MAFL Funds : Season 2007

Where Statistics Meets Leather and Grass

19 August 2007

Season 2007, Number 20.1

Hawks Only Losing Favourites

In this Edition of the newsletter:

- **Results of wagers and tips for Round 20**
- **Monkey Update**
- **Have We Been Lucky?**
- **The Alternative Premierships**

Collingwood v Melbourne
MCG
17th August, 7:40pm

Head-to-Head
Col $1.57 / Mel $2.30
(Collingwood 57-64%)

Line Betting
Collingwood -8½ pts

Heritage Fund Bet
-

Alpha Fund Bet
-

Beta Fund Bet
-

Line Fund Bet
-

Collingwood 11.15 (81)
def.
Melbourne 9.16 (70)

Line Betting
Collingwood by 2½ pts

St Kilda v Fremantle
Telstra Dome
18th August, 2:10pm

Head-to-Head
StK $1.65 / Fre $2.15
(St Kilda 54-61%)

Line Betting
St Kilda -7½ pts

Heritage Fund Bet
-

Alpha Fund Bet
-

Beta Fund Bet
-

Line Fund Bet
LOST 7.78% (6.78%)

St Kilda 19.12 (126)
def.
Fremantle 14.12 (96)

Line Betting
St Kilda by 22½ pts

Carlton v Essendon
MCG
18th August, 2:10pm

Head-to-Head
Car $2.45 / Ess $1.50
(Essendon 59-67%)

Line Betting
Carlton +13½ pts

Heritage Fund Bet
LOST 7.97% (4.75%)

Alpha Fund Bet
LOST 3.11% (2.88%)

Beta Fund Bet
-

Line Fund Bet
-

Essendon 18.10 (118)
def.
Carlton 16.12 (108)

Line Betting
Carlton by 3½ pts

Brisbane Lions v Sydney
Gabba
18th August, 7:10pm

Head-to-Head
Bri $2.05 / Syd $1.70
(Sydney 51-59%)

Line Betting
Brisbane +5½ pts

Heritage Fund Bet
-

Alpha Fund Bet
WON 0.01% (0.01%)

Beta Fund Bet
WON 0.11% (0.14%)

Line Fund Bet
-

Brisbane Lions 9.9 (63)
drew with
Sydney 8.15 (63)

Line Betting
Brisbane by 5½ pts

West Coast v Richmond
Subiaco
18th August, 5:40pm

Head-to-Head
WC $1.09 / Ric $6.50
(West Coast 85-92%)

Line Betting
West Coast -39½ pts

Heritage Fund Bet
-

Alpha Fund Bet
-

Beta Fund Bet
-

Line Fund Bet
-

West Coast 18.9 (117)
def.
Richmond 12.14 (86)

Line Betting
Richmond by 8½ pts

Hawthorn v Port Adelaide
Aurora Stadium
19th August, 1:10pm

Head-to-Head
Haw $1.55 / PA $2.35
(Hawthorn 57-65%)

Line Betting
Hawthorn -10½ pts

Heritage Fund Bet
WON 4.00% (2.38%)

Alpha Fund Bet
-

Beta Fund Bet
-

Line Fund Bet
-

Port Adelaide 12.15 (87)
def.
Hawthorn 12.10 (82)

Line Betting
Port Adelaide by 15½ pts

Kangaroos v Geelong
Telstra Dome
19th August, 2:10pm

Head-to-Head
Kan $3.60 / Gee $1.26
(Geelong 72-79%)

Line Betting
Kangaroos +22½ pts

Heritage Fund Bet
LOST 8.52% (5.08%)

Alpha Fund Bet
-

Beta Fund Bet
-

Line Fund Bet
-

Geelong 17.16 (118)
def.
Kangaroos 13.13 (91)

Line Betting
Geelong by 5½ pts

Adelaide v Bulldogs
Football Park
19th August, 4:10pm

Head-to-Head
Ade $1.20 / WB $4.25
(Adelaide 77-83%)

Line Betting
Adelaide -25½ pts

Heritage Fund Bet
-

Alpha Fund Bet
-

Beta Fund Bet
-

Line Fund Bet
LOST 7.78% (6.78%)

Adelaide 15.17 (107)
def.
Bulldogs 11.7 (73)

Line Betting
Adelaide by 8½ pts

Win Some ...

