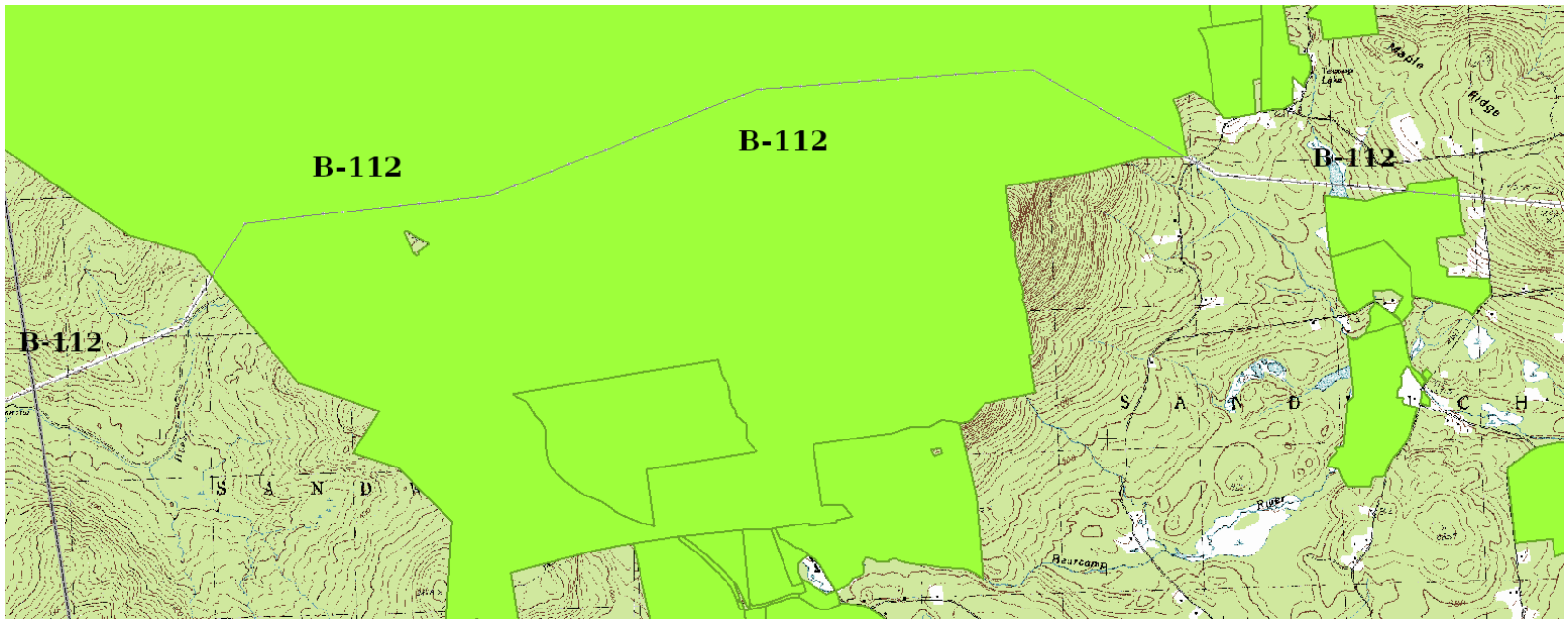
B-112: 115kV standard “Asset Condition” complete rebuild as planned for the X-178.

The Eversource B-112 is sited in Campton, Sandwich and Tamworth. White Mountain National Forest is encumbered by the B-112 as shown below, where the line/easement crosses Sandwich Notch Road (obscured by the green legend) south of the Sandwich Range Wilderness.




Photograph No. 2: View of ongoing construction of an access road to Structure [redacted] where the smooth green snake was sighted.

