



Northeast Cultural Resources
71 Oak Street
Ellsworth, Maine 04606
Phone: 207-667-4055 • Fax: 207-667-0485

August 30, 2013

Dr. Arthur Spiess, Ph.D.
Maine Historic Preservation Commission
55 Capitol Street
65 State House Station
Augusta, Maine 04333-0065

Dear Art,

Please accept this follow-up review of the Bingham Wind Farm Phase 0 report in which I recommended additional consideration where the proposed electrical generator lead corridor crosses three brooks and two streams. Specifically, I recommended review of the corridor crossings at Bottle Brook, Bear Brook, Kingsbury Stream, Carlton Stream, and Gales Brook. I undertook recent analyses of these locations using aerial mapping data provide to me by Stantec and use of Google Earth. Figures 20, 21, and 28 show the locations of Bottle Brook, Bear Brook, and Gales Brook in relation to the corridor (Attachment 2). The brooks are traced with blue lines that are wider than the brooks themselves. These brooks are intermittent with no discernible breaks in slope and are not navigable with watercraft. Even though water is present, it is the only variable associated with these crossings. They are not sensitive for Precontact period resources and no further archaeological evaluations of them are recommended.

Kingsbury Stream (see Attachment 1) and Carlton Stream are larger waterways than the three brooks crossed by the corridor (Figures 23 and 26, respectively). Carlton Stream is a tributary to Kingsbury Stream. They both contain water year round and are partially navigable by canoe. Kingsbury Stream originates at the spillway on the western end of Kingsbury Pond and flows easterly to the Piscataquis River in Abbot. The area immediately adjacent to the stream is second growth, upland mixed forest dominated by yellow birch (*Betula alleghaniensis*), sugar maple (*Acer saccharum*), and red spruce (*Picea rubens*). Beyond this small forested buffer, the surrounding area has recently undergone timber harvesting.

No poles will be located within 100 feet of Kingsbury Stream, because it has the potential to contain northern spring salamanders (*Gyrinophilus porphyriticus*), and a 250-foot buffer will be maintained on each side of the stream. During construction and maintenance, capable trees (i.e., those that could grow to within 15 feet of a conductor within 3 to 4 years) will be topped, but no other vegetation will be cut and the ground will not be disturbed. If topping individual trees will not leave sufficient foliage to sustain the tree, the tree will be cut at ground level. Herbicide use will not be allowed within this buffer.

One pole (no. 103) is proposed for location within 75 feet of Carlton Stream (west side), while the pole on the opposite side is more than 100 feet away from the stream. Similar construction and maintenance methods will be used around this stream as proposed for Kingsbury Stream.

Since construction methods and maintenance practices will be employed at each stream crossing of the proposed electric generator lead corridor and will not impact within at least 75 feet of the small stream crossings, given this no further archaeological investigator is recommended.

Please do not hesitate to contact me with any questions regarding this information.

Regards,

A handwritten signature in black ink, appearing to read "Richard Will", is written over a horizontal line.