Statisticians often refer to a phenomenon called "regression to the mean", which describes the tendency for very good results to be followed by less good results and very bad results to be followed by less bad results. It's the reason why your second trip to a fantastic restaurant is rarely as good as your first (and why you should always make a second visit to a restaurant at which your first visit was unsatisfactory).

It's also the phenomenon that MAFL Investors have suffered this week, with last week's highly profitable wagering being followed by a week of unprofitable wagering in which only 3 of 8 bets returned a profit, two of those barely managing to do even that.

In probably the most disappointing result, Carlton let a 29-point lead slip away, conceding the last three goals of the game to lose by 10 points, thereby providing "tank" conspiracists with yet more 'evidence'.

Our two wins were, in truth, relatively lucky outcomes with Brisbane and Port Adelaide both landing goals in the dying seconds of their games, in Brisbane's case to level the scores, and in Port's to snatch an unlikely victory.

In other bets, the Roos were in the hunt for much of the game, before a 3rd quarter surge by the Cats snuffed any hopes we had of a return, Freo also were blown away in the 3rd, and the Bulldogs went within about 5 minutes of securing our Line bet.

Here's what we have:

Results of Round 20 Wagers

Heritage Fund — ROI (64.2%)

	Bet*	Price	Net Return*	
Carlton	7.97%	$2.45	(8.0%)	Lost by 10 pts
Port Adelaide	2.96%	$2.35	4.0%	Won by 5 pts
Kangaroos	8.52%	$3.60	(8.5%)	Lost by 27 pts
Total	19.5%		(12.5%)	

Alpha Fund — ROI (86.3%)

	Bet*	Price	Net Return*	
Carlton	3.11%	$2.45	(3.1%)	Lost by 10 pts
Brisbane Lions	0.48%	$2.05	0.0%	Drew
Total	3.6%		(3.1%)	

Beta Fund — ROI 2.5%

	Bet*	Price	Net Return*	
Brisbane Lions	4.38%	$2.05	0.1%	Drew
Total	4.4%		0.1%	

Line Fund — ROI (100.0%)

	Bet*	Price	Net Return*	
Fremantle	7.78%	$1.90	(7.8%)	Lost by 22½ pts
Bulldogs	7.78%	$1.90	(7.8%)	Lost by 8½ pts
Total	7.8%		(7.8%)	

Investor Returns

	Bet*	Net Return*	ROI
Strategy A	4.67%	(3.28%)	(70.20%)
Strategy B	6.81%	(5.07%)	(74.45%)
Strategy C	6.61%	(4.53%)	(68.44%)
Strategy C+	13.23%	(9.05%)	(68.44%)
Strategy D	7.78%	(7.78%)	(100.00%)
Strategy E	5.45%	(4.05%)	(74.45%)

* all bets and net returns are calculated as a percentage of Notional Initial Funds

For most Investors losses were in the 3-5% range, though Investors in Strategies C+ and D fared a little worse than that. The losses for Strategy D Investors were enough to drive them back into overall loss for the season, albeit narrowly, as the following chart shows.

Cumulative Returns of Major Strategies
(all returns are as a % of Total Notional Initial Funds)
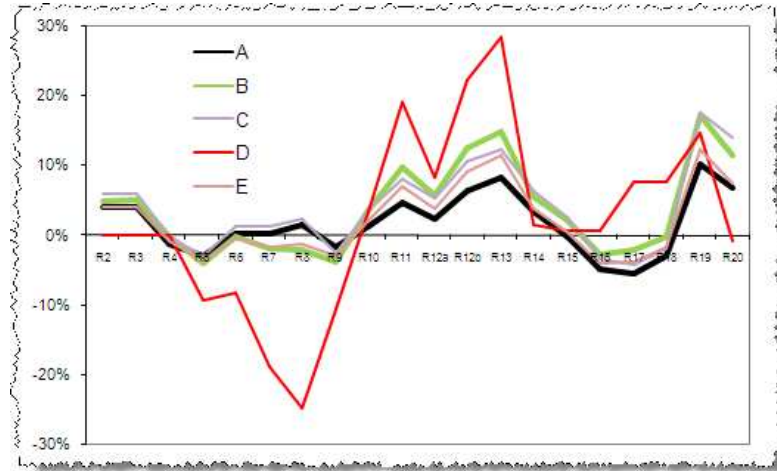
In terms of numbers, here's how each of the strategies is currently faring:

Overall Fund Performance

	Heritage	Alpha	Beta	Line
Fund Return	+55.22%	+4.68%	(-21.60%)	(-0.85%)

Joined [Swapped]	Strategy	Heritage	Alpha	Beta	Line	Overall Return
		(Percentage in each Fund)				
Pre-Season	A*	20%	35%	35%	10%	+5.04%
Pre-Season	B	25%	25%	25%	25%	+9.36%
Pre-Season	C	30%	30%	30%	10%	+11.41%
Pre-Season	D	0%	0%	0%	100%	(-0.85%)
Pre-Season	E	20%	30%	30%	20%	+5.80%
Round 6	A*	20%	35%	35%	10%	+13.23%
Pre-Season [Round 7 & 10]	A ▶ C ▶ A	20%	35%	35%	10%	+9.14%
Pre-Season [Round 13]	C ▶ C+	60%	10%	10%	20%	+23.31%

Recommended portfolio weightings

It's been some time since we looked at the team-by-team, Fund-by-Fund statistics.

Firstly, here are the Heritage and Alpha Fund statistics:

HERITAGE FUND

	Bets	Win	Loss	% Outlayed	ROI	% RONF
Adelaide	2	2	0	11.6%	174.5%	20.2%
Brisbane Lions	2	1	1	6.7%	26.3%	2.2%
Carlton	12	3	9	68.4%	(34.7%)	(22.1%)
Collingwood	2	1	1	10.9%	27.6%	4.0%
Essendon	4	2	2	24.9%	7.8%	2.0%
Fremantle	2	0	2	4.7%	(100.0%)	(3.4%)
Geelong	0	0	0	0.0%	0.0%	0.0%
Hawthorn	5	3	2	24.0%	58.2%	13.3%
Kangaroos	6	3	3	35.9%	10.6%	2.2%
Melbourne	6	2	4	35.1%	(7.3%)	(3.8%)
Port Adelaide	1	1	0	3.0%	135.0%	4.0%
Richmond	7	2	5	59.3%	81.6%	44.5%
St Kilda	2	1	1	10.8%	(5.6%)	(0.6%)
Sydney	0	0	0	0.0%	0.0%	0.0%
West Coast	0	0	0	0.0%	0.0%	0.0%
Western Bulldogs	3	1	2	25.5%	(23.6%)	(6.0%)
Total	54	22	32	320.9%	17.2%	55.2%

ALPHA FUND

	Bets	Win	Loss	% Outlayed	ROI	% RONF
Adelaide	0	0	0	0.0%	0.0%	0.0%
Brisbane Lions	1	1	0	0.5%	2.5%	0.0%
Carlton	1	0	1	3.1%	(100.0%)	(3.1%)
Collingwood	1	1	0	2.5%	40.0%	1.0%
Essendon	0	0	0	0.0%	0.0%	0.0%
Fremantle	1	1	0	2.7%	86.0%	2.3%
Geelong	0	0	0	0.0%	0.0%	0.0%
Hawthorn	1	1	0	1.7%	120.0%	2.0%
Kangaroos	0	0	0	0.0%	0.0%	0.0%
Melbourne	1	0	1	2.3%	(100.0%)	(2.3%)
Port Adelaide	0	0	0	0.0%	0.0%	0.0%
Richmond	0	0	0	0.0%	0.0%	0.0%
St Kilda	0	0	0	0.0%	0.0%	0.0%
Sydney	1	1	0	7.3%	65.0%	4.8%
West Coast	0	0	0	0.0%	0.0%	0.0%
Western Bulldogs	0	0	0	0.0%	0.0%	0.0%
Total	7	5	2	20.1%	22.6%	4.7%

As you can see, Carlton are the only team with a significantly negative RONF in the Heritage Fund on the back of 12 bets for only 3 wins. In contrast, Richmond (of course), Adelaide and Hawthorn have been the major contributors to the Heritage Fund's success. All up the Heritage Fund has made 54 bets for 22 winners (41%), with an ROI of 17.2%, turning Notional Initial Funds (NIF) 3 times in the process.