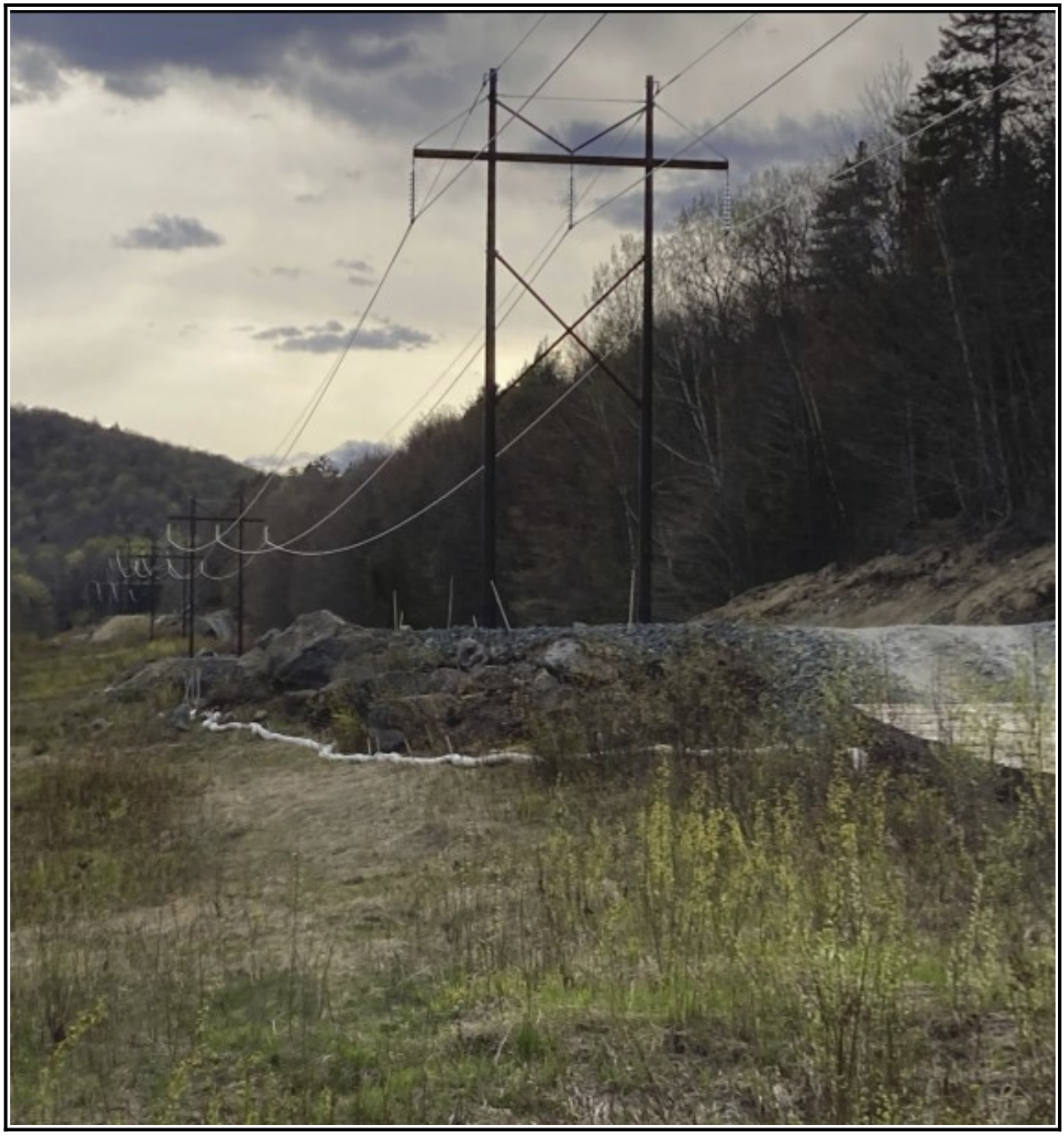
Photograph No. 3: View of the upland shrub land alongside the unfinished access road east of the smooth green snake sighting.

Photograph No. 2: View of upland access adjacent to the smooth green snake observation looking towards Structure [redacted].

O-154 line, Coos Loop, “Asset Condition” complete rebuild. Is the structure height measured from the construction/crane pad, the former terrain or the existing terrain next to the crane pad? Can a meaningful comparison of existing and proposed structure heights be made for the X-178?

O-154: After “restoration”; note OPGW splice boxes and removal of safety barrier:

O-154: Permanent bermed construction/crane pad and road. Allowance for road construction is not in the easements for these lines, nor is there wording permitting “anything PSNH or its successors may find is desirable for line construction and maintenance.”



O-154: Permanent roads and construction/crane pads. These destroy current and future use of the easement for farming/pasture, except where Eversource has anticipated this objection and used matting.


Below: So-called “like for like” steel replacement structure with easily accessible splice box for OPGW (Optical Ground Wire) which Eversource claims provides:

“Critical Infrastructure Protection: Fiber provides the necessary bandwidth for physical security monitoring and triaging of alarms for BES Cyber Systems at medium and low impact substations

The DOE and EPRI recommend fiber as a means to strengthen the security and resilience of critical communication infrastructure to protect against the consequences of electromagnetic pulse attacks.”

Fiber, aka “intelligence” is not permitted in the terms of the O-154, B-112 or X-178 easements.

O-154 construction/crane pads and road with glacial erratics shoved down slope:

O-154 public structure heights increased by up to 50% (new structure #79: 40’ to 65’ approx.)

