



## LANDFILE CONSULTANCY

*Mapping Your Future*

Sydhob98

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21 January 1998

Sydney Water Police  
Wharf 25 Harris Street  
Piermont NSW 2009

**ATTENTION: DAVID UPSTON**



## LANDFILE CONSULTANCY

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**Robert Rowell**  
DIRECTOR

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*Consultants in Geographic Information Systems*

Dear David

### 1998 SYDNEY HOBART YACHT RACE - MAPPING

Following our discussions, we thought we would write and advise you that we are in a position to provide a number of maps for use in reviewing and analysing the 1998 Sydney-Hobart Yacht Race.

Please note that the information below is additional to the sked position maps that you requested on 6<sup>th</sup> January 1999. We expect to have these maps completed by the end of January.

As you may be aware Landfile is a GIS (geographic information system) consultancy and therefore specialise in the analysis and presentation of geographically or spatially based information. On many occasions the results are presented through maps. In addition we are experienced in mapping the Sydney-Hobart Yacht Race, having been involved since 1992. We believe this places us in a unique and valuable position in assisting those involved in the review of last years race.

As an example of what we can provide we have included samples (see attached maps) of some simple analysis we have undertaken. We have taken the yacht positions from the 2 pm sked on Sunday 27 December 1998 and mapped this against cloud formation and sea surface temperature data. The images were provided courtesy of the CSIRO Marine Research Remote Sensing Unit.

The objective of this was to relate yacht positions to sea and weather conditions. In addition we have symbolised the yachts according to whether they retired or continued racing - the objective was to highlight any patterns in retired yachts against the weather or sea conditions.

Please note that these maps are indicative only and have been created to only show what is possible. Because of the scale of mapping and the process of relating the maps to the location of coastline and the yachts - the final analysis is approximate only. As a result these maps should not be used for any formal interpretation.

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If these maps are of interest we would like to note the following enhancement and possibilities exist

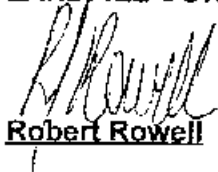
- the two sample maps can be reprocessed to provide a more accurate picture of yacht locations against sea and weather conditions
- maps can be printed up to a large A1 format size (59 x 84 cm)
- maps can be provided in files formats suitable for use in GIS systems (eg MapInfo)
- additional maps can be created for analysis - for example
  - CSIRO cloud formation maps taken at 7.46pm (27/12/98) and 4am (28/12/98) can be overlaid on yacht locations at Sked 3 and/or Sked 4 (refer attached examples)
  - Bureau of Meteorology maps can also be overlaid against yacht locations (refer attached examples)
  - Retired yachts can be further analysed eg symbolised according to "reason for retirement" e.g gear breakage, dismasting, abandonment, crew fatigue etc.
  - if there are any specific mapping requirements you may want please feel free to discuss them with us

We have had initial discussions with both CSIRO and Bureau of Meteorology and indications are that their information can be made available.

We trust the information provided is of value, and we look forward to discussing the opportunity of further mapping with you.

Yours sincerely

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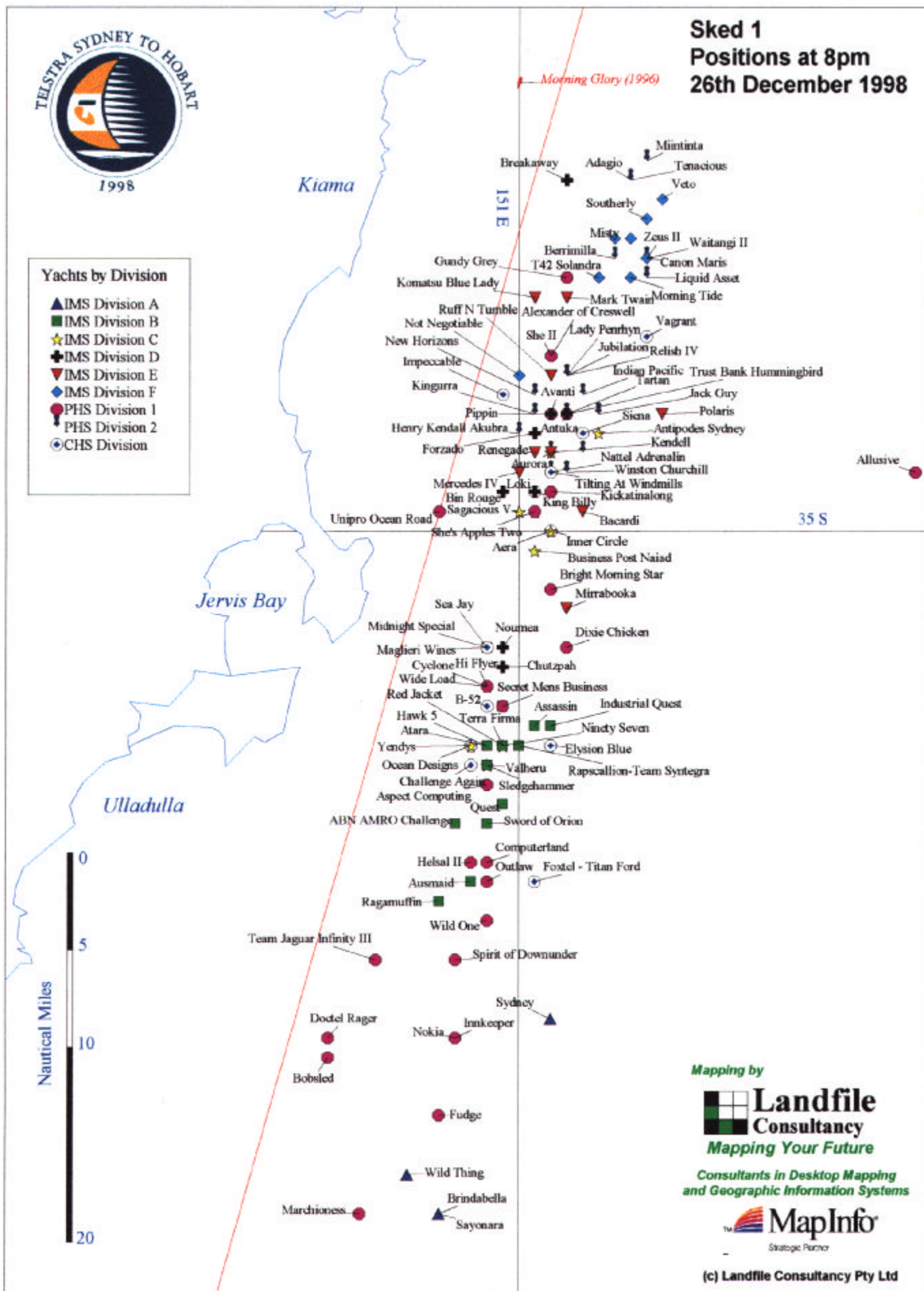


**Robert Rowell**



**Sked 1  
Positions at 8pm  
26th December 1998**

- Yachts by Division**
- ▲ IMS Division A
  - IMS Division B
  - ☆ IMS Division C
  - ⊕ IMS Division D
  - ▼ IMS Division E
  - ◆ IMS Division F
  - PHS Division 1
  - PHS Division 2
  - ⊙ CHS Division



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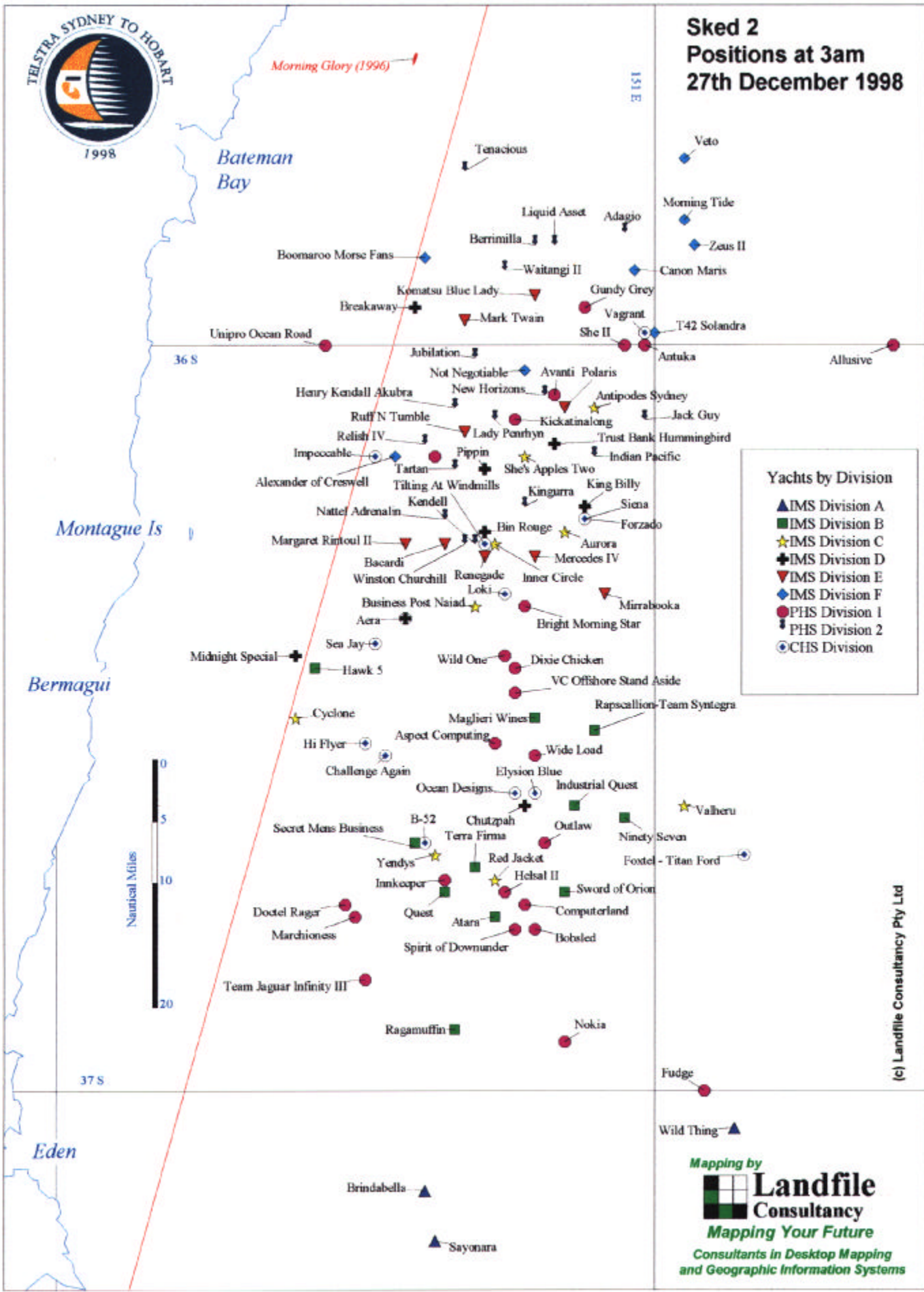
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# Sked 2 Positions at 3am 27th December 1998