The Alpha Fund has only wagered on 7 teams, and on just two of them – Carlton and Melbourne – has it been unsuccessful. It's made 7 bets for 5 wins (71%), with a 22.6% ROI and an NIF turn of just 0.2.

Next, let's take a look at the Beta Fund and Line Fund statistics:

BETA FUND	Bets	Win	Loss	% Outlayed	ROI	% RONF		LINE FUND	Bets	Win	Loss	% Outlayed	ROI	% RONF
Adelaide	1	1	0	3.2%	148.0%	4.8%		Adelaide	1	1	0	7.8%	90.0%	7.0%
Brisbane Lions	3	2	1	8.1%	0.1%	(0.0%)		Brisbane Lions	1	0	1	7.0%	(100.0%)	(7.0%)
Carlton	0	0	0	0.0%	0.0%	0.0%		Carlton	5	3	2	34.0%	13.5%	4.6%
Collingwood	2	1	1	5.4%	(32.1%)	(1.9%)		Collingwood	3	2	1	21.5%	35.6%	8.1%
Essendon	1	1	0	5.9%	55.0%	3.3%		Essendon	3	0	3	15.8%	(100.0%)	(15.8%)
Fremantle	2	0	2	8.3%	(100.0%)	(8.3%)		Fremantle	3	0	3	21.5%	(100.0%)	(21.5%)
Geelong	0	0	0	0.0%	0.0%	0.0%		Geelong	0	0	0	0.0%	0.0%	0.0%
Hawthorn	1	1	0	2.0%	80.0%	1.6%		Hawthorn	3	1	2	23.3%	(35.1%)	(8.6%)
Kangaroos	0	0	0	0.0%	0.0%	0.0%		Kangaroos	3	3	0	23.3%	90.0%	21.0%
Melbourne	1	0	1	4.1%	(100.0%)	(4.1%)		Melbourne	5	4	1	38.9%	55.6%	20.2%
Port Adelaide	1	0	1	8.3%	(100.0%)	(8.3%)		Port Adelaide	0	0	0	0.0%	0.0%	0.0%
Richmond	1	0	1	6.0%	(100.0%)	(6.0%)		Richmond	3	2	1	23.3%	26.5%	6.2%
St Kilda	1	0	1	0.9%	(100.0%)	(0.9%)		St Kilda	3	1	2	21.5%	(28.1%)	(6.7%)
Sydney	1	0	1	1.7%	(100.0%)	(1.7%)		Sydney	1	1	0	5.6%	82.0%	4.6%
West Coast	0	0	0	0.0%	0.0%	0.0%		West Coast	2	1	1	13.4%	10.4%	1.4%
Western Bulldogs	0	0	0	0.0%	0.0%	0.0%		Western Bulldogs	2	0	2	14.5%	(100.0%)	(14.5%)
Total	15	6	9	54.0%	(43.0%)	(21.6%)		Total	38	19	19	271.4%	0.0%	(0.8%)

The Beta Fund owes it losses mostly to Fremantle, Port Adelaide, Richmond and Melbourne, and its (limited) successes to Adelaide, Essendon and Hawthorn. It has made 15 bets for 6 winners (40%), recording a negative 43% ROI and turning NIF 0.54 times.

Success for the Line Fund has come largely from the Roos, Melbourne, with Essendon, Freo and the Bulldogs inflicting the largest losses. This Fund has made 38 bets for 19 winners (50%), has a roughly breakeven ROI and a NIF turn of 2.71.

Not So Hard To Tip After All

What appeared to be a tough round to tip turned out to be one of the season's easiest, with our regular tipsters averaging 5.58 tips from 8.

Amongst our leading tipsters, BKB tipped 6½ , Chi scored 5½, and MM15 and MM16 managed only 4½.