**O154 115kV LINE STATE LAND AND PUBLIC WATERBODY CROSSING STRUCTURE TABLE**

**EXHIBIT 7**

| Eversource O154 Line Rebuild - DOE State Land and Waterbody Crossing Details | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Existing Structure # | New Structure # | Structure Type | Height Change (feet) | Span (Pole to Pole) | Span Distance (feet) | Minimum NESC Table 232-1 Clearance (ft.) | ES Vertical Design Clearance (ft.) | Complies with NESC Table 232-1 (Y/N) |
| 268 | 37 | 56.5' steel 2 pole, T, CLH1 | 15 | 37-38 | 642.6 | 18.6 | 28.8 | Y |
| 267 | 38 | 65.5' steel 2 pole, T, CLH1 | 10 | | | | | |
| 250 | 55 | 56.7' steel 2 pole, T, CLH1 | 15 | 55-56 | 460.7 | 20.1 | 28 | Y |
| 249 | 56 | 61.0' steel 2 pole, TG, CLH1 | 20 | | | | | |
| 248 | 57 | 61.0' steel 2 pole, T, CLH1 | 20 | 56-57 | 498 | 20.1 | 29.4 | Y |
| 247 | 58 | 65.5' steel 3 pole, P, CLH1 | 20 | 57-58 | 433.1 | 20.1 | 32.0 | Y |
| 246 | 59 | 61.0' steel 2 pole, T, CLH1 | 10 | 58-59 | 767 | 20.1 | 32.1 | Y |
| 232 | 73 | 52.0' steel 3 pole, ADS, CLH3 | 5 | 73-74 | 429.8 | 20.1 | 27.4 | Y |
| 231 | 74 | 52.0' steel 2 pole, T, CLH1 | 10 | | | | | |
| 230 | 75 | 61.0 steel 2 pole, T, CLH1 | 15 | 74-75 | 445.5 | 20.1 | 28.0 | Y |
| 229 | 76 | 70.0' steel 2 pole, T, CLH1 | 20 | 75-76 | 507.5 | 20.1 | 33.8 | Y |
| 228 | 77 | 61.0' steel 2 pole, T, CLH1 | 20 | 76-77 | 635.8 | 20.1 | 30.1 | Y |
| 227 | 78 | 61.0' steel 2 pole, T, CLH1 | 20 | 77-78 | 488.4 | 20.1 | 29.4 | Y |
| 226 | 79 | 64.8' steel 3 pole, BP, CLH1 | 25 | 78-79 | 455.6 | 20.1 | 26.8 | Y |
| 225 | 80 | 56.5' steel 2 pole, T, CLH1 | 15 | 79-80 | 294.4 | 20.1 | 38.2 | Y |
| 224 | 81 | 52.0' steel 2 pole, T, CLH1 | 10 | 80-81 | 465.7 | 20.1 | 32.2 | Y |
| 223 | 82 | 52.0' steel 2 pole, T, CLH1 | 10 | 81-82 | 363.4 | 20.1 | 26.5 | Y |
| 222 | 83 | 52.0' steel 2 pole, T, CLH1 | 10 | 82-83 | 423.1 | 20.1 | 29.6 | Y |

O-154 before Eversource's complete rebuild and permanent road construction:

**Photo 14:** View northeast of the ROW in Stark west of Christine Lake Road.

**Photo 15:** View southwest of the ROW in Stark north of Percy Road.

X-178: Easton, looking north, Cole Hill on left.