Dr. Richard Will

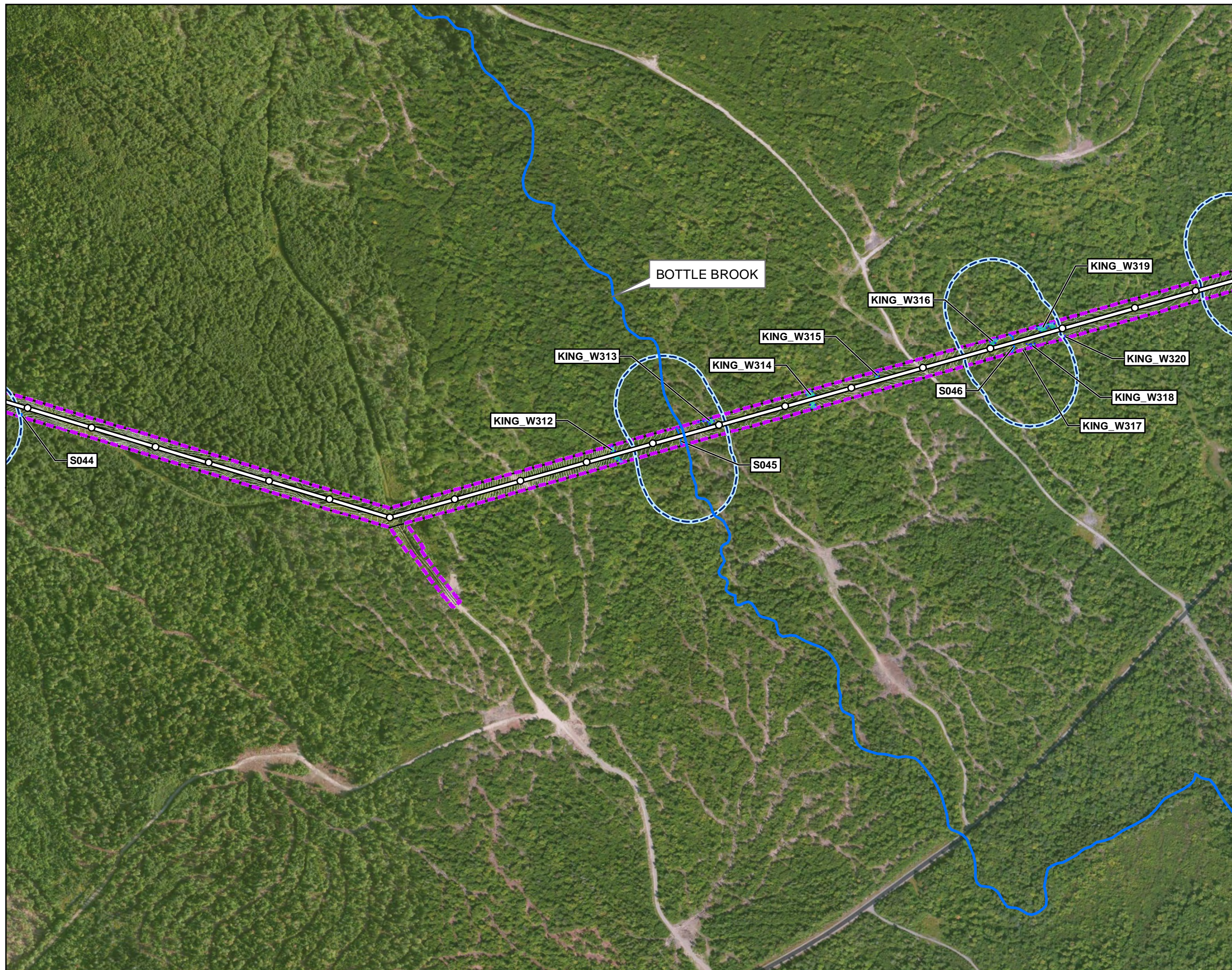
CC: Daniel Courtemanch, Maine Department of Environmental Protection
Peter Tischbein, US Environmental Protection Agency

Attachment 1



Perennial stream S052, Kingsbury Stream.
Stantec Consulting, May 19, 2010.

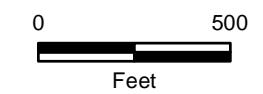
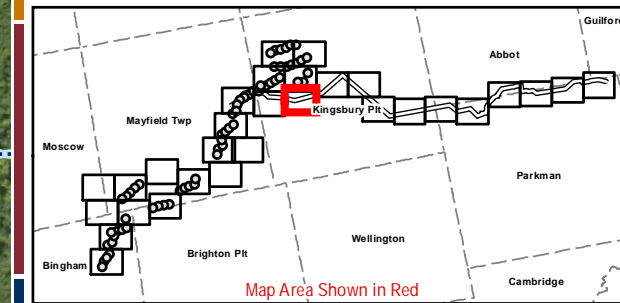
Attachment 2
Delineated Natural Resource Maps