**Yachts by Division**

- ▲ IMS Division A
- IMS Division B
- ★ IMS Division C
- ⊕ IMS Division D
- ▼ IMS Division E
- ◆ IMS Division F
- PHS Division 1
- ▾ PHS Division 2
- ⊙ CHS Division

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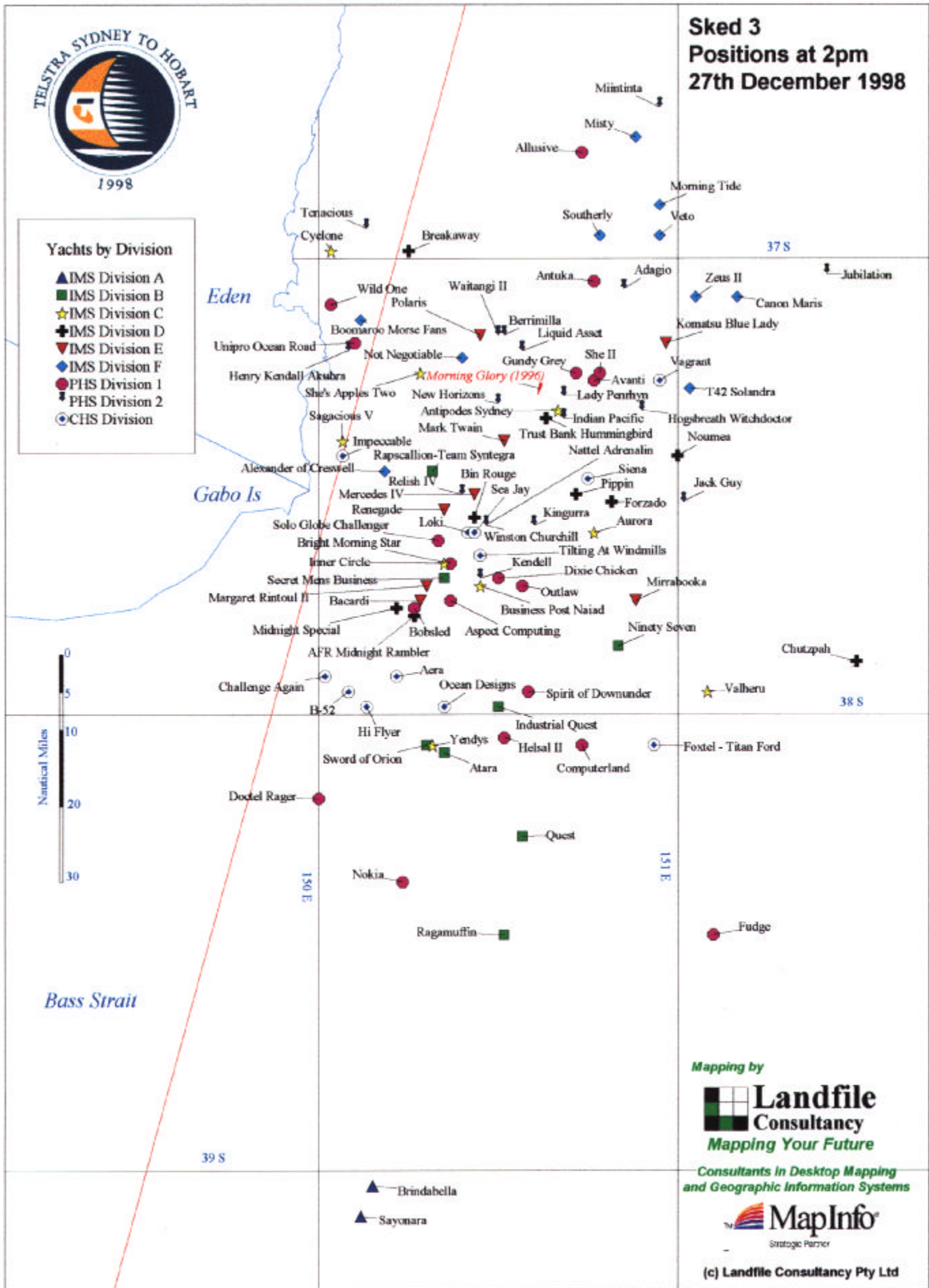




**Sked 3  
Positions at 2pm  
27th December 1998**

**Yachts by Division**

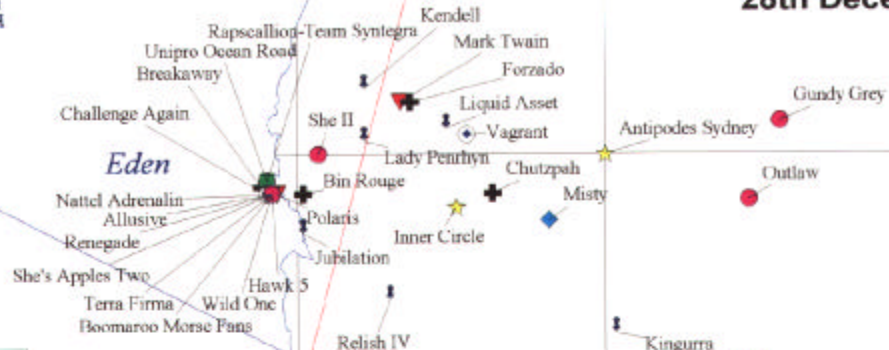
- ▲ IMS Division A
- IMS Division B
- ★ IMS Division C
- ◆ IMS Division D
- ◆ IMS Division E
- ◆ IMS Division F
- PHS Division 1
- PHS Division 2
- CHS Division



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**Sked 4  
Positions at 3am  
28th December 1998**



**Yachts by Division**

- ▲ IMS Division A
- IMS Division B
- ★ IMS Division C
- ⊕ IMS Division D
- ▼ IMS Division E
- ◆ IMS Division F
- PHS Division 1
- ⚓ PHS Division 2
- ⊙ CHS Division



*Bass Strait*

149 E

*Flinders Island*

*Eddystone Pt*

*Morning Glory (1996)*

Brindabella

Sayonara

Ragamuffin

Ausmaid

Doctel Rager

Atara

Industrial Quest

Mirabooka

Margaret Rintoul II

Tilting At Windmills

Bacardi

Waitangi II

Avanti

Mercedes IV

Berrimilla

Relish IV

Jubilation

Inner Circle

Bin Rouge

Polaris

She II

Kendell

Mark Twain

Forzado

Liquid Asset

Vagrant

Chutzpah

Misty

Antipodes Sydney

Gundy Grey

Outlaw

Kingarra

Loki

Nourmea

New Horizons

Komatsu Blue Lady

Helsal II

Aurora

Aera

Spirit of Downunder

Computerland

Foxstel - Titan Ford

Yexdys

Vaiheru

Quest

Nokia

Fudge

150 E

151 E

37 S

38 S

39 S

40 S

41 S

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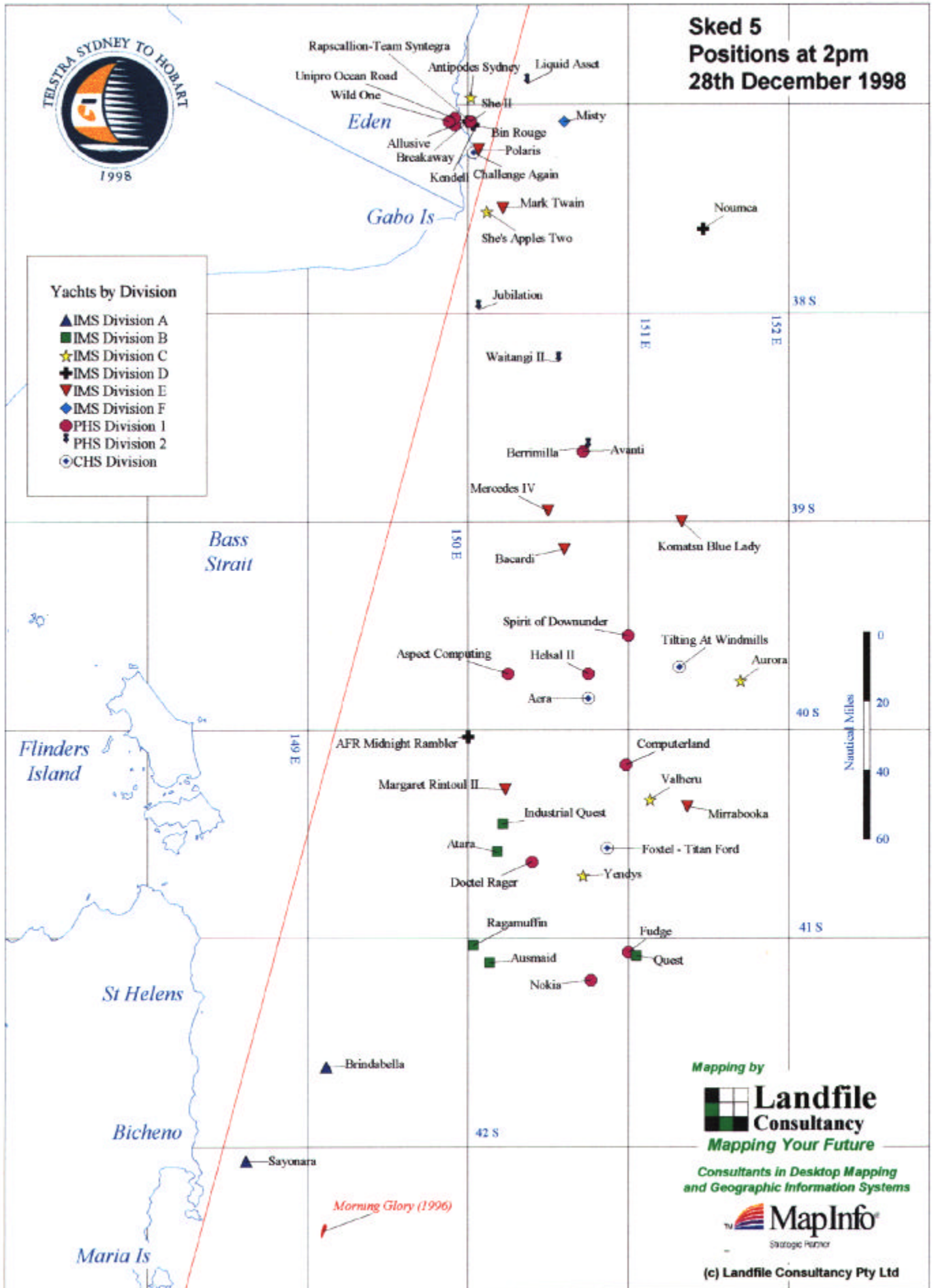
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**Sked 5  
Positions at 2pm  
28th December 1998**