Here's the detail:

Tips from all the Tipping Models
(see Appendix for each MM Model's strategy)

Matchup	Head to Head				Line	
	Chi	Quila	BKB	CTL	Chi	Quila
Col v Mel						
StK v Fre						
Car v Ess						
Bri v Syd	½	½	½	½		
WC v Ric						
Haw v PA						
Kan v Gee						
Ade v WB						
This Week	5½	6½	6½	5½	5	5
Score	99.5	90.5	106.5	91.5	72	68

All of which leaves the cumulative results looking like this:

Cumulative Tipping Results

	Cum	% Correct	Av Pred Err
BKB	106.5	66.6%	28.02
MM15	103.5	64.7%	-
MM16	102.5	64.1%	-
MM14	101.5	63.4%	-
CTM	99.5	62.2%	29.53
MM21	98.5	61.6%	-
MM7	96.5	60.3%	-
MM12	96.5	60.3%	-
MM13	96.5	60.3%	-
MM18	96.5	60.3%	-
MM20	96.5	60.3%	-
MM9	95.5	59.7%	-
MM10	95.5	59.7%	-
MM17	95.5	59.7%	-
MM19	95.5	59.7%	-
MM4	94.5	59.1%	-
MM8	93.5	58.4%	-
MM8	93.5	58.4%	-
MM22	93.5	58.4%	-
MM11	92.5	57.8%	-
NIT	92.5	57.8%	-
CTL	91.5	57.2%	-
MM6	91.5	57.2%	-
MM5	91.5	57.2%	-
QTM	90.5	56.6%	31.14
MM3	89.5	55.9%	-
MM2	82.5	51.6%	-

So, BKB now leads the field by 3 tips and is looking hard to catch; Chi also trails MM16 by just 3 tips.

Before we jump to the Monkey Update, I just want to make you aware of one more extraordinary aspect of the Geelong season: their Line Betting results.

	Total Wins	Give Start	Win - Giving	Get Start	Win - Getting
Adelaide	10	14	5	6	5
Brisbane Lions	11	9	6	11	5
Carlton	9	1	1	19	8
Collingwood	11	11	5	9	6
Essendon	7	7	1	13	6
Fremantle	8	10	5	10	3
Geelong	16	18	15	2	1
Hawthorn	11	10	5	10	6
Kangaroos	13	5	4	15	9
Melbourne	8	4	1	16	7
Port Adelaide	10	14	7	6	3
Richmond	8	1	0	19	8
St Kilda	10	9	3	11	7
Sydney	9	16	8	4	1
West Coast	9	17	7	3	2
Western Bulldogs	10	14	8	6	2
	160	160	81	160	79

The table at left shows that Geelong have given start in 18 of the 20 rounds so far this season and in 15 of those 18 games it has managed to cover the spread. Not even the bookies, it seems, can accurately estimate Geelong's dominance.

Monkey Update

Chi's 5½ from 8 was enough to kick his M10 score up to a season-high 64, while MM16's 4½ from 8 dropped its M10 score back to 335.

M10 Scores for Chi and MM16
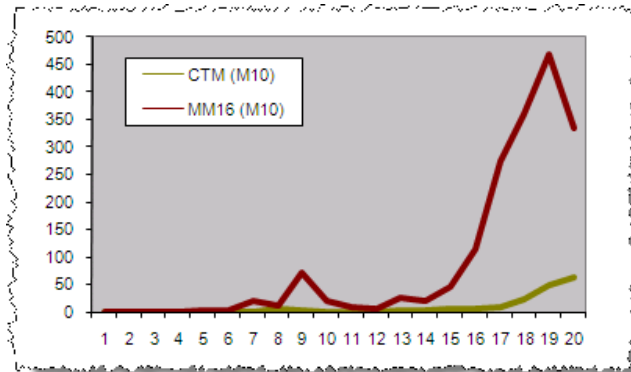
Have We Been Lucky?

Statisticians are always asking themselves 'How likely is it that what I've seen is just due to chance?'. This can make them frustratingly difficult to impress, but it also makes them less likely to wrongly attribute superior ability to that which has been achieved through sheer luck.

This same question is what motivates the M10 score – the more monkeys you need tipping at random to make the probability 10% that one or more of them will match or better a specified tipping performance, the less likely it seems that the performance is due to chance. Note that you can never absolutely rule out chance, you can only assess it to be an extremely implausible explanation.

So, it's time to ask the question: Could our head-to-head betting results be attributed to pure chance?

For this purpose I'm going to combine our Heritage, Alpha and Beta Fund results, and I'm going to focus on ROI as the measure of success. To date this year, the combined ROI on our Heritage, Alpha and Beta Fund wagers is 5.88%.

