporary measure. Crossing of resources is suggested to be done on timber mats. Permanent access will be along substation road once project is complete.	A yard area is proposed at North Road adjacent to the Line 56 ROW.



**Access Road Review**

**INDEX**



▲ Turbines-Approx. (First Wind 07/25/2010)  
--- Collector (SGC - 12/23/2010)  
--- Access Roads (SGC - 01/14/2011)  
▲ Potential Yard Areas  
■ Bowers Map Tiles  
 NGS USA Topographic Maps

Sources:  
 USDA - 2009 NAIP Imagery; Stantec;  
 Maine Office of GIS; and  
 SGC Engineering, LLC

1 inch = 3,000 feet

0 2,500 5,000  
 Feet

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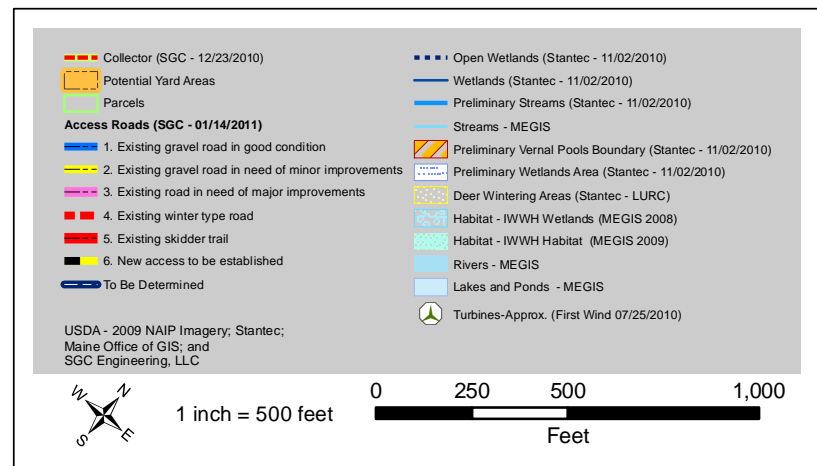
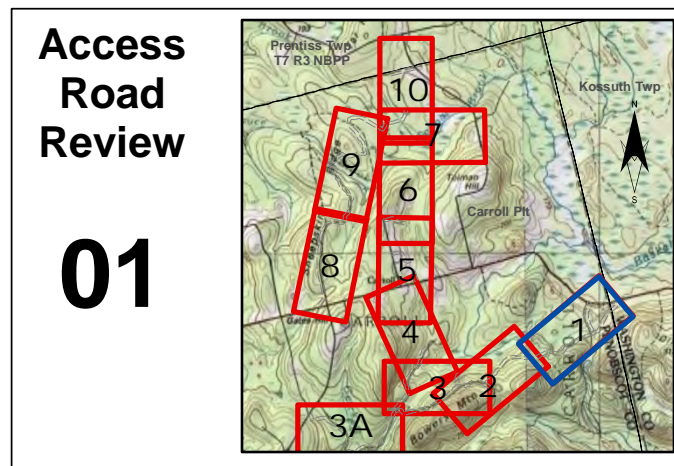
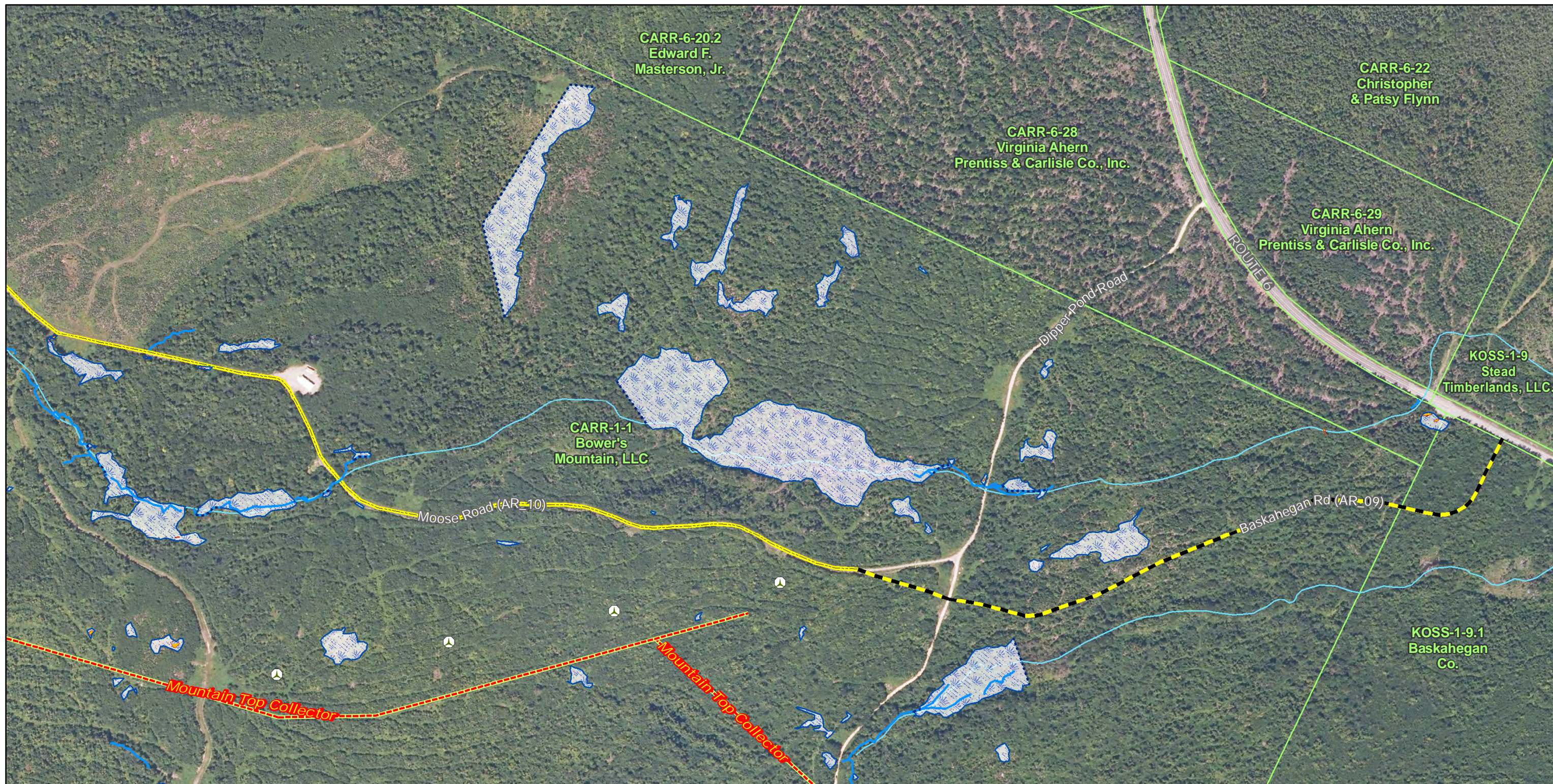
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**Champlain Wind, LLC**  
 PROJECT: 780001  
 JAN 2011

This map was developed to determine: Adequate access for project construction, additional access as required, potential wood yards and construction lay down areas, road condition assessment, and required maintenance.