Title
Delineated Natural Resource Map

Figure No.
20

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Bingham Wind Project



Legend

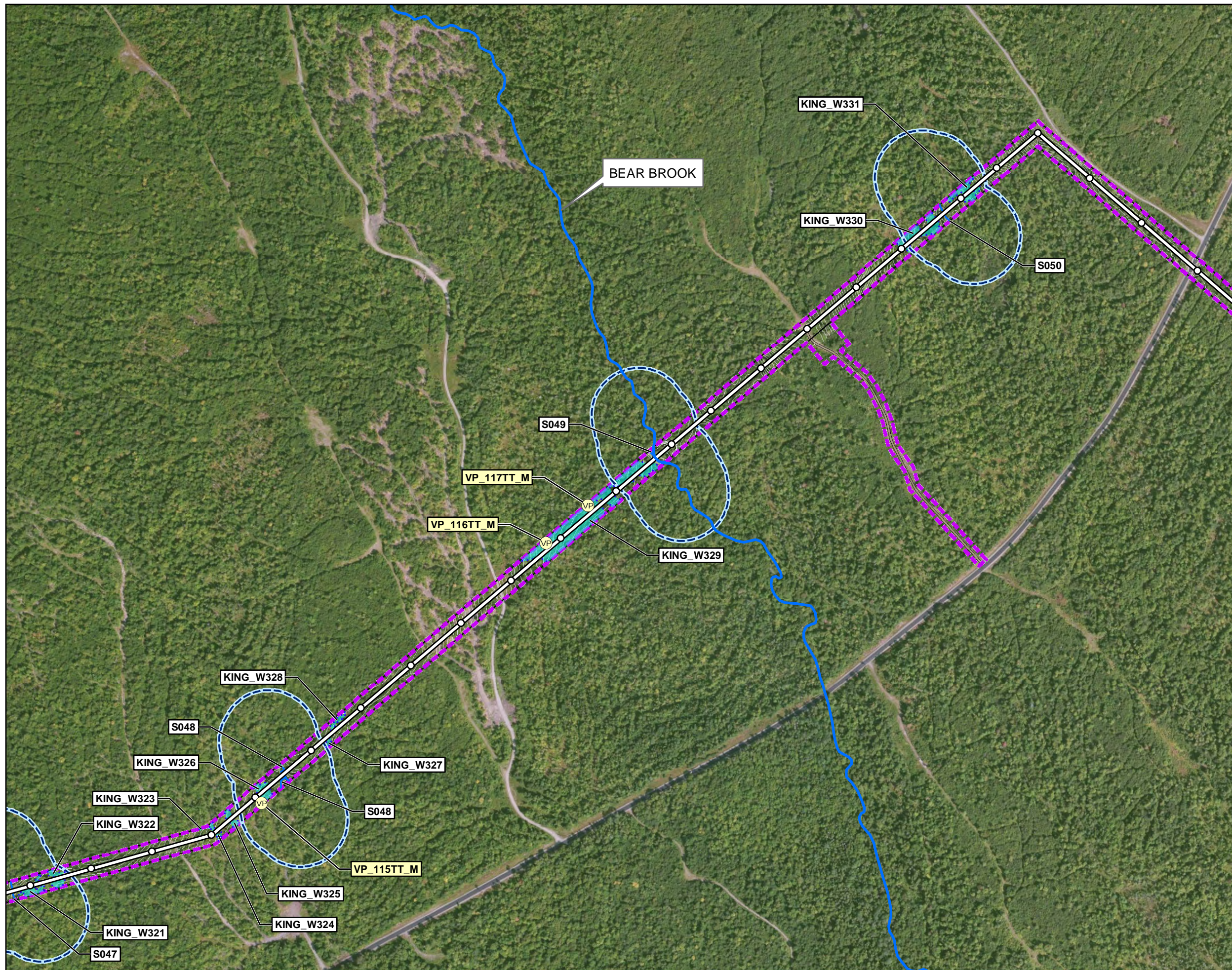
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- Site Plan
- Clearing Limits
- Electrical Generator Lead
- Plisga & Day Surveyed Township Boundary
- USGS Township Boundary
- 2' Contours