Now, a tough question: what does 'chance' wagering look like? This is a seriously deep question, and one to which I think there's no obvious answer. For now, I'm going to define two bettors who are about as random as I can imagine:

Bettor #1: Bets $1 on every game on a randomly selected team

Bettor #2: Bets a random amount between $0 and $1 (uniformly distributed) on every game on a randomly selected team

How then, we ask, would bettors of type #1 and type #2 have fared this season? To determine this we simulate their betting strategy, running 1,000s of replicates of the season. In each replicate, for each game we randomly select a team and, for Bettor #2, randomly select an amount to wager. Then we tot up the wins and losses across the replicated season, calculate the ROI, and then do it all again for another replicate.

After doing this we find the following:

Bettor #1 has a season-average ROI of (4.88%), a worst-case ROI of (35.96%), a best-case ROI of 29.36%, and beats our 5.88% ROI 9.95% of the time.

Bettor #2 has a season-average ROI of (4.96%), a worst-case ROI of (40.97%), a best-case ROI of 34.80%, and beats our 5.88% ROI 13.85% of the time.

So, if you think the two Bettor profiles here are reasonable benchmarks, then there's only a 10 to 14% probability that our results are due to chance.

You could, of course, argue that these two bettor types are just too dumb to serve as reasonable proxies for 'chance' behaviour. We don't, for example, wager on every game, so why should our benchmark bettors be forced to bet on every game? Any change we make though to try and make the random bettors wagering look a bit more like ours changes them from being random bettors, I'd argue.

So for now I'm happy to treat Bettor #1 and Bettor #2 as reasonable benchmarks.

The Alternative Premierships

Geelong has now secured all four of the End of Quarter Premierships and two of the During the Quarter Premierships.

Meantime, Collingwood has virtually ensured that they'll win the During the 2nd Quarter Premiership, and Hawthorn has strong claims for the During the 4th Quarter Premiership.

End of 1st Quarter Premiership			End of 2nd Quarter Premiership			End of 3rd Quarter Premiership			End of 4th Quarter Premiership		
Team	Pts	%	Team	Pts	%	Team	Pts	%	Team	Pts	%
Geelong	72	196.4	Geelong	70	170.0	Geelong	72	164.7	Geelong	68	157.8
Kangaroos	58	124.4	West Coast	56	120.7	West Coast	56	109.8	Port Adelaide	52	112.9
Adelaide	52	113.6	Kangaroos	52	113.0	Kangaroos	52	113.7	West Coast	52	112.3
West Coast	50	116.5	Port Adelaide	48	112.0	Hawthorn	48	108.2	Hawthorn	48	114.0
Port Adelaide	48	125.2	Sydney	46	103.6	Sydney	48	108.0	Kangaroos	48	102.1
Essendon	44	100.4	Adelaide	44	109.4	St Kilda	48	103.8	Collingwood	48	100.7
Carlton	40	93.4	Hawthorn	44	98.2	Port Adelaide	44	117.8	Sydney	46	118.7
Brisbane Lions	36	108.4	Collingwood	42	102.2	Brisbane Lions	40	108.9	St Kilda	42	96.0
Sydney	36	96.1	St Kilda	42	101.5	Collingwood	38	97.2	Brisbane Lions	40	110.2
Fremantle	36	96.0	Brisbane Lions	38	109.9	Adelaide	36	103.5	Adelaide	40	107.9
Collingwood	34	84.3	Fremantle	38	103.3	Fremantle	36	99.3	Essendon	40	91.8
Hawthorn	32	92.0	Essendon	28	88.3	Western Bulldogs	36	87.1	Western Bulldogs	38	90.3
Richmond	30	84.5	Western Bulldogs	28	88.0	Essendon	24	90.2	Fremantle	36	101.5
St Kilda	26	83.7	Richmond	28	81.5	Carlton	24	82.6	Melbourne	16	76.9
Melbourne	24	61.1	Carlton	20	79.6	Melbourne	20	72.3	Carlton	16	75.8
Western Bulldogs	22	85.7	Melbourne	16	66.5	Richmond	18	76.3	Richmond	10	74.6