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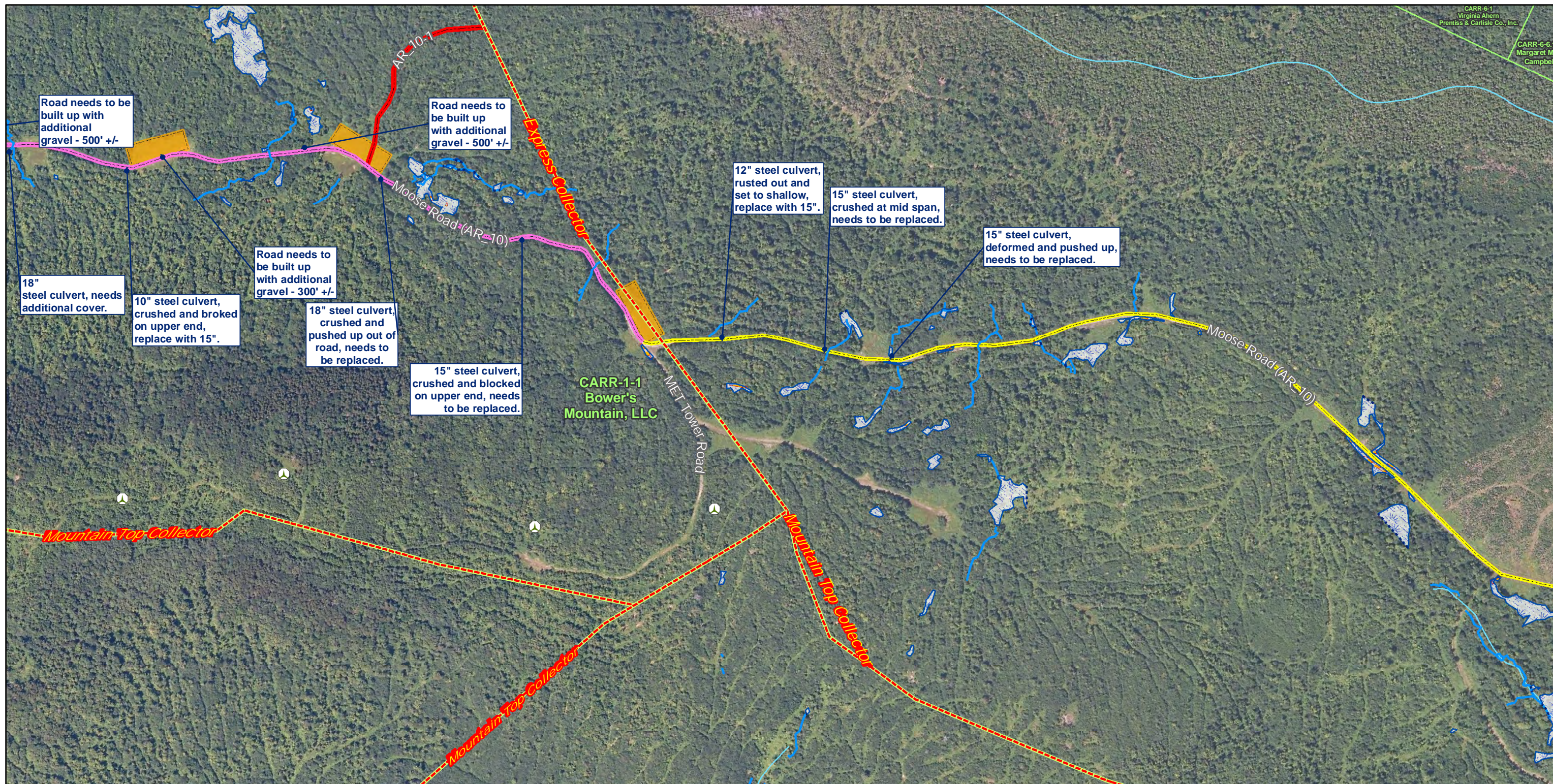


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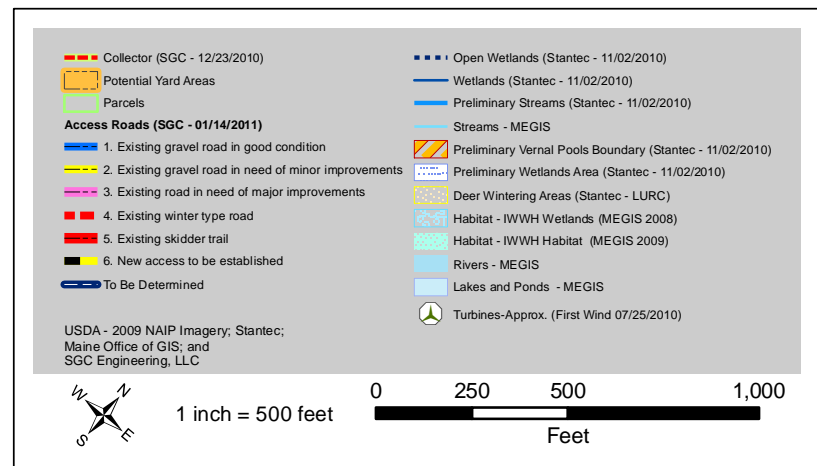
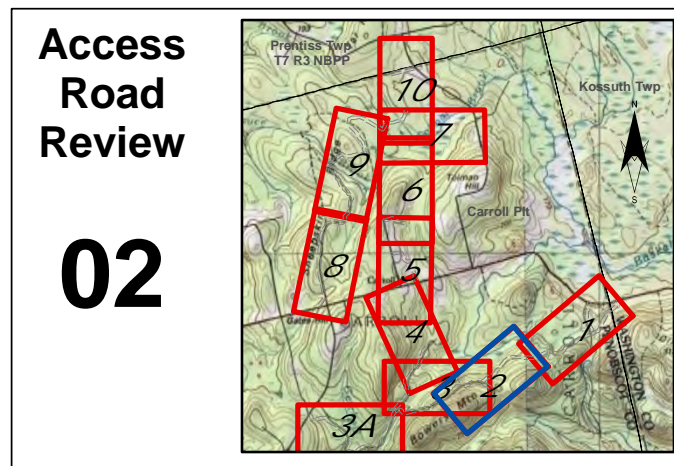
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CARR-6-1 Virginia Ahern  