**Yachts by Division**

- ▲ IMS Division A
- IMS Division B
- ★ IMS Division C
- ⊕ IMS Division D
- ▼ IMS Division E
- ◆ IMS Division F
- PHS Division 1
- ⚓ PHS Division 2
- ⊙ CHS Division



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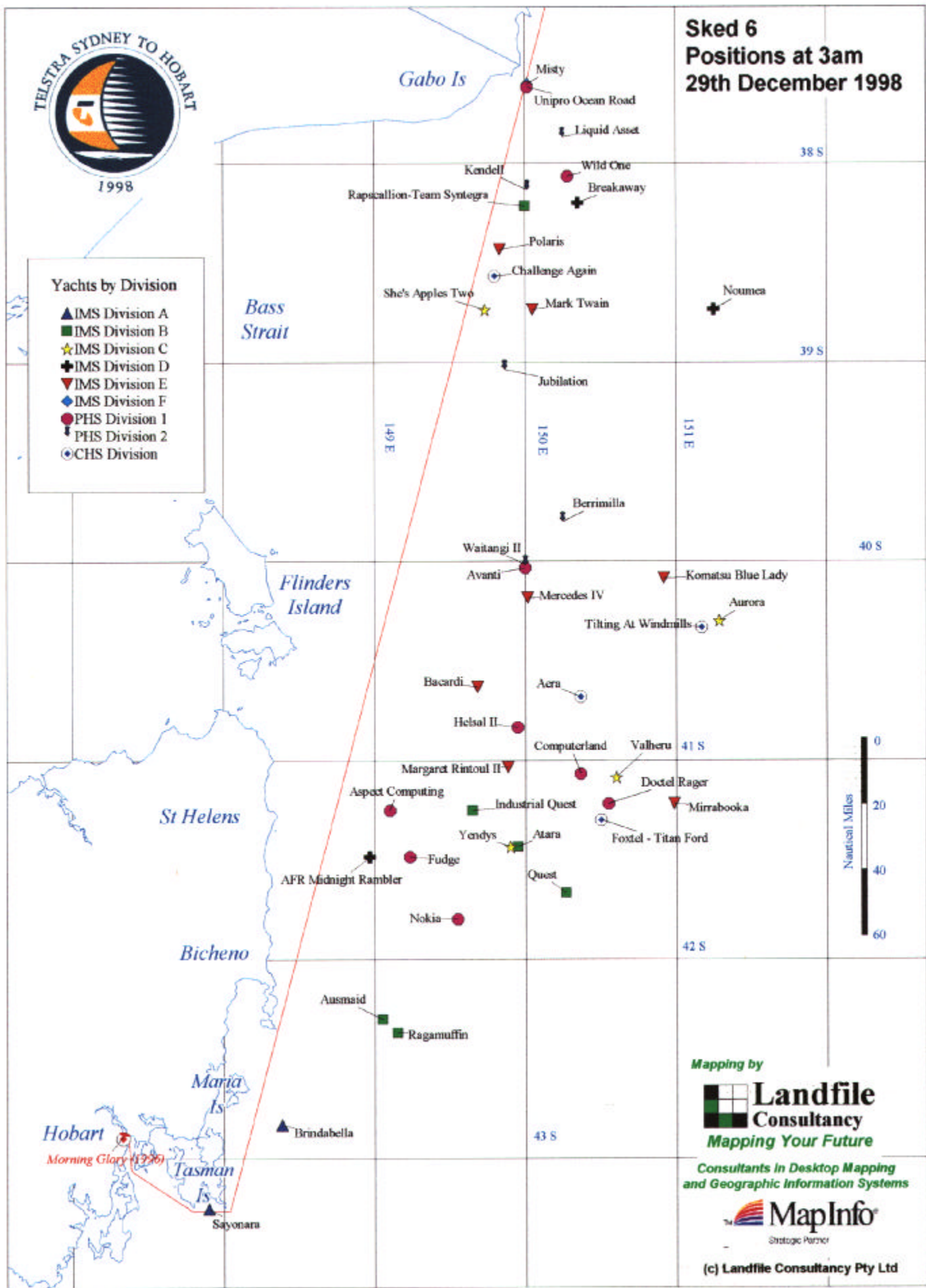




**Sked 6  
Positions at 3am  
29th December 1998**

**Yachts by Division**

- ▲ IMS Division A
- IMS Division B
- ★ IMS Division C
- ⊕ IMS Division D
- ▼ IMS Division E
- ◆ IMS Division F
- PHS Division 1
- ⬇ PHS Division 2
- ⊙ CHS Division



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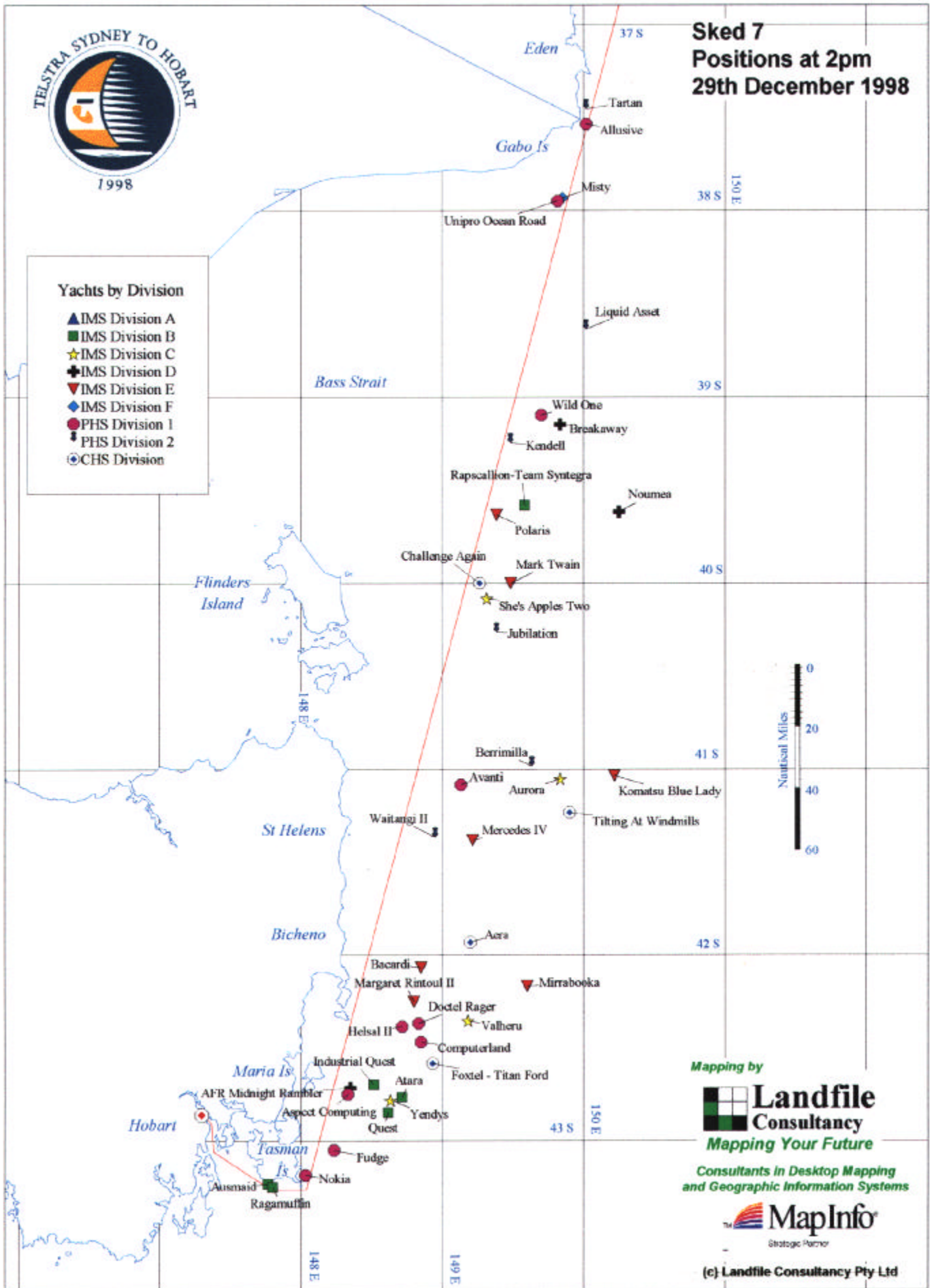