Notes

1. Not all items appear in all maps.
2. Wetland boundaries delineated in accordance with USACE 1987 Wetland Delineation Manual or subsequent versions. Vernal pools surveyed in accordance with Maine Association of Wetland Scientists 2010 Interim Vernal Pool Survey Protocol, April 2010.
3. Wetland and vernal pool boundaries were located utilizing a Trimble PRO Series Receiver. Expected accuracy of GPS data is within 1 to 2 meters of actual position.
4. Basemap features comprised of photogrammetry provided by Aerial Survey and Photo.
5. Civil Design dated 3/6/13 provided by Deluca Hoffman.
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7. Inland Waterfowl and Wading Bird Habitat and Deer Wintering Areas provided by the Maine Department of Inland Fisheries and Wildlife.



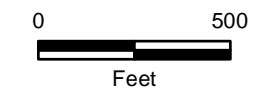
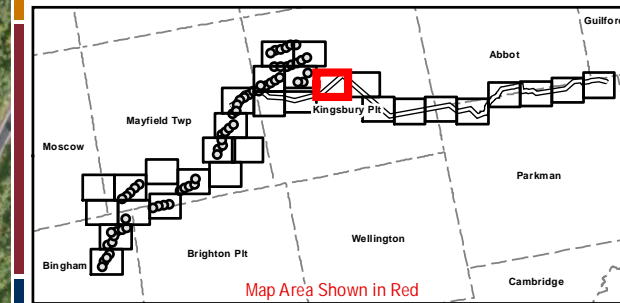
Stantec Consulting Services Inc.
30 Park Drive
Topsham, ME 04086
Phone (207) 729-1199
www.stantec.com