Prentiss & Carlisle Co., Inc.  
CARR-6-6-1 Margaret M. Campbell



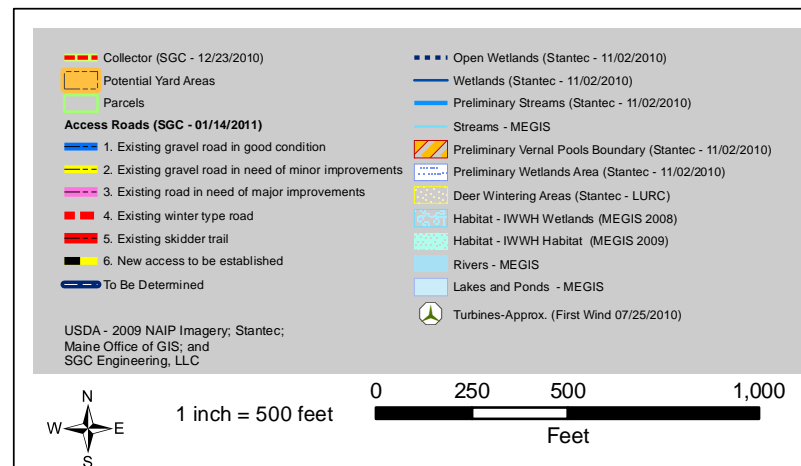
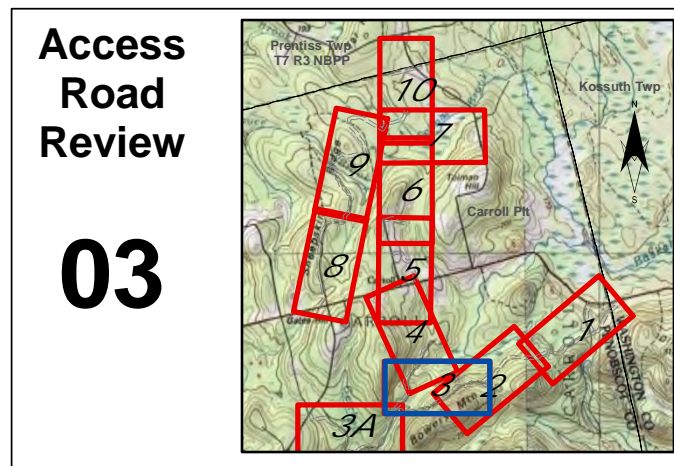
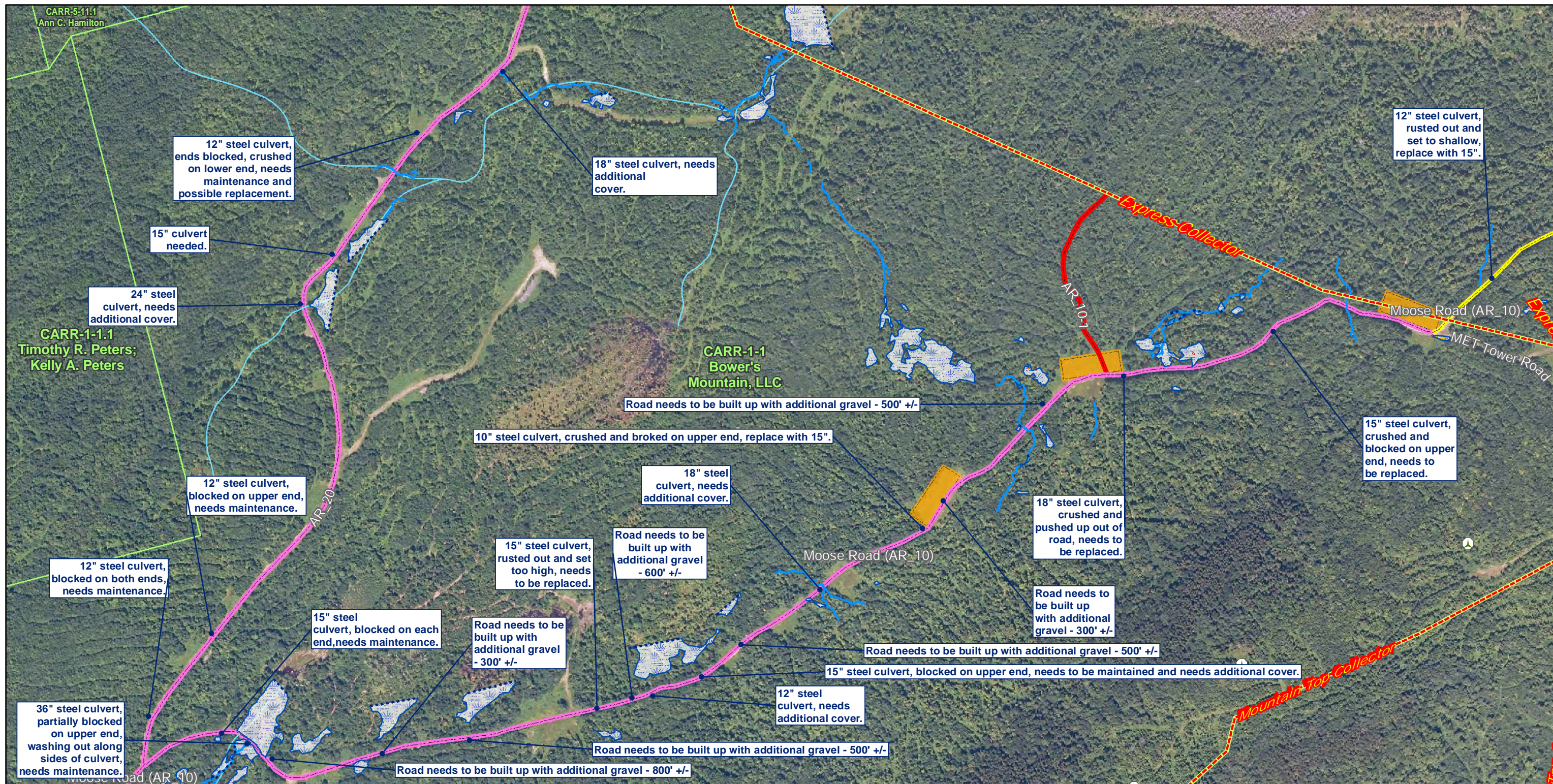
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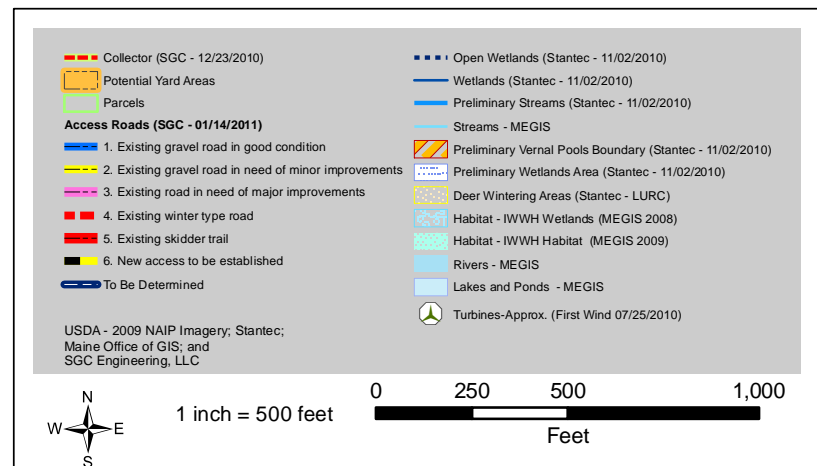