**Sked 7  
Positions at 2pm  
29th December 1998**

**Yachts by Division**

- ▲ IMS Division A
- IMS Division B
- ★ IMS Division C
- ⊕ IMS Division D
- ▼ IMS Division E
- ◆ IMS Division F
- PHS Division 1
- ⬇ PHS Division 2
- ⊙ CHS Division



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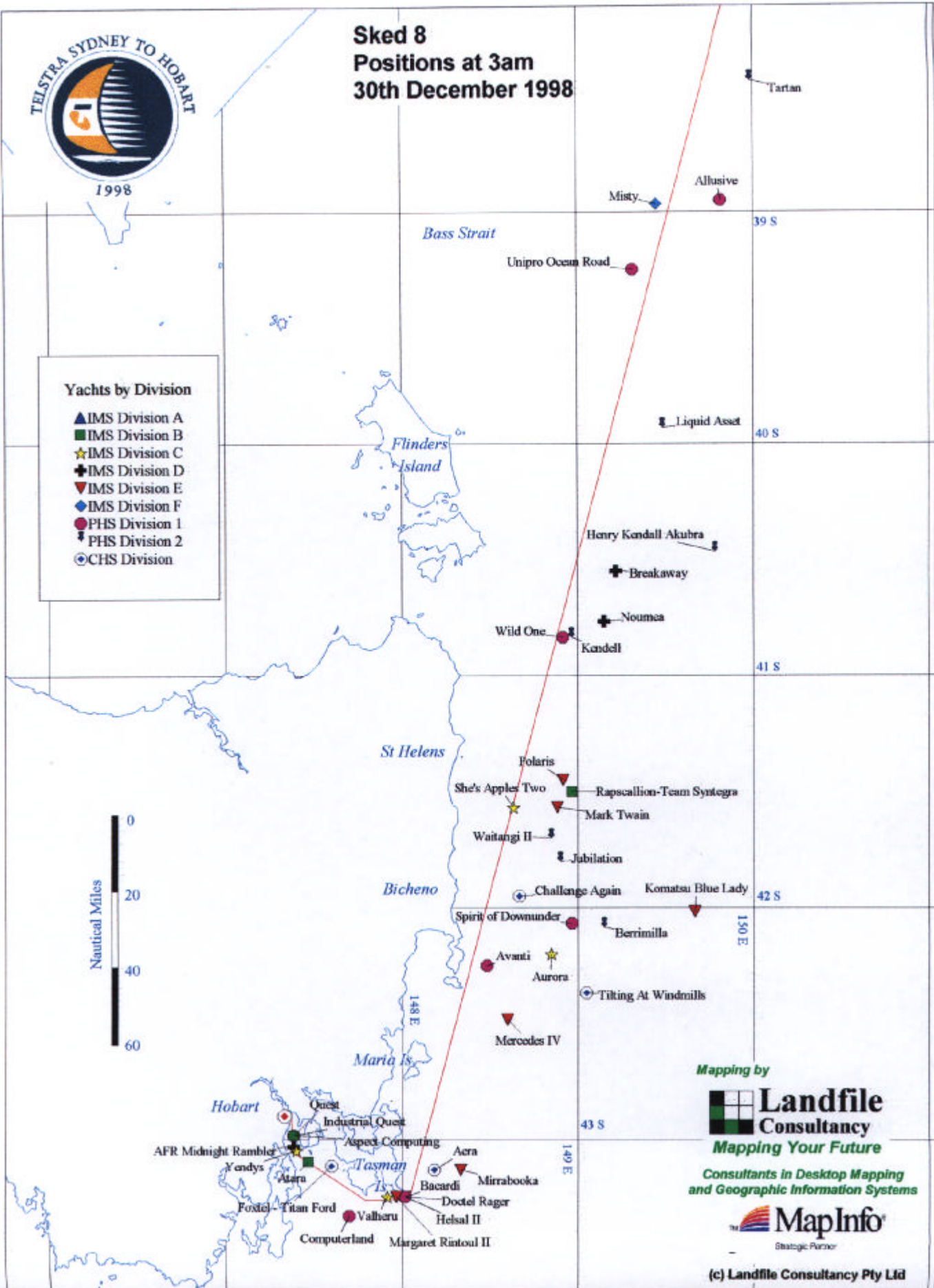
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# Sked 8 Positions at 3am 30th December 1998

## Yachts by Division

- ▲ IMS Division A
- IMS Division B
- ☆ IMS Division C
- ◆ IMS Division D
- ▼ IMS Division E
- ◆ IMS Division F
- PHS Division 1
- ⚓ PHS Division 2
- ⊕ CHS Division



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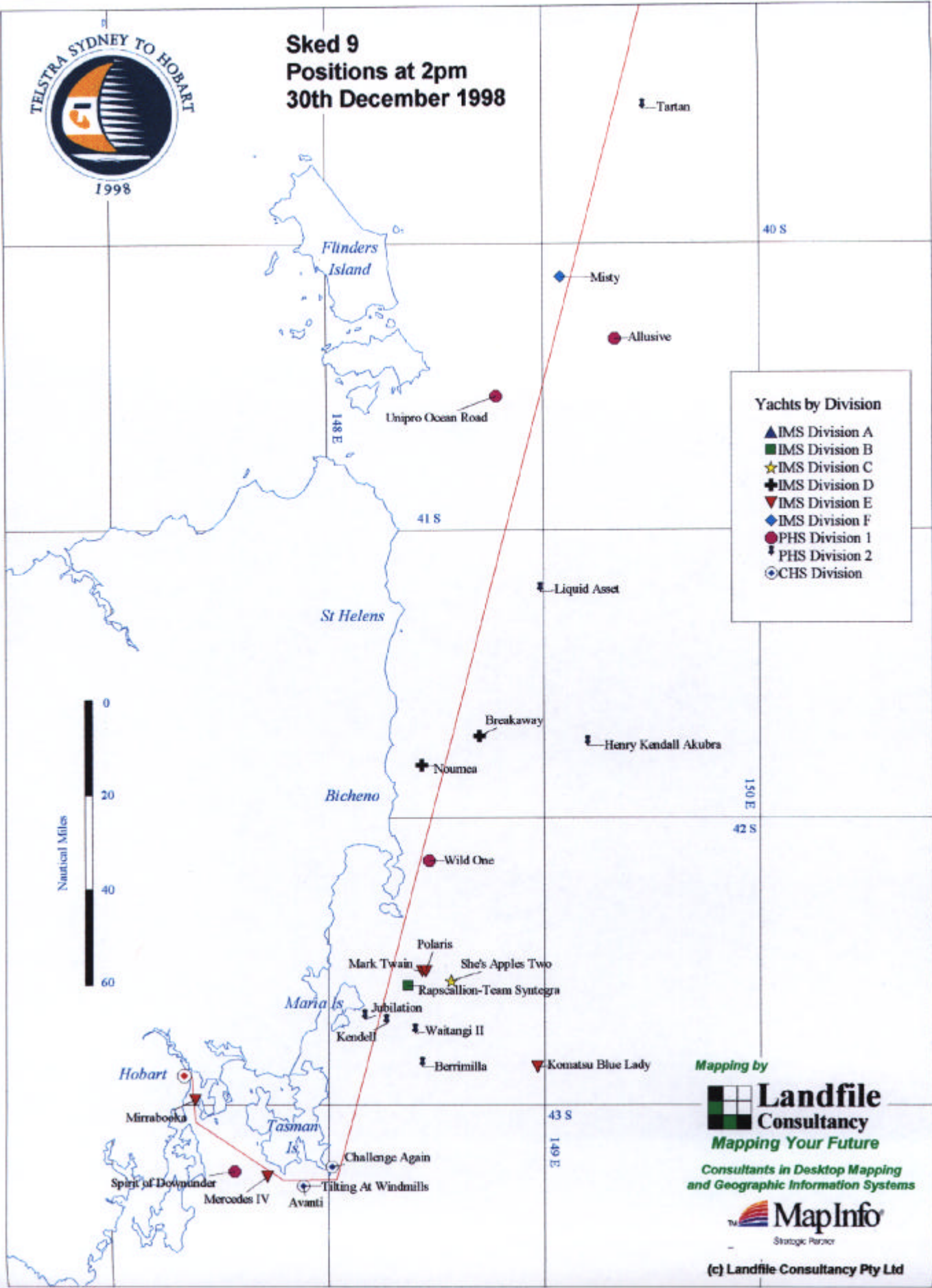
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# Sked 9 Positions at 2pm 30th December 1998



**Yachts by Division**

- ▲ IMS Division A
- IMS Division B
- ★ IMS Division C
- ◆ IMS Division D
- ▼ IMS Division E
- ◆ IMS Division F
- PHS Division 1
- ⚓ PHS Division 2
- ⊙ CHS Division