Title
Delineated Natural Resource Map

Figure No.
21

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Bingham Wind Project



Legend

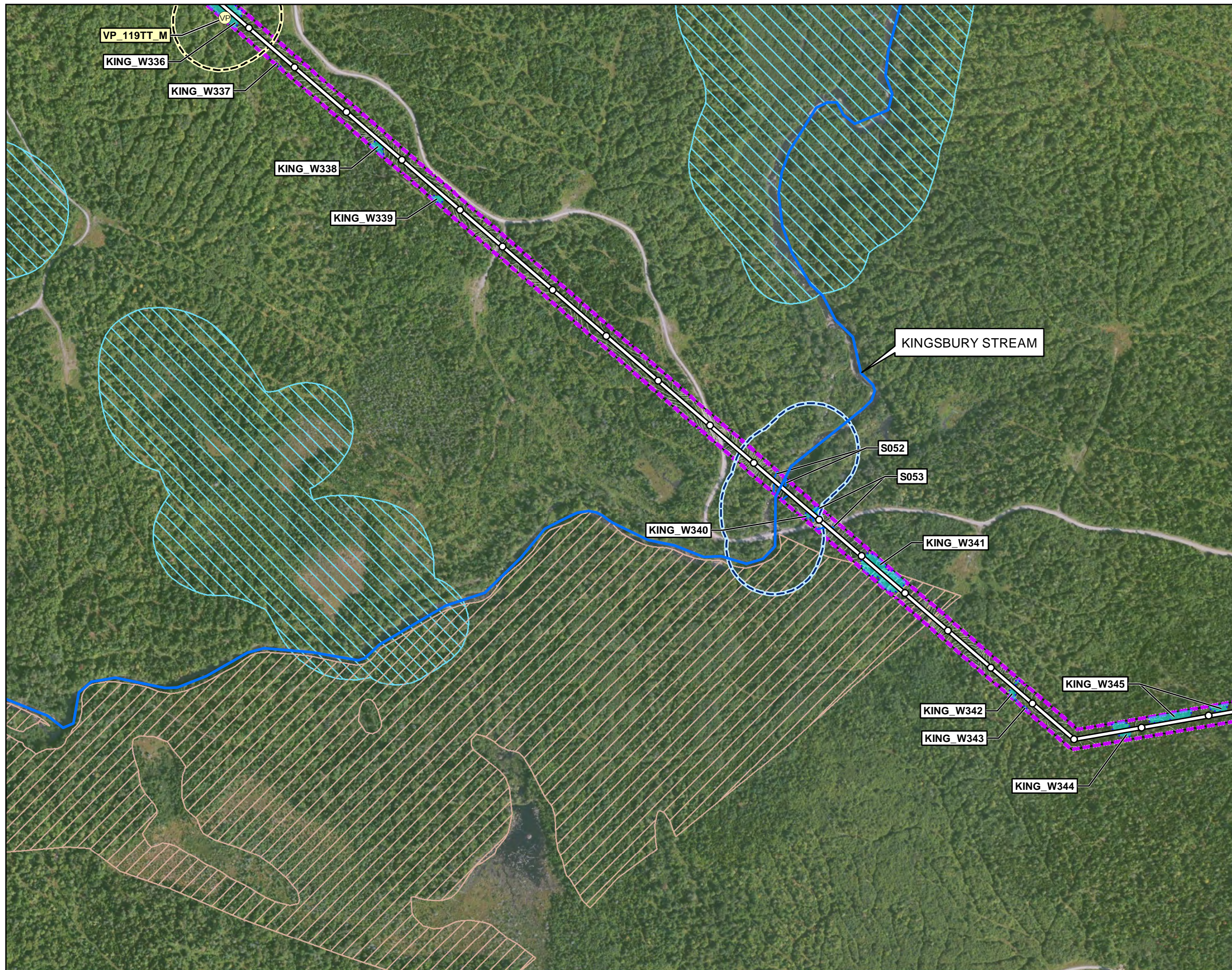
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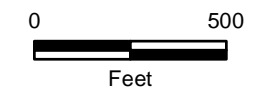
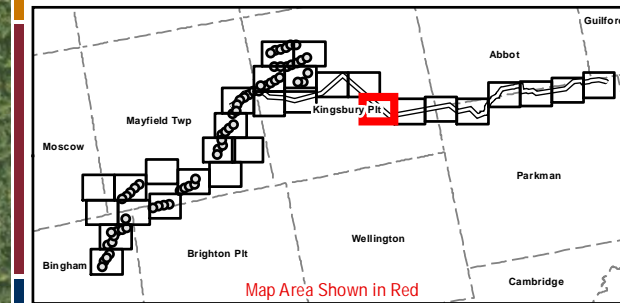
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23