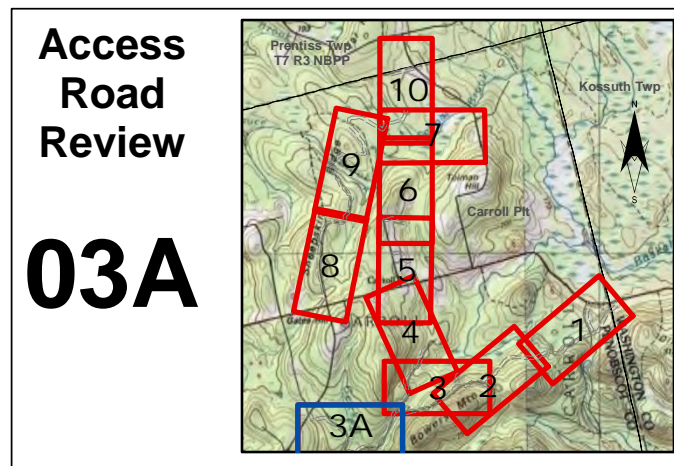
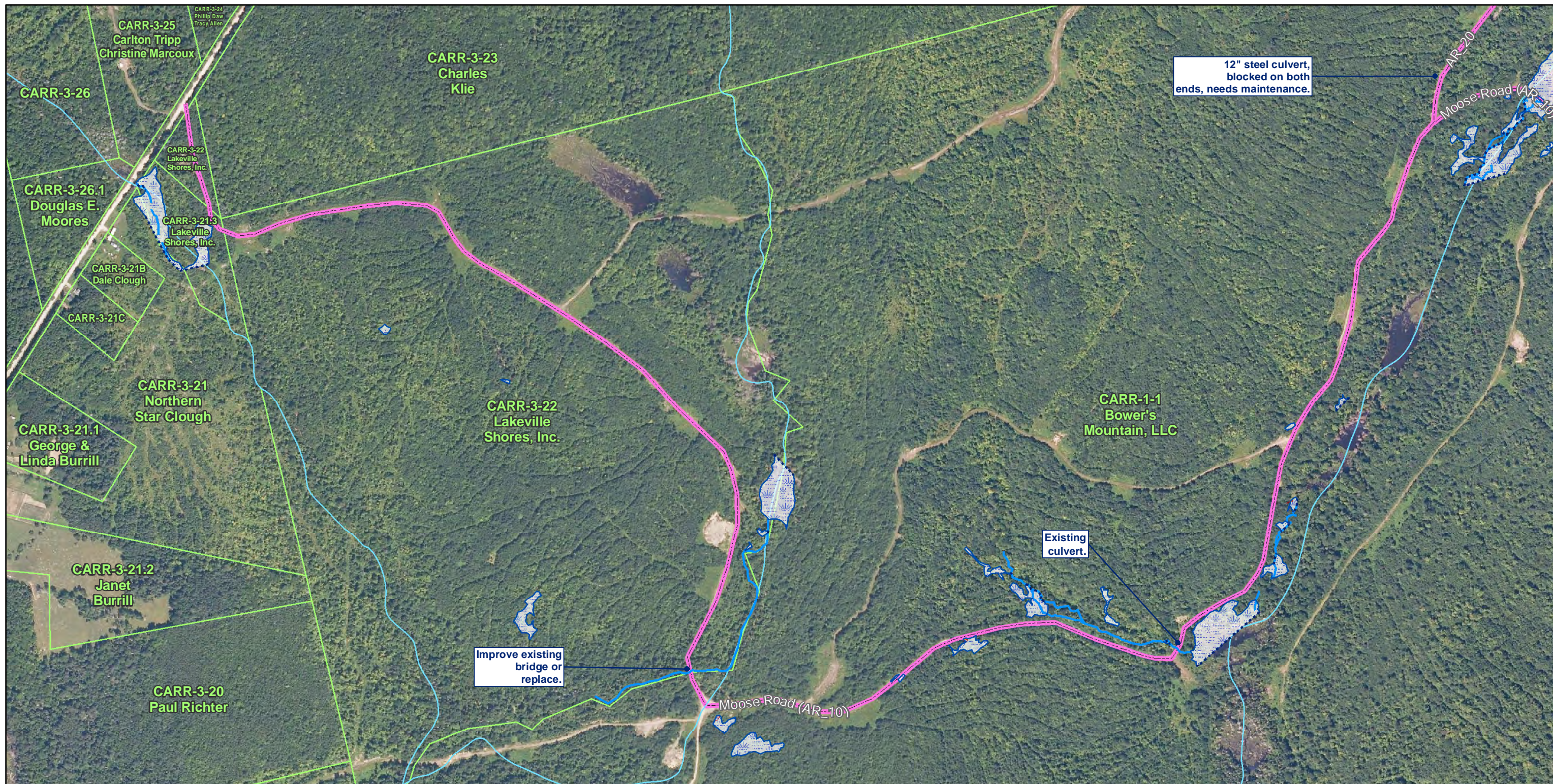
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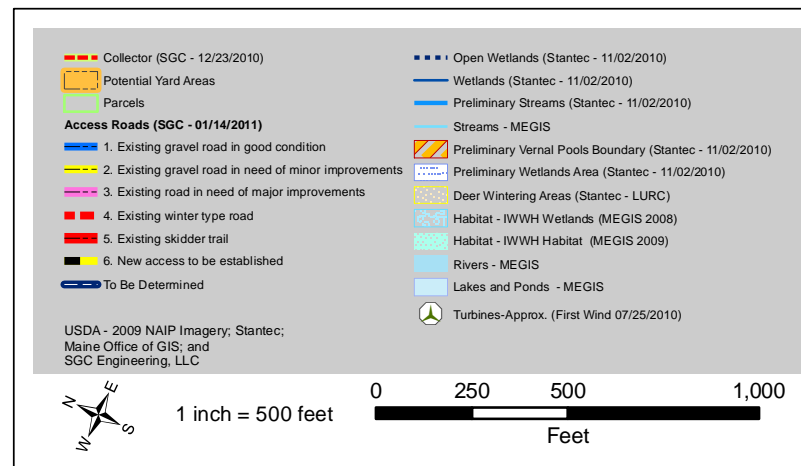
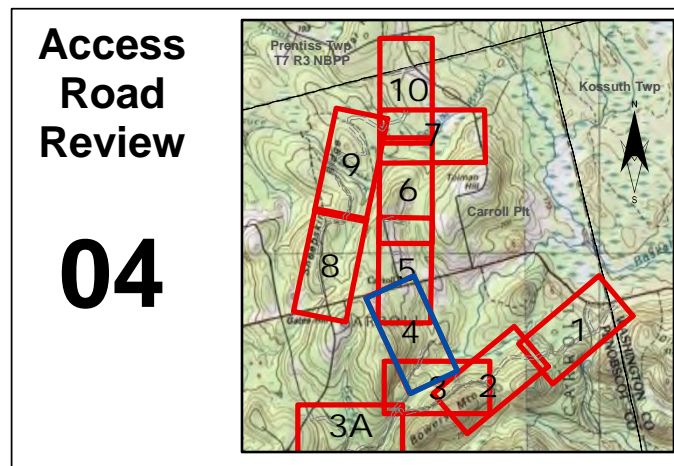
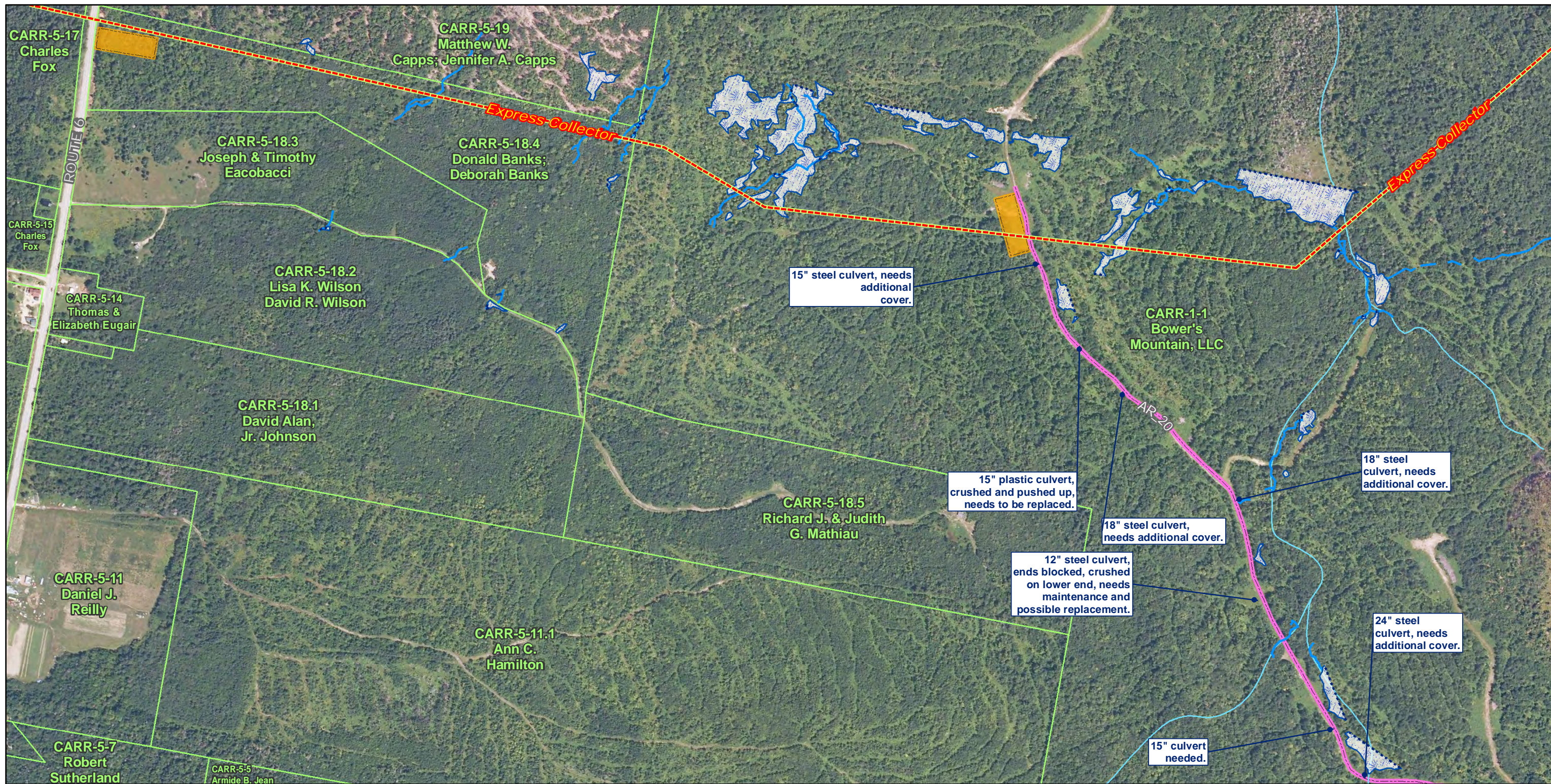
