

COURSE MEASUREMENT SUMMARY SHEET

Cert No	
Replaces	
Cert No:	

CERTIFIED ACCURATE	ACE LICENCE/PERMIT BODY:				AREA:		Replaces Cert No:		
Cou	ırse Name	North QEOP 2-lap 5k				County		London	
Race Na	me (if diff)	QEOP E	LVIS 5k			Race Date	2	21-Jun-16	
Promoting	club or organization				East End	Road Runn	ers		
	Jamie Zucker,				-	Tel (home)	07	748534886	
Name and address of race organizer/	36 Saddlers House,					Tel work)	07	748534886	
director	East Village, London, E20 1AX				omail		ayzee51@h	otmail.com	
			-		email		ayzees1@iii	<u>Ottifiali.COIII</u>	
Distance	5 km		Measurer	M Je	fford	<u> </u>	Grade	Grade 2	
Measurement Meth	od Calib	rated Bicy	cle / Jones-	Oerth Cou	ınter	Measure	ement Date	27-Mar-16	
Height (in m above s	ea level) if not same		;	Start			Finish		
Distance in straight I	ine from Start to Finis	h	0 r	n		Approx S	Start Grid Ref	TQ385845	
			Brief Descri	ption of C	Coure				
Terrain (Flat/Undulating/Sev	vere Hills/etc.)		Virtually fla	at with sm	all incline	down to lov	wer level path	and back up again.	
(city streets/country lanes/naths/etc : amount off			Sealed paths within secction of the northern half of the Queen Elizabeth Country Park.						
Course Configuration (single lap/multi lap/ out & back/point to	anti clockwise/		Two laps fi	gure of ei	ght with tu	ırnaround p	ooint		
	Measurement	Details (ad	ditional in	formation	may be s	hown in th	e report)		
	ad available to the ru Are pavements allowe			-	-			ne near the 2k marker ost and wooden	
The line to be taken	at right hand turns.		Shortest po	ossible rou	ute on path	า.			
Dates for race series Any other information									
of the start/finish to should be shown to a	I am sending the measurement report: this summary page , all data sheets , course map & sketches showing the exact position of the start/finish to the Race Director, who must use this report to lay out the course & carefully keep it for future years. It should be shown to any official requiring details of the measured course. I am also sending a copy to the Area Course Measurement Secretary, who will check the report, file it, & issue a certificate of course accuracy.								
The Constant for the	Day = Either the Wo	king Cons	tant or the	Finish Con	stant, whi	chever is th	ie larger.		
	Signed		M Jefford	?7-Mar-16					

124 Crouch Hill, London, N8 9DY

Measurers Address

ACMS Name/Address

mark jefford@yahoo.co.uk

Email

Email

After calibrating in Finsbury Park I cycled to the QEOP to measure the route pre-agreed with Jamie, my contact for the event.

The course is for a 5k race made up of 2 laps. The start is near to the Velodrome, using a green painted marker on the tarmac labelled 0.5km (illustrated on a later page of this document).

I first measured in the direction of the run from the start point to the bollards at the end of London way, round the remainder of the course back to the start/finish point. The first measurement gave me 2533.8m.

I then proceeded to measure a second time in the reverse direction, also making a note of the split locations that could be used for 1k and 2k on the first lap, and 4k on the second lap. This gave me a distance of 2534m. The first ride measurement is shorter and has been used.

I then measured in running direction from the start to locate the 3k split.

Finally, I located a reference point fur the turning point that was approximately 17m from the end of London Way. For this I used a wooden bench mid-way between and opposite lamp posts LS61 and LS62.

The turnaround should be made up of a semi-circle of cones with a 1m radius, with a centreline in on a line that is 0.6m (to the right) of the left hand edge of the bench (if sitting on the bench).

The kilometre split location are as follows:

START = The point of green triangle on tarmac labelled 0.5km

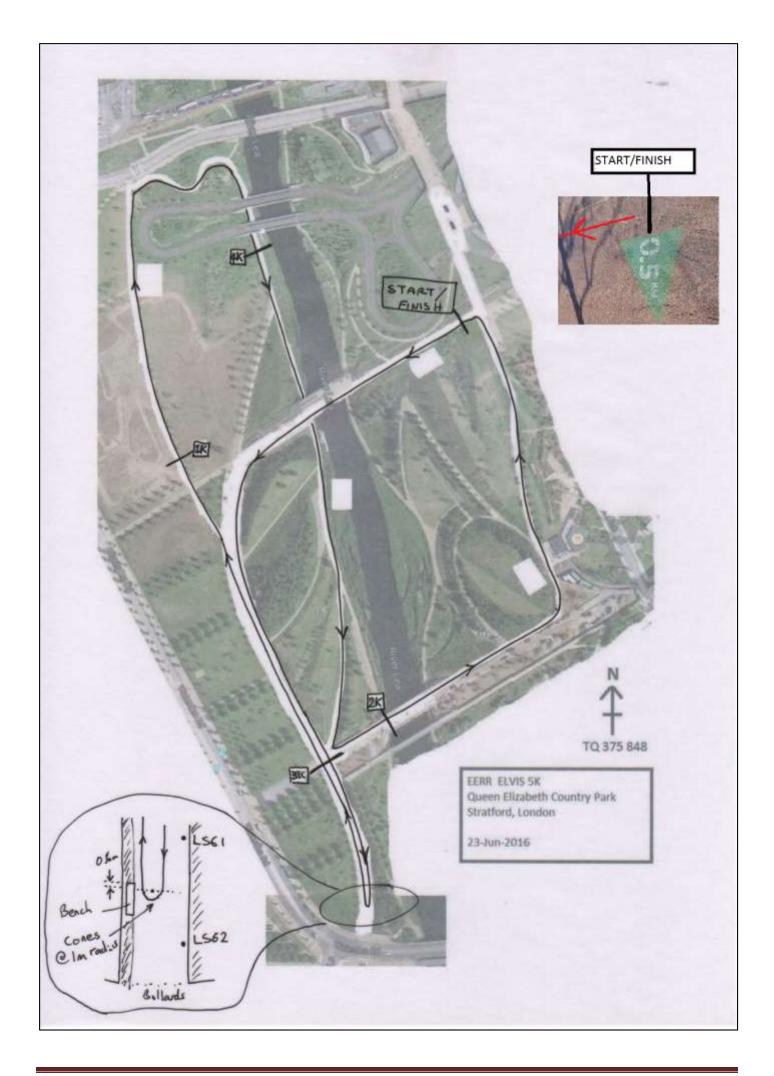
1k = 1.4m BEFORE the centre of the picnic bench on L just after the route leaves London Way

2k = 2.2m AFTER the start of the metal railings on the bridge (W edge of bridge just after sharp R turn).

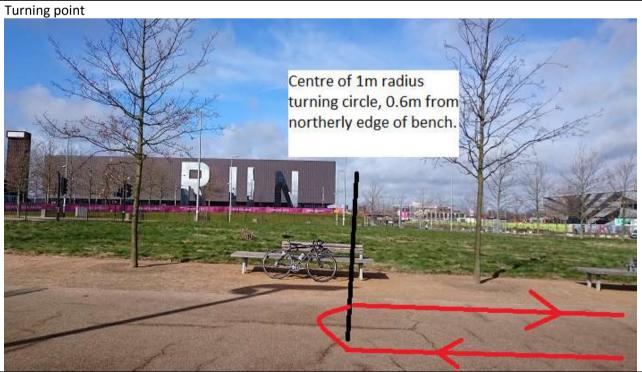
3k = 3.5m BEFORE the Southern edge of the tarmac crossroads heading S on London way

4k = 3.7m AFTER the centre of the bench on L on lower path by river, just after the second of the two velo bridges overhead.

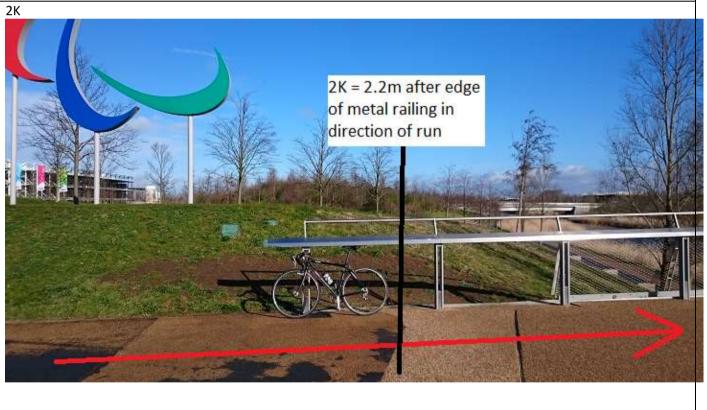
FINISH = The point of green triangle on tarmac labelled 0.5km