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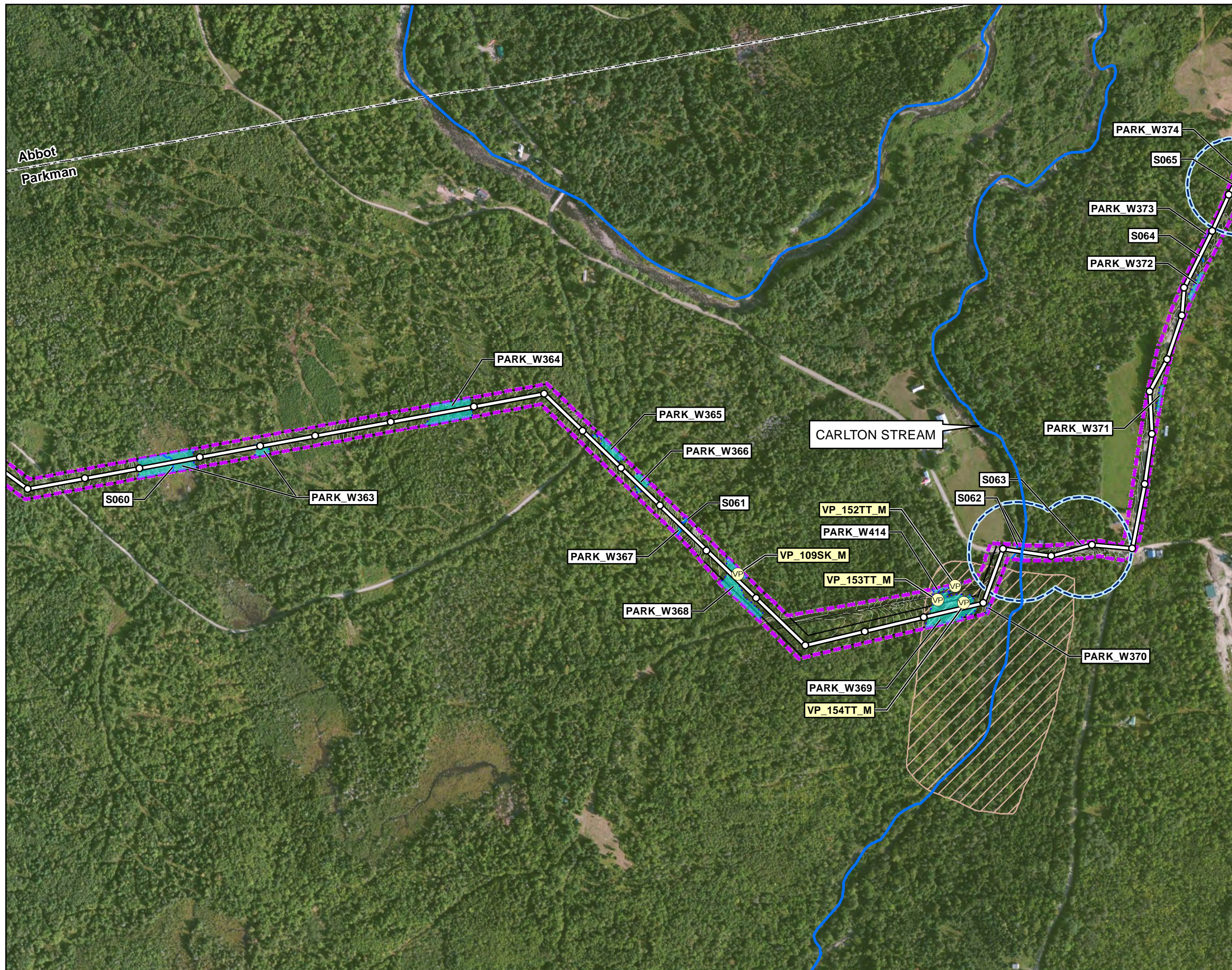
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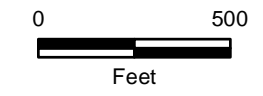
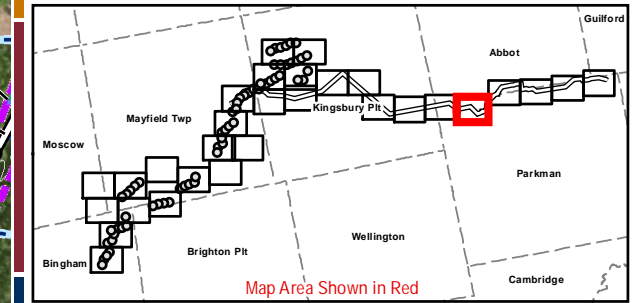
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26