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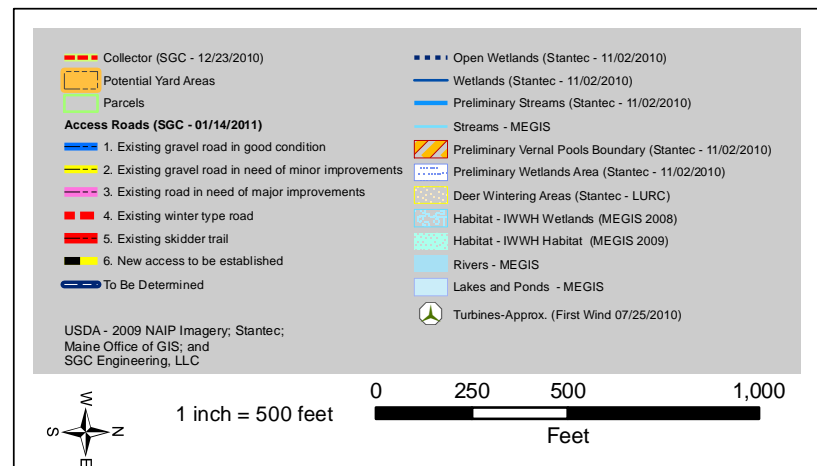
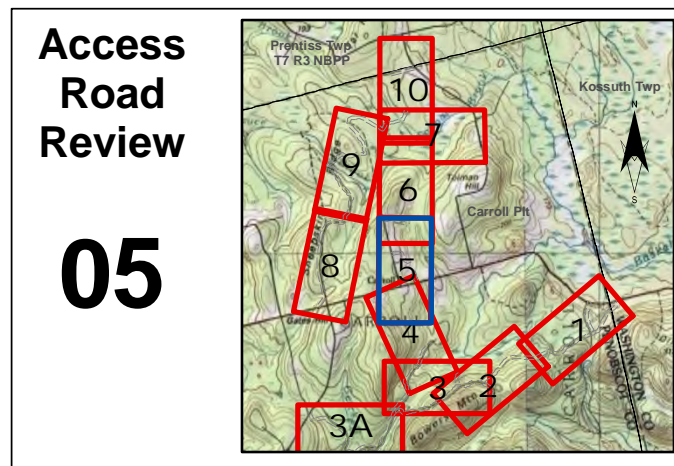
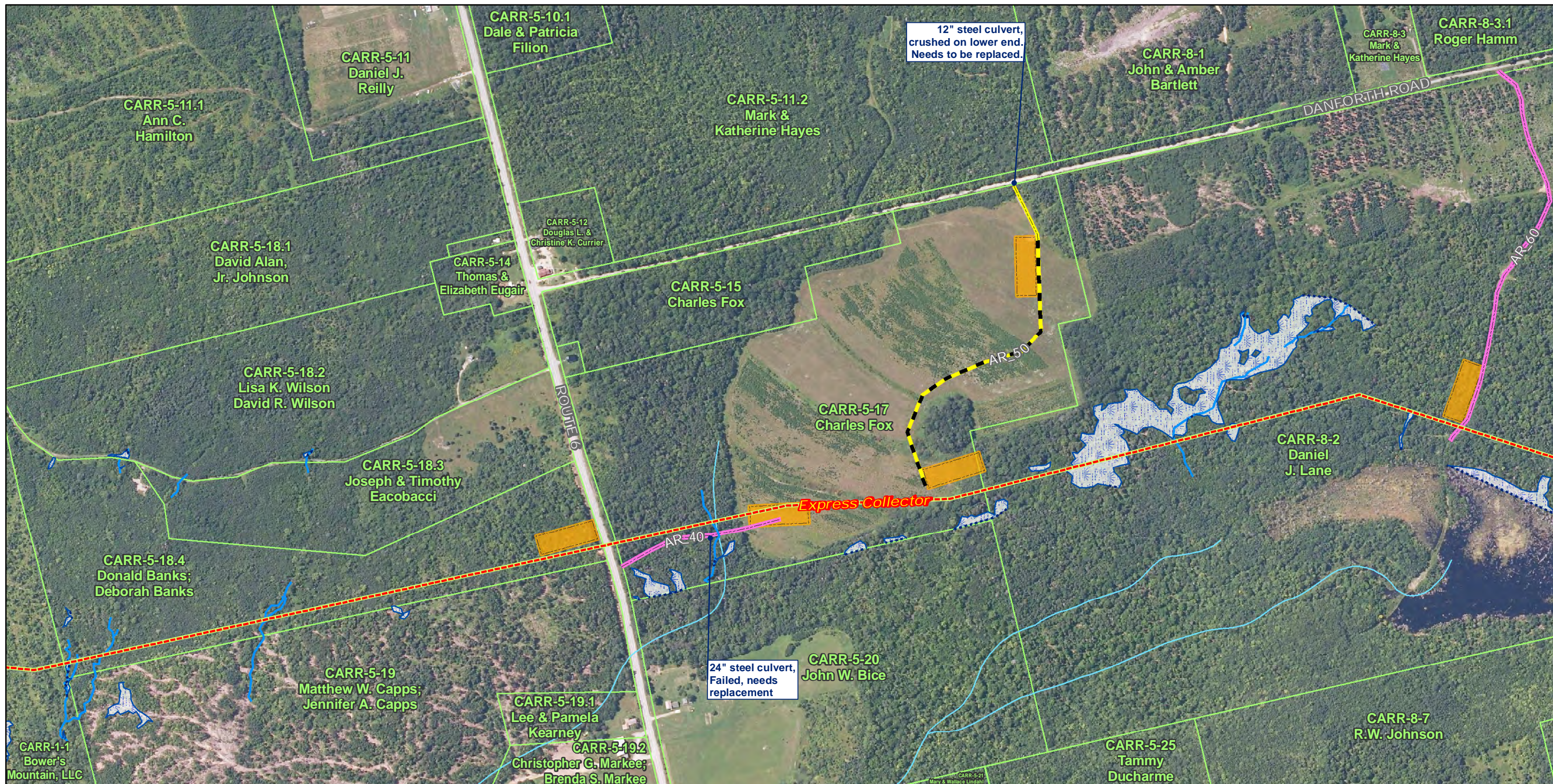
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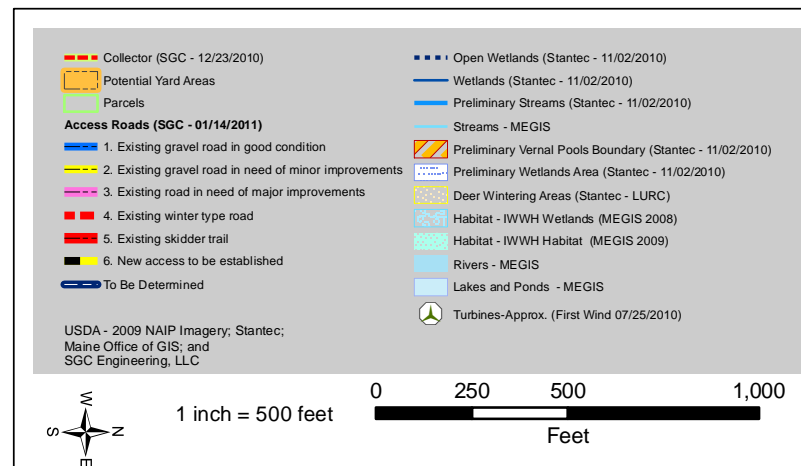
