

Sebago Lake Mappers Notes.

1. Map Production History.

Original base map: Bendt Stark, 1984

Original field work: David Linthicum, Dagrann Urseth, Patrick Dunlavey, 1984

Original cartography: Patrick Dunlavey.

North Eastern part of this map was used for WOC 93 Long, with fieldwork done by Steve Key, Krum Sergiev and cartography by Pat Dunlavey.

From 2001 to 2003 large portion of Lake Sebago map was updated with field checking by Krum Sergiev, Plamen Hediakov, and Zoran Krivokapich and OCAD drafting was done by J-J Cote.

Last update:

LIDAR, aerial photography processing and drafting: Greg Balter (2018-2021)

Field work: Greg Balter (2019-2021), with assistance from Stephan Slutsky.

Most of information for the latest update, like cliffs, rocks and, vegetation classification came from visually analyzing LIDAR data, aerial photography and corresponding information from the old map. Limited field checking was done during training exercises in 2019-2021 and vetting process for this event.

Control locations were thoroughly vetted for accuracy.

1. Symbol use and general mapping considerations.

Second (intermediate) green in 95% of cases is used to depict mountain laurel. While in some parts of North Eastern US mountain laurel is getting thinner or disappearing, in Harriman State Park and on this map in particular it is quite healthy and present significant challenge to cross, especially when encountered as large areas.

Vertical green symbol is used for significant fields of blueberry: if it is mapped, it ranges from knee to waist high, fairly thick, and it can be traversed by jumping high or walking. Blueberry fields are thicker and higher, and more difficult to traverse in open and semi-open areas.

Vertical green symbol, tight formation, represents mostly thorny vegetation, crossing it in orienteering cloth will cause some insignificant blood loss, and it is super slow to cross.

Trails and roads are mostly up to date. Some very old mining roads could be noticed in the terrain when you follow them, and sometimes are mapped as indistinct trails at mappers discretion.

Contours and cliffs are extremely accurate and can be used for navigation when something else fails.

Dot knolls symbols are used in two scenarios: one is a classical situation when it is very distinct at least from 270 degrees of observation and has a height at least 1 meter; second scenario is depicting a spot height or elongated spur, that did not make closest contour line or form line.

Rough open areas with scattered trees: this symbol can be mostly encountered on flattish hill tops and depiction of it was based on vegetation state in 2016. By recommendation from Stefan Slutsky it was mostly re-mapped as open forest, yet some areas still remain on the map, keep an open mind about it.

Highlander 2021 Course Setters Notes.

As usual the course consists of 4 parts: 4 orienteering loops, where loop 2 is a trail run.

We will start a walk to the start of Highlander at 9 AM sharp. Start is located ~1000 meters from Kanawaukee Parking Lot. After maps distribution, we will have brief introduction to the race course for those who did not read course setters notes. We will start Highlander participants at 9:15.

In case of inclement weather, we will collect extra clothes you bring to the start and carry it back to the finish area at Kanawaukee parking lot.

Loop 1 and loop 2 (trail run) are printed on 12"x18" waterproof paper on both sides. At the end of loop 1 at Sebago Beach area you will enter aid station area #1/3, where you can find your food and drinks, you brought to the race. We will provide additional water at this aid station. Since we will award the fastest trail run, we recommend to punch control 5, after you re-supplied yourself.

Trail run is not streamered, follow the trail on the map. Getting lost on a trail run is a long-standing Highlander tradition, I hope following your progress on the map will help you to avoid it. The end of the trail run is control #6, where you will encounter aid station #2, please punch control #6 before drinking or resupplying yourself. Follow your trail run map to control #7, where you deposit your first map into a collection box and pick up your loops 3 and 4 map hanging on a cloth line. This control may not be manned.

Loops 3 and 4 are printed same way as loops 1 and 2 – 2 sided on 12"x18" water and rip proof paper.

At the end of loop 3 you will arrive at familiar aid station #1/3. Please do not forget to punch a control there before leaving this station. There is no problem punching it twice.

There will be additional water on the course at control #12 (loop 3) and on your way to control #22 shortly after #21 (loop 4).

Water on the course will be in 8 oz. bottles and garbage bags will be provided nearby to deposit empty bottles. Please do not dispose empty bottles in the woods.

If you need additional water to cover the course, beyond 3 aid stations and 2 water stops, we strongly suggest carrying your own water, especially if the daytime temps will reach above 75 degrees F.

Food and Drinks: if you brought your own food and drinks for the race and would like us to have it ready for you at any of the aid stations, please, clearly mark it with your name and deposit into respective box that will be provided at the assembly/ finish area.

At the aid stations, besides food and drinks that you supply, HVO will provide water, electrolyte drinks, cut bananas, and sliced apples and oranges.

Time Limits for Highlander Course.

Since we have time 8 hours time limit for the entire course to complete, we will enforce the following cut-off times at the aid stations:

You will have 2 hours and 45 minutes to finish loop 1, after that the course will be closed for you to continue, we will kindly ask you to walk to the finish using your loop 1 map. In other words, you will have until noon to enter the trail run.

.At the end of the trail run cut off time will be 3 hours and 45 minutes from the start or 1 PM.

At the end of loop 3 your cut off time will be 6 hours from the start or 3:15 PM. If you arrive to aid station #3 after this cut off

time, we will kindly ask you to walk to the finish at Kanawauke Parking Lot using your loop 4 map.

There is a closed dam bridge at the Southern edge of Lower Kanawukee Lake, it is fenced and unsafe to use, passing below the dam is rough but crossable. Map is showing this bridge as forbidden to use.

This year's Highlander does not feature King/Queen of the Mountain leg and has a new award category: King/Queen of Long Legs. Combined time of legs from control #1 to #2, and control #10 to #11, will be used to determine the winner of this award. Choose your route choice wisely.

All controls are placed on new stands made by Rick DeWitt and Craig Weber. Location of the control on boulders may be visible from most probable approach or not, read the control description before attacking those. No control locations are purposely hidden from the view to ensure fair race conditions.

In general, the course will reward route choice planning and clean execution your planned route choices. I hope you will enjoy the map the course and the terrain as much as I did while setting it up. Good Luck!

Greg "Darth" Balter

Lowlander 2021 Course Setters Notes.

Lowlander course consists of 2 parts: loops 1 and 4 from Highlander course.

We will start a walk to the start of Lowlander at 9:30 AM sharp. Start is located ~1000 meters from Kanawauke Parking Lot. After maps distribution, we will have brief introduction to the race course for those who did not read course setters notes. We will start Lowlander participants at 9:45.

In case on inclement weather, we will collect extra clothes you bring to the start and carry it back to the finish area at Kanawauke parking lot.

Loop 1 and loop 2 are printed on 12"x18" waterproof paper on both sides. At the end of loop 1 at Sebago Beach area you will enter aid station, where you can find your food and drinks, you brought to the race. We will provide additional water at this aid station.

Time Limits for Lowlander Course.

Since we have time 5 hours time limit for the entire Lowlander course to complete, we will enforce the following cut-off time at the aid station: you will have 2 hours and 45 minutes to finish loop 1, after that the course will be closed for you to continue, we will kindly ask you to walk to the finish using your loop 2 map. In other words, you will have until 12:30 PM to enter the second loop of the Lowlander course.

Greg "Darth" Balter.

