

Nuffield Oceania Trophy

The Nuffield score is calculated from class points at the Concours and Motorkhana.

An average value is calculated for each club's best "X" competitors, where "X" is 2% of the club's size, but limited to a minimum of 5 and maximum of 20.

This is done by summing all those competitor's class points for the Concours and Motorkhana, then dividing by X, even if there are less than X competitors.

Rank	Club	#memb	2%	Points	Total	Nuff
1	Newcastle	105	5	18, 12, 11, 10, 10	61	12.20
2	Victoria	1571	20	15, 15, 13, 13, 13, 12, 12, 12, 12, 12, 11, 10, 10, 10, 10, 9, 9, 9, 9, 9	225	11.25
3	Queensland	439	9	18, 12, 12, 11, 10, 10, 9, 9, 9	100	11.11
4	Hunter Region	174	5	18, 9, 9, 8, 3	47	9.40
5	Tasmania	209	5	13, 12, 12, 7	44	8.80
=6	Gold Coast	266	5	9, 6, 6, 5, 4	30	6.00
=6	Geelong	356	7	12, 12, 9, 4, 4, 1	42	6.00
8	WA	304	6	9, 9, 7, 6, 4, 0	35	5.83
9	Wagga Wagga	40	5	9, 6, 6	21	4.20
10	TC Owners	80	5	9, 7, 3	19	3.80
11	SA	931	19	18, 9, 8, 7, 6, 5, 4, 2, 1, 0, 0	60	3.16
12	NSW	714	14	9, 8, 7, 6, 5, 4, 1, 0	40	2.86
13	MG Owners WA	67	5	6, 3, 2, 1, 1	13	2.60
14	Canberra	210	5	9	9	1.80
15	Sunshine Coast	300	5	3	3	0.60

Wratten Trophy

The Wratten Trophy score for a club is calculated by adding up all class points earned by each club member, then multiplying them by a "fudge factor", which compensates for club size and distance travelled.

The fudge factor is calculated by:

$$F = (Fd + 1) * Fc$$

Distance component Fd

$$Fd = (\text{Distance from clubrooms to NatMeet venue}) / (\text{Distance from Melbourne to Adelaide})$$

Membership component Fc

$$Fc = (\text{Log10[Members in host club]}) / (\text{Log10[Number of club members]})$$

Tasmanian distance calculation

A special method is specified to calculate an equivalent distance for the Tasmanian ferry, and all Tasmanian members are assumed to travel 200km to the ferry.

The ferry calculation is:

$$((2 * \text{passenger fare}) + \text{car fare}) / (\frac{1}{2} \text{ATO published car cost per km for a 1600-2000cc car}) \\ = ((2 * \$111) + \$83) / \frac{1}{2} * \$0.76 = 803 \text{ km}$$

Wratten Trophy Calculations

Centre (Address)	Distance to Natmeet (km)	Mem'p	Fd	Fc	F	Points	Score
Queensland 8/16 Collinsvale St, Rocklea QLD	1672 goo.gl/maps/Nc4Va	439	2.306	1.210	3.999	282	1127.72
Victoria 41-49 Norcal Rd, Nunawading VIC	19 goo.gl/maps/qLCnB	1571	0.026	1.000	1.026	932	956.23
Newcastle 10 Cobby St, Shortland NSW	1005 goo.gl/maps/oAp2P	105	1.386	1.581	3.773	192	724.42
Western Australia 112 Hardy Road Bayswater WA	3451 goo.gl/maps/WfZPA	304	4.760	1.287	7.415	53	393.00
MG Owners WA Mt Lawley, WA	3456 goo.gl/maps/D3pkR	67	4.767	1.750	10.094	35	353.29
Hunter Region 68 Elder St, Lambton, NSW	1006 goo.gl/maps/VvQa8	174	1.388	1.427	3.406	86	292.92
TC Owners WA Perth WA	3451 goo.gl/maps/WfZPA	80	4.760	1.679	9.674	25	241.85
Tasmania Hobart, Tasmania	200 + 803 + 46 = 1049 (see above)	209	1.447	1.378	3.371	68	229.23
South Australia 93 Chief Street, Brompton SA	772 goo.gl/maps/ALMOC	931	1.065	1.077	2.223	84	186.73
Gold Coast Southport QLD	1705 goo.gl/maps/wkufM	266	2.352	1.318	4.418	41	181.14
New South Wales 59 Chatham Rd, West Ryde NSW	856 goo.gl/maps/vTka6	714	1.181	1.120	2.442	62	151.40
Geelong 96 Breakwater Rd, Breakwater VIC	115 goo.gl/maps/bpybl	356	0.159	1.253	1.451	73	105.92
Wagga Wagga Wagga Wagga NSW	437 goo.gl/maps/8W7O9	40	0.603	1.995	3.198	27	86.35
Canberra 25 Yallourn St, Fyshwick ACT	656 goo.gl/maps/TNNBw	210	0.905	1.376	2.622	10	26.22
Sunshine Coast Buderim QLD	1801 goo.gl/maps/TGttJ	300	2.484	1.290	4.496	4	17.98