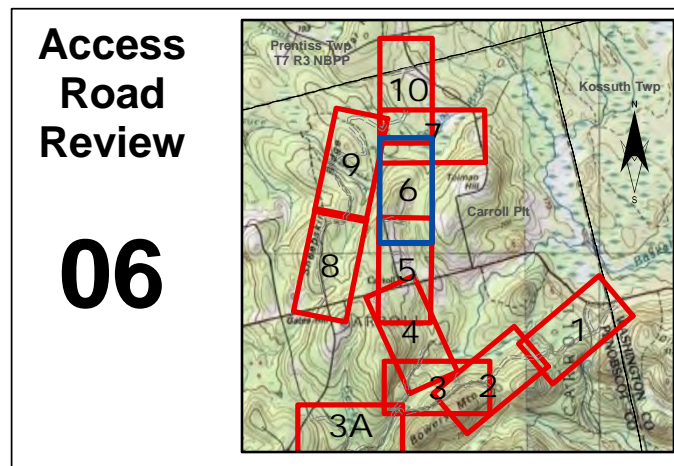
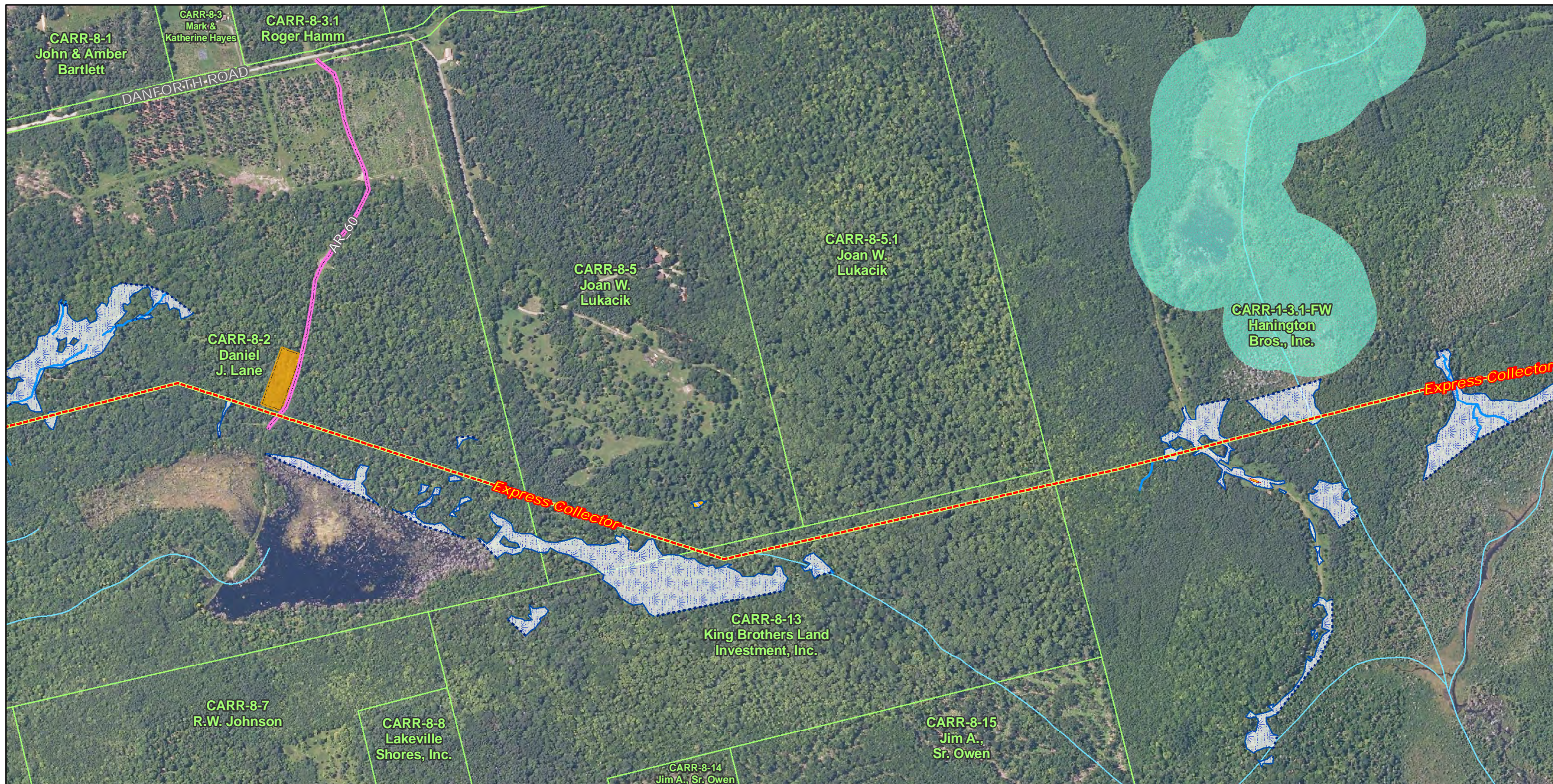
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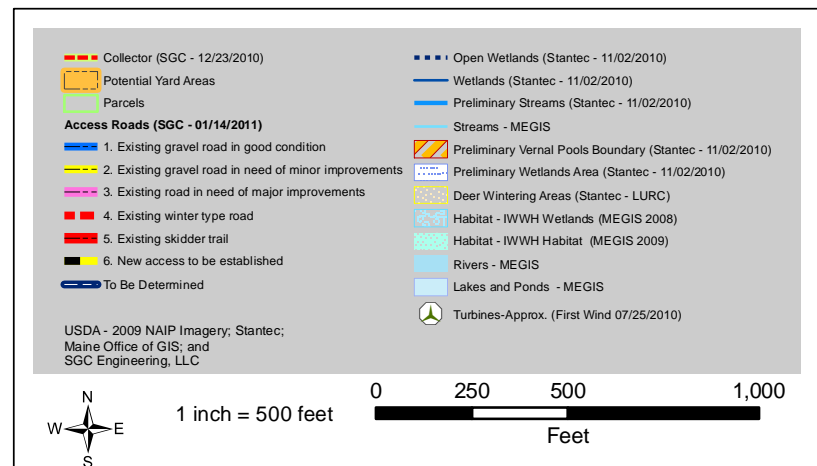
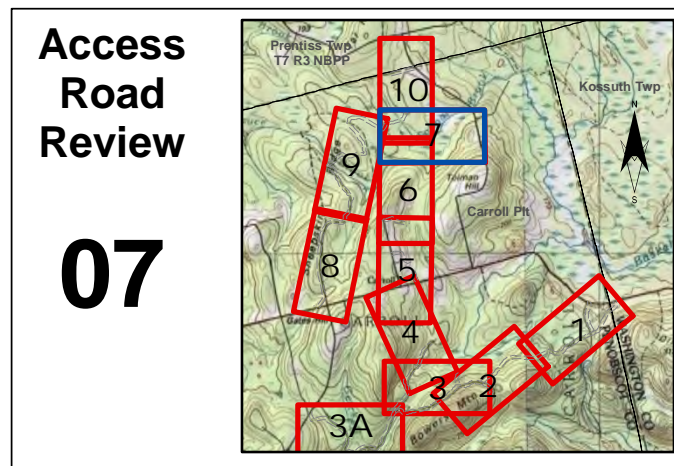
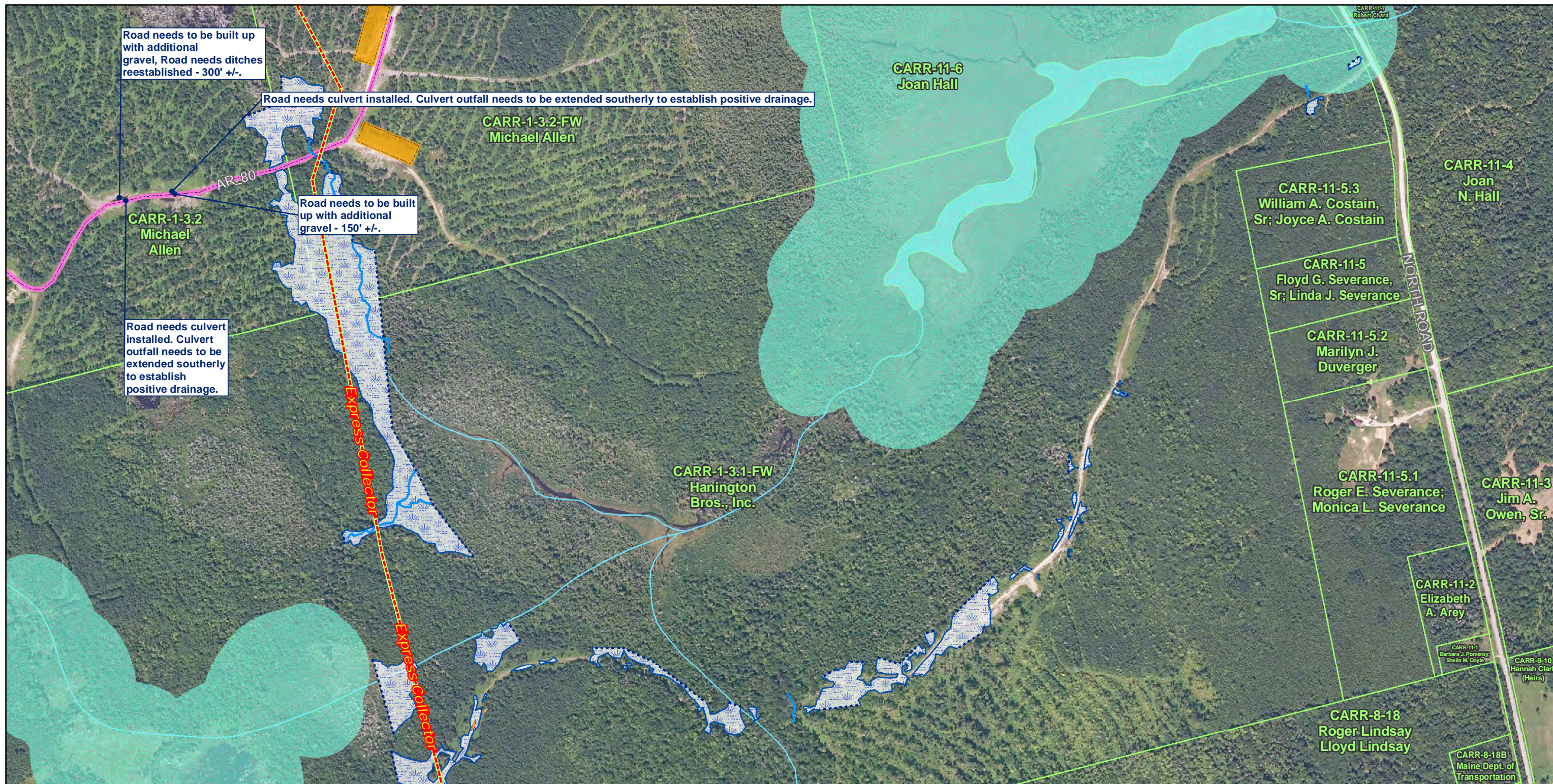