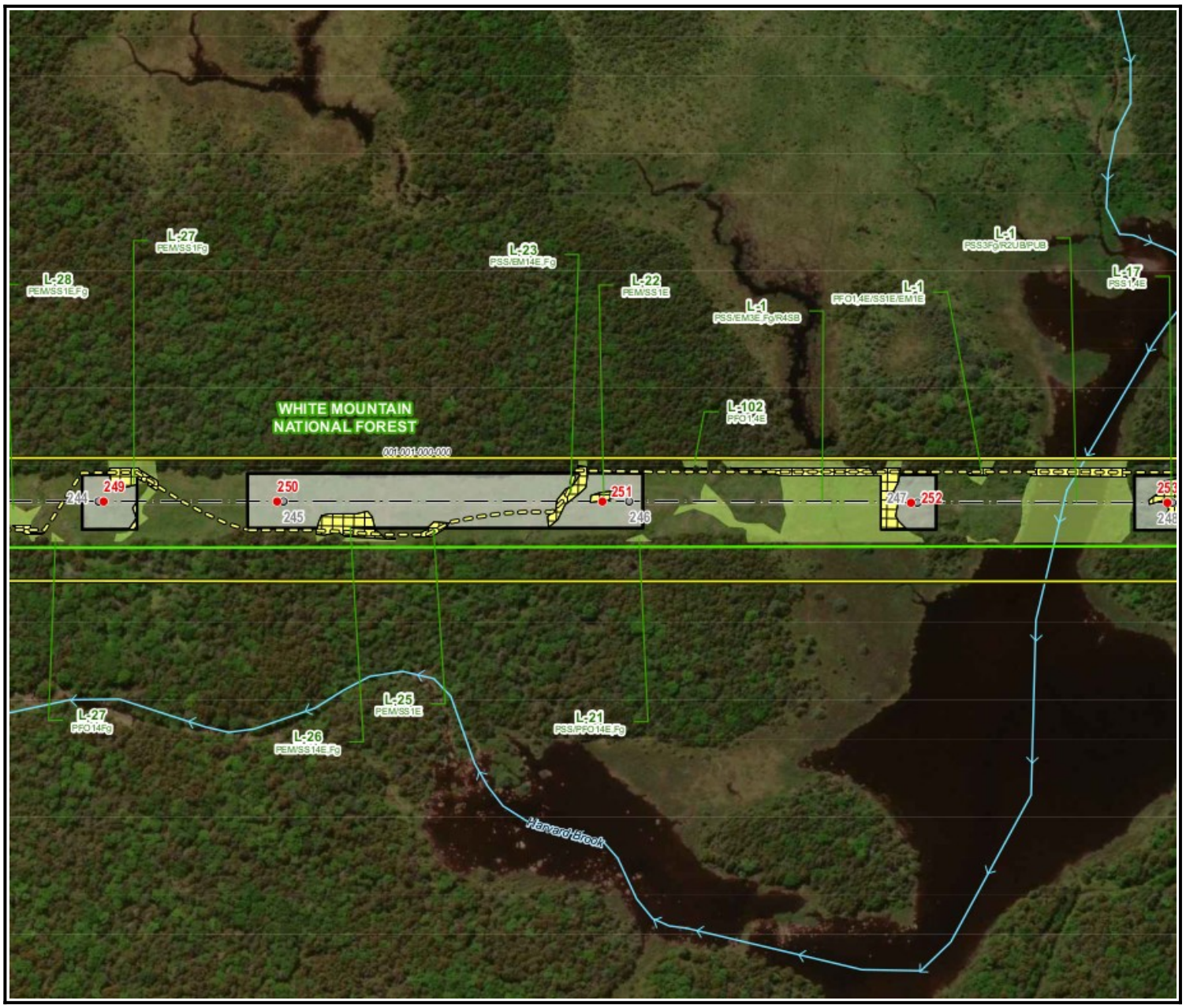
X-178: Easton, looking south, Moosilauke and Mt. Blue obscured by clouds.

X-178: Structure 252 (new #), Bog Pond area, 2023, ridge of South Kinsman in background. The line runs over the cliff section at the left, where it crosses the Appalachian Trail which has, at this open area, a view of a mile and a half of powerline and easement running across the unique, high-altitude Bog Pond Area.

Eversource plans to bulldoze a level, 12-20’ wide permanent heavy equipment road along the left side of this area:

Above: View from AT https://1happyhiker.blogspot.com/2015/09/accessing-bog-pond-from-kinsman-ridge.html

Eversource construction plans for the area shown above. Grey areas to be permanently graded, bermed and surfaced with rip-rap and gravel. The 100’ x 800’ grey area appears to be a construction lay-down area for materials and heavy equipment storage.




kris pastoriza November 18, 2024 Information submitted to NH SEC docket 2024-02

Project Name: X178-1 ELECTRIC TRANSMISSION LINE REBUILD PROJECT

Owner: PSNH D/B/A EVERSOURCE ENERGY

Agent: VHB

Area Disturbed: 3,372,823

77 acres construction

Project Name: X178-2 TRANSMISSION LINE REBUILD AND OPGW PROJECT PHASE 1

Owner: EVERSOURCE ENERGY

Agent: GZA GEOENVIRONMENTAL INC

Area Disturbed: 1,434,210

33 acres construction
{Note: Eversource has not yet released its X-178 (2) Phase 2 AoT application)

13.6 acres of access roads +
19 acres of crane pads

Project Name: X178-3 TRANSMISSION LINE REBUILD PROJECT

Owner: PUBLIC SERVICE COMPANY OF NH D/B/A EVERSOURCE ENERGY

Agent: STANTEC CONSULTING SERVICES INC

Area Disturbed: 2,403,600

55 acres construction

18 acres of access roads +
37 acres of crane pads

= 165 acres roads and crane pads

49 miles x 100’ wide (as now cleared) easement = 594 acres. Excluding the X-178 (2) Phase 2 Eversource plans to “disturb” more than 30% of the cleared X-178 easement.

“The power line severely mars the vista that includes Bog Pond in the foreground with the Osceolas; Scar Ridge; Loon; Tecumseh; Sandwich Mtn on the horizon.”

Above: “...photo-editing software was used to remove the power lines and the ski runs on Loon Mountain.”

https://1happyhiker.blogspot.com/2015/01/reflections-about-trek-to-old-kinsman.html