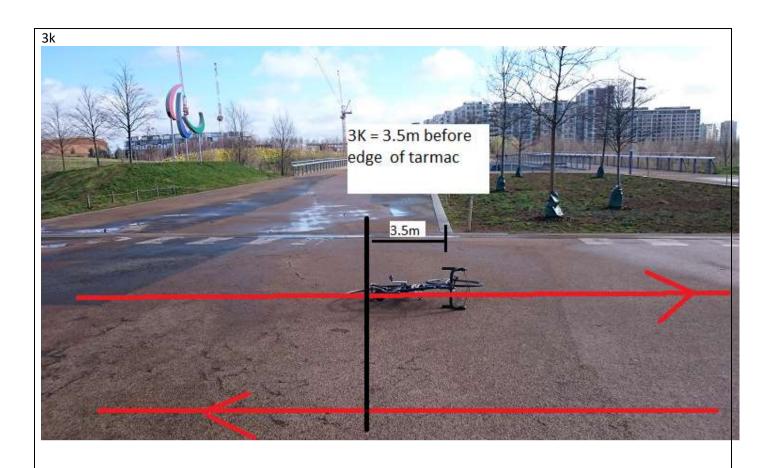


















Bicycle Calibration Data Sheet

CERTIFIED ACCURATE	CERTIFIED ACCURATE									
Name of N	/leasurer	M	lark Jeffor	d]	Date of Ca	alibration		27-Mar-16	i i
Calibration Course	Location		Fi	nsbury Pa	rk		Length		500m	
	Measurem	ent meth	od used t	o determi	ne calibra	tion cour	se length:		Steel Tape	!
			Bic	Bicycle Tyre type (e.g. pneumatic or solid,			or solid,	F	Pneumatio	:
				and	racing, tou	uring or m	nountain).		Racing	
1. Ride the calibration	on course 4	l times, r	ecording	ding data as follows						
	Start C	ount	Finish	Count	Difference			Pre-meas	urement	
Ride 1	7616	69	817	763	5594		Dist	ance(km)	0.5	00
Ride 2	8176	3	873	360	55	97	Avera	ge Count	5595	5.75
Ride 3	8736	60	929	954	55	94	Tir	ne of day	08:	26
Ride 4	9295	54	985	552	55	98	Tem	perature	2	С
_	ation cour	Number of counts in 1 km of ation course length, and m				course p		factor of 1	001.	nt, km
2. Measure the cour	se, includir	ng all int	ermediate	e distance	es, using th	ne Workin	g Constant	 t.		<u>'</u>
Record all data on tl		_					_			
3. Re calibrate the cy	cle by ridi	ng the ca	libration	course 4	times, rec	ording da	ta as follo	ws:		
ľ	011-0	1	Et at a t	0	D:#-		Date (if di		N4	
Ride 1	Start C 4268			nish Count Difference 48270 5590		Dist	ا ance(km)	ost-meas 0.5		
Ride 1	4827	_		364			4	ige Count	55	
Ride 3	5386		594		55		1	ne of day	13:	
Ride 4	5945		650		55		1	perature	-1	_
					<u> </u>		1			
Finish Constant = Nu by the calibration co						-			age count	z, divided
1.001 * 55	592 / 0.5			Working	Constant	1119	95.18	CO	unts per	km
L									· .	
The Constant for the				I	Í		1		_	
Constant for the day 11202.69				co	ounts per	km	Va	ariance bt	tw calibs	0.067%
Other than the large used if justified. In scircum-stances the appropriate. Give dethis is applicable.	ome average is	more		Windy d	ay, 1st/3r	d ride into	o the wind	for pre- a	nd post.	
Remember, each day much as you want ir is done to minimise calibration 'protects	a day proverserror due to a street the previous to the previous terms of the previous terms of the street the street terms of	vided tha o change ous meas	at calibra es in tyre p	tion prece oressure f	edes it and From therm	follows in al expans	t within th	e same 24	l hour per	iod. This
Signed	M Jefford				Date 27			ar-16		





COURSE MEASUREMENT DATA SHEET

Event/Venue	QEOP Elvis 5k			
Measurer	Mark Jefford		Measurement Date	27-Mar-16
Start Time	09:10	Temperature 3 C	Working Constant	11202.69
Finish Time	10:10	Temperature 5 C		

Start Reading	Counts	Distance	Adjusted Distance (m)	
Measure lap	from start to end o	of bollards on	L Ondon Way (by	Copper box) back to start (in running direction).
90848				Start/Finish line - at point of green triangle on tarmac labelled 0.5km
98172	7324	653.8	653.8	Bollards at end of London Way by Waterden Road
19233	21061	1880.0	2533.8	Start/Finish line - at point of green triangle on tarmac labelled 0.5km
Measure lap	 from start to end c	of bollards on	l London Way (by	copper box) back to start (in REVERSE running direction) along with km split locations.
19233	0	0.0		Start/Finish line - at point of green triangle on tarmac labelled 0.5km
24859	5626	502.2	502.2	W edge of the metal bridge after sharp R turn heading towards Timber Lodge
30477	5618	501.5	1003.7	Centre of the bench on path by river, just S of the two bridges of the Velo track overhead
36021	5544	494.9	1498.6	Centre of the picnic bench on L just after the route leaves London way
40301	4280	382.1	1880.6	Bollards at end of London Way by Waterden Road
47621	7320	653.4	2534.0	Start/Finish line - at point of green triangle on tarmac labelled 0.5km
Measuremei	 nt of 3km splits in fo	orward from t	he start/finish lii	ne
47621				Start/Finish line - at point of green triangle on tarmac labelled 0.5km
53262	5641	503.5	503.5	S edge of tarmac crossroads
Measure tur	ning point referenc	e from the bo	llards at end of L	ondon Way.
55066				Bollards at end of London Way by Waterden Road
55285	219	19.5	19.5	N edge of wooden bench
55285	0	0.0		N edge of wooden bench
55502	217	19.4	19.4	Bollards at end of London Way by Waterden Road
Assemble ro	ute with 1m radius	turning circle	at offset from th	be bollards using the edge of bench as reference point.
		2533.8	2533.8	Lap to bollards
		4.1	2537.9	Turn (1+0.3) * pi
		0.6	2500.0	Turning point is at 0.6m before the L hand edge of the wooden bench situated between LP LS6 and LS62
		39.1	2498.8	Subtract distance to N edge of bench * 2