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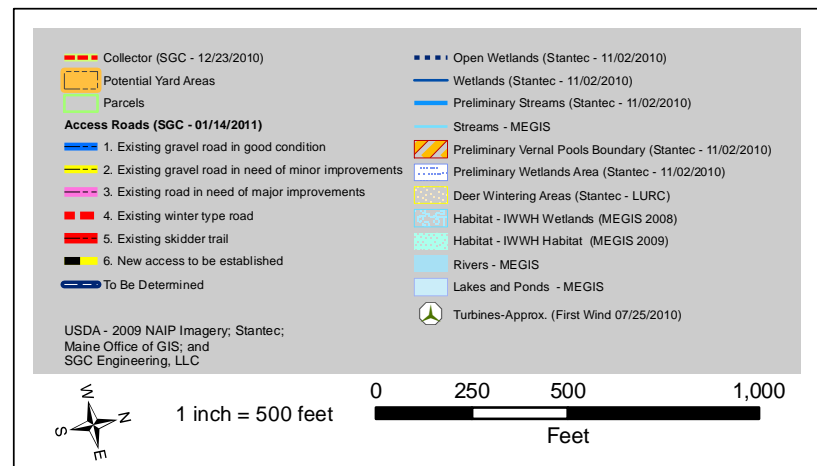
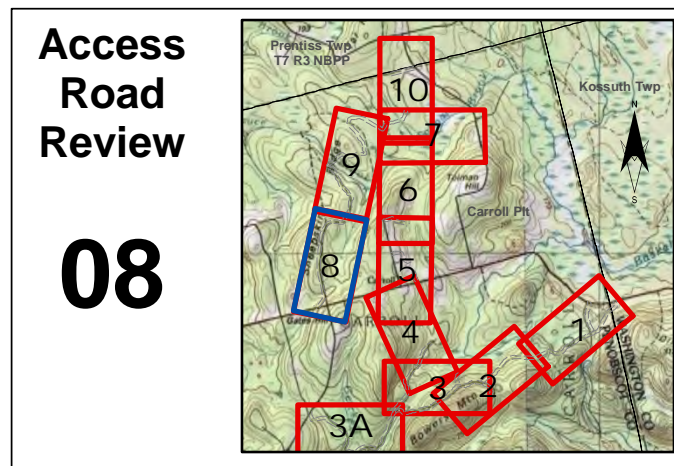
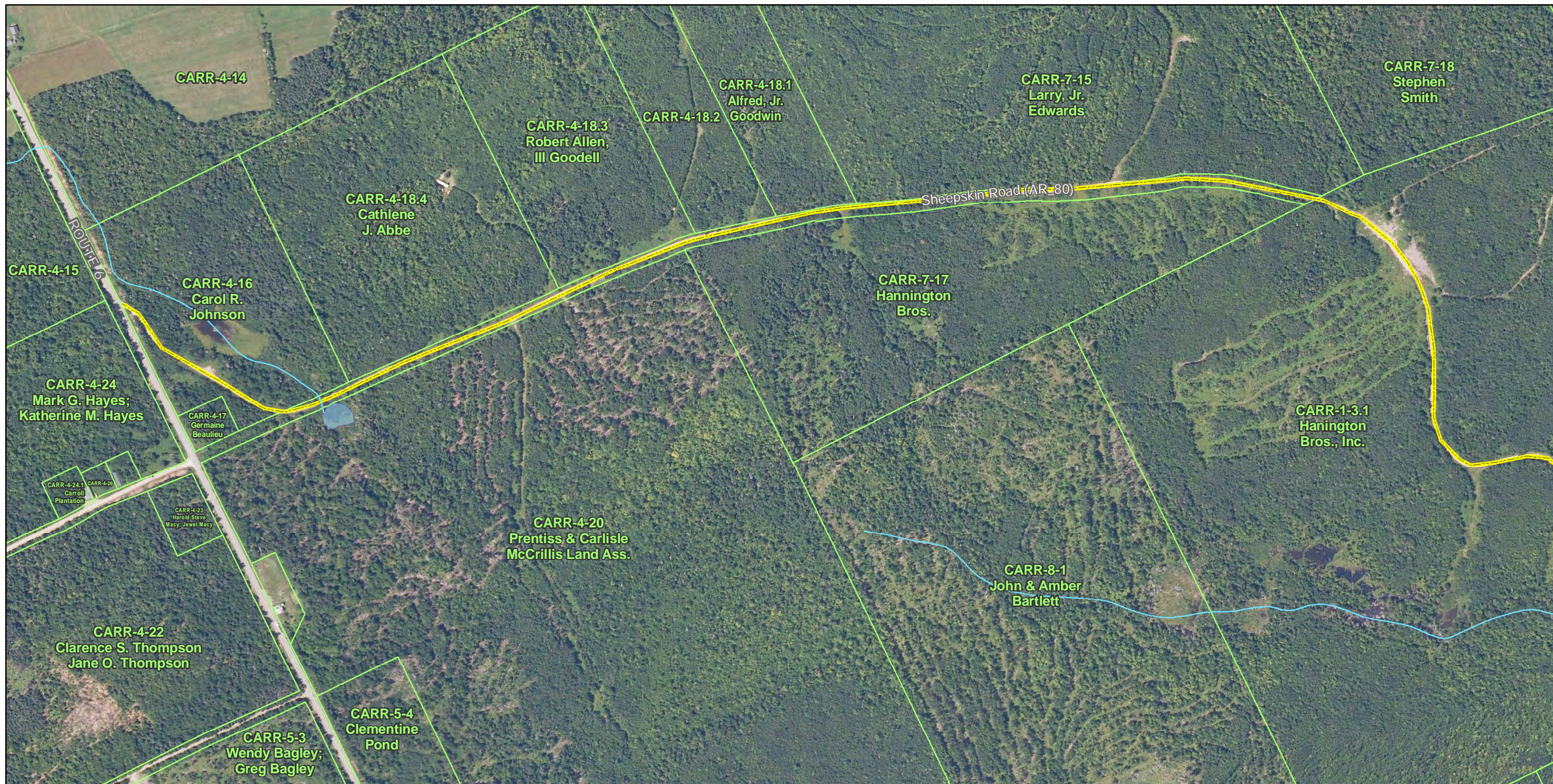
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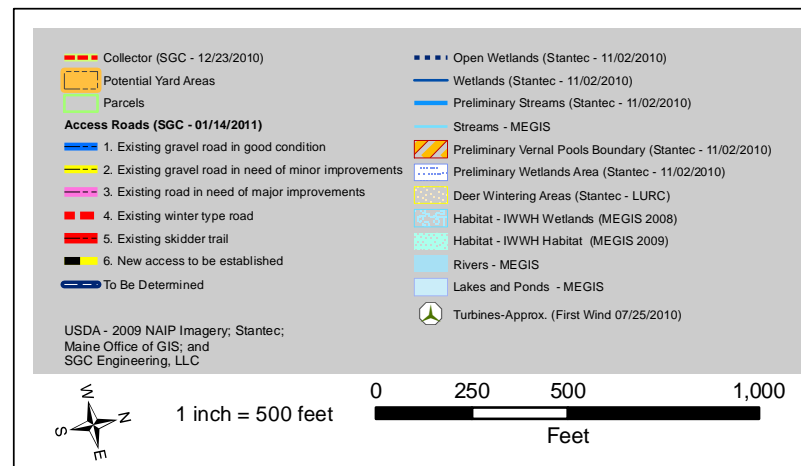
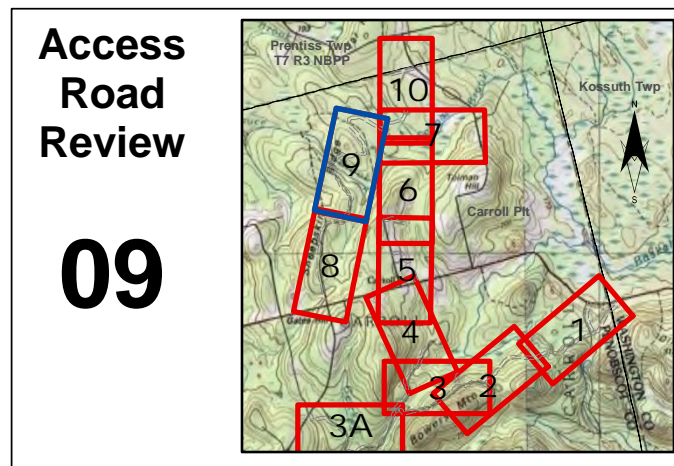