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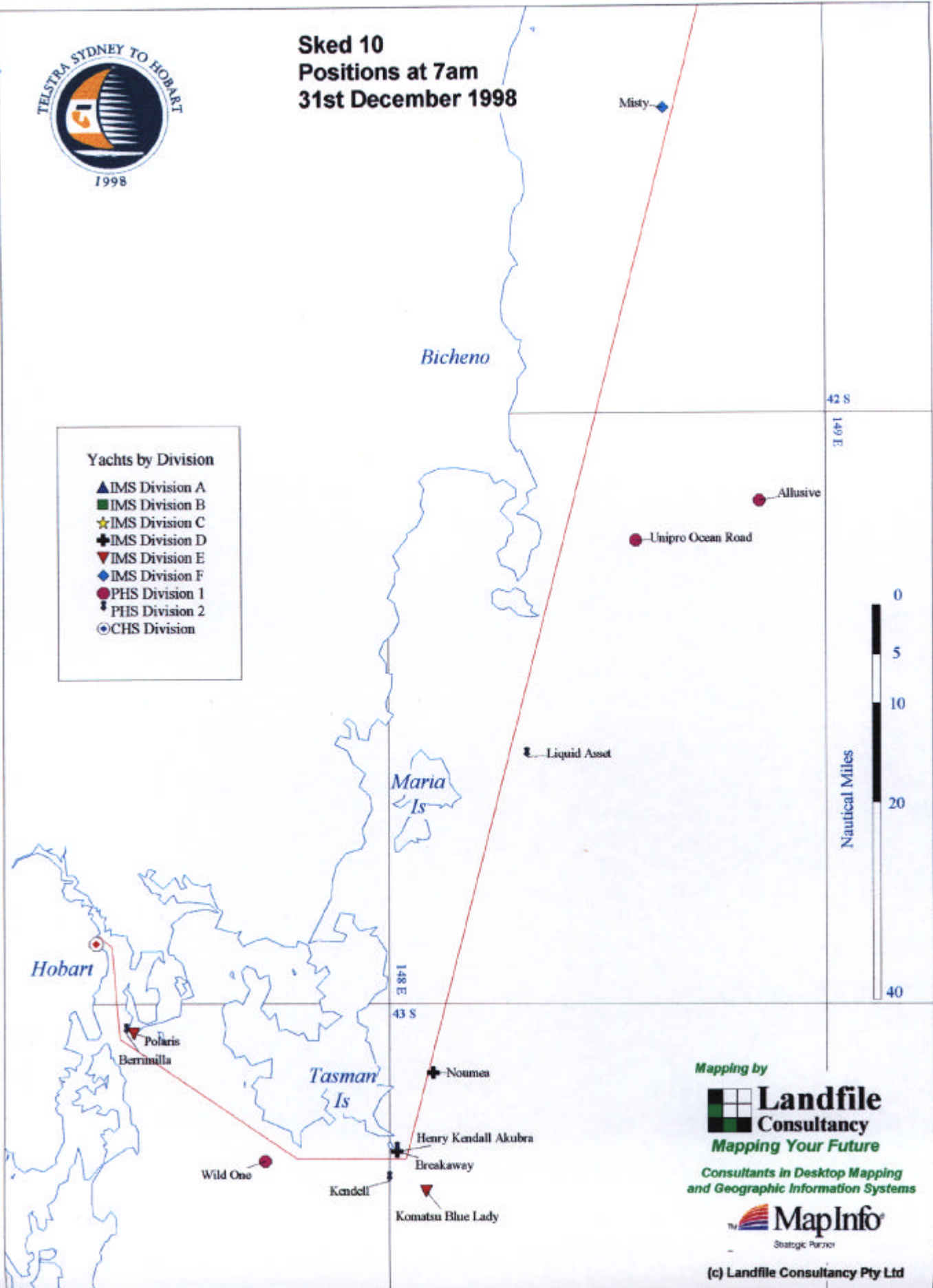
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# Sked 10 Positions at 7am 31st December 1998

- Yachts by Division**
- ▲ IMS Division A
  - IMS Division B
  - ★ IMS Division C
  - ◆ IMS Division D
  - ▼ IMS Division E
  - ◆ IMS Division F
  - PHS Division 1
  - ⬇ PHS Division 2
  - ⊙ CHS Division



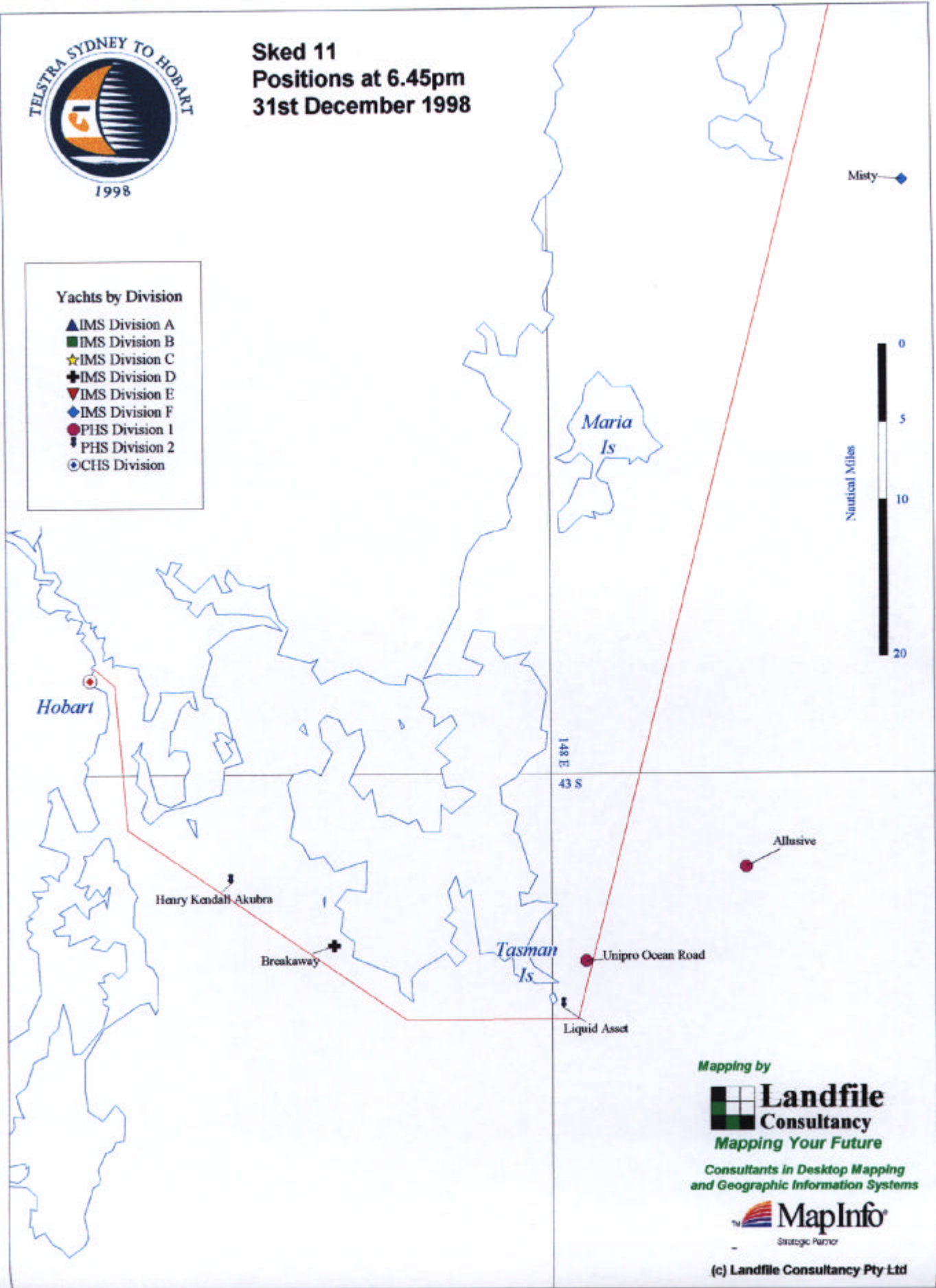
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# Sked 11 Positions at 6.45pm 31st December 1998

### Yachts by Division

- ▲ IMS Division A
- IMS Division B
- ★ IMS Division C
- ✦ IMS Division D
- ▼ IMS Division E
- ◆ IMS Division F
- PHS Division 1
- ⚓ PHS Division 2
- ⊙ CHS Division



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# CYCA 1998 Telstra Sydney - Hobart Yacht Race

## FINAL - Line Honours Results

Scr Pos	SailNo Name	Owner / Skipper	State	IMS Div	PHS Div	CHS Div	Date Time	VMG kt	Elapsed Time	Elapsed Sec/Mile
1	US17 Sayonara	Larry Ellison	USA	A			FINISHED 29-Dec-98 08:03:32	9.40	2 19:03:32	382.95
2	C1 Brindabella	George Snow	NSW	A			FINISHED 29-Dec-98 10:55:06	9.02	2 21:55:06	399.28
3	YC1000 Ausmaid	Kevan Pearce	SA	B			FINISHED 29-Dec-98 19:02:29	8.08	3 06:02:29	445.67
4	AUS70 Ragamuffin	Syd Fischer	NSW	B			FINISHED 29-Dec-98 19:11:29	8.06	3 06:11:29	446.52
5	COK1 Nokia	David Witt	C.I.		1		FINISHED 29-Dec-98 22:19:00	7.75	3 09:19:00	464.37
6	SM1 Fudge	Peter Hansen	VIC		1		FINISHED 30-Dec-98 00:00:26	7.59	3 11:00:26	474.03
7	6606 Quest	Bob Steel	NSW	B			FINISHED 30-Dec-98 03:41:28	7.27	3 14:41:28	495.06
8	9090 Industrial Quest	Kevin Miller	QLD	B			FINISHED 30-Dec-98 03:58:45	7.25	3 14:58:45	496.71
9	4826 Aspect Computing	David Pescud	NSW		1		FINISHED 30-Dec-98 04:28:24	7.21	3 15:28:24	499.53
10	8338 AFR Midnight Rambler	Ed Psaltis / Bob Thomas	NSW	D			FINISHED 30-Dec-98 05:04:40	7.16	3 16:04:40	502.98
11	1993 Yendys	Geoff Ross	NSW	C			FINISHED 30-Dec-98 05:09:33	7.15	3 16:09:33	503.45
12	IRL8000 Atara	Roger Hickman	NSW	B			FINISHED 30-Dec-98 05:33:04	7.12	3 16:33:04	505.69
13	YC560 Doctel Rager	Gary Shanks	SA		1		FINISHED 30-Dec-98 06:51:40	7.02	3 17:51:40	513.17
14	M250 Foxtel - Titan Ford	Hodder/Zemanek/Sorenson	NSW			1	FINISHED 30-Dec-98 07:01:45	7.00	3 18:01:45	514.13
15	125 Computerland	John Saul	TAS		1		FINISHED 30-Dec-98 08:19:57	6.90	3 19:19:57	521.57
16	SA 93 Helsal II	Keith Flint	SA		1		FINISHED 30-Dec-98 08:21:26	6.90	3 19:21:26	521.71
17	2170 Margaret Rintoul II	Richard Purcell	NSW	E			FINISHED 30-Dec-98 12:13:57	6.62	3 23:13:57	543.84
18	1195 Valheru	Anthony Lyall	TAS	C			FINISHED 30-Dec-98 12:44:54	6.58	3 23:44:54	546.79
19	SM377 Bacardi	Ainley / Williams	VIC	E			FINISHED 30-Dec-98 12:54:01	6.57	3 23:54:01	547.65
20	GRE49040 Aera	Nick Lykiardopulo	UK			1	FINISHED 30-Dec-98 13:37:46	6.52	4 00:37:46	551.82
21	A8 Mirrabooka	John Bennetto	TAS	E			FINISHED 30-Dec-98 15:21:03	6.41	4 02:21:03	561.65
22	R1200 Spirit of Downunder	Lawrence Ford	VIC		1		FINISHED 30-Dec-98 17:55:36	6.25	4 04:55:36	576.36
23	1224 Mercedes IV	Peter Stronach	NSW	E			FINISHED 30-Dec-98 20:34:35	6.09	4 07:34:35	591.49
24	SM2 Challenge Again	Lou Abrahams	VIC			1	FINISHED 30-Dec-98 22:35:46	5.97	4 09:35:46	603.02
25	4057 Aurora	Jim Holly	NSW	C			FINISHED 30-Dec-98 23:05:30	5.94	4 10:05:30	605.85
26	Sm 117 Tilting At Windmills	Thorry Gunnensen	VIC			1	FINISHED 30-Dec-98 23:07:04	5.94	4 10:07:04	606.00
27	B409 Avanti	Chris / John Mooney	VIC		1		FINISHED 31-Dec-98 00:18:33	5.87	4 11:18:33	612.81
28	5588 Rapscaillion-Team Syntegra	Dick Voorderhake	NSW	B			FINISHED 31-Dec-98 06:56:44	5.53	4 17:56:44	650.70
29	4527 She's Apples Two	Max Prentice	NSW	C			FINISHED 31-Dec-98 11:05:06	5.34	4 22:05:06	674.34
30	5527 Polaris	John Quinn	NSW	E			FINISHED 31-Dec-98 11:07:44	5.34	4 22:07:44	674.59
31	371 Berrimilla	Alex Whitworth	NSW		2		FINISHED 31-Dec-98 11:20:40	5.33	4 22:20:40	675.82
32	4168 Kendell	Jeff Cordell	TAS		2		FINISHED 31-Dec-98 11:30:57	5.32	4 22:30:57	676.80
33	A113 Mark Twain	Hugh O'Neill	NSW	E			FINISHED 31-Dec-98 13:00:25	5.25	5 00:00:25	685.32
34	B116 Jubilation	David James	VIC		2		FINISHED 31-Dec-98 13:52:06	5.22	5 00:52:06	690.24
35	265 Waitangi II	David Wearn	NSW		2		FINISHED 31-Dec-98 13:53:11	5.21	5 00:53:11	690.34



