

7 June 2018

"TAMAR TRIPLE 2018 DAY 3, COURSE E."

To: Arthur Vince - Controller

Further to our Jury report of 1 June 2018 you notified the Jury that the originator of the protest was not satisfied with the conclusions and asked we revisit our assessments; accordingly, one Jury member returned to the area to conduct further detailed research.

Observations:

a) The land forms around the area and particularly between the Pole and the Boulder are more complex than shown on the map. For mapping purposes simplification was necessary to be consistent with the level of detail shown on the rest of the map and allow competitor readability.

b) The juror used a Garmin Etrex for waypoints of the control sites in the area and for other features to and from the car park. The waypoints checked to within 2 meters when downloaded to Google Earth (GPS unit showed +/- 3m accuracy). A second GPS unit was also used and the waypoints matched to within 1 m.

When downloaded to the OCAD map, sent by the mapper, there was a slight westerly (2-3 meter) offset on all points and the juror adjusted the OCAD real world coordinates slightly to correct this.

c) The Pillbox remains are spread out -- GPS reading was taken from the most significant concrete slab.

d) Distances in area are as follows (Laser range finder and Google Earth):

- Pole to Pillbox slab 45 m
- Pillbox slab to Boulder (207) 29 m
- Boulder to Re-entrant (213) 48 m

Distances measured from the map are 50 - 55 m for both Pole to Boulder and Boulder to Re-entrant.

e) Bearings in area as follows:

- Boulder to Pole: Compass 346 deg. Map 355 deg.
- Boulder to Re-entrant: Compass 150 deg. Map 155 deg.

Analysis:

The most likely route taken by most runners on Course E between controls 200 and 207, and confirmed by Routegadget, was to the west of the vegetation, past the pole and past the pillbox remains to the control. On Routegadget some competitors who went east of the vegetation appear to have relocated using the pole.

The bearing from the pole to the boulder is correct (or within reasonable accuracy) and the distance to the boulder from the pole, although shown slightly shorter on the map, would be sufficient to take the competitor to a point past the pillbox to a position where they would have seen control 207. The subsequent route leg from the boulder to the re-entrant 213 is a short direct compass bearing -- bearing, distance and location check correctly between map and site visit.

Conclusions:

The protest that control 207 was incorrectly positioned is not supported by the facts - assuming within 3 -4 meters is acceptable in symbol-based mapping. The route leg from control 207 Boulder to 213 Re-entrant and the position of control 213 is accurately represented on the map.

If there is a minor issue, it is the pillbox remains not being shown on the map -- it is understandable that a competitor may have thought that some of the remains were the boulder but almost all competitors, as demonstrated by the results and split times, have continued a few meters and found the control and/or relocated/taken a bearing from the pole and found the control without a significant time penalty.

The Jury's opinion is, therefore, unchanged; however, we consider that, in hind sight, there should have been a symbol added to the map to show presence of the pillbox remains and would ask you as controller to share this insight with the mapper.

I would be grateful if you could convey the Jury's update to the originator of the protest and the organiser.

Regards

Mike Edwards RAFO
Jury Chairman
Tamar Triple Day 3

Jurors

Mike Edwards - RAFO
Steve Robertson - QO
Roger Hargreaves - KERNO