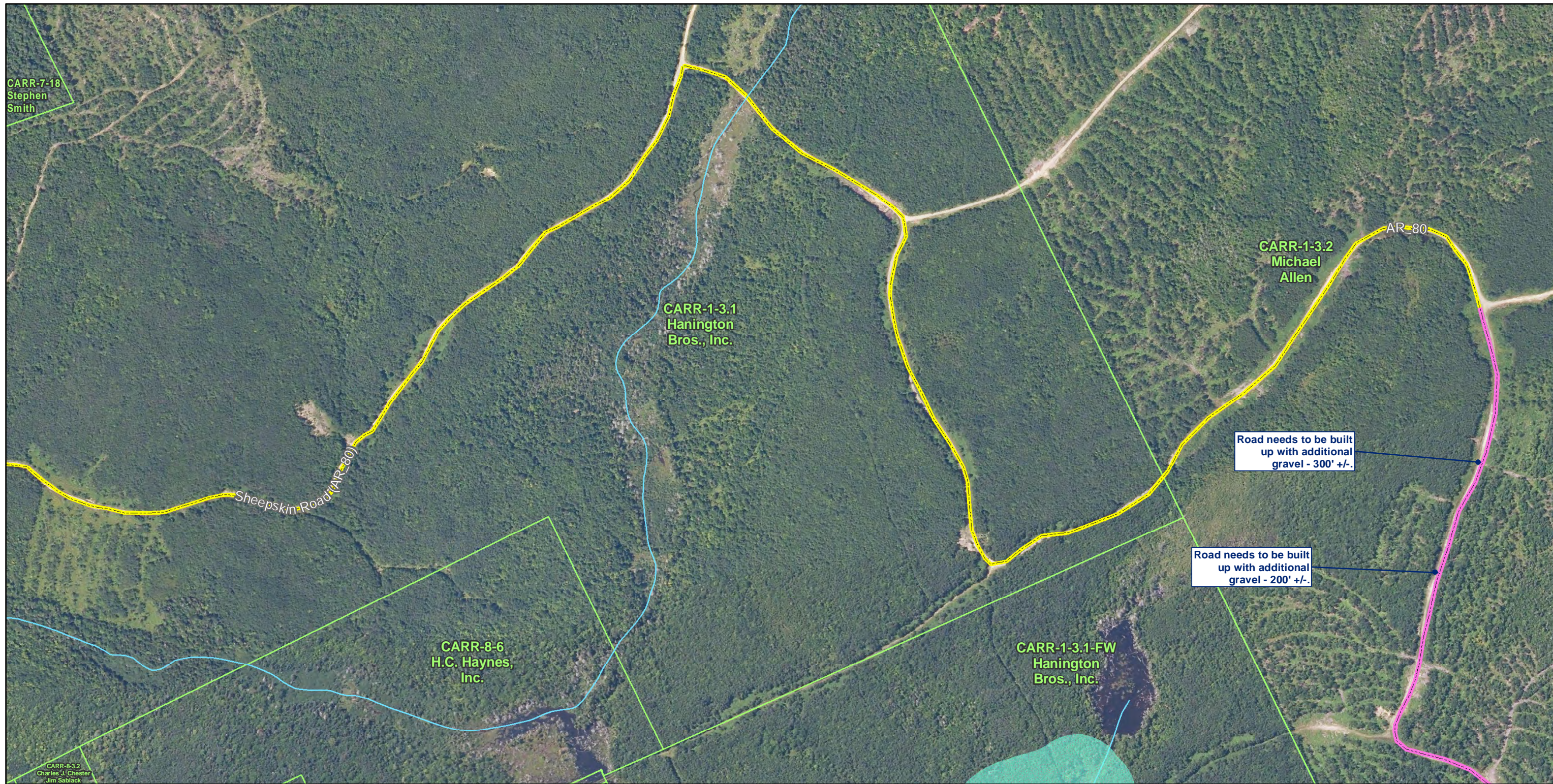
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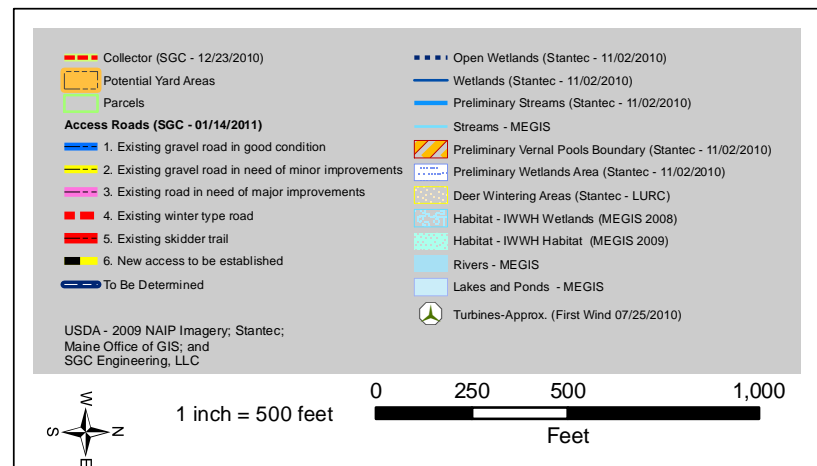
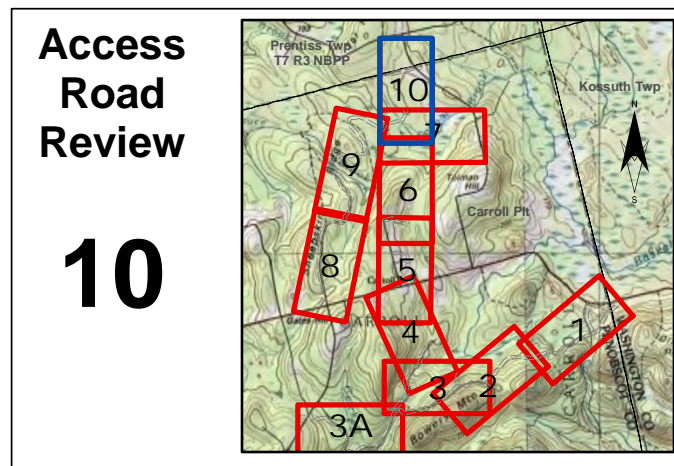
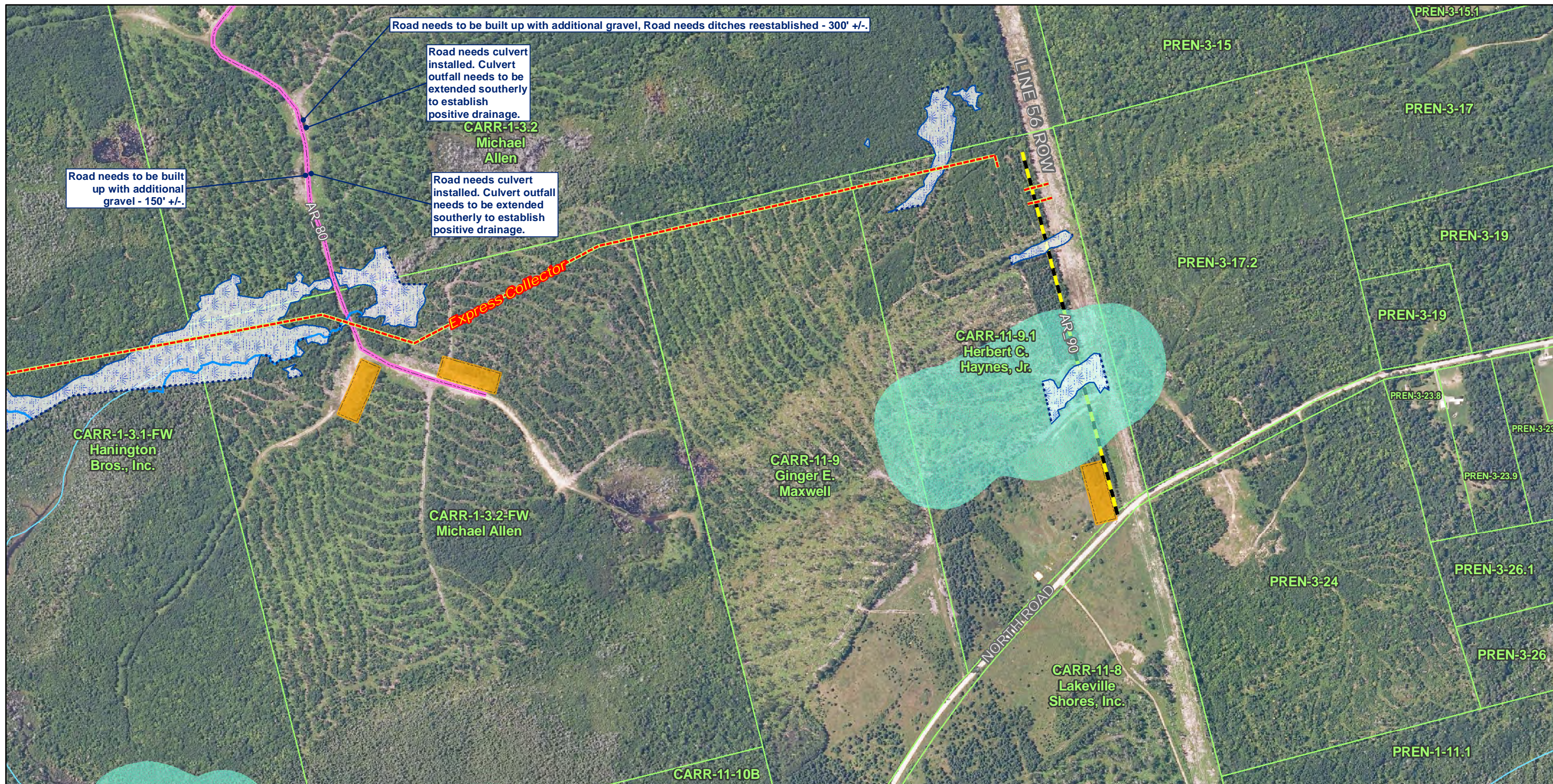
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