**CYCA 1998 Telstra Sydney - Hobart Yacht Race**  
**FINAL - Line Honours Results**

Scr Pos	SailNo Name	Owner / Skipper	State	IMS Div	PHS Div	CHS Div	Date Time	VMG kt	Elapsed Time	Elapsed Sec/Mile
36	Sm 1995 Wild One	Gary Walker	VIC		1		FINISHED 31-Dec-98 14:10:09	5.20	5 01:10:09	691.96
37	N11 Noumea	Jean Luc Esplaas	Noumea	D			FINISHED 31-Dec-98 16:48:09	5.09	5 03:48:09	706.99
38	5669 Komatsu Blue Lady	Shane Kearns	NSW	E			FINISHED 31-Dec-98 17:03:55	5.08	5 04:03:55	708.49
39	6074 Henry Kendall Akubra	Patrick Wilde	NSW		2		FINISHED 31-Dec-98 21:32:44	4.90	5 08:32:44	734.08
40	Sm 596 Breakaway	Martin Power	VIC	D			FINISHED 31-Dec-98 23:57:00	4.81	5 10:57:00	747.81
41	S275 Unipro Ocean Road	Kenneth Simpson	VIC		1		FINISHED 01-Jan-99 04:58:47	4.64	5 15:58:47	776.53
42	D34 Liquid Asset	Maurice Contessi	TAS		2		FINISHED 01-Jan-99 05:53:31	4.61	5 16:53:31	781.74
43	407 Allusive	John Smith	TAS		1		FINISHED 01-Jan-99 08:37:16	4.52	5 19:37:16	797.33
44	M678 Misty	Bryan Clague	VIC	F			FINISHED 01-Jan-99 18:39:04	4.21	6 05:39:04	854.61
45	8887 ABN AMRO Challenge	Ray Roberts	NSW	B			RETIRED 27-Dec-98 03:05:00	0	14:05:00	
46	9999 Assassin	Van Kretschmar / Crawford	NSW	B			RETIRED 27-Dec-98 03:05:00	0	14:05:00	
47	5785 Sledgehammer	Ron Jones	NSW	B			RETIRED 27-Dec-98 03:05:00	0	14:05:00	
48	6070 Sydney	Charles Curran	NSW	A			RETIRED 27-Dec-98 03:05:00	0	14:05:00	
49	5462 Innkeeper	Innkeeper Syndicate	NSW		1		RETIRED 27-Dec-98 14:05:00	1	01:05:00	
50	317 Kickatinalong	Mike De Berg	NSW		1		RETIRED 27-Dec-98 14:05:00	1	01:05:00	
51	4966 King Billy	Phillip Bennett	NSW	D			RETIRED 27-Dec-98 14:05:00	1	01:05:00	
52	SA999 Maglieri Wines	Brian Graves	QLD	B			RETIRED 27-Dec-98 14:05:00	1	01:05:00	
53	9431 Marchioness	Marchioness Syndicate	NSW		1		RETIRED 27-Dec-98 14:05:00	1	01:05:00	
54	HY1220 Red Jacket	Ron Lally	WA	C			RETIRED 27-Dec-98 14:05:00	1	01:05:00	
55	M180 Ruff N Tumble	Peter Hearnly	NSW	E			RETIRED 27-Dec-98 14:05:00	1	01:05:00	
56	5474 Team Jaguar Infinity III	Martin James	NSW		1		RETIRED 27-Dec-98 14:05:00	1	01:05:00	
57	YC4882 VC Offshore Stand Aside	James Hallion	SA		1		RETIRED 27-Dec-98 14:05:00	1	01:05:00	
58	A16 Wide Load	Warren Anderson	NSW		1		RETIRED 27-Dec-98 14:05:00	1	01:05:00	
59	M10 Wild Thing	Grant Wharrington	VIC	A			RETIRED 27-Dec-98 14:05:00	1	01:05:00	
60	588 Adagio	Peter Williams	TAS		2		RETIRED 28-Dec-98 03:05:00	1	14:05:00	
61	3807 Alexander of Creswell	Warren Hellwig	ACT	F			RETIRED 28-Dec-98 03:05:00	1	14:05:00	
62	WS91 Antuka	Raymond Semmens	VIC		1		RETIRED 28-Dec-98 03:05:00	1	14:05:00	
63	8889 B-52	Wayne Millar	QLD		1		RETIRED 28-Dec-98 03:05:00	1	14:05:00	
64	5444 Bobsled	Paul White	QLD		1		RETIRED 28-Dec-98 03:05:00	1	14:05:00	
65	1987 Bright Morning Star	Hugh Treharne	NSW		1		RETIRED 28-Dec-98 03:05:00	1	14:05:00	
66	5466 Business Post Naiad	Bruce Guy	TAS	C			RETIRED 28-Dec-98 03:05:00	1	14:05:00	
67	780 Canon Maris	Ian Kiernan	NSW	F			RETIRED 28-Dec-98 03:05:00	1	14:05:00	
68	5090 Cyclone	Stephen Keal	TAS		1		RETIRED 28-Dec-98 03:05:00	1	14:05:00	
69	PNG 6 Dixie Chicken	Liz Wardley	NSW		1		RETIRED 28-Dec-98 03:05:00	1	14:05:00	
70	6812 Elysion Blue	Dominic Barbat	FIN		1		RETIRED 28-Dec-98 03:05:00	1	14:05:00	