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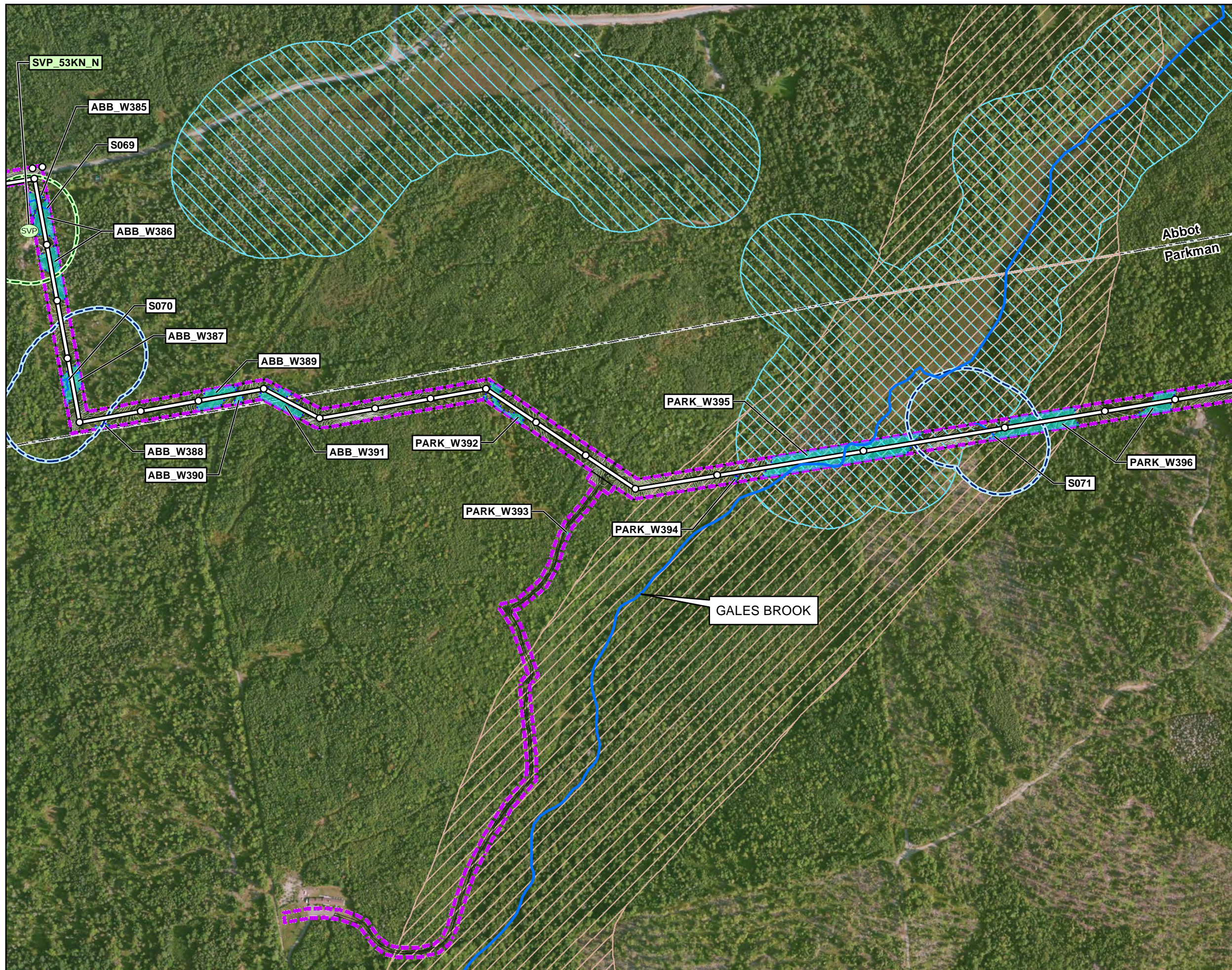
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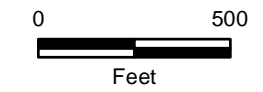
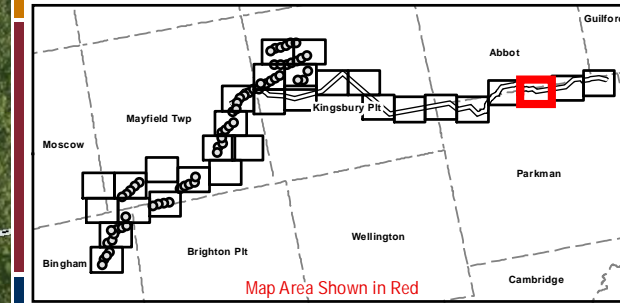
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