During 1st Quarter Premiership			During 2nd Quarter Premiership			During 3rd Quarter Premiership			During 4th Quarter Premiership		
Team	Pts	%	Team	Pts	%	Team	Pts	%	Team	Pts	%
Geelong	72	196.4	Collingwood	62	124.8	Geelong	64	154.5	Hawthorn	58	132.6
Kangaroos	58	124.4	St Kilda	54	126.3	Port Adelaide	52	130.3	Sydney	54	156.8
Adelaide	52	113.6	West Coast	52	125.1	Sydney	50	117.3	Geelong	54	140.4
West Coast	50	116.5	Geelong	48	145.0	Brisbane Lions	48	107.1	Essendon	48	96.7
Port Adelaide	48	125.2	Adelaide	48	105.2	Kangaroos	46	115.2	West Coast	46	120.2
Essendon	44	100.4	Brisbane Lions	46	111.6	Hawthorn	44	130.3	Fremantle	46	107.7
Carlton	40	93.4	Fremantle	44	112.7	St Kilda	44	108.5	Adelaide	44	123.1
Brisbane Lions	36	108.4	Sydney	44	112.2	West Coast	42	91.5	Brisbane Lions	44	114.1
Sydney	36	96.1	Kangaroos	42	102.1	Essendon	40	94.1	Melbourne	44	92.4
Fremantle	36	96.0	Port Adelaide	38	99.8	Melbourne	36	85.4	Port Adelaide	42	99.0
Collingwood	34	84.3	Western Bulldogs	38	91.1	Fremantle	34	92.7	Western Bulldogs	40	100.0
Hawthorn	32	92.0	Hawthorn	32	104.1	Carlton	32	88.2	Collingwood	36	113.8
Richmond	30	84.5	Richmond	32	78.3	Collingwood	32	87.5	Kangaroos	30	78.5
St Kilda	26	83.7	Melbourne	26	72.7	Western Bulldogs	28	85.0	St Kilda	26	75.3
Melbourne	24	61.1	Carlton	22	67.0	Adelaide	26	92.5	Richmond	20	69.9
Western Bulldogs	22	85.7	Essendon	12	78.6	Richmond	22	66.8	Carlton	8	58.7

This weekend, winning teams led at the end of:
- Five of seven 1st quarters (as there was no winner in the Lions/Swans game)
- Five of seven 2nd quarters
- Six of seven 3rd quarters

Also, the winning teams won:
- Five of seven 1st quarters
- Four of seven 2nd quarters
- Four of seven 3rd quarters
- Four of seven 4th quarters

Tony

19 August 2007

Appendix
Tipping Model Strategies

Strategy Name	Basis for Tips
Chi Tipping Model (CTM)	Complex statistical model incorporating a range of factors.
Quila Tipping Model (QTM)	Uses an approach similar to that used for the CTM.
Bookies Know Best (BKB)	For each game, tips the TAB Sportsbet favourite. In the case of equal favourites, it tips the true home team or, if there's no true home team, tips the team with the higher ladder position (ties are broken using percentage then for-and-against margin).
Consult The Ladder (CTL)	Tips the team with the higher ladder position (ties are broken using percentage then for-and-against margin). For the first round of the season, use the ladder position at the end of the previous regular season.
Momentum Matters (MMx)	A series of strategies that involve building competition ladders based only on the results of the most recent x rounds of regular season games (drawing on games from the previous season if required).
	The MM2 strategy considers only the last 2 regular season rounds, the MM4 strategy only the last 4 rounds, and so on. Once a ladder has been built for a strategy, the selected team is that with the superior ladder position (as per CTL above).
	This year we'll track the performance of MM2, MM4, MM6, MM8, MM11, MM16 and MM22.
No Independent Thought (NIT)	Tips the team that is most popular amongst all other strategies.

Notional Initial Funds

For reasons that are somewhat technical (I'm happy to provide details to anyone who's interested but, broadly, it allows me to describe bets in terms of a common percentage for all Investors and still maintain the same share price for all Investors), I need to calculate what I call "Notional Initial Funds". It's calculated separately for each Fund.

For original Investors, the definition is straightforward:

Notional Initial Funds = Actual Funds Invested

For Investors who join the Fund post Round 1:

Notional Initial Funds = Actual Funds Invested / Share Price at the time of investing

(in other words, it's the notional amount that would need to have been invested at the start of the season in order to have returned an amount equal to the amount actually invested).

19 August 2007