**CYCA 1998 Telstra Sydney - Hobart Yacht Race  
FINAL - Line Honours Results**

Scr Pos	SailNo Name	Owner / Skipper	State	IMS Div	PHS Div	CHS Div	Date Time	VMG kt	Elapsed Time	Elapsed Sec/Mile
71	PNG 1888 Hi Flyer	Carol Turnbull	PNG			1	RETIRED 28-Dec-98 03:05:00		1 14:05:00	
72	2557 Hogsbreath Witchdoctor	Rum Consortium	NSW		2		RETIRED 28-Dec-98 03:05:00		1 14:05:00	
73	MH106 Impeccable	John Walker	NSW			1	RETIRED 28-Dec-98 03:05:00		1 14:05:00	
74	M19 Indian Pacific	Wayne Reynolds	VIC		2		RETIRED 28-Dec-98 03:05:00		1 14:05:00	
75	3838 Jack Guy	Gordon Ketelbey	NSW		2		RETIRED 28-Dec-98 03:05:00		1 14:05:00	
76	9000 Midnight Special	Peter Baynes	NSW	D			RETIRED 28-Dec-98 03:05:00		1 14:05:00	
77	5838 Miintinta	Brian Emerson	NSW		2		RETIRED 28-Dec-98 03:05:00		1 14:05:00	
78	9797 Ninety Seven	Graham Gibson	NSW	B			RETIRED 28-Dec-98 03:05:00		1 14:05:00	
79	5521 Not Negotiable	Michael Dolphin	VIC	F			RETIRED 28-Dec-98 03:05:00		1 14:05:00	
80	RQ2000 Ocean Designs	Stephen Bean	QLD			1	RETIRED 28-Dec-98 03:05:00		1 14:05:00	
81	533 Pippin	David Taylor	NSW	D			RETIRED 28-Dec-98 03:05:00		1 14:05:00	
82	4000 Sagacious V	Peter Davis / Hamilton	NSW	C			RETIRED 28-Dec-98 03:05:00		1 14:05:00	
83	242 Sea Jay	Scott Wheelhouse	NSW			1	RETIRED 28-Dec-98 03:05:00		1 14:05:00	
84	SA3300 Secret Mens Business	Geoff Boettcher	SA	B			RETIRED 28-Dec-98 03:05:00		1 14:05:00	
85	99 Siena	Iain Moray	NSW			1	RETIRED 28-Dec-98 03:05:00		1 14:05:00	
86	M2000 Solo Globe Challenger	Tony Mowbray	NSW		1		RETIRED 28-Dec-98 03:05:00		1 14:05:00	
87	38 Southerly	Don Mickleborough	NSW	F			RETIRED 28-Dec-98 03:05:00		1 14:05:00	
88	2006 Sword of Orion	Rob Kothe	NSW	B			RETIRED 28-Dec-98 03:05:00		1 14:05:00	
89	A55 T42 Solandra	Craig Escott	TAS	F			RETIRED 28-Dec-98 03:05:00		1 14:05:00	
90	2919 Tenacious	Selwyn Enoch	NSW		2		RETIRED 28-Dec-98 03:05:00		1 14:05:00	
91	3946 Trust Bank Hummingbird	Errol Pyke	TAS	D			RETIRED 28-Dec-98 03:05:00		1 14:05:00	
92	27 Winston Churchill	Richard Winning	NSW	F			RETIRED 28-Dec-98 03:05:00		1 14:05:00	
93	327 Zeus II	James Dunstan	NSW	F			RETIRED 28-Dec-98 03:05:00		1 14:05:00	
94	RQ23 Boomaroo Morse Fans	John McIntosh	QLD	F			RETIRED 28-Dec-98 14:05:00		2 01:05:00	
95	R33 Chutzpah	Bruce Taylor	VIC	D			RETIRED 28-Dec-98 14:05:00		2 01:05:00	
96	7314 Forzado	Geoff Phillips	NSW	D			RETIRED 28-Dec-98 14:05:00		2 01:05:00	
97	C2 Gundy Grey	Robert Green	ACT		1		RETIRED 28-Dec-98 14:05:00		2 01:05:00	
98	GBR4640R Hawk 5	Nigel Bramwell	NSW	B			RETIRED 28-Dec-98 14:05:00		2 01:05:00	
99	M762 Inner Circle	Dennis Pomfret	NSW	C			RETIRED 28-Dec-98 14:05:00		2 01:05:00	
100	B23 Kingurra	Peter Joubert	VIC		2		RETIRED 28-Dec-98 14:05:00		2 01:05:00	
101	3809 Lady Penrhyn	Ian McPherson	NSW		2		RETIRED 28-Dec-98 14:05:00		2 01:05:00	
102	3144 Loki	Stephen Ainsworth	NSW			1	RETIRED 28-Dec-98 14:05:00		2 01:05:00	
103	5488 Morning Tide	Alan Fenwick	NSW	F			RETIRED 28-Dec-98 14:05:00		2 01:05:00	
104	1999 Nattel Adrenalin	David Bennett	NSW		2		RETIRED 28-Dec-98 14:05:00		2 01:05:00	
105	M236 New Horizons	Michael Kelaher	NSW		2		RETIRED 28-Dec-98 14:05:00		2 01:05:00	

**CYCA 1998 Telstra Sydney - Hobart Yacht Race  
FINAL - Line Honours Results**

Scr Pos	SailNo Name	Owner / Skipper	State	IMS Div	PHS Div	CHS Div	Date Time	VMG kt	Elapsed Time	Elapsed Sec/Mile
106	R17 Outlaw	Alan Quick	NSW		1		28-Dec-98 14:05:00		2 01:05:00	
107	4337 Relish IV	Bill Bailey	NSW		2		28-Dec-98 14:05:00		2 01:05:00	
108	SA98 Renegade	Robert Francis	SA	E			28-Dec-98 14:05:00		2 01:05:00	
109	4100 Terra Firma	Nieman / Bartels	VIC	B			28-Dec-98 14:05:00		2 01:05:00	
110	R133 Vagrant	Arch Waters	VIC			1	28-Dec-98 14:05:00		2 01:05:00	
111	5643 Veto	Graham Brown	NSW	F			28-Dec-98 14:05:00		2 01:05:00	
112	5659 Antipodes Sydney	Geoff Hill	NSW	C			29-Dec-98 03:05:00		2 14:05:00	
113	7633 Bin Rouge	Darryl Hodgkinson	NSW	D			29-Dec-98 03:05:00		2 14:05:00	
114	4924 She II	Peter Rodgers	NSW		1		29-Dec-98 03:05:00		2 14:05:00	
115	3846 Tartan	Mark Ballard	TAS		2		31-Dec-98 07:05:00		4 18:05:00	



# CYCA 1998 Telstra Sydney - Hobart Yacht Race

## FINAL - IMS Overall Results

Hcp Pos	SailNo Name	Owner / Skipper	State	IMS Div	Date Time	VMG kt	Elapsed Time	IMS TCF	IMS Corr Speed	IMS Corr Time
1	8338 AFR Midnight Rambler	Ed Psaltis / Bob Thomas	NSW	D	30-Dec-98 05:04:40	7.16	3 16:04:40	0.6881	10.40	2 12:36:23
2	YC1000 Ausmaid	Kevan Pearce	SA	B	29-Dec-98 19:02:29	8.08	3 06:02:29	0.8034	10.05	2 14:41:54
3	AUS70 Ragamuffin	Syd Fischer	NSW	B	29-Dec-98 19:11:29	8.06	3 06:11:29	0.8224	9.80	2 16:18:17
4	9090 Industrial Quest	Kevin Miller	QLD	B	30-Dec-98 03:58:45	7.25	3 14:58:45	0.7649	9.48	2 18:31:49
5	US17 Sayonara	Larry Ellison	USA	A	29-Dec-98 08:03:32	9.40	2 19:03:32	1.0000	9.40	2 19:03:32
6	IRL8000 Atara	Roger Hickman	NSW	B	30-Dec-98 05:33:04	7.12	3 16:33:04	0.7628	9.33	2 19:32:48
7	6606 Quest	Bob Steel	NSW	B	30-Dec-98 03:41:28	7.27	3 14:41:28	0.7881	9.23	2 20:19:17
8	2170 Margaret Rintoul II	Richard Purcell	NSW	E	30-Dec-98 12:13:57	6.62	3 23:13:57	0.7212	9.18	2 20:40:54
9	C1 Brindabella	George Snow	NSW	A	29-Dec-98 10:55:06	9.02	2 21:55:06	0.9882	9.12	2 21:05:36
10	SM377 Bacardi	Ainley / Williams	VIC	E	30-Dec-98 12:54:01	6.57	3 23:54:01	0.7243	9.08	2 21:27:38
11	1993 Yendys	Geoff Ross	NSW	C	30-Dec-98 05:09:33	7.15	3 16:09:33	0.7957	8.99	2 22:08:54
12	4057 Aurora	Jim Holly	NSW	C	30-Dec-98 23:05:30	5.94	4 10:05:30	0.7012	8.47	3 02:23:29
13	1224 Mercedes IV	Peter Stronach	NSW	E	30-Dec-98 20:34:35	6.09	4 07:34:35	0.7193	8.46	3 02:30:09
14	A8 Mirrabooka	John Bennetto	TAS	E	30-Dec-98 15:21:03	6.41	4 02:21:03	0.7631	8.40	3 03:03:05
15	1195 Valheru	Anthony Lyall	TAS	C	30-Dec-98 12:44:54	6.58	3 23:44:54	0.7871	8.36	3 03:21:49
16	5669 Komatsu Blue Lady	Shane Kearns	NSW	E	31-Dec-98 17:03:55	5.08	5 04:03:55	0.6217	8.17	3 05:07:53
17	A113 Mark Twain	Hugh O'Neill	NSW	E	31-Dec-98 13:00:25	5.25	5 00:00:25	0.6626	7.93	3 07:31:00
18	5527 Polaris	John Quinn	NSW	E	31-Dec-98 11:07:44	5.34	4 22:07:44	0.6832	7.81	3 08:42:20
19	Sm 596 Breakaway	Martin Power	VIC	D	31-Dec-98 23:57:00	4.81	5 10:57:00	0.6397	7.53	3 11:46:07
20	5588 Rapsallion-Team Syntegra	Dick Voorderhake	NSW	B	31-Dec-98 06:56:44	5.53	4 17:56:44	0.7647	7.23	3 15:08:03
21	4527 She's Apples Two	Max Prentice	NSW	C	31-Dec-98 11:05:06	5.34	4 22:05:06	0.7380	7.23	3 15:08:48
22	N11 Noumea	Jean Luc Esplaas	Noumea	D	31-Dec-98 16:48:09	5.09	5 03:48:09	0.7283	6.99	3 18:09:55
23	M678 Misty	Bryan Clague	VIC	F	01-Jan-99 18:39:04	4.21	6 05:39:04	0.6083	6.92	3 19:01:58

**CYCA 1998 Telstra Sydney - Hobart Yacht Race  
FINAL - PHS Overall Results**

Hcp Pos	SailNo Name	Owner / Skipper	State	PHS Div	Date Time	VMG kt	Elapsed Time	PHS TCF	PHS Corr Speed	PHS Corr Time
1	371 Berrimilla	Alex Whitworth	NSW	2	31-Dec-98 11:20:40	5.33	4 22:20:40	0.8376	6.36	4 03:07:31
2	4826 Aspect Computing	David Pescud	NSW	1	30-Dec-98 04:28:24	7.21	3 15:28:24	1.1728	6.14	4 06:35:19
3	265 Waitangi II	David Wearn	NSW	2	31-Dec-98 13:53:11	5.21	5 00:53:11	0.8590	6.07	4 07:50:29
4	B409 Avanti	Chris / John Mooney	VIC	1	31-Dec-98 00:18:33	5.87	4 11:18:33	1.0300	5.70	4 14:31:42
5	SM1 Fudge	Peter Hansen	VIC	1	30-Dec-98 00:00:26	7.59	3 11:00:26	1.4215	5.34	4 21:59:41
6	125 Computerland	John Saul	TAS	1	30-Dec-98 08:19:57	6.90	3 19:19:57	1.3000	5.31	4 22:43:56
7	YC560 Doctel Rager	Gary Shanks	SA	1	30-Dec-98 06:51:40	7.02	3 17:51:40	1.3264	5.29	4 23:11:30
8	B116 Jubilation	David James	VIC	2	31-Dec-98 13:52:06	5.22	5 00:52:06	0.9900	5.27	4 23:39:35
9	D34 Liquid Asset	Maurice Contessi	TAS	2	01-Jan-99 05:53:31	4.61	5 16:53:31	0.8750	5.26	4 23:46:50
10	4168 Kendell	Jeff Cordell	TAS	2	31-Dec-98 11:30:57	5.32	4 22:30:57	1.0113	5.26	4 23:51:18
11	COK1 Nokia	David Witt	C.I.	1	29-Dec-98 22:19:00	7.75	3 09:19:00	1.4800	5.24	5 00:20:55
12	SA 93 Hesai II	Keith Flint	SA	1	30-Dec-98 08:21:26	6.90	3 19:21:26	1.3388	5.15	5 02:18:33
13	R1200 Spirit of Downunder	Lawrence Ford	VIC	1	30-Dec-98 17:55:36	6.25	4 04:55:36	1.2200	5.12	5 03:07:50
14	6074 Henry Kendall Akubra	Patrick Wilde	NSW	2	31-Dec-98 21:32:44	4.90	5 08:32:44	0.9913	4.95	5 07:25:38
15	S275 Unipro Ocean Road	Kenneth Simpson	VIC	1	01-Jan-99 04:58:47	4.64	5 15:58:47	1.1500	4.03	6 12:22:36
16	Sm 1995 Wild One	Gary Walker	VIC	1	31-Dec-98 14:10:09	5.20	5 01:10:09	1.3000	4.00	6 13:31:12
17	407 Allusive	John Smith	TAS	1	01-Jan-99 08:37:16	4.52	5 19:37:16	1.2300	3.67	7 03:44:02

## CYCA 1998 Telstra Sydney - Hobart Yacht Race FINAL - CHS Overall Results

Hcp Pos	SailNo Name	Owner / Skipper	State	CHS Div	Date Time	VMG kt	Elapsed Time	CHS TCF	CHS Corr Speed	CHS Corr Time
1	GRE49040 Aera	Nick Lykiardopulo	UK	1	30-Dec-98 13:37:46	6.52	4 00:37:46	1.0660	6.12	4 07:00:25
2	Sm 117 Tilting At Windmills	Thorry Gunnensen	VIC	1	30-Dec-98 23:07:04	5.94	4 10:07:04	1.0840	5.48	4 19:01:54
3	M250 Foxtel - Titan Ford	Hodder/Zemanek/Sorenson	NSW	1	30-Dec-98 07:01:45	7.00	3 18:01:45	1.3150	5.32	4 22:23:18
4	SM2 Challenge Again	Lou Abrahams	VIC	1	30-Dec-98 22:35:46	5.97	4 09:35:46	1.1480	5.20	5 01:13:28

# CYCA 1998 Telstra Sydney - Hobart Yacht Race

## FINAL - IMS Divisional Results

Hcp Pos	SailNo Name	Owner / Skipper	State	IMS Div	Date Time	VMG kt	Elapsed Time	IMS TCF	IMS Corr Speed	IMS Corr Time
1	US17 Sayonara	Larry Ellison	USA	A	29-Dec-98 08:03:32	9.40	2 19:03:32	1.0000	9.40	2 19:03:32
2	C1 Brindabella	George Snow	NSW	A	29-Dec-98 10:55:06	9.02	2 21:55:06	0.9882	9.12	2 21:05:36
1	YC1000 Ausmaid	Kevan Pearce	SA	B	29-Dec-98 19:02:29	8.08	3 06:02:29	0.8034	10.05	2 14:41:54
2	AUS70 Ragamuffin	Syd Fischer	NSW	B	29-Dec-98 19:11:29	8.06	3 06:11:29	0.8224	9.80	2 16:18:17
3	9090 Industrial Quest	Kevin Miller	QLD	B	30-Dec-98 03:58:45	7.25	3 14:58:45	0.7649	9.48	2 18:31:49
4	IRL8000 Atara	Roger Hickman	NSW	B	30-Dec-98 05:33:04	7.12	3 16:33:04	0.7628	9.33	2 19:32:48
5	6606 Quest	Bob Steel	NSW	B	30-Dec-98 03:41:28	7.27	3 14:41:28	0.7881	9.23	2 20:19:17
6	5588 Rapsallion-Team Syntegra	Dick Voorderhake	NSW	B	31-Dec-98 06:56:44	5.53	4 17:56:44	0.7647	7.23	3 15:08:03
1	1993 Yendys	Geoff Ross	NSW	C	30-Dec-98 05:09:33	7.15	3 16:09:33	0.7957	8.99	2 22:08:54
2	4057 Aurora	Jim Holly	NSW	C	30-Dec-98 23:05:30	5.94	4 10:05:30	0.7012	8.47	3 02:23:29
3	1195 Valheru	Anthony Lyall	TAS	C	30-Dec-98 12:44:54	6.58	3 23:44:54	0.7871	8.36	3 03:21:49
1	8338 AFR Midnight Rambler	Ed Psaltis / Bob Thomas	NSW	D	30-Dec-98 05:04:40	7.16	3 16:04:40	0.6881	10.40	2 12:36:23
2	Sm 596 Breakaway	Martin Power	VIC	D	31-Dec-98 23:57:00	4.81	5 10:57:00	0.6397	7.53	3 11:46:07
3	N11 Noumea	Jean Luc Esplaas	Noumea	D	31-Dec-98 16:48:09	5.09	5 03:48:09	0.7283	6.99	3 18:09:55
1	2170 Margaret Rintoul II	Richard Purcell	NSW	E	30-Dec-98 12:13:57	6.62	3 23:13:57	0.7212	9.18	2 20:40:54
2	SM377 Bacardi	Ainley / Williams	VIC	E	30-Dec-98 12:54:01	6.57	3 23:54:01	0.7243	9.08	2 21:27:38
3	1224 Mercedes IV	Peter Stronach	NSW	E	30-Dec-98 20:34:35	6.09	4 07:34:35	0.7193	8.46	3 02:30:09
4	A8 Mirrabooka	John Bennetto	TAS	E	30-Dec-98 15:21:03	6.41	4 02:21:03	0.7631	8.40	3 03:03:05
5	5669 Komatsu Blue Lady	Shane Kearns	NSW	E	31-Dec-98 17:03:55	5.08	5 04:03:55	0.6217	8.17	3 05:07:53
6	A113 Mark Twain	Hugh O'Neill	NSW	E	31-Dec-98 13:00:25	5.25	5 00:00:25	0.6626	7.93	3 07:31:00
7	5527 Polaris	John Quinn	NSW	E	31-Dec-98 11:07:44	5.34	4 22:07:44	0.6832	7.81	3 08:42:20
1	M678 Misty	Bryan Clague	VIC	F	01-Jan-99 18:39:04	4.21	6 05:39:04	0.6083	6.92	3 19:01:58



# CYCA 1998 Telstra Sydney - Hobart Yacht Race

## FINAL - PHS Divisional Results

Hcp Pos	SailNo Name	Owner / Skipper	State	PHS Div	Date Time	VMG kt	Elapsed Time	PHS TCF	PHS Corr Speed	PHS Corr Time
1	4826 Aspect Computing	David Pescud	NSW	1	30-Dec-98 04:28:24	7.21	3 15:28:24	1.1728	6.14	4 06:35:19
2	B409 Avanti	Chris / John Mooney	VIC	1	31-Dec-98 00:18:33	5.87	4 11:18:33	1.0300	5.70	4 14:31:42
3	SM1 Fudge	Peter Hansen	VIC	1	30-Dec-98 00:00:26	7.59	3 11:00:26	1.4215	5.34	4 21:59:41
4	125 Computerland	John Saul	TAS	1	30-Dec-98 08:19:57	6.90	3 19:19:57	1.3000	5.31	4 22:43:56
5	YC560 Doctel Rager	Gary Shanks	SA	1	30-Dec-98 06:51:40	7.02	3 17:51:40	1.3264	5.29	4 23:11:30
6	COK1 Nokia	David Witt	C.I.	1	29-Dec-98 22:19:00	7.75	3 09:19:00	1.4800	5.24	5 00:20:55
7	SA 93 Helsal II	Keith Flint	SA	1	30-Dec-98 08:21:26	6.90	3 19:21:26	1.3388	5.15	5 02:18:33
8	R1200 Spirit of Downunder	Lawrence Ford	VIC	1	30-Dec-98 17:55:36	6.25	4 04:55:36	1.2200	5.12	5 03:07:50
9	S275 Unipro Ocean Road	Kenneth Simpson	VIC	1	01-Jan-99 04:58:47	4.64	5 15:58:47	1.1500	4.03	6 12:22:36
10	Sm 1995 Wild One	Gary Walker	VIC	1	31-Dec-98 14:10:09	5.20	5 01:10:09	1.3000	4.00	6 13:31:12
11	407 Allusive	John Smith	TAS	1	01-Jan-99 08:37:16	4.52	5 19:37:16	1.2300	3.67	7 03:44:02
1	371 Berrimilla	Alex Whitworth	NSW	2	31-Dec-98 11:20:40	5.33	4 22:20:40	0.8376	6.36	4 03:07:31
2	265 Waitangi II	David Wearn	NSW	2	31-Dec-98 13:53:11	5.21	5 00:53:11	0.8590	6.07	4 07:50:29
3	B116 Jubilation	David James	VIC	2	31-Dec-98 13:52:06	5.22	5 00:52:06	0.9900	5.27	4 23:39:35
4	D34 Liquid Asset	Maurice Contessi	TAS	2	01-Jan-99 05:53:31	4.61	5 16:53:31	0.8750	5.26	4 23:46:50
5	4168 Kendell	Jeff Cordell	TAS	2	31-Dec-98 11:30:57	5.32	4 22:30:57	1.0113	5.26	4 23:51:18
6	6074 Henry Kendall Akubra	Patrick Wilde	NSW	2	31-Dec-98 21:32:44	4.90	5 08:32:44	0.9913	4.95	